

SPACECRAFT COMPONENTS CORP.

MULTI-PIN CONNECTORS

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ABOUT SPACECRAFT COMPONENTS

SPACECRAFT COMPONENTS MANUFACTURING DIVISION

Beginning in early 1980, the connector industry experienced a series of sales and mergers resulting in a reduced number of connector manufacturers. This trend continues today.

While the connector industry has done a magnificent job of meeting the demands of its customers, on occasion it has been difficult to supply small quantity modifications to standard products. Quick delivery of prototype quantities appears to be a thing of the past. This is where Spacecraft Components Manufacturing comes in.

The commitment to our customers over these many years is something about which we are very proud. To meet the requirements of quick delivery for small quantities of prototype connectors, Spacecraft Components Manufacturing has its own design department, a modern machine shop and an outstanding staff whose connector knowledge is unmatched in the Industry.

The principals of Spacecraft Components include the founders of Flight Connector Corp, ESC, Inc and Electro-Sonic Components, Inc. Flight Connector developed the first front release firewall connector with a self-locking coupling nut presently being used throughout the airline industry with special emphasis on Boeing, Douglas and Airbus. We were also the founders of ESC, Inc., manufacturer of connector accessories and were responsible for developing a low profile self-locking feature for backshells used extensively throughout the Connector Industry. We are justly proud of our contribution to the safety of aircraft in flight.

As our literature states, we are a reliable source for the full range of connectors with special emphasis upon:

- MIL-DTL-5015 Reverse Bayonet Coupling per VG95234
- MIL-DTL-5015 Threaded Coupling
- MIL-C-22992 Class L
- MIL-C-26482 Series 1 Solder Types
- SAE-AS81703 Series 1 and 2

Spacecraft Components also is pleased to announce we now manufacture a full line of Reverse Bayonet connectors. We enthusiastically welcome your inquiries for this increasingly popular connector.

SPACECRAFT COMPONENTS DISTRIBUTION DIVISION

Connectors are our only business! Since our founding in 1962, Spacecraft Components Corp. has established itself as an independent distributor and one of the most reliable, competitive suppliers of electrical connectors and connector accessories to the Aerospace, Airline, Electronic and Electromechanical industries. We believe in maintaining and expanding a large, comprehensive connector inventory – the largest on the West Coast and probably throughout the country. Need it fast? Your off-the-shelf order can be on its way in as little as 3 hours.

Our large, comprehensive connector inventory encompasses plugs and receptacles of all types including coaxial, hermetic, firewall, environmental and non-environmental in both solder and crimp contact configurations.

A complete line of connector accessories such as adapters, backshells, dust caps, cable clamps and strain reliefs is on hand for all connector types. (See Catalog 401)

Spacecraft Components Corp. is the nation's largest and most reliable connector company, stocking all major QPL approved connector manufacturers: Aero Electric, Amphenol, Bendix, Burndy, Cannon, Deutsch, Flight Connector, G & H Technology, ITT Cannon, Matrix, Pyle-National, Radiall, RMS, Souriau, Trans Technology, TRW Cinch, Veam, etc. In addition, we have connectors for Airbus, Boeing and Douglas Aircraft. We are an authorized distributor for: Astro Tool, ECI Technology, Commital, Glenair, Robert Technologies and Spacecraft Manufacturing.

Because we purchase our inventory in large volumes from connector manufacturers, distributors, as well as from inventories of original equipment manufacturers and the US Government agencies, we are able to accord you substantial savings on your connector requirements.

Our Quality Control system meets or exceeds the requirements of MIL-I-45208 and ISO 9002.

Besides current MIL-SPEC and commercial connectors, the inventory of Spacecraft Components Corp. contains many hard-to-find and out-of-production connectors. Whatever your connector needs (off-the-shelf or custom-assembled), our expert professional staff can help you with your connector problems. If, however, the connector you want is not in stock, our Connector Locator Service will find it for you.

Take advantage of Spacecraft Components Corp's free Connector Consultation Service to find the right connector or accessory for your application. Simply give us your physical and operational parameters and we will provide you with a connector or accessory that will meet or exceed your requirements.

Under the proprietary part numbers in this catalog, we can supply connectors to the standard configurations shown herein or connectors reconfigured to meet the most stringent special requirements. These changes include but are not limited to, different materials, finishes, accessory and insert configurations not offered by other connector manufacturers as part of their standard product line.

Spacecraft Components has the ability to reconfigure connectors to meet customer requirements by using components of other QPL manufacturers. We can assemble a custom or special connector to meet your specifications at a lower cost and reduced delivery time. We are so confident of our ability to deliver a connector that meets your requirements that we offer a Lifetime Warranty as outlined below:

LIFETIME WARRANTY

Spacecraft Components Corp. warrants to the original purchaser it will correct by replacement any defect in workmanship or in-operation of any component purchased from Spacecraft Components Corp. for the life of the equipment in which the component is originally and properly installed. This agreement and warranty supersedes all other warranties expressed or implied.

<http://www.spacecraft.com/sccabout.html>

SECTION 1A

MIL-DTL-5015 SERIES I

SOLDER OR CRIMP (F80) CONTACTS

MIL-DTL-5015 SERIES I SOLDER OR CRIMP (F80) CONTACTS

This Military Specification covers multipin cylindrical connectors and is one of the most widely used for various applications. There are 19 shell sizes, 8 shell configurations, and over 130 insert arrangements containing contact sizes 18, 16, 12, 8, 4, 1/0 and 4/0.

MIL-DTL-5015 has surely stood the test-of-time, having been first used in 1939. Through the years, these connectors have been upgraded with the use of state-of-the-art materials and finishes. The insert arrangements are so versatile that they are used in other series of connectors that use different shells and hardware.

Originally, only solder contacts were available. Today, in addition to solder, these connectors are available with crimp contacts, both front and rear release. The coupling method is by use of an UNF type thread. Other coupling methods, reverse bayonet and double start threads are available.

Shown on the chart below is a comparison between various series.

	MIL-DTL-5015 SERIES I	MIL-DTL-5015 FRONT RELEASE SERIES II	MIL-DTL-5015 REAR RELEASE SERIES III	REVERSE BAYONET	QWL	QWLD
COUPLING	UNF Threads	UNF Threads	UNF Threads	1/3 turn Bayonet	Double start Threads	Double start Threads
SHELL KEYWAYS	1	1	1	1	1	5
REAR ACCESSORY THREADS	Right Hand	Right Hand	Right Hand	Right Hand	Left Hand	Left Hand
BACKSHELLS	With Connectors	Not supplied (1)	Not supplied (1)	With Connectors	Not supplied (1)	Not supplied (1)
CONTACT TYPE	Solder or F80 Crimp	Crimp	Crimp	Solder or F80 Crimp	Solder or F80 Crimp	Solder or F80 Crimp
CONTACT RETENTION	Rubber	Metal Clip	Metal Clip	Rubber	Rubber	Rubber

(1) = Backshells must be purchased separately.

5015

For additional features and technical data see Section 11A.

MIL-DTL-5015 SERIES I

ORDERING INFORMATION

SCP L 06 D S 28 - 21 P Y (F80)

SERIES PREFIX

SPECIAL FEATURES

- G** RFI spring on plug.
- L** Self locking coupling nut on plug.

SHELL STYLE

Illustrated on pages 1A-4 thru 1A-44.
See Table I below.

BACKEND TERMINATION

See Table II below. Omit for Shell Styles BFR & TBF.

MATERIAL/FINISH

See Table III on page 1A-3.

SHELL SIZE

See pages 1A-4 thru 1A-44 for available shell sizes
in each shell style.

MODIFICATION

BLANK Standard. Silver plated solder contacts.
See Table IV on page 1A-3 for additional
modifications.

ALTERNATE POSITION (POLARIZATION)

N (normal), **W**, **X**, **Y**, **Z**. See pages 10A-1 thru 10A-16.

CONTACT STYLE

- P** Pin contacts.
- S** Socket contacts.

INSERT CONFIGURATION

See pages 10A-1 thru 10A-49 for codes
and illustrations.

TABLE I. SHELL STYLE

CODE	DESCRIPTION	SEE PAGE
00	Wall mount receptacle	1A-4 thru 1A-12
01	In-line receptacle	1A-13 thru 1A-20
02	Box mount receptacle	1A-21
03	Jam nut receptacle less rear threads	1A-24
04	Jam nut receptacle	1A-25
05	Panel mount plug	1A-27
06	Straight plug	1A-28 thru 1A-37
G06	Straight plug with grounding fingers on barrel	1A-28 thru 1A-37
07	Quick disconnect plug	1A-38
08	90° plug	1A-39 thru 1A-44
G08	90° plug with grounding fingers on barrel	1A-39 thru 1A-44
09	Box mount receptacle w/ P.C. tails	1A-22
BFR	Jam nut receptacle	1A-23
TBF	Thru bulkhead receptacle	1A-26

SC17

TABLE II. BACKEND TERMINATIONS

CODE	DESCRIPTION	ENVIRONMENTAL	GROMMET
A	Threaded adapter	No	No
B	Threaded adapter	Yes	Yes
C	Threaded adapter	Yes	No
D	Backshell, 2 piece (MS3057*A)	Yes	No
E	Backshell, 1 piece	Yes	Yes
F	Backshell, 2 piece (MS3057*A)	Yes*	Yes
G	Backshell, 1 piece	Yes*	Yes
J	Backshell, 2 piece (MS3057*B)	Yes	No
K	Backshell, 2 piece (MS3057*C)	Yes	No
L	Backshell, 2 piece (Bendix class E)	Yes	Yes
LCF	Extended length backshell	Yes	No
LCFZ	Extended length backshell	Yes	Yes
M	Shrink boot adapter	Yes*	No
MR	Shrink boot adapter, EM/RFI	Yes	No
N	Shrink boot adapter	Yes*	Yes
NR	Shrink boot adapter, EM/RFI	Yes	Yes
R	Grommet nut	Yes*	Yes
S	Potting boot	Yes	No
T	Potting boot with ground lug	Yes	No
U	With rear accessory thread	Yes	No
Y	Without backend termination	Yes	No
Z	Without backend termination	No	No

* Plug has O-ring under coupling nut.

SC63



TABLE III. MATERIAL/FINISH

CODE	MATERIAL	FINISH
A	Aluminum	Black anodize
B	Aluminum	Black cadmium, 48 hr salt spray
C	Aluminum	Bright cadmium, 48 hr salt spray
D	Aluminum	Bright cadmium over electroless nickel, 500 hr salt spray
E	Aluminum	Bright cadmium over electroless nickel
F	Aluminum	Cadmium, gold irridite, 48 hr salt spray
G	Aluminum	Cadmium, gold irridite over electroless nickel, 500 hr salt spray
J	Aluminum	Olive drab cadmium, 48 hr salt spray
K	Aluminum	Olive drab cadmium over electroless nickel, 500 hr salt spray
L	Aluminum	Olive drab cadmium over electroless nickel
M	Aluminum	Electroless nickel
N	Aluminum	Hard anodize
P	303 stainless steel	Black cadmium
R	303 stainless steel	Electrodeposited nickel
S	303 stainless steel	Passivated
T	316 stainless steel	Passivated
Y	Aluminum	Zinc cobalt, olive drab color
Z	Aluminum	Zinc cobalt, black color

SC64

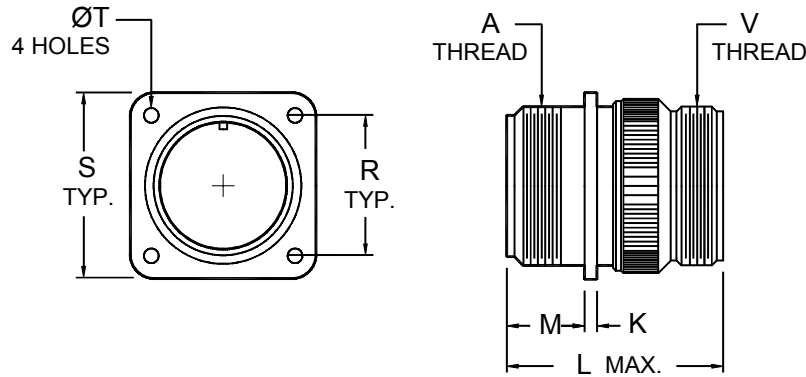
TABLE IV. MODIFICATION CODES

CODE	MODIFICATION
(A95)	Contacts gold plated per MIL-G-45204 Type II, Class 2 over nickel
(A134)	Contacts gold plated per MIL-G-45204 Type II, Class 2 over gold flash per MIL-G-45204 Type I over copper plate per MIL-C-14550, Class 4
(F0)	Connector less contacts
(F28)	Clinch nut mounting
(F42)	Less endbell, grommet and ferrule
(F74)	1/16" gaskets under coupling nut
(F80)	AWG crimp contacts supplied with but not installed in connector
(F123)	Connectors with #16 crimp contacts having #20 AWG wire accommodation
(H)	Hex coupling nut
(P)	Plastic insulator

SC57

SCP00A,B,C

WALL MOUNT RECEPTACLE

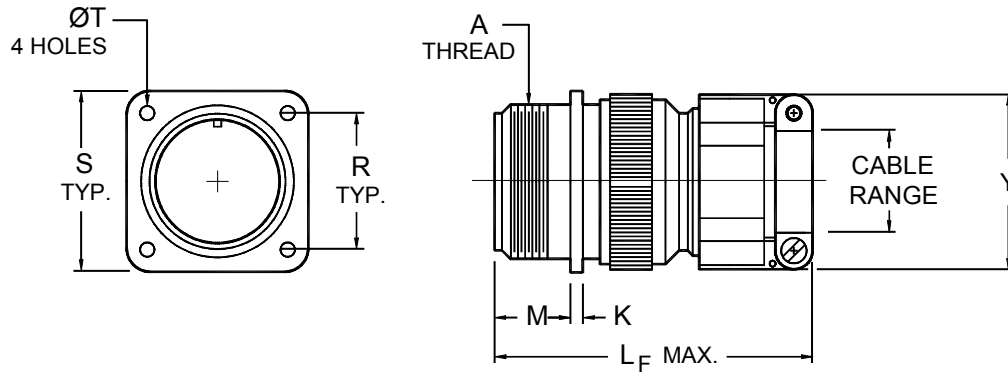


SHELL SIZE	A COUPLING THREAD CLASS 2A	K		L MAX.	M +.031 -.000 [+0.79] [-0.00]	R ±.005 [±0.13]	S ±.031 [±0.79]	T +.010 -.005 [+0.25] [-0.13]	V ACCESSORY THREAD CLASS 2A
		MIN.	MAX.						
8S	1/2-28 UNEF	.156 [3.96]	.062 [1.57]	1.469 [37.31]	.562 [14.27]	.594 [15.09]	.875 [22.22]	.120 [3.05]	1/2-28 UNEF
10S	5/8-24 UNEF	.156 [3.96]	.062 [1.57]	1.531 [38.89]	.562 [14.27]	.719 [18.26]	1.000 [25.40]	.120 [3.05]	1/2-28 UNEF
10SL	5/8-24 UNEF	.156 [3.96]	.062 [1.57]	1.531 [38.89]	.562 [14.27]	.719 [18.26]	1.000 [25.40]	.120 [3.05]	5/8-24 UNEF
12	3/4-20 UNEF	.156 [3.96]	.062 [1.57]	2.062 [52.37]	.750 [19.05]	.812 [20.62]	1.094 [27.79]	.120 [3.05]	5/8-24 UNEF
12S	3/4-20 UNEF	.156 [3.96]	.062 [1.57]	1.688 [42.88]	.562 [14.27]	.812 [20.62]	1.094 [27.79]	.120 [3.05]	5/8-24 UNEF
14	7/8-20 UNEF	.156 [3.96]	.062 [1.57]	2.062 [52.37]	.750 [19.05]	.906 [23.01]	1.188 [30.18]	.120 [3.05]	3/4-20 UNEF
14S	7/8-20 UNEF	.156 [3.96]	.062 [1.57]	1.688 [42.88]	.562 [14.27]	.906 [23.01]	1.188 [30.18]	.120 [3.05]	3/4-20 UNEF
16	1-20 UNEF	.156 [3.96]	.062 [1.57]	2.062 [52.37]	.750 [19.05]	.969 [24.61]	1.281 [32.54]	.120 [3.05]	7/8-20 UNEF
16S	1-20 UNEF	.156 [3.96]	.062 [1.57]	1.688 [42.88]	.562 [14.27]	.969 [24.61]	1.281 [32.54]	.120 [3.05]	7/8-20 UNEF
18	1 1/8-18 UNEF	.203 [5.16]	.094 [2.39]	2.062 [52.37]	.750 [19.05]	1.062 [26.97]	1.375 [34.92]	.120 [3.05]	1-20 UNEF
20	1 1/4-18 UNEF	.203 [5.16]	.094 [2.39]	2.188 [55.58]	.750 [19.05]	1.156 [29.36]	1.500 [38.10]	.120 [3.05]	1 3/16-18 UNEF
22	1 3/8-18 UNEF	.203 [5.16]	.094 [2.39]	2.188 [55.58]	.750 [19.05]	1.250 [31.75]	1.625 [41.27]	.120 [3.05]	1 3/16-18 UNEF
24	1 1/2-18 UNEF	.203 [5.16]	.094 [2.39]	2.312 [58.72]	.812 [20.62]	1.375 [34.92]	1.750 [44.45]	.147 [3.73]	1 7/16-18 UNEF
28	1 3/4-18 UNS	.203 [5.16]	.094 [2.39]	2.312 [58.72]	.812 [20.62]	1.562 [39.67]	2.000 [50.80]	.147 [3.73]	1 7/16-18 UNEF
32	2-18 UNS	.359 [9.12]	.125 [3.17]	2.438 [61.93]	.875 [22.22]	1.750 [44.45]	2.250 [57.15]	.173 [4.39]	1 3/4-18 UNS
36	2 1/4-16 UN	.359 [9.12]	.125 [3.17]	2.438 [61.93]	.875 [22.22]	1.983 [50.37]	2.500 [63.50]	.173 [4.39]	2-18 UNS
40	2 1/2-16 UN	.359 [9.12]	.125 [3.17]	2.438 [61.93]	.875 [22.22]	2.188 [55.58]	2.750 [69.85]	.173 [4.39]	2 1/4-16 UN
44	2 3/4-16 UN	.359 [9.12]	.125 [3.17]	2.562 [65.07]	.875 [22.22]	2.375 [60.32]	3.000 [76.20]	.173 [4.39]	2 1/2-16 UN
48	3-16 UN	.359 [9.12]	.125 [3.17]	2.562 [65.07]	.875 [22.22]	2.625 [66.67]	3.250 [82.55]	.173 [4.39]	3-16 UN

DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.

SCP3100A

SCPOOD WALL MOUNT RECEPTACLE



SHELL SIZE	A COUPLING THREAD CLASS 2A	K		L _F MAX.	M +.031 -.000 [+0.79] [-0.00]	R ±.005 [±0.13]	S ±.031 [±0.79]	T +.010 -.005 [+0.25] [-0.13]	Y ±.020 [±0.51]	CABLE RANGE	
		MIN.	MAX.							OPEN	CLOSED
8S	1/2-28 UNEF	.156 [3.96]	.062 [1.57]	2.225 [56.52]	.562 [14.27]	.594 [15.09]	.875 [22.22]	.120 [3.05]	.825 [20.96]	.250 [6.35]	.125 [3.18]
10S	5/8-24 UNEF	.156 [3.96]	.062 [1.57]	2.300 [58.42]	.562 [14.27]	.719 [18.26]	1.000 [25.40]	.120 [3.05]	.825 [20.96]	.250 [6.35]	.125 [3.18]
10SL	5/8-24 UNEF	.156 [3.96]	.062 [1.57]	2.300 [58.42]	.562 [14.27]	.719 [18.26]	1.000 [25.40]	.120 [3.05]	.938 [23.83]	.312 [7.92]	.125 [3.18]
12	3/4-20 UNEF	.156 [3.96]	.062 [1.57]	2.900 [73.66]	.750 [19.05]	.812 [20.62]	1.094 [27.79]	.120 [3.05]	.938 [23.83]	.312 [7.92]	.125 [3.18]
12S	3/4-20 UNEF	.156 [3.96]	.062 [1.57]	2.500 [63.50]	.562 [14.27]	.812 [20.62]	1.094 [27.79]	.120 [3.05]	.938 [23.83]	.312 [7.92]	.125 [3.18]
14	7/8-20 UNEF	.156 [3.96]	.062 [1.57]	2.900 [73.66]	.750 [19.05]	.906 [23.01]	1.188 [30.18]	.120 [3.05]	1.125 [28.58]	.438 [11.13]	.250 [6.35]
14S	7/8-20 UNEF	.156 [3.96]	.062 [1.57]	2.500 [63.50]	.562 [14.27]	.906 [23.01]	1.188 [30.18]	.120 [3.05]	1.125 [28.58]	.438 [11.13]	.250 [6.35]
16	1-20 UNEF	.156 [3.96]	.062 [1.57]	2.900 [73.66]	.750 [19.05]	.969 [24.61]	1.281 [32.54]	.120 [3.05]	1.312 [33.32]	.562 [14.27]	.312 [7.92]
16S	1-20 UNEF	.156 [3.96]	.062 [1.57]	2.500 [63.50]	.562 [14.27]	.969 [24.61]	1.281 [32.54]	.120 [3.05]	1.312 [33.32]	.562 [14.27]	.312 [7.92]
18	1 1/8-18 UNEF	.203 [5.16]	.094 [2.39]	2.900 [73.66]	.750 [19.05]	1.062 [26.97]	1.375 [34.92]	.120 [3.05]	1.312 [33.32]	.625 [15.88]	.350 [8.89]
20	1 1/4-18 UNEF	.203 [5.16]	.094 [2.39]	3.000 [76.20]	.750 [19.05]	1.156 [29.36]	1.500 [38.10]	.120 [3.05]	1.531 [38.89]	.750 [19.05]	.500 [12.70]
22	1 3/8-18 UNEF	.203 [5.16]	.094 [2.39]	3.000 [76.20]	.750 [19.05]	1.250 [31.75]	1.625 [41.27]	.120 [3.05]	1.531 [38.89]	.750 [19.05]	.500 [12.70]
24	1 1/2-18 UNEF	.203 [5.16]	.094 [2.39]	3.250 [82.55]	.812 [20.62]	1.375 [34.92]	1.750 [44.45]	.147 [3.73]	1.750 [44.45]	.938 [23.83]	.625 [15.88]
28	1 3/4-18 UNS	.203 [5.16]	.094 [2.39]	3.250 [82.55]	.812 [20.62]	1.562 [39.67]	2.000 [50.80]	.147 [3.73]	1.750 [44.45]	.938 [23.83]	.625 [15.88]
32	2-18 UNS	.359 [9.12]	.125 [3.17]	3.600 [91.44]	.875 [22.22]	1.750 [44.45]	2.250 [57.15]	.173 [4.39]	2.093 [53.16]	1.250 [31.75]	.875 [22.23]
36	2 1/4-16 UN	.359 [9.12]	.125 [3.17]	3.600 [91.44]	.875 [22.22]	1.983 [50.37]	2.500 [63.50]	.173 [4.39]	2.343 [59.51]	1.375 [34.93]	1.000 [25.40]
40	2 1/2-16 UN	.359 [9.12]	.125 [3.17]	3.900 [99.06]	.875 [22.22]	2.188 [55.58]	2.750 [69.85]	.173 [4.39]	2.750 [69.85]	1.625 [41.28]	1.250 [31.75]
44	2 3/4-16 UN	.359 [9.12]	.125 [3.17]	4.000 [101.60]	.875 [22.22]	2.375 [60.32]	3.000 [76.20]	.173 [4.39]	3.000 [76.20]	1.875 [47.63]	1.437 [36.50]
48	3-16 UN	.359 [9.12]	.125 [3.17]	4.225 [107.32]	.875 [22.22]	2.625 [66.67]	3.250 [82.55]	.173 [4.39]	3.530 [89.66]	2.375 [60.33]	1.650 [41.91]

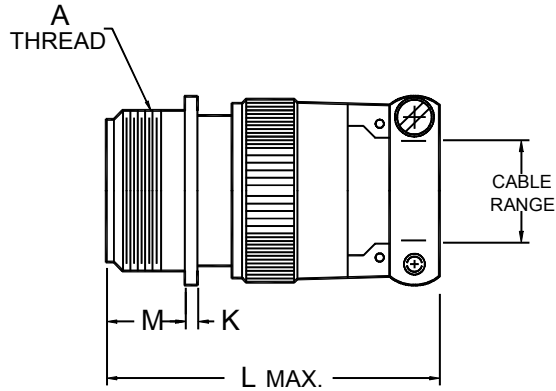
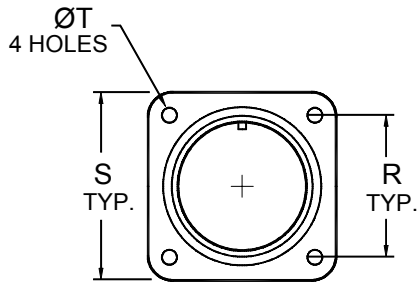
DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.

SCP3100FX

MIL-DTL-5015 SERIES I SOLDER OR CRIMP (F80) CONTACTS

SCPO0E

WALL MOUNT RECEPTACLE

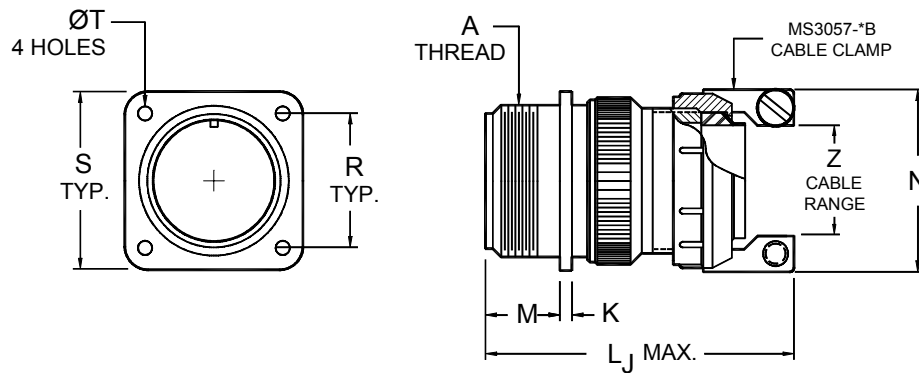


SHELL SIZE	A COUPLING THREAD CLASS 2A	K		L MAX.	M +.031 -.000 [+0.79] [-0.00]	R ±.005 [±0.13]	S ±.031 [±0.79]	T +.010 -.005 [+0.25] [-0.13]	CABLE RANGE	
		MAX.	MIN.						OPEN	CLOSED
8S	1/2-28 UNEF	.156 [3.96]	.062 [1.57]	2.250 [57.15]	.562 [14.27]	.594 [15.09]	.875 [22.22]	.120 [3.05]	.250 [6.35]	.125 [3.18]
10S	5/8-24 UNEF	.156 [3.96]	.062 [1.57]	2.250 [57.15]	.562 [14.27]	.719 [18.26]	1.000 [25.40]	.120 [3.05]	.250 [6.35]	.125 [3.18]
10SL	5/8-24 UNEF	.156 [3.96]	.062 [1.57]	2.250 [57.15]	.562 [14.27]	.719 [18.26]	1.000 [25.40]	.120 [3.05]	.312 [7.92]	.125 [3.18]
12	3/4-20 UNEF	.156 [3.96]	.062 [1.57]	2.625 [66.67]	.750 [19.05]	.812 [20.62]	1.094 [27.79]	.120 [3.05]	.312 [7.92]	.125 [3.18]
12S	3/4-20 UNEF	.156 [3.96]	.062 [1.57]	2.250 [57.15]	.562 [14.27]	.812 [20.62]	1.094 [27.79]	.120 [3.05]	.312 [7.92]	.125 [3.18]
14	7/8-20 UNEF	.156 [3.96]	.062 [1.57]	2.625 [66.67]	.750 [19.05]	.906 [23.01]	1.188 [30.18]	.120 [3.05]	.438 [11.13]	.250 [6.35]
14S	7/8-20 UNEF	.156 [3.96]	.062 [1.57]	2.250 [57.15]	.562 [14.27]	.906 [23.01]	1.188 [30.18]	.120 [3.05]	.438 [11.13]	.250 [6.35]
16	1-20 UNEF	.156 [3.96]	.062 [1.57]	2.625 [66.67]	.750 [19.05]	.969 [24.61]	1.281 [32.54]	.120 [3.05]	.562 [14.27]	.312 [7.92]
16S	1-20 UNEF	.156 [3.96]	.062 [1.57]	2.250 [57.15]	.562 [14.27]	.969 [24.61]	1.281 [32.54]	.120 [3.05]	.562 [14.27]	.312 [7.92]
18	1 1/8-18 UNEF	.203 [5.16]	.094 [2.39]	2.688 [68.28]	.750 [19.05]	1.062 [26.97]	1.375 [34.92]	.120 [3.05]	.625 [15.88]	.350 [8.89]
20	1 1/4-18 UNEF	.203 [5.16]	.094 [2.39]	2.750 [69.85]	.750 [19.05]	1.156 [29.36]	1.500 [38.10]	.120 [3.05]	.750 [19.05]	.500 [12.70]
22	1 3/8-18 UNEF	.203 [5.16]	.094 [2.39]	2.750 [69.85]	.750 [19.05]	1.250 [31.75]	1.625 [41.27]	.120 [3.05]	.750 [19.05]	.500 [12.70]
24	1 1/2-18 UNEF	.203 [5.16]	.094 [2.39]	2.969 [75.41]	.812 [20.62]	1.375 [34.92]	1.750 [44.45]	.147 [3.73]	.938 [23.83]	.625 [15.88]
28	1 3/4-18 UNS	.203 [5.16]	.094 [2.39]	3.031 [76.99]	.812 [20.62]	1.562 [39.67]	2.000 [50.80]	.147 [3.73]	.938 [23.83]	.625 [15.88]
32	2-18 UNS	.359 [9.12]	.125 [3.17]	3.031 [76.99]	.875 [22.22]	1.750 [44.45]	2.250 [57.15]	.173 [4.39]	1.250 [31.75]	.875 [22.23]
36	2 1/4-16 UN	.359 [9.12]	.125 [3.17]	3.281 [83.34]	.875 [22.22]	1.983 [50.37]	2.500 [63.50]	.173 [4.39]	1.375 [34.93]	1.000 [25.40]
40	2 1/2-16 UN	.359 [9.12]	.125 [3.17]	3.500 [88.90]	.875 [22.22]	2.188 [55.58]	2.750 [69.85]	.173 [4.39]	1.625 [41.28]	1.250 [31.75]

DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.

SCPO0E

WALL MOUNT RECEPTACLE



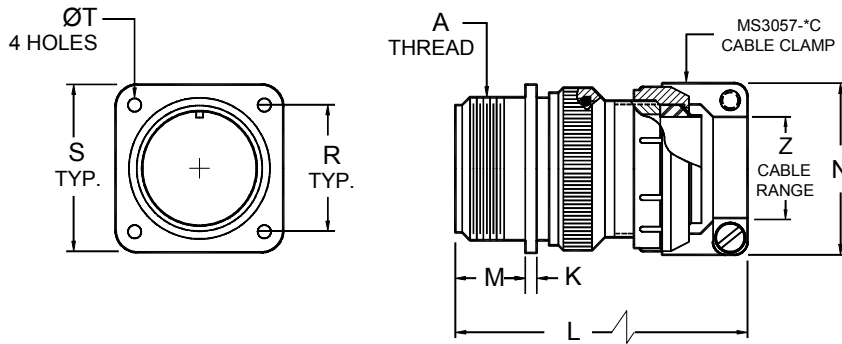
SHELL SIZE	A COUPLING THREAD CLASS 2A	K		L _J MAX.	M +.031 -.000 [+0.79] [-0.00]	N MAX.	R ±.005 [±0.13]	S ±.031 [±0.79]	T +.010 -.005 [+0.25] [-0.13]	CABLE CLAMP	Z CABLE RANGE	
		MIN.	MAX.								FREE	CLOSED
8S	1/2-28 UNEF	.156 [3.96]	.062 [1.57]	2.225 [56.52]	.562 [14.27]	.812 [20.62]	.594 [15.09]	.875 [22.22]	.120 [3.05]	MS3057-3B	.219 [5.56]	.031 [0.79]
10S	5/8-24 UNEF	.156 [3.96]	.062 [1.57]	2.300 [58.42]	.562 [14.27]	.812 [20.62]	.719 [18.26]	1.000 [25.40]	.120 [3.05]	MS3057-3B	.219 [5.56]	.031 [0.79]
10SL	5/8-24 UNEF	.156 [3.96]	.062 [1.57]	2.300 [58.42]	.562 [14.27]	.937 [23.80]	.719 [18.26]	1.000 [25.40]	.120 [3.05]	MS3057-4B	.312 [7.92]	.094 [2.39]
12	3/4-20 UNEF	.156 [3.96]	.062 [1.57]	2.900 [73.66]	.750 [19.05]	.937 [23.80]	.812 [20.62]	1.094 [27.79]	.120 [3.05]	MS3057-4B	.312 [7.92]	.094 [2.39]
12S	3/4-20 UNEF	.156 [3.96]	.062 [1.57]	2.500 [63.50]	.562 [14.27]	.937 [23.80]	.812 [20.62]	1.094 [27.79]	.120 [3.05]	MS3057-4B	.312 [7.92]	.094 [2.39]
14	7/8-20 UNEF	.156 [3.96]	.062 [1.57]	2.900 [73.66]	.750 [19.05]	1.062 [26.97]	.906 [23.01]	1.188 [30.18]	.120 [3.05]	MS3057-6B	.438 [11.13]	.250 [6.35]
14S	7/8-20 UNEF	.156 [3.96]	.062 [1.57]	2.500 [63.50]	.562 [14.27]	1.062 [26.97]	.906 [23.01]	1.188 [30.18]	.120 [3.05]	MS3057-6B	.438 [11.13]	.250 [6.35]
16	1-20 UNEF	.156 [3.96]	.062 [1.57]	2.900 [73.66]	.750 [19.05]	1.188 [30.18]	.969 [24.61]	1.281 [32.54]	.120 [3.05]	MS3057-8B	.531 [13.49]	.312 [7.92]
16S	1-20 UNEF	.156 [3.96]	.062 [1.57]	2.500 [63.50]	.562 [14.27]	1.188 [30.18]	.969 [24.61]	1.281 [32.54]	.120 [3.05]	MS3057-8B	.531 [13.49]	.312 [7.92]
18	1 1/8-18 UNEF	.203 [5.16]	.094 [2.39]	2.900 [73.66]	.750 [19.05]	1.312 [33.32]	1.062 [26.97]	1.375 [34.92]	.120 [3.05]	MS3057-10B	.625 [15.88]	.375 [9.52]
20	1 1/4-18 UNEF	.203 [5.16]	.094 [2.39]	3.000 [76.20]	.750 [19.05]	1.562 [39.67]	1.156 [29.36]	1.500 [38.10]	.120 [3.05]	MS3057-12B	.750 [19.05]	.500 [12.70]
22	1 3/8-18 UNEF	.203 [5.16]	.094 [2.39]	3.000 [76.20]	.750 [19.05]	1.562 [39.67]	1.250 [31.75]	1.625 [41.27]	.120 [3.05]	MS3057-12B	.750 [19.05]	.500 [12.70]
24	1 1/2-18 UNEF	.203 [5.16]	.094 [2.39]	3.250 [82.55]	.812 [20.62]	1.750 [44.45]	1.375 [34.92]	1.750 [44.45]	.147 [3.73]	MS3057-16B	.938 [23.83]	.594 [15.09]
28	1 3/4-18 UNS	.203 [5.16]	.094 [2.39]	3.250 [82.55]	.812 [20.62]	1.750 [44.45]	1.562 [39.67]	2.000 [50.80]	.147 [3.73]	MS3057-16B	.938 [23.83]	.594 [15.09]
32	2-18 UNS	.359 [9.12]	.125 [3.17]	3.600 [91.44]	.875 [22.22]	2.250 [57.15]	1.750 [44.45]	2.250 [57.15]	.173 [4.39]	MS3057-20B	1.250 [31.75]	.938 [23.83]
36	2 1/4-16 UN	.359 [9.12]	.125 [3.17]	3.600 [91.44]	.875 [22.22]	2.375 [60.33]	1.983 [50.37]	2.500 [63.50]	.173 [4.39]	MS3057-24B	1.375 [34.93]	.969 [24.61]
40	2 1/2-16 UN	.359 [9.12]	.125 [3.17]	3.900 [99.06]	.875 [22.22]	2.625 [66.68]	2.188 [55.58]	2.750 [69.85]	.173 [4.39]	MS3057-28B	1.625 [41.28]	1.188 [30.18]
44	2 3/4-16 UN	.359 [9.12]	.125 [3.17]	4.000 [101.60]	.875 [22.22]	2.812 [71.42]	2.375 [60.32]	3.000 [76.20]	.173 [4.39]	MS3057-32B	1.875 [47.63]	1.375 [34.93]
48	3-16 UN	.359 [9.12]	.125 [3.17]	4.225 [107.32]	.875 [22.22]	3.312 [84.12]	2.625 [66.67]	3.250 [82.55]	.173 [4.39]	MS3057-40B	2.375 [60.33]	1.875 [47.63]

DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.

SCP3100J

MIL-DTL-5015 SERIES I SOLDER OR CRIMP (F80) CONTACTS

SCPOOK, SCP00LCF(Z) WALL MOUNT RECEPTACLE



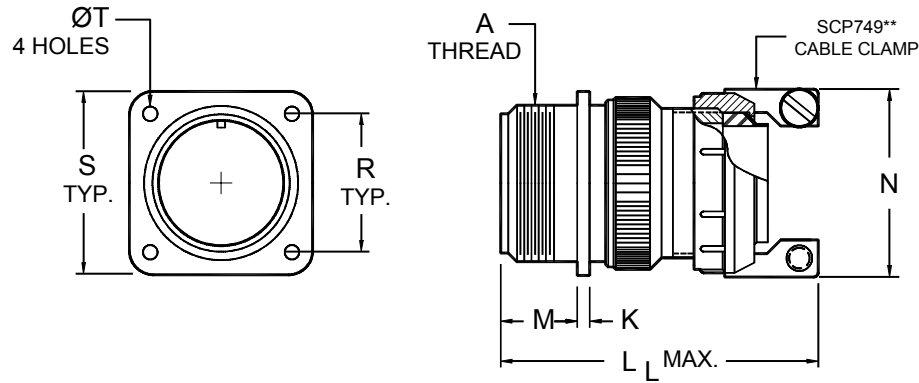
SHELL SIZE	A COUPLING THREAD CLASS 2A	K		L MAX.		M +.031 -.000 [+0.79] [-0.00]	N MAX.	R ±.005 [±0.13]	S ±.031 [±0.79]	T +.010 -.005 [+0.25] [-0.13]	CABLE CLAMP	Z CABLE RANGE	
				K SERIES	LCF SERIES							FREE	CLOSED
		MIN.	MAX.										
8S	1/2-28 UNEF	.156 [3.96]	.062 [1.57]	2.225 [56.52]	4.00 [101.6]	.562 [14.27]	.812 [20.62]	.594 [15.09]	.875 [22.22]	.120 [3.05]	MS3057-3C	.219 [5.56]	.031 [0.79]
10S	5/8-24 UNEF	.156 [3.96]	.062 [1.57]	2.300 [58.42]	4.00 [101.6]	.562 [14.27]	.812 [20.62]	.719 [18.26]	1.000 [25.40]	.120 [3.05]	MS3057-3C	.219 [5.56]	.031 [0.79]
10SL	5/8-24 UNEF	.156 [3.96]	.062 [1.57]	2.300 [58.42]	4.00 [101.6]	.562 [14.27]	.937 [23.80]	.719 [18.26]	1.000 [25.40]	.120 [3.05]	MS3057-4C	.312 [7.92]	.094 [2.39]
12	3/4-20 UNEF	.156 [3.96]	.062 [1.57]	2.900 [73.66]	4.50 [114.0]	.750 [19.05]	.937 [23.80]	.812 [20.62]	1.094 [27.79]	.120 [3.05]	MS3057-4C	.312 [7.92]	.094 [2.39]
12S	3/4-20 UNEF	.156 [3.96]	.062 [1.57]	2.500 [63.50]	4.00 [101.6]	.562 [14.27]	.937 [23.80]	.812 [20.62]	1.094 [27.79]	.120 [3.05]	MS3057-4C	.312 [7.92]	.094 [2.39]
14	7/8-20 UNEF	.156 [3.96]	.062 [1.57]	2.900 [73.66]	4.50 [114.0]	.750 [19.05]	1.062 [26.97]	.906 [23.01]	1.188 [30.18]	.120 [3.05]	MS3057-6C	.438 [11.13]	.250 [6.35]
14S	7/8-20 UNEF	.156 [3.96]	.062 [1.57]	2.500 [63.50]	4.00 [101.6]	.562 [14.27]	1.062 [26.97]	.906 [23.01]	1.188 [30.18]	.120 [3.05]	MS3057-6C	.438 [11.13]	.250 [6.35]
16	1-20 UNEF	.156 [3.96]	.062 [1.57]	2.900 [73.66]	4.50 [114.0]	.750 [19.05]	1.188 [30.18]	.969 [24.61]	1.281 [32.54]	.120 [3.05]	MS3057-8C	.531 [13.49]	.312 [7.92]
16S	1-20 UNEF	.156 [3.96]	.062 [1.57]	2.500 [63.50]	4.00 [101.6]	.562 [14.27]	1.188 [30.18]	.969 [24.61]	1.281 [32.54]	.120 [3.05]	MS3057-8C	.531 [13.49]	.312 [7.92]
18	1 1/8-18 UNEF	.203 [5.16]	.094 [2.39]	2.900 [73.66]	4.69 [119.0]	.750 [19.05]	1.312 [33.32]	1.062 [26.97]	1.375 [34.92]	.120 [3.05]	MS3057-10C	.625 [15.88]	.375 [9.52]
20	1 1/4-18 UNEF	.203 [5.16]	.094 [2.39]	3.000 [76.20]	4.69 [119.0]	.750 [19.05]	1.562 [39.67]	1.156 [29.36]	1.500 [38.10]	.120 [3.05]	MS3057-12C	.750 [19.05]	.500 [12.70]
22	1 3/8-18 UNEF	.203 [5.16]	.094 [2.39]	3.000 [76.20]	4.69 [119.0]	.750 [19.05]	1.562 [39.67]	1.250 [31.75]	1.625 [41.27]	.120 [3.05]	MS3057-12C	.750 [19.05]	.500 [12.70]
24	1 1/2-18 UNEF	.203 [5.16]	.094 [2.39]	3.250 [82.55]	4.90 [124.2]	.812 [20.62]	1.750 [44.45]	1.375 [34.92]	1.750 [44.45]	.147 [3.73]	MS3057-16C	.938 [23.83]	.594 [15.09]
28	1 3/4-18 UNS	.203 [5.16]	.094 [2.39]	3.250 [82.55]	5.125 [130.0]	.812 [20.62]	1.750 [44.45]	1.562 [39.67]	2.000 [50.80]	.147 [3.73]	MS3057-16C	.938 [23.83]	.594 [15.09]
32	2-18 UNS	.359 [9.12]	.125 [3.17]	3.600 [91.44]	5.39 [137.0]	.875 [22.22]	2.250 [57.15]	1.750 [44.45]	2.250 [57.15]	.173 [4.39]	MS3057-20C	1.250 [31.75]	.938 [23.83]
36	2 1/4-16 UN	.359 [9.12]	.125 [3.17]	3.600 [91.44]	5.67 [144.0]	.875 [22.22]	2.375 [60.33]	1.983 [50.37]	2.500 [63.50]	.173 [4.39]	MS3057-24C	1.375 [34.93]	.969 [24.61]
40	2 1/2-16 UN	.359 [9.12]	.125 [3.17]	3.900 [99.06]	5.67 [144.0]	.875 [22.22]	2.625 [66.68]	2.188 [55.58]	2.750 [69.85]	.173 [4.39]	MS3057-28C	1.625 [41.28]	1.188 [30.18]
44	2 3/4-16 UN	.359 [9.12]	.125 [3.17]	4.000 [101.60]	*	.875 [22.22]	2.812 [71.42]	2.375 [60.32]	3.000 [76.20]	.173 [4.39]	MS3057-32C	1.875 [47.63]	1.375 [34.93]
48	3-16 UN	.359 [9.12]	.125 [3.17]	4.225 [107.32]	*	.875 [22.22]	3.312 [84.12]	2.625 [66.67]	3.250 [82.55]	.173 [4.39]	MS3057-40C	2.375 [60.33]	1.875 [47.63]

DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.

* CONSULT FACTORY

SCP3100K

SCPOOL WALL MOUNT RECEPTACLE



SHELL SIZE	A COUPLING THREAD CLASS 2A	K		L _L MAX.	M +.031 -.000 [+0.79] [-0.00]	N MAX.	R ±.005 [±0.13]	S ±.031 [±0.79]	T +.010 -.005 [+0.25] [-0.13]	CABLE CLAMP
		MIN.	MAX.							
8S	1/2-28 UNEF	.156 [3.96]	.062 [1.57]	2.225 [56.52]	.562 [14.27]	.807 [20.50]	.594 [15.09]	.875 [22.22]	.120 [3.05]	SCP74908-*
10S	5/8-24 UNEF	.156 [3.96]	.062 [1.57]	2.300 [58.42]	.562 [14.27]	.807 [20.50]	.719 [18.26]	1.000 [25.40]	.120 [3.05]	SCP74910-*
10SL	5/8-24 UNEF	.156 [3.96]	.062 [1.57]	2.300 [58.42]	.562 [14.27]	.901 [22.89]	.719 [18.26]	1.000 [25.40]	.120 [3.05]	SCP74911-*
12	3/4-20 UNEF	.156 [3.96]	.062 [1.57]	2.900 [73.66]	.750 [19.05]	.901 [22.89]	.812 [20.62]	1.094 [27.79]	.120 [3.05]	SCP74912-*
12S	3/4-20 UNEF	.156 [3.96]	.062 [1.57]	2.500 [63.50]	.562 [14.27]	.901 [22.89]	.812 [20.62]	1.094 [27.79]	.120 [3.05]	SCP74913-*
14	7/8-20 UNEF	.156 [3.96]	.062 [1.57]	2.900 [73.66]	.750 [19.05]	1.026 [26.06]	.906 [23.01]	1.188 [30.18]	.120 [3.05]	SCP74914-*
14S	7/8-20 UNEF	.156 [3.96]	.062 [1.57]	2.500 [63.50]	.562 [14.27]	1.026 [26.06]	.906 [23.01]	1.188 [30.18]	.120 [3.05]	SCP74915-*
16	1-20 UNEF	.156 [3.96]	.062 [1.57]	2.900 [73.66]	.750 [19.05]	1.119 [28.42]	.969 [24.61]	1.281 [32.54]	.120 [3.05]	SCP74916-*
16S	1-20 UNEF	.156 [3.96]	.062 [1.57]	2.500 [63.50]	.562 [14.27]	1.119 [28.42]	.969 [24.61]	1.281 [32.54]	.120 [3.05]	SCP74917-*
18	1 1/8-18 UNEF	.203 [5.16]	.094 [2.39]	2.900 [73.66]	.750 [19.05]	1.229 [31.22]	1.062 [26.97]	1.375 [34.92]	.120 [3.05]	SCP74918-*
20	1 1/4-18 UNEF	.203 [5.16]	.094 [2.39]	3.000 [76.20]	.750 [19.05]	1.479 [37.57]	1.156 [29.36]	1.500 [38.10]	.120 [3.05]	SCP74920-*
22	1 3/8-18 UNEF	.203 [5.16]	.094 [2.39]	3.000 [76.20]	.750 [19.05]	1.479 [37.57]	1.250 [31.75]	1.625 [41.27]	.120 [3.05]	SCP74922-*
24	1 1/2-18 UNEF	.203 [5.16]	.094 [2.39]	3.250 [82.55]	.812 [20.62]	1.666 [42.32]	1.375 [34.92]	1.750 [44.45]	.147 [3.73]	SCP74924-*
28	1 3/4-18 UNS	.203 [5.16]	.094 [2.39]	3.250 [82.55]	.812 [20.62]	1.666 [42.32]	1.562 [39.67]	2.000 [50.80]	.147 [3.73]	SCP74928-*
32	2-18 UNS	.359 [9.12]	.125 [3.17]	3.600 [91.44]	.875 [22.22]	2.135 [54.23]	1.750 [44.45]	2.250 [57.15]	.173 [4.39]	SCP74932-*
36	2 1/4-16 UN	.359 [9.12]	.125 [3.17]	3.600 [91.44]	.875 [22.22]	2.260 [57.40]	1.983 [50.37]	2.500 [63.50]	.173 [4.39]	SCP74936-*
40	2 1/2-16 UN	.359 [9.12]	.125 [3.17]	3.900 [99.06]	.875 [22.22]	2.510 [63.75]	2.188 [55.58]	2.750 [69.85]	.173 [4.39]	SCP74940-*
44	2 3/4-16 UN	.359 [9.12]	.125 [3.17]	4.000 [101.60]	.875 [22.22]	2.812 [71.42]	2.375 [60.32]	3.000 [76.20]	.173 [4.39]	SCP74944-*
48	3-16 UN	.359 [9.12]	.125 [3.17]	4.225 [107.32]	.875 [22.22]	3.312 [84.12]	2.625 [66.67]	3.250 [82.55]	.173 [4.39]	SCP74948-*

DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.

SCP3100L

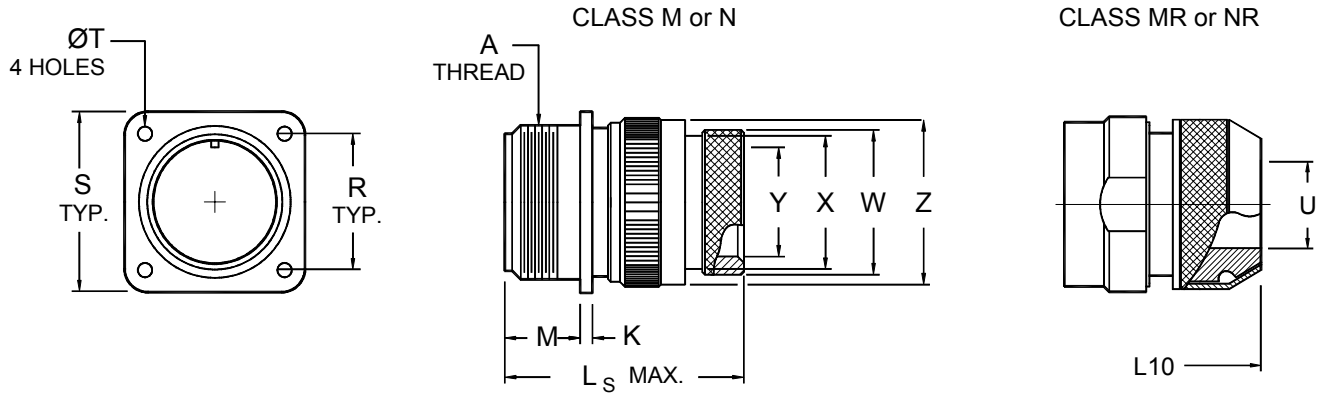
MIL-DTL-5015 SERIES I SOLDER OR CRIMP (F80) CONTACTS

SCP00M or N

SCP00MR or NR

WALL MOUNT RECEPTACLE

SHRINK BOOT ADAPTER

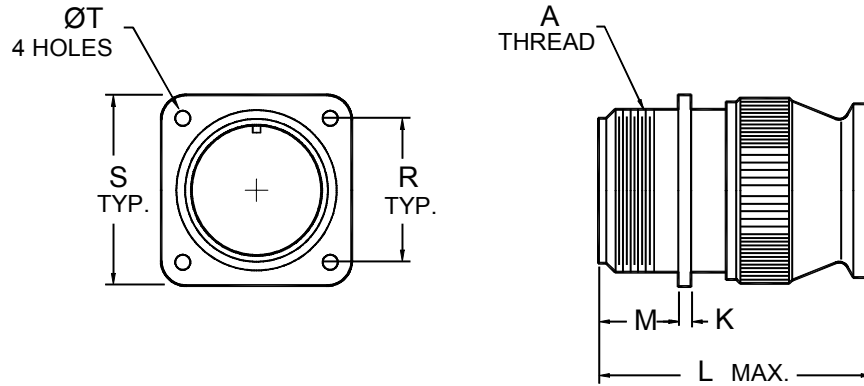


SHELL SIZE	A COUPLING THREAD CLASS 2A	K		L _S MAX.	L ₁₀ MAX.	M +.031 -.000 [+0.79] [-0.00]	R ±.005 [±0.13]	S ±.031 [±0.79]	T +.010 -.005 [+0.25] [-0.13]	U MAX.	W ±.008 [±0.20]	X MAX.	Y ±.004 [±0.10]	Z ±.008 [±0.20]
		MIN.	MAX.											
8S	1/2-28 UNEF	.156 [3.96]	.062 [1.57]	Consult Sales	Consult Sales	.562 [14.27]	.594 [15.09]	.875 [22.22]	.120 [3.05]	Consult Sales	-	-	-	-
10S	5/8-24 UNEF	.156 [3.96]	.062 [1.57]	2.140 [54.36]	Consult Sales	.562 [14.27]	.719 [18.26]	1.000 [25.40]	.120 [3.05]	Consult Sales	.605 [15.37]	.524 [13.30]	.669 [17.00]	.734 [18.64]
10SL	5/8-24 UNEF	.156 [3.96]	.062 [1.57]	2.140 [54.36]	2.047 [52.20]	.562 [14.27]	.719 [18.26]	1.000 [25.40]	.120 [3.05]	.338 [8.60]	.605 [15.37]	.524 [13.30]	.311 [7.90]	.734 [18.64]
12	3/4-20 UNEF	.156 [3.96]	.062 [1.57]	2.612 [66.34]	2.480 [63.30]	.750 [19.05]	.812 [20.62]	1.094 [27.79]	.120 [3.05]	.378 [9.60]	.774 [19.66]	.524 [13.30]	.311 [7.90]	.858 [21.79]
12S	3/4-20 UNEF	.156 [3.96]	.062 [1.57]	2.140 [54.36]	2.047 [52.20]	.562 [14.27]	.812 [20.62]	1.094 [27.79]	.120 [3.05]	.378 [9.60]	.774 [19.66]	.524 [13.30]	.311 [7.90]	.858 [21.79]
14	7/8-20 UNEF	.156 [3.96]	.062 [1.57]	2.612 [66.34]	2.480 [63.30]	.750 [19.05]	.906 [23.01]	1.188 [30.18]	.120 [3.05]	.417 [10.60]	.838 [21.29]	.669 [17.00]	.425 [10.80]	.984 [24.99]
14S	7/8-20 UNEF	.156 [3.96]	.062 [1.57]	2.140 [54.36]	2.047 [52.20]	.562 [14.27]	.906 [23.01]	1.188 [30.18]	.120 [3.05]	.417 [10.60]	.838 [21.29]	.669 [17.00]	.425 [10.80]	.984 [24.99]
16	1-20 UNEF	.156 [3.96]	.062 [1.57]	2.612 [66.34]	2.480 [63.30]	.750 [19.05]	.969 [24.61]	1.281 [32.54]	.120 [3.05]	.531 [13.50]	.963 [24.46]	.862 [21.90]	.539 [13.70]	1.112 [28.24]
16S	1-20 UNEF	.156 [3.96]	.062 [1.57]	2.140 [54.36]	2.134 [54.20]	.562 [14.27]	.969 [24.61]	1.281 [32.54]	.120 [3.05]	.531 [13.50]	.963 [24.46]	.862 [21.90]	.539 [13.70]	1.112 [28.24]
18	1 1/8-18 UNEF	.203 [5.16]	.094 [2.39]	2.612 [66.34]	2.540 [64.50]	.750 [19.05]	1.062 [26.97]	1.375 [34.92]	.120 [3.05]	.575 [14.60]	1.042 [26.47]	.885 [22.48]	.583 [14.80]	1.218 [30.94]
20	1 1/4-18 UNEF	.203 [5.16]	.094 [2.39]	2.809 [71.35]	2.540 [64.50]	.750 [19.05]	1.156 [29.36]	1.500 [38.10]	.120 [3.05]	.728 [18.50]	1.217 [30.91]	1.039 [26.39]	.744 [18.90]	1.345 [34.16]
22	1 3/8-18 UNEF	.203 [5.16]	.094 [2.39]	2.809 [71.35]	2.540 [64.50]	.750 [19.05]	1.250 [31.75]	1.625 [41.27]	.120 [3.05]	.819 [20.80]	1.355 [34.42]	1.129 [28.68]	.827 [21.00]	1.468 [37.29]
24	1 1/2-18 UNEF	.203 [5.16]	.094 [2.39]	2.809 [71.35]	2.567 [65.20]	.812 [20.62]	1.375 [34.92]	1.750 [44.45]	.147 [3.73]	.969 [24.60]	1.433 [36.40]	1.247 [31.67]	.976 [24.80]	1.593 [40.46]
28	1 3/4-18 UNS	.203 [5.16]	.094 [2.39]	2.809 [71.35]	2.567 [65.20]	.812 [20.62]	1.562 [39.67]	2.000 [50.80]	.147 [3.73]	1.063 [27.00]	1.709 [43.41]	1.409 [35.79]	1.071 [27.20]	1.969 [50.01]
32	2-18 UNS	.359 [9.12]	.125 [3.17]	3.006 [76.35]	2.630 [66.80]	.875 [22.22]	1.750 [44.45]	2.250 [57.15]	.173 [4.39]	1.131 [33.30]	1.919 [48.74]	1.692 [42.98]	1.319 [33.50]	2.219 [56.36]
36	2 1/4-16 UN	.359 [9.12]	.125 [3.17]	3.203 [81.36]	2.630 [66.80]	.875 [22.22]	1.983 [50.37]	2.500 [63.50]	.173 [4.39]	1.516 [38.50]	2.169 [55.09]	1.948 [49.48]	1.524 [38.70]	2.469 [62.71]
40	2 1/2-16 UN	.359 [9.12]	.125 [3.17]	3.281 [83.34]	2.630 [66.80]	.875 [22.22]	2.188 [55.58]	2.750 [69.85]	.173 [4.39]	1.811 [46.00]	2.402 [61.01]	2.184 [55.47]	1.898 [48.20]	2.719 [69.06]

DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.

SCP3100S

SCP00R WALL MOUNT RECEPTACLE



SHELL SIZE	A COUPLING THREAD CLASS 2A	K		L MAX.	M +.031 -.000 [+0.79] [-0.00]	R ±.005 [±0.13]	S ±.031 [±0.79]	T +.010 -.005 [+0.25] [-0.13]
		MAX.	MIN.					
8S	1/2-28 UNEF	.156 [3.96]	.062 [1.57]	1.838 [46.69]	.562 [14.27]	.594 [15.09]	.875 [22.22]	.120 [3.05]
10S	5/8-24 UNEF	.156 [3.96]	.062 [1.57]	1.838 [46.69]	.562 [14.27]	.719 [18.26]	1.000 [25.40]	.120 [3.05]
10SL	5/8-24 UNEF	.156 [3.96]	.062 [1.57]	1.838 [46.69]	.562 [14.27]	.719 [18.26]	1.000 [25.40]	.120 [3.05]
12	3/4-20 UNEF	.156 [3.96]	.062 [1.57]	2.181 [55.40]	.750 [19.05]	.812 [20.62]	1.094 [27.79]	.120 [3.05]
12S	3/4-20 UNEF	.156 [3.96]	.062 [1.57]	1.838 [46.69]	.562 [14.27]	.812 [20.62]	1.094 [27.79]	.120 [3.05]
14	7/8-20 UNEF	.156 [3.96]	.062 [1.57]	2.181 [55.40]	.750 [19.05]	.906 [23.01]	1.188 [30.18]	.120 [3.05]
14S	7/8-20 UNEF	.156 [3.96]	.062 [1.57]	1.838 [46.69]	.562 [14.27]	.906 [23.01]	1.188 [30.18]	.120 [3.05]
16	1-20 UNEF	.156 [3.96]	.062 [1.57]	2.181 [55.40]	.750 [19.05]	.969 [24.61]	1.281 [32.54]	.120 [3.05]
16S	1-20 UNEF	.156 [3.96]	.062 [1.57]	1.838 [46.69]	.562 [14.27]	.969 [24.61]	1.281 [32.54]	.120 [3.05]
18	1 1/8-18 UNEF	.203 [5.16]	.094 [2.39]	2.281 [57.94]	.750 [19.05]	1.062 [26.97]	1.375 [34.92]	.120 [3.05]
20	1 1/4-18 UNEF	.203 [5.16]	.094 [2.39]	2.281 [57.94]	.750 [19.05]	1.156 [29.36]	1.500 [38.10]	.120 [3.05]
22	1 3/8-18 UNEF	.203 [5.16]	.094 [2.39]	2.281 [57.94]	.750 [19.05]	1.250 [31.75]	1.625 [41.27]	.120 [3.05]
24	1 1/2-18 UNEF	.203 [5.16]	.094 [2.39]	2.281 [57.94]	.812 [20.62]	1.375 [34.92]	1.750 [44.45]	.147 [3.73]
28	1 3/4-18 UNS	.203 [5.16]	.094 [2.39]	2.281 [57.94]	.812 [20.62]	1.562 [39.67]	2.000 [50.80]	.147 [3.73]
32	2-18 UNS	.359 [9.12]	.125 [3.17]	2.322 [58.98]	.875 [22.22]	1.750 [44.45]	2.250 [57.15]	.173 [4.39]
36	2 1/4-16 UN	.359 [9.12]	.125 [3.17]	2.322 [58.98]	.875 [22.22]	1.983 [50.37]	2.500 [63.50]	.173 [4.39]
40	2 1/2-16 UN	.359 [9.12]	.125 [3.17]	2.322 [58.98]	.875 [22.22]	2.188 [55.58]	2.750 [69.85]	.173 [4.39]

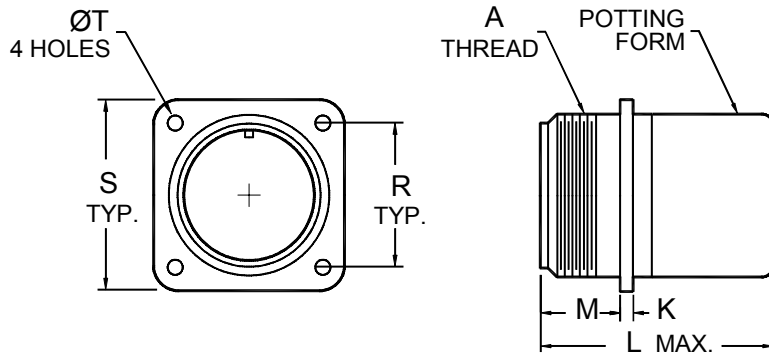
DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.

SCP00R

MIL-DTL-5015 SERIES I SOLDER OR CRIMP (F80) CONTACTS

SCPOOS

WALL MOUNT RECEPTACLE



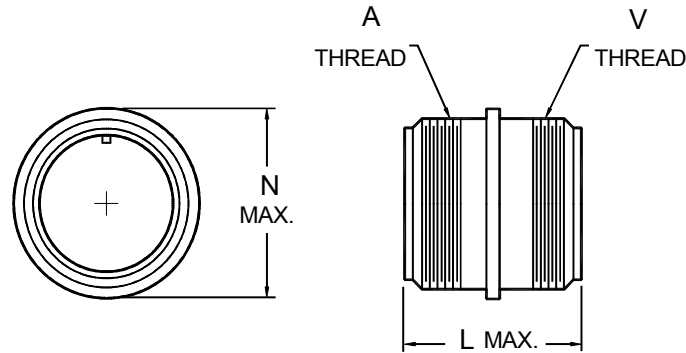
SHELL SIZE	A COUPLING THREAD CLASS 2A	K		L MAX.	M +.031 -.000 [+0.79] [-0.00]	R ±.005 [±0.13]	S ±.031 [±0.79]	T +.010 -.005 [+0.25] [-0.13]
		MIN.	MAX.					
8S	1/2-28 UNEF	.156 [3.96]	.062 [1.57]	1.531 [38.89]	.562 [14.27]	.594 [15.09]	.875 [22.22]	.120 [3.05]
10S	5/8-24 UNEF	.156 [3.96]	.062 [1.57]	1.531 [38.89]	.562 [14.27]	.719 [18.26]	1.000 [25.40]	.120 [3.05]
10SL	5/8-24 UNEF	.156 [3.96]	.062 [1.57]	1.531 [38.89]	.562 [14.27]	.719 [18.26]	1.000 [25.40]	.120 [3.05]
12	3/4-20 UNEF	.156 [3.96]	.062 [1.57]	1.968 [49.99]	.750 [19.05]	.812 [20.62]	1.094 [27.79]	.120 [3.05]
12S	3/4-20 UNEF	.156 [3.96]	.062 [1.57]	1.531 [38.89]	.562 [14.27]	.812 [20.62]	1.094 [27.79]	.120 [3.05]
14	7/8-20 UNEF	.156 [3.96]	.062 [1.57]	1.968 [49.99]	.750 [19.05]	.906 [23.01]	1.188 [30.18]	.120 [3.05]
14S	7/8-20 UNEF	.156 [3.96]	.062 [1.57]	1.531 [38.89]	.562 [14.27]	.906 [23.01]	1.188 [30.18]	.120 [3.05]
16	1-20 UNEF	.156 [3.96]	.062 [1.57]	1.968 [49.99]	.750 [19.05]	.969 [24.61]	1.281 [32.54]	.120 [3.05]
16S	1-20 UNEF	.156 [3.96]	.062 [1.57]	1.531 [38.89]	.562 [14.27]	.969 [24.61]	1.281 [32.54]	.120 [3.05]
18	1 1/8-18 UNEF	.203 [5.16]	.094 [2.39]	1.968 [49.99]	.750 [19.05]	1.062 [26.97]	1.375 [34.92]	.120 [3.05]
20	1 1/4-18 UNEF	.203 [5.16]	.094 [2.39]	2.188 [55.58]	.750 [19.05]	1.156 [29.36]	1.500 [38.10]	.120 [3.05]
22	1 3/8-18 UNEF	.203 [5.16]	.094 [2.39]	2.188 [55.58]	.750 [19.05]	1.250 [31.75]	1.625 [41.27]	.120 [3.05]
24	1 1/2-18 UNEF	.203 [5.16]	.094 [2.39]	2.188 [55.58]	.812 [20.62]	1.375 [34.92]	1.750 [44.45]	.147 [3.73]
28	1 3/4-18 UNS	.203 [5.16]	.094 [2.39]	2.188 [55.58]	.812 [20.62]	1.562 [39.67]	2.000 [50.80]	.147 [3.73]
32	2-18 UNS	.359 [9.12]	.125 [3.17]	2.188 [55.58]	.875 [22.22]	1.750 [44.45]	2.250 [57.15]	.173 [4.39]
36	2 1/4-16 UN	.359 [9.12]	.125 [3.17]	2.188 [55.58]	.875 [22.22]	1.983 [50.37]	2.500 [63.50]	.173 [4.39]
40	2 1/2-16 UN	.359 [9.12]	.125 [3.17]	2.188 [55.58]	.875 [22.22]	2.188 [55.58]	2.750 [69.85]	.173 [4.39]
44	2 3/4-16 UN	.359 [9.12]	.125 [3.17]	-	.875 [22.22]	2.375 [60.32]	3.000 [76.20]	.173 [4.39]
48	3-16 UN	.359 [9.12]	.125 [3.17]	-	.875 [22.22]	2.625 [66.67]	3.250 [82.55]	.173 [4.39]

DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.

1B012

SCP01A,B,C

IN-LINE RECEPTACLE



SHELL SIZE	A COUPLING THREAD CLASS 2A	L MAX.	N MAX.	V ACCESSORY THREAD CLASS 2A
8S	1/2-28 UNEF	1.469 [37.31]	.844 [21.44]	1/2-28 UNEF
10S	5/8-24 UNEF	1.531 [38.89]	.969 [24.61]	1/2-28 UNEF
10SL	5/8-24 UNEF	1.531 [38.89]	1.062 [26.97]	5/8-24 UNEF
12	3/4-20 UNEF	1.688 [42.88]	1.062 [26.97]	5/8-24 UNEF
12S	3/4-20 UNEF	1.688 [42.88]	1.062 [26.97]	5/8-24 UNEF
14	7/8-20 UNEF	2.062 [52.37]	1.156 [29.36]	3/4-20 UNEF
14S	7/8-20 UNEF	1.688 [42.88]	1.156 [29.36]	3/4-20 UNEF
16	1-20 UNEF	2.062 [52.37]	1.250 [31.75]	7/8-20 UNEF
16S	1-20 UNEF	1.688 [42.88]	1.250 [31.75]	7/8-20 UNEF
18	1 1/8-18 UNEF	2.062 [52.37]	1.344 [34.14]	1-20 UNEF
20	1 1/4-18 UNEF	2.188 [55.58]	1.496 [38.00]	1 3/16-18 UNEF
22	1 3/8-18 UNEF	2.188 [55.58]	1.594 [40.49]	1 3/16-18 UNEF
24	1 1/2-18 UNEF	2.312 [58.72]	1.719 [43.66]	1 7/16-18 UNEF
28	1 3/4-18 UNS	2.312 [58.72]	1.969 [50.01]	1 7/16-18 UNEF
32	2-18 UNS	2.438 [61.93]	2.219 [56.36]	1 3/4-18 UNS
36	2 1/4-16 UN	2.438 [61.93]	2.469 [62.71]	2-18 UNS
40	2 1/2-16 UN	2.438 [61.93]	2.719 [69.06]	2 1/4-16 UN
44	2 3/4-16 UN	2.562 [65.07]	2.969 [75.41]	2 1/2-16 UN
48	3-16 UN	2.562 [65.07]	3.219 [81.76]	3-16 UN

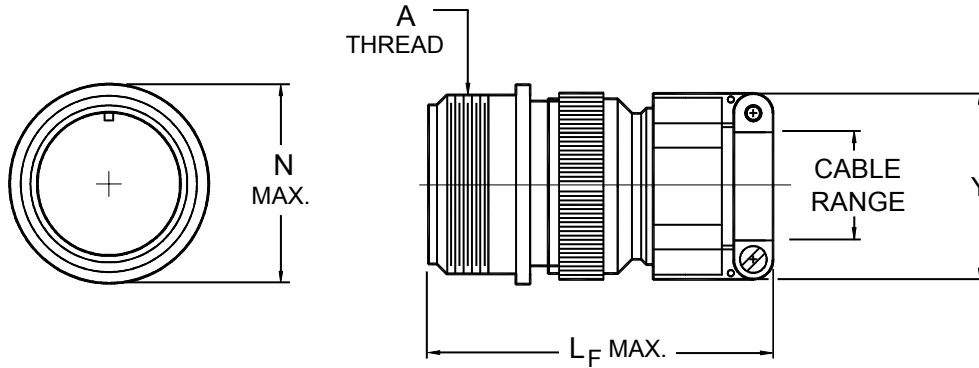
1. DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.

1B006

MIL-DTL-5015 SERIES I SOLDER OR CRIMP (F80) CONTACTS

SCP01D

IN-LINE RECEPTACLE

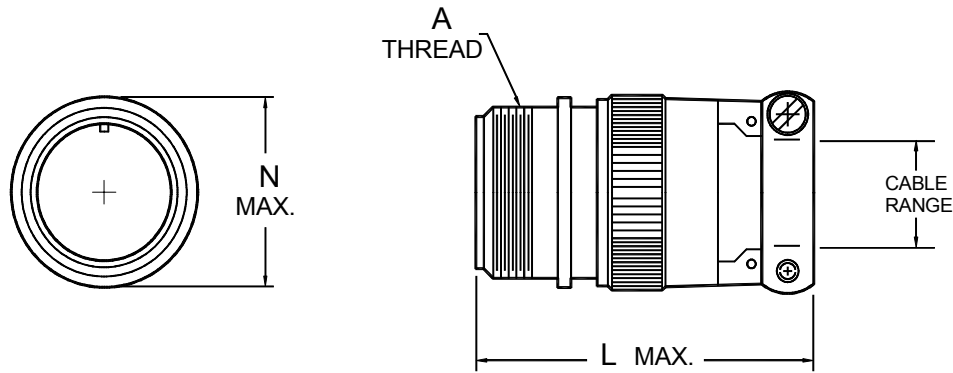


SHELL SIZE	A COUPLING THREAD CLASS 2A	L _F MAX.	N MAX.	Y ±.020 [±0.51]	CABLE RANGE	
					OPEN	CLOSED
8S	1/2-28 UNEF	2.225 [56.52]	.844 [21.44]	.825 [20.96]	.250 [6.35]	.125 [3.18]
10S	5/8-24 UNEF	2.300 [58.42]	.969 [24.61]	.825 [20.96]	.250 [6.35]	.125 [3.18]
10SL	5/8-24 UNEF	2.300 [58.42]	1.062 [26.97]	.938 [23.83]	.312 [7.92]	.125 [3.18]
12	3/4-20 UNEF	2.900 [73.66]	1.062 [26.97]	.938 [23.83]	.312 [7.92]	.125 [3.18]
12S	3/4-20 UNEF	2.500 [63.50]	1.062 [26.97]	.938 [23.83]	.312 [7.92]	.125 [3.18]
14	7/8-20 UNEF	2.900 [73.66]	1.156 [29.36]	1.125 [28.58]	.438 [11.13]	.250 [6.35]
14S	7/8-20 UNEF	2.500 [63.50]	1.156 [29.36]	1.125 [28.58]	.438 [11.13]	.250 [6.35]
16	1-20 UNEF	2.900 [73.66]	1.250 [31.75]	1.312 [33.32]	.562 [14.27]	.312 [7.92]
16S	1-20 UNEF	2.500 [63.50]	1.250 [31.75]	1.312 [33.32]	.562 [14.27]	.312 [7.92]
18	1 1/8-18 UNEF	2.900 [73.66]	1.344 [34.14]	1.312 [33.32]	.625 [15.88]	.350 [8.89]
20	1 1/4-18 UNEF	3.000 [76.20]	1.496 [38.00]	1.531 [38.89]	.750 [19.05]	.500 [12.70]
22	1 3/8-18 UNEF	3.000 [76.20]	1.594 [40.49]	1.531 [38.89]	.750 [19.05]	.500 [12.70]
24	1 1/2-18 UNEF	3.250 [82.55]	1.719 [43.66]	1.750 [44.45]	.938 [23.83]	.625 [15.88]
28	1 3/4-18 UNS	3.250 [82.55]	1.969 [50.01]	1.750 [44.45]	.938 [23.83]	.625 [15.88]
32	2-18 UNS	3.600 [91.44]	2.219 [56.36]	2.093 [53.16]	1.250 [31.75]	.875 [22.23]
36	2 1/4-16 UN	3.600 [91.44]	2.469 [62.71]	2.343 [59.51]	1.375 [34.93]	1.000 [25.40]
40	2 1/2-16 UN	3.900 [99.06]	2.719 [69.06]	2.750 [69.85]	1.625 [41.28]	1.250 [31.75]
44	2 3/4-16 UN	4.000 [101.60]	2.969 [75.41]	3.000 [76.20]	1.875 [47.63]	1.437 [36.50]
48	3-16 UN	4.225 [107.32]	3.219 [81.76]	3.530 [89.66]	2.375 [60.33]	1.650 [41.91]

DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.

SCP3101F

SCP01E IN-LINE RECEPTACLE



SHELL SIZE	A COUPLING THREAD CLASS 2A	L MAX.	N MAX.	CABLE RANGE	
				OPEN	CLOSED
8S	1/2-28 UNEF	2.250 [57.15]	.844 [21.44]	.250 [6.35]	.125 [3.18]
10S	5/8-24 UNEF	2.250 [57.15]	.969 [24.61]	.250 [6.35]	.125 [3.18]
10SL	5/8-24 UNEF	2.250 [57.15]	1.062 [26.97]	.312 [7.92]	.125 [3.18]
12	3/4-20 UNEF	2.625 [66.67]	1.062 [26.97]	.312 [7.92]	.125 [3.18]
12S	3/4-20 UNEF	2.250 [57.15]	1.062 [26.97]	.312 [7.92]	.125 [3.18]
14	7/8-20 UNEF	2.625 [66.67]	1.156 [29.36]	.438 [11.13]	.250 [6.35]
14S	7/8-20 UNEF	2.250 [57.15]	1.156 [29.36]	.438 [11.13]	.250 [6.35]
16	1-20 UNEF	2.625 [66.67]	1.281 [32.54]	.562 [14.27]	.312 [7.92]
16S	1-20 UNEF	2.250 [57.15]	1.281 [32.54]	.562 [14.27]	.312 [7.92]
18	1 1/8-18 UNEF	2.688 [68.28]	1.344 [34.14]	.625 [15.88]	.350 [8.89]
20	1 1/4-18 UNEF	2.750 [69.85]	1.500 [38.10]	.750 [19.05]	.500 [12.70]
22	1 3/8-18 UNEF	2.750 [69.85]	1.625 [41.27]	.750 [19.05]	.500 [12.70]
24	1 1/2-18 UNEF	2.969 [75.41]	1.750 [44.45]	.938 [23.83]	.625 [15.88]
28	1 3/4-18 UNS	3.031 [76.99]	2.000 [50.80]	.938 [23.83]	.625 [15.88]
32	2-18 UNS	3.031 [76.99]	2.250 [57.15]	1.250 [31.75]	.875 [22.23]
36	2 1/4-16 UN	3.281 [83.34]	2.500 [63.50]	1.375 [34.93]	1.000 [25.40]
40	2 1/2-16 UN	3.500 [88.90]	2.750 [69.85]	1.625 [41.28]	1.250 [31.75]

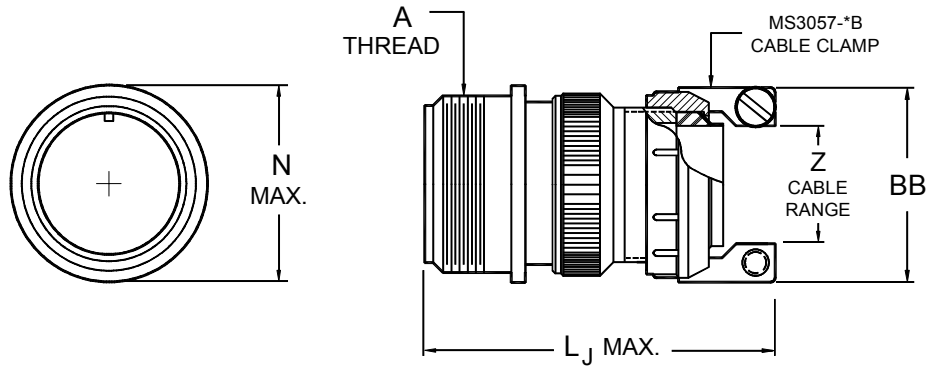
DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.

SCP01E

MIL-DTL-5015 SERIES I SOLDER OR CRIMP (F80) CONTACTS

SCP01J

IN-LINE RECEPTACLE

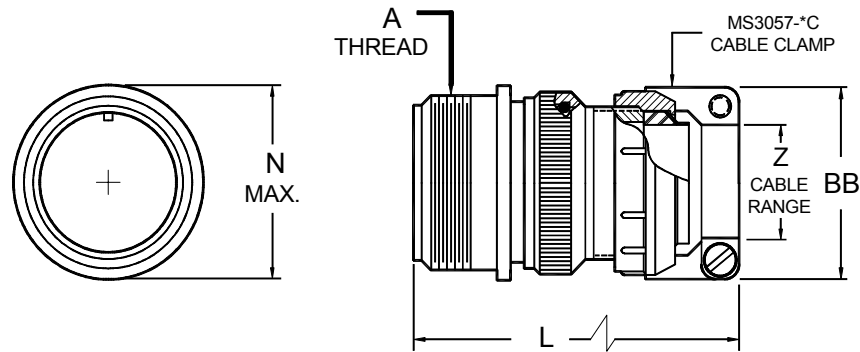


SHELL SIZE	A COUPLING THREAD CLASS 2A	BB MAX.	L _J MAX.	N MAX.	CABLE CLAMP	Z CABLE RANGE	
						FREE	CLOSED
8S	1/2-28 UNEF	.812 [20.62]	2.225 [56.52]	.844 [21.44]	MS3057-3B	.219 [5.56]	.031 [0.79]
10S	5/8-24 UNEF	.812 [20.62]	2.300 [58.42]	.969 [24.61]	MS3057-3B	.219 [5.56]	.031 [0.79]
10SL	5/8-24 UNEF	.937 [23.80]	2.300 [58.42]	1.062 [26.97]	MS3057-4B	.312 [7.92]	.094 [2.39]
12	3/4-20 UNEF	.937 [23.80]	2.900 [73.66]	1.062 [26.97]	MS3057-4B	.312 [7.92]	.094 [2.39]
12S	3/4-20 UNEF	.937 [23.80]	2.500 [63.50]	1.062 [26.97]	MS3057-4B	.312 [7.92]	.094 [2.39]
14	7/8-20 UNEF	1.062 [26.97]	2.900 [73.66]	1.156 [29.36]	MS3057-6B	.438 [11.13]	.250 [6.35]
14S	7/8-20 UNEF	1.062 [26.97]	2.500 [63.50]	1.156 [29.36]	MS3057-6B	.438 [11.13]	.250 [6.35]
16	1-20 UNEF	1.188 [30.18]	2.900 [73.66]	1.250 [31.75]	MS3057-8B	.531 [13.49]	.312 [7.92]
16S	1-20 UNEF	1.188 [30.18]	2.500 [63.50]	1.250 [31.75]	MS3057-8B	.531 [13.49]	.312 [7.92]
18	1 1/8-18 UNEF	1.312 [33.32]	2.900 [73.66]	1.344 [34.14]	MS3057-10B	.625 [15.88]	.375 [9.52]
20	1 1/4-18 UNEF	1.562 [39.67]	3.000 [76.20]	1.496 [38.00]	MS3057-12B	.750 [19.05]	.500 [12.70]
22	1 3/8-18 UNEF	1.562 [39.67]	3.000 [76.20]	1.594 [40.49]	MS3057-12B	.750 [19.05]	.500 [12.70]
24	1 1/2-18 UNEF	1.750 [44.45]	3.250 [82.55]	1.719 [43.66]	MS3057-16B	.938 [23.83]	.594 [15.09]
28	1 3/4-18 UNS	1.750 [44.45]	3.250 [82.55]	1.969 [50.01]	MS3057-16B	.938 [23.83]	.594 [15.09]
32	2-18 UNS	2.250 [57.15]	3.600 [91.44]	2.219 [56.36]	MS3057-20B	1.250 [31.75]	.938 [23.83]
36	2 1/4-16 UN	2.375 [60.33]	3.600 [91.44]	2.469 [62.71]	MS3057-24B	1.375 [34.93]	.969 [24.61]
40	2 1/2-16 UN	2.625 [66.68]	3.900 [99.06]	2.719 [69.06]	MS3057-28B	1.625 [41.28]	1.188 [30.18]
44	2 3/4-16 UN	2.812 [71.42]	4.000 [101.60]	2.969 [75.41]	MS3057-32B	1.875 [47.63]	1.375 [34.93]
48	3-16 UN	3.312 [84.12]	4.225 [107.32]	3.219 [81.76]	MS3057-40B	2.375 [60.33]	1.875 [47.63]

DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.

SCP3101J

SCP01K, SCP01LCF(Z) IN-LINE RECEPTACLE



SHELL SIZE	A COUPLING THREAD CLASS 2A	BB MAX.	L MAX.		N MAX.	CABLE CLAMP	Z CABLE RANGE	
			K	LCF			FREE	CLOSED
			SERIES	SERIES				
8S	1/2-28 UNEF	.812 [20.62]	2.225 [56.52]	4.00 [101.6]	.844 [21.44]	MS3057-3C	.219 [5.56]	.031 [0.79]
10S	5/8-24 UNEF	.812 [20.62]	2.300 [58.42]	4.00 [101.6]	.969 [24.61]	MS3057-3C	.219 [5.56]	.031 [0.79]
10SL	5/8-24 UNEF	.937 [23.80]	2.300 [58.42]	4.00 [101.6]	1.062 [26.97]	MS3057-4C	.312 [7.92]	.094 [2.39]
12	3/4-20 UNEF	.937 [23.80]	2.900 [73.66]	4.50 [114.0]	1.062 [26.97]	MS3057-4C	.312 [7.92]	.094 [2.39]
12S	3/4-20 UNEF	.937 [23.80]	2.500 [63.50]	4.00 [101.6]	1.062 [26.97]	MS3057-4C	.312 [7.92]	.094 [2.39]
14	7/8-20 UNEF	1.062 [26.97]	2.900 [73.66]	4.50 [114.0]	1.156 [29.36]	MS3057-6C	.438 [11.13]	.250 [6.35]
14S	7/8-20 UNEF	1.062 [26.97]	2.500 [63.50]	4.00 [101.6]	1.156 [29.36]	MS3057-6C	.438 [11.13]	.250 [6.35]
16	1-20 UNEF	1.188 [30.18]	2.900 [73.66]	4.50 [114.0]	1.250 [31.75]	MS3057-8C	.531 [13.49]	.312 [7.92]
16S	1-20 UNEF	1.188 [30.18]	2.500 [63.50]	4.00 [101.6]	1.250 [31.75]	MS3057-8C	.531 [13.49]	.312 [7.92]
18	1 1/8-18 UNEF	1.312 [33.32]	2.900 [73.66]	4.69 [119.0]	1.344 [34.14]	MS3057-10C	.625 [15.88]	.375 [9.52]
20	1 1/4-18 UNEF	1.562 [39.67]	3.000 [76.20]	4.69 [119.0]	1.496 [38.00]	MS3057-12C	.750 [19.05]	.500 [12.70]
22	1 3/8-18 UNEF	1.562 [39.67]	3.000 [76.20]	4.69 [119.0]	1.594 [40.49]	MS3057-12C	.750 [19.05]	.500 [12.70]
24	1 1/2-18 UNEF	1.750 [44.45]	3.250 [82.55]	4.90 [124.2]	1.719 [43.66]	MS3057-16C	.938 [23.83]	.594 [15.09]
28	1 3/4-18 UNS	1.750 [44.45]	3.250 [82.55]	5.125 [130.0]	1.969 [50.01]	MS3057-16C	.938 [23.83]	.594 [15.09]
32	2-18 UNS	2.250 [57.15]	3.600 [91.44]	5.39 [137.0]	2.219 [56.36]	MS3057-20C	1.250 [31.75]	.938 [23.83]
36	2 1/4-16 UN	2.375 [60.33]	3.600 [91.44]	5.67 [144.0]	2.469 [62.71]	MS3057-24C	1.375 [34.93]	.969 [24.61]
40	2 1/2-16 UN	2.625 [66.68]	3.900 [99.06]	5.67 [144.0]	2.719 [69.06]	MS3057-28C	1.625 [41.28]	1.188 [30.18]
44	2 3/4-16 UN	2.812 [71.42]	4.000 [101.60]	*	2.969 [75.41]	MS3057-32C	1.875 [47.63]	1.375 [34.93]
48	3-16 UN	3.312 [84.12]	4.225 [107.32]	*	3.219 [81.76]	MS3057-40C	2.375 [60.33]	1.875 [47.63]

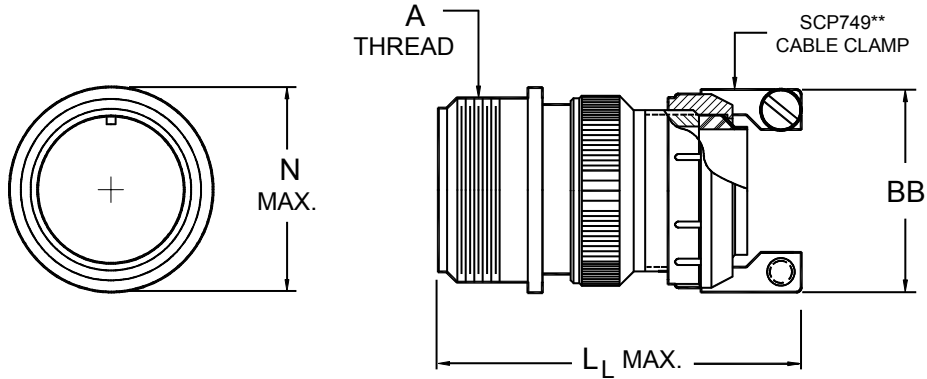
DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.
* CONSULT FACTORY

SCP3101K

MIL-DTL-5015 SERIES I SOLDER OR CRIMP (F80) CONTACTS

SCP01L

IN-LINE RECEPTACLE

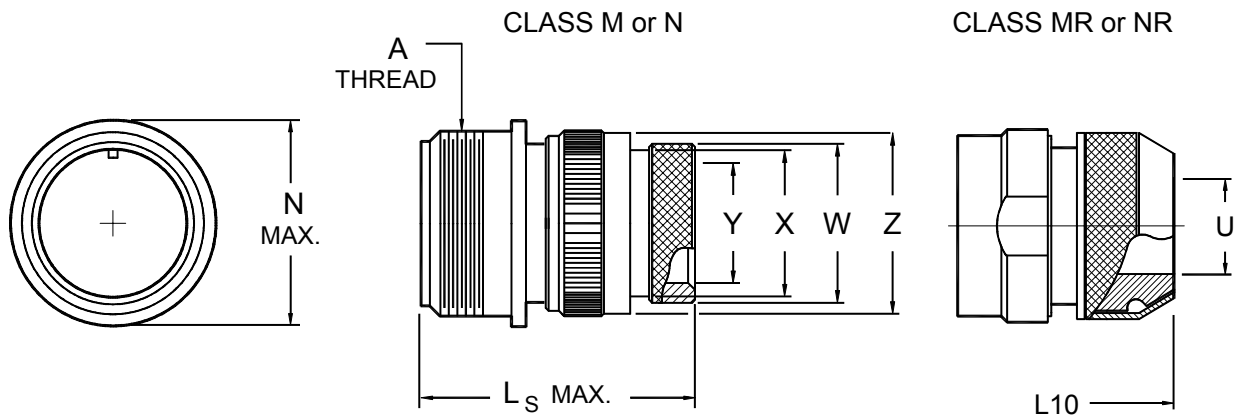


SHELL SIZE	A COUPLING THREAD CLASS 2A	BB MAX.	L _L MAX.	N MAX.	CABLE CLAMP
8S	1/2-28 UNEF	.807 [20.50]	2.225 [56.52]	.844 [21.44]	SCP74908-*
10S	5/8-24 UNEF	.807 [20.50]	2.300 [58.42]	.969 [24.61]	SCP74910-*
10SL	5/8-24 UNEF	.901 [22.89]	2.300 [58.42]	1.062 [26.97]	SCP74911-*
12	3/4-20 UNEF	.901 [22.89]	2.900 [73.66]	1.062 [26.97]	SCP74912-*
12S	3/4-20 UNEF	.901 [22.89]	2.500 [63.50]	1.062 [26.97]	SCP74913-*
14	7/8-20 UNEF	1.026 [26.06]	2.900 [73.66]	1.156 [29.36]	SCP74914-*
14S	7/8-20 UNEF	1.026 [26.06]	2.500 [63.50]	1.156 [29.36]	SCP74915-*
16	1-20 UNEF	1.119 [28.42]	2.900 [73.66]	1.250 [31.75]	SCP74916-*
16S	1-20 UNEF	1.119 [28.42]	2.500 [63.50]	1.250 [31.75]	SCP74917-*
18	1 1/8-18 UNEF	1.229 [31.22]	2.900 [73.66]	1.344 [34.14]	SCP74918-*
20	1 1/4-18 UNEF	1.479 [37.57]	3.000 [76.20]	1.496 [38.00]	SCP74920-*
22	1 3/8-18 UNEF	1.479 [37.57]	3.000 [76.20]	1.594 [40.49]	SCP74922-*
24	1 1/2-18 UNEF	1.666 [42.32]	3.250 [82.55]	1.719 [43.66]	SCP74924-*
28	1 3/4-18 UNS	1.666 [42.32]	3.250 [82.55]	1.969 [50.01]	SCP74928-*
32	2-18 UNS	2.135 [54.23]	3.600 [91.44]	2.219 [56.36]	SCP74932-*
36	2 1/4-16 UN	2.260 [57.40]	3.600 [91.44]	2.469 [62.71]	SCP74936-*
40	2 1/2-16 UN	2.510 [63.75]	3.900 [99.06]	2.719 [69.06]	SCP74940-*
44	2 3/4-16 UN	2.812 [71.42]	4.000 [101.60]	2.969 [75.41]	SCP74944-*
48	3-16 UN	3.312 [84.12]	4.225 [107.32]	3.219 [81.76]	SCP74948-*

DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.

SCP3101L

SCP01M or N SCP01MR or NR IN-LINE RECEPTACLE WITH SHRINK BOOT ADAPTER



SHELL SIZE	A COUPLING THREAD CLASS 2A	L _S MAX.	L ₁₀ MAX.	N MAX.	U MAX.	W ±.008 [±0.20]	X MAX.	Y ±.004 [±0.10]	Z ±.008 [±0.20]
8S	1/2-28 UNEF	-	Consult Sales	.844 [21.44]	Consult Sales	-	-	-	-
10S	5/8-24 UNEF	2.140 [54.36]	Consult Sales	.969 [24.61]	Consult Sales	.605 [15.37]	.524 [13.30]	.311 [7.90]	.734 [18.64]
10SL	5/8-24 UNEF	2.140 [54.36]	2.047 [52.20]	1.062 [26.97]	.338 [8.60]	.605 [15.37]	.524 [13.30]	.311 [7.90]	.734 [18.64]
12	3/4-20 UNEF	2.612 [66.34]	2.480 [63.30]	1.062 [26.97]	.378 [9.60]	.774 [19.66]	.524 [13.30]	.311 [7.90]	.858 [21.79]
12S	3/4-20 UNEF	2.140 [54.36]	2.047 [52.20]	1.062 [26.97]	.378 [9.60]	.774 [19.66]	.524 [13.30]	.311 [7.90]	.858 [21.79]
14	7/8-20 UNEF	2.612 [66.34]	2.480 [63.30]	1.156 [29.36]	.417 [10.60]	.838 [21.29]	.669 [17.00]	.425 [10.80]	.984 [24.99]
14S	7/8-20 UNEF	2.140 [54.36]	2.047 [52.20]	1.156 [29.36]	.417 [10.60]	.838 [21.29]	.669 [17.00]	.425 [10.80]	.984 [24.99]
16	1-20 UNEF	2.612 [66.34]	2.480 [63.30]	1.250 [31.75]	.531 [13.50]	.963 [24.46]	.862 [21.90]	.539 [13.70]	1.112 [28.24]
16S	1-20 UNEF	2.140 [54.36]	2.134 [54.20]	1.250 [31.75]	.531 [13.50]	.963 [24.46]	.862 [21.90]	.539 [13.70]	1.112 [28.24]
18	1 1/8-18 UNEF	2.612 [66.34]	2.540 [64.50]	1.344 [34.14]	.575 [14.60]	1.042 [26.47]	.885 [22.48]	.583 [14.80]	1.218 [30.94]
20	1 1/4-18 UNEF	2.809 [71.35]	2.540 [64.50]	1.496 [38.00]	.728 [18.50]	1.217 [30.91]	1.039 [26.39]	.744 [18.90]	1.345 [34.16]
22	1 3/8-18 UNEF	2.809 [71.35]	2.540 [64.50]	1.594 [40.49]	.819 [20.80]	1.355 [34.42]	1.129 [28.68]	.827 [21.00]	1.468 [37.29]
24	1 1/2-18 UNEF	2.809 [71.35]	2.567 [65.20]	1.719 [43.66]	.969 [24.60]	1.433 [36.40]	1.247 [31.67]	.976 [24.80]	1.593 [40.46]
28	1 3/4-18 UNS	2.809 [71.35]	2.567 [65.20]	1.969 [50.01]	1.063 [27.00]	1.709 [43.41]	1.409 [35.79]	1.071 [27.20]	1.969 [50.01]
32	2-18 UNS	3.006 [76.35]	2.630 [66.80]	2.219 [56.36]	1.131 [33.30]	1.919 [48.74]	1.692 [42.98]	1.319 [33.50]	2.219 [56.36]
36	2 1/4-16 UN	3.203 [81.36]	2.630 [66.80]	2.469 [62.71]	1.516 [38.50]	2.169 [55.09]	1.948 [49.48]	1.524 [38.70]	2.469 [62.71]
40	2 1/2-16 UN	3.281 [83.34]	2.630 [66.80]	2.719 [69.06]	1.811 [46.00]	2.402 [61.01]	2.184 [55.47]	1.898 [48.20]	2.719 [69.06]

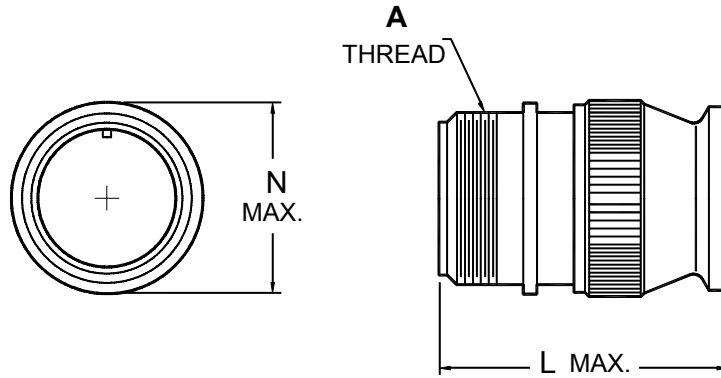
DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.

SCP3101S

MIL-DTL-5015 SERIES I SOLDER OR CRIMP (F80) CONTACTS

SCP01R

IN-LINE RECEPTACLE



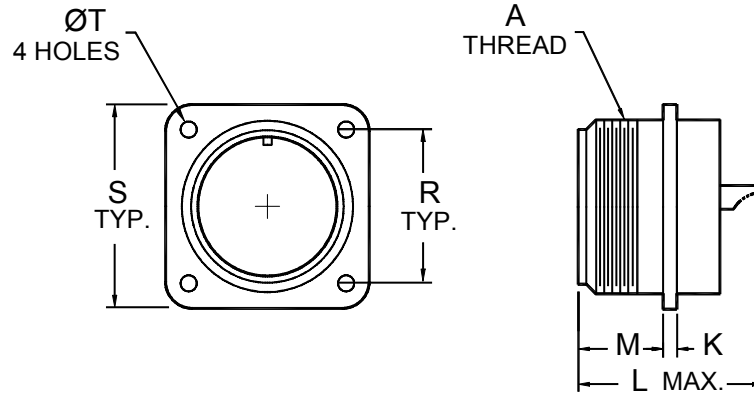
SHELL SIZE	A COUPLING THREAD CLASS 2A	L MAX.	N MAX.
8S	1/2-28 UNEF	1.838 [46.69]	.844 [21.44]
10S	5/8-24 UNEF	1.838 [46.69]	.969 [24.61]
10SL	5/8-24 UNEF	1.838 [46.69]	1.062 [26.97]
12	3/4-20 UNEF	2.181 [55.40]	1.062 [26.97]
12S	3/4-20 UNEF	1.838 [46.69]	1.062 [26.97]
14	7/8-20 UNEF	2.181 [55.40]	1.156 [29.36]
14S	7/8-20 UNEF	1.838 [46.69]	1.156 [29.36]
16	1-20 UNEF	2.181 [55.40]	1.281 [32.54]
16S	1-20 UNEF	1.838 [46.69]	1.281 [32.54]
18	1 1/8-18 UNEF	2.281 [57.94]	1.344 [34.14]
20	1 1/4-18 UNEF	2.281 [57.94]	1.500 [38.10]
22	1 3/8-18 UNEF	2.281 [57.94]	1.625 [41.27]
24	1 1/2-18 UNEF	2.281 [57.94]	1.750 [44.45]
28	1 3/4-18 UNS	2.281 [57.94]	2.000 [50.80]
32	2-18 UNS	2.322 [58.98]	2.250 [57.15]
36	2 1/4-16 UN	2.322 [58.98]	2.500 [63.50]
40	2 1/2-16 UN	2.322 [58.98]	2.750 [69.85]

DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.

SCP01R

SCP02Y,Z

BOX MOUNT RECEPTACLE



SHELL SIZE	A COUPLING THREAD CLASS 2A	K		L MAX.	M +.031 -.000 [+0.79] [-0.00]	R ±.005 [±0.13]	S ±.031 [±0.79]	T +.010 -.005 [+0.25] [-0.13]
		MAX.	MIN.					
8S	1/2-28 UNEF	.156 [3.96]	.062 [1.57]	1.219 [30.96]	.562 [14.27]	.594 [15.09]	.875 [22.22]	.120 [3.05]
10S	5/8-24 UNEF	.156 [3.96]	.062 [1.57]	1.219 [30.96]	.562 [14.27]	.719 [18.26]	1.000 [25.40]	.120 [3.05]
10SL	5/8-24 UNEF	.156 [3.96]	.062 [1.57]	1.219 [30.96]	.562 [14.27]	.719 [18.26]	1.000 [25.40]	.120 [3.05]
12	3/4-20 UNEF	.156 [3.96]	.062 [1.57]	1.625 [41.28]	.750 [19.05]	.812 [20.62]	1.094 [27.79]	.120 [3.05]
12S	3/4-20 UNEF	.156 [3.96]	.062 [1.57]	1.219 [30.96]	.562 [14.27]	.812 [20.62]	1.094 [27.79]	.120 [3.05]
14	7/8-20 UNEF	.156 [3.96]	.062 [1.57]	1.625 [41.28]	.750 [19.05]	.906 [23.01]	1.188 [30.18]	.120 [3.05]
14S	7/8-20 UNEF	.156 [3.96]	.062 [1.57]	1.219 [30.96]	.562 [14.27]	.906 [23.01]	1.188 [30.18]	.120 [3.05]
16	1-20 UNEF	.156 [3.96]	.062 [1.57]	1.625 [41.28]	.750 [19.05]	.969 [24.61]	1.281 [32.54]	.120 [3.05]
16S	1-20 UNEF	.156 [3.96]	.062 [1.57]	1.219 [30.96]	.562 [14.27]	.969 [24.61]	1.281 [32.54]	.120 [3.05]
18	1 1/8-18 UNEF	.203 [5.16]	.094 [2.39]	1.938 [49.23]	.750 [19.05]	1.062 [26.97]	1.375 [34.92]	.120 [3.05]
20	1 1/4-18 UNEF	.203 [5.16]	.094 [2.39]	1.938 [49.23]	.750 [19.05]	1.156 [29.36]	1.500 [38.10]	.120 [3.05]
22	1 3/8-18 UNEF	.203 [5.16]	.094 [2.39]	1.938 [49.23]	.750 [19.05]	1.250 [31.75]	1.625 [41.27]	.120 [3.05]
24	1 1/2-18 UNEF	.203 [5.16]	.094 [2.39]	1.938 [49.23]	.812 [20.62]	1.375 [34.92]	1.750 [44.45]	.147 [3.73]
28	1 3/4-18 UNS	.203 [5.16]	.094 [2.39]	1.938 [49.23]	.812 [20.62]	1.562 [39.67]	2.000 [50.80]	.147 [3.73]
32	2-18 UNS	.359 [9.12]	.125 [3.17]	1.938 [49.23]	.875 [22.22]	1.750 [44.45]	2.250 [57.15]	.173 [4.39]
36	2 1/4-16 UN	.359 [9.12]	.125 [3.17]	1.938 [49.23]	.875 [22.22]	1.983 [50.37]	2.500 [63.50]	.173 [4.39]
40	2 1/2-16 UN	.359 [9.12]	.125 [3.17]	1.938 [49.23]	.875 [22.22]	2.188 [55.58]	2.750 [69.85]	.173 [4.39]

DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.

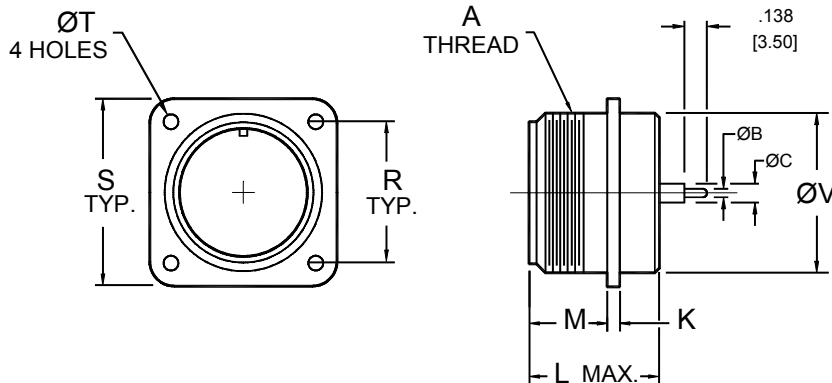
1B010

MIL-DTL-5015 SERIES I SOLDER OR CRIMP (F80) CONTACTS

SCP09

BOX MOUNT RECEPTACLE

PC TAIL TERMINATION



AVAILABLE CONTACT	ØB +.000 -.002 [+0.00] [-0.05]	ØC +.000 -.004 [+0.00] [-0.10]
16S & 16	.030 [0.75]	.063 [1.60]
12	.071 [1.80]	.134 [3.40]

CONNECTORS ARE AVAILABLE ONLY WITH ARRANGEMENTS HAVING CONTACT SIZES 16S, 16 & 12. FOR DIFFERENT CONTACT SIZES CONSULT FACTORY.

SHELL SIZE	A COUPLING THREAD CLASS 2A	K ±.008 [±0.20]	L MAX.	M +.031 -.000 [+0.79] [-0.00]	R ±.005 [±0.13]	S ±.031 [±0.79]	T +.010 -.005 [+0.25] [-0.13]	ØV MAX.
8S	1/2-28 UNEF	.110 [2.80]	.984 [25.00]	.562 [14.27]	.594 [15.09]	.875 [22.22]	.120 [3.05]	.374 [9.50]
10S	5/8-24 UNEF	.110 [2.80]	.984 [25.00]	.562 [14.27]	.719 [18.26]	1.000 [25.40]	.120 [3.05]	.512 [13.00]
10SL	5/8-24 UNEF	.110 [2.80]	.984 [25.00]	.562 [14.27]	.719 [18.26]	1.000 [25.40]	.120 [3.05]	.634 [16.10]
12	3/4-20 UNEF	.110 [2.80]	1.343 [34.10]	.750 [19.05]	.812 [20.62]	1.094 [27.79]	.120 [3.05]	.634 [16.10]
12S	3/4-20 UNEF	.110 [2.80]	.984 [25.00]	.562 [14.27]	.812 [20.62]	1.094 [27.79]	.120 [3.05]	.634 [16.10]
14	7/8-20 UNEF	.110 [2.80]	1.343 [34.10]	.750 [19.05]	.906 [23.01]	1.188 [30.18]	.120 [3.05]	.760 [19.30]
14S	7/8-20 UNEF	.126 [3.20]	.984 [25.00]	.562 [14.27]	.906 [23.01]	1.188 [30.18]	.120 [3.05]	.760 [19.30]
16	1-20 UNEF	.126 [3.20]	1.343 [34.10]	.750 [19.05]	.969 [24.61]	1.281 [32.54]	.120 [3.05]	.882 [22.40]
16S	1-20 UNEF	.126 [3.20]	.984 [25.00]	.562 [14.27]	.969 [24.61]	1.281 [32.54]	.120 [3.05]	.882 [22.40]
18	1 1/8-18 UNEF	.157 [4.00]	1.343 [34.10]	.750 [19.05]	1.062 [26.97]	1.375 [34.92]	.120 [3.05]	1.008 [25.60]
20	1 1/4-18 UNEF	.157 [4.00]	1.343 [34.10]	.750 [19.05]	1.156 [29.36]	1.500 [38.10]	.120 [3.05]	1.142 [29.00]
22	1 3/8-18 UNEF	.157 [4.00]	1.343 [34.10]	.750 [19.05]	1.250 [31.75]	1.625 [41.27]	.120 [3.05]	1.268 [32.20]
24	1 1/2-18 UNEF	.157 [4.00]	1.417 [36.00]	.812 [20.62]	1.375 [34.92]	1.750 [44.45]	.147 [3.73]	1.390 [35.30]
28	1 3/4-18 UNS	.157 [4.00]	1.417 [36.00]	.812 [20.62]	1.562 [39.67]	2.000 [50.80]	.147 [3.73]	1.630 [41.40]
32	2-18 UNS	.157 [4.00]	1.480 [37.60]	.875 [22.22]	1.750 [44.45]	2.250 [57.15]	.173 [4.39]	1.882 [47.80]
36	2 1/4-16 UN	.157 [4.00]	1.480 [37.60]	.875 [22.22]	1.983 [50.37]	2.500 [63.50]	.173 [4.39]	2.130 [54.10]
40	2 1/2-16 UN	.157 [4.00]	1.480 [37.60]	.875 [22.22]	2.188 [55.58]	2.750 [69.85]	.173 [4.39]	2.323 [59.00]

DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.

SCP02ZMO

JAM NUT RECEPTACLE

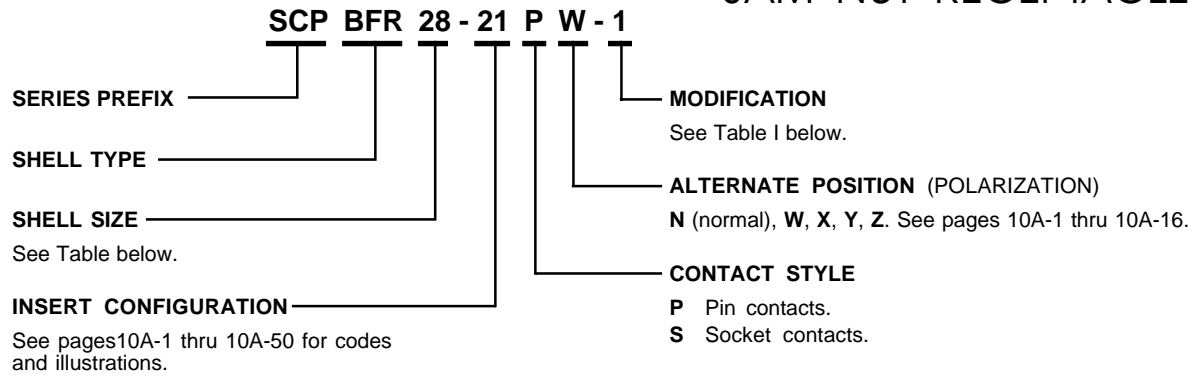
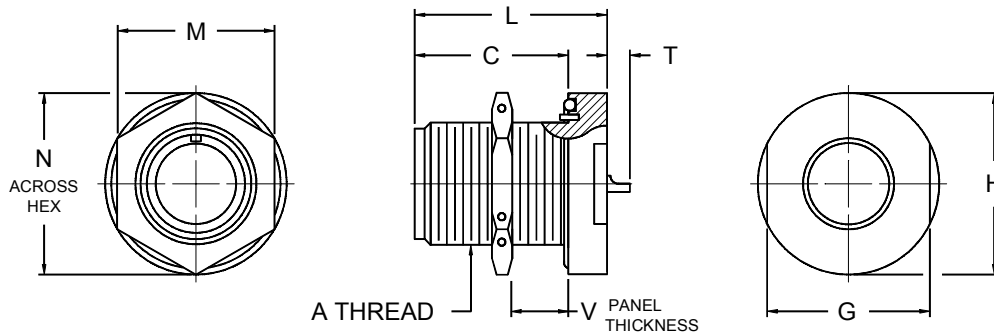


TABLE I. MODIFICATIONS

CODE	DESCRIPTION
-1	Basic part number
-3	Basic shell has 4 holes and no positioning pin
-4	Basic shell, no positioning pin and O-ring is Silicone
-5	Same as -1 except positioning pin is longer.
GE	Hex nut is replaced by spline nut.

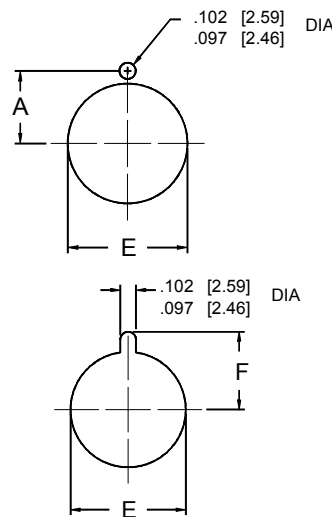


SHELL SIZE	A COUPLING THREAD CLASS 2A	C MAX.	G MAX.	H MAX.	L MAX.	M MAX.	N MAX.	V MAX.
10S	.625-24 UNEF	.853 [21.67]	1.015 [25.78]	1.203 [30.56]	1.087 [27.61]	.822 [20.88]	.960 [24.38]	.250 [6.35]
10SL	.625-24 UNEF	.853 [21.67]	1.015 [25.78]	1.203 [30.56]	1.087 [27.61]	.822 [20.88]	.960 [24.38]	.250 [6.35]
12S	.750-20 UNEF	.853 [21.67]	1.077 [27.36]	1.327 [33.71]	1.087 [27.61]	.955 [24.26]	1.110 [28.19]	.375 [9.52]
12	.750-20 UNEF	1.244 [31.60]	1.077 [27.36]	1.327 [33.71]	1.525 [38.74]	.947 [24.05]	1.110 [28.19]	.375 [9.52]
14S	.875-20 UNEF	.853 [21.67]	1.203 [30.56]	1.453 [36.91]	1.087 [27.61]	1.072 [27.23]	1.250 [31.75]	.375 [9.52]
14	.875-20 UNEF	1.244 [31.60]	1.203 [30.56]	1.453 [36.91]	1.525 [38.74]	1.072 [27.23]	1.250 [31.75]	.375 [9.52]
16S	1.000-20 UNEF	.853 [21.67]	1.327 [33.71]	1.577 [40.06]	1.087 [27.61]	1.265 [32.13]	1.460 [37.08]	.375 [9.52]
16	1.000-20 UNEF	1.244 [31.60]	1.327 [33.71]	1.577 [40.06]	1.525 [38.74]	1.265 [32.13]	1.460 [37.08]	.375 [9.52]
18	1.125-18 UNEF	1.244 [31.60]	1.453 [36.91]	1.703 [43.26]	1.525 [38.74]	1.395 [35.43]	1.610 [40.89]	.375 [9.52]
20	1.250-18 UNEF	1.244 [31.60]	1.577 [40.06]	1.827 [46.41]	1.525 [38.74]	1.515 [38.48]	1.750 [44.45]	.375 [9.52]
22	1.375-18 UNEF	1.244 [31.60]	1.577 [40.06]	1.953 [49.61]	1.525 [38.74]	1.635 [41.53]	1.900 [48.26]	.375 [9.52]
24	1.500-18 UNEF	1.244 [31.60]	1.827 [46.41]	2.077 [52.76]	1.525 [38.74]	1.765 [44.83]	2.030 [51.56]	.375 [9.52]
28	1.750-18 UNS	1.244 [31.60]	1.953 [49.61]	2.327 [59.11]	1.525 [38.74]	2.015 [51.18]	2.330 [59.18]	.375 [9.52]
32	2.000-18 UNS	1.244 [31.60]	2.203 [55.96]	2.577 [65.46]	1.525 [38.74]	2.205 [56.01]	2.550 [64.77]	.375 [9.52]
36	2.250-16 UN	1.244 [31.60]	2.577 [65.46]	2.827 [71.81]	1.525 [38.74]	2.455 [62.36]	2.840 [72.14]	.312 [7.92]

DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.

SHELL SIZE	T MAX. SOLDER POT EXT.				
	#16	#12	#8	#4	#0
8S-16S	.140 [3.56]	-	-	-	-
12 THRU 36	.062 [1.57]	.062 [1.57]	.125 [3.18]	.125 [3.18]	.359 [9.12]

MOUNTING DIMENSIONS

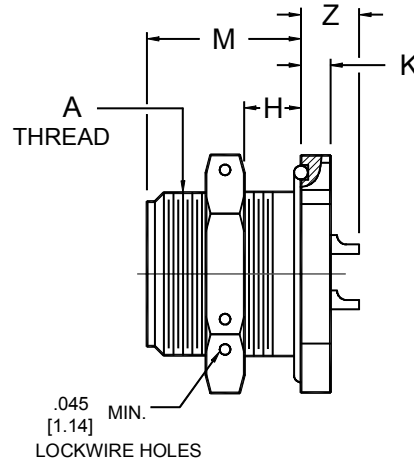
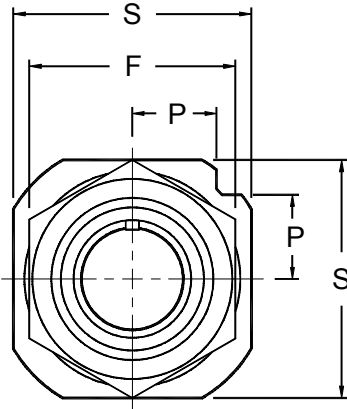


SHELL SIZE	A ±.005 [±0.13]	E +.015 -.000 [+0.38] [-0.00]	F ±.005 [±0.13]
8S	.323 [8.20]	.500 [12.70]	.373 [9.47]
10S,10SL	.385 [9.78]	.625 [15.88]	.435 [11.05]
12S,12	.448 [11.38]	.750 [19.05]	.498 [12.65]
14S,14	.510 [12.95]	.875 [22.23]	.560 [14.22]
16S,16	.573 [14.55]	1.000 [25.40]	.623 [15.82]
18	.635 [16.13]	1.125 [28.58]	.685 [17.40]
20	.698 [17.73]	1.250 [31.75]	.748 [19.00]
22	.760 [19.30]	1.375 [34.93]	.810 [20.57]
24	.823 [20.90]	1.500 [38.10]	.873 [22.17]
28	.948 [24.08]	1.750 [44.45]	.998 [25.35]
32	1.073 [27.25]	2.000 [50.80]	1.123 [28.52]
36	1.198 [30.43]	2.250 [57.15]	1.248 [31.70]

SCPBFRX

SCP03Y,Z SCP873*-*

JAM NUT RECEPTACLE



SHELL SIZE	A COUPLING THREAD CLASS 2A	F ±.016 [±0.41]	H PANEL THICKNESS		K ±.005 [±0.13]	M ±.010 [±0.25]	P ±.010 [±0.25]	S ±.010 [±0.25]	Z ±.045 [±1.14]
			MIN.	MAX.					
8S	1/2-28 UNEF	.688 [17.48]	0.00 [0.00]	.204 [5.18]	.156 [3.96]	.812 [20.62]	.309 [7.85]	.875 [22.23]	.281 [7.14]
10S	5/8-24 UNEF	.812 [20.62]	0.00 [0.00]	.204 [5.18]	.156 [3.96]	.812 [20.62]	.354 [8.99]	1.000 [25.40]	.281 [7.14]
10SL	5/8-24 UNEF	.812 [20.62]	0.00 [0.00]	.204 [5.18]	.156 [3.96]	.812 [20.62]	.354 [8.99]	1.000 [25.40]	.281 [7.14]
12S	3/4-20 UNEF	.938 [23.83]	0.00 [0.00]	.204 [5.18]	.156 [3.96]	.812 [20.62]	.397 [10.08]	1.125 [28.58]	.281 [7.14]
12	3/4-20 UNEF	.938 [23.83]	0.00 [0.00]	.329 [8.36]	.156 [3.96]	1.188 [30.18]	.397 [10.08]	1.125 [28.58]	.344 [8.74]
14S	7/8-20 UNEF	1.062 [26.97]	0.00 [0.00]	.142 [3.61]	.156 [3.96]	.812 [20.62]	.442 [11.23]	1.250 [31.75]	.281 [7.14]
14	7/8-20 UNEF	1.062 [26.97]	0.00 [0.00]	.267 [6.78]	.156 [3.96]	1.188 [30.18]	.442 [11.23]	1.250 [31.75]	.344 [8.74]
16S	1-20 UNEF	1.250 [31.75]	0.00 [0.00]	.142 [3.61]	.156 [3.96]	.812 [20.62]	.486 [12.34]	1.375 [34.93]	.281 [7.14]
16	1-20 UNEF	1.250 [31.75]	0.00 [0.00]	.267 [6.78]	.156 [3.96]	1.188 [30.18]	.486 [12.34]	1.375 [34.93]	.344 [8.74]
18	1 1/8-18 UNEF	1.312 [33.32]	0.00 [0.00]	.235 [5.97]	.188 [4.78]	1.156 [29.36]	.575 [14.61]	1.625 [41.28]	.375 2 [9.52]
20	1 1/4-18 UNEF	1.500 [38.10]	0.00 [0.00]	.235 [5.97]	.188 [4.78]	1.156 [29.36]	.619 [15.72]	1.750 [44.45]	.375 2 [9.52]
22	1 3/8-18 UNEF	1.562 [39.67]	0.00 [0.00]	.235 [5.97]	.188 [4.78]	1.156 [29.36]	.663 [16.84]	1.875 [47.63]	.375 2 [9.52]
24	1 1/2-18 UNEF	1.750 [44.45]	0.00 [0.00]	.298 [7.57]	.188 [4.78]	1.219 [30.96]	.707 [17.96]	2.000 [50.80]	.312 2 [7.92]
28	1 3/4-18 UNS	2.000 [50.80]	0.00 [0.00]	.298 [7.57]	.188 [4.78]	1.219 [30.96]	.795 [20.19]	2.250 [57.15]	.312 2 [7.92]
32	2-18 UNS	2.188 [55.58]	0.00 [0.00]	.329 [8.36]	.219 [5.56]	1.250 [31.75]	.884 [22.45]	2.500 [63.50]	.281 2 [7.14]
36	2 1/4-16 UN	2.438 [61.93]	0.00 [0.00]	.298 [7.57]	.219 [5.56]	1.250 [31.75]	.972 [24.69]	2.750 [69.85]	.281 2 [7.14]
40	2 1/2-16 UN	2.812 [71.42]	0.00 [0.00]	.298 [7.57]	.219 [5.56]	1.250 [31.75]	1.060 [26.92]	3.000 [76.20]	.281 2 [7.14]

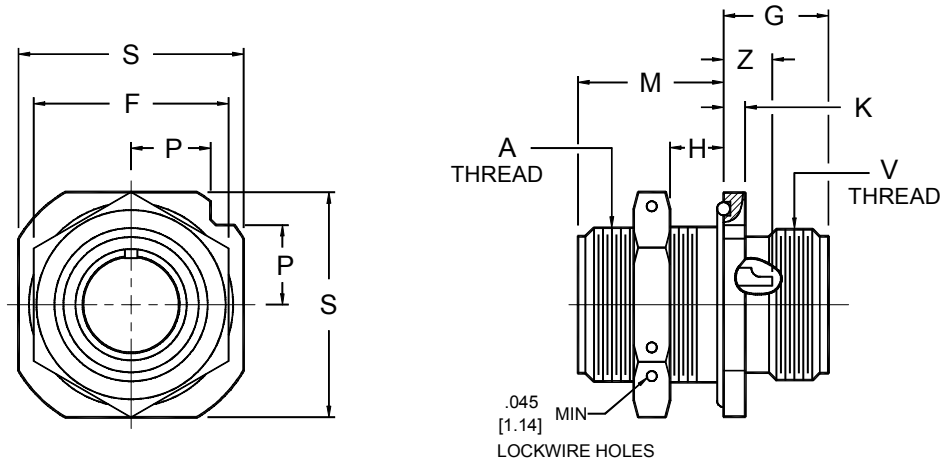
1. DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.

2. INCREASE Z DIMENSION BY .312 [7.92] FOR SIZE "0" CONTACT ONLY.

SCP3104E

SCP04U SCP874* - *

JAM NUT RECEPTACLE



SHELL SIZE	A COUPLING THREAD CLASS 2A	F ±.016 [±0.41]	G ±.015 [±0.38]	H PANEL THICKNESS		K ±.005 [±0.13]	M ±.010 [±0.25]	P ±.010 [±0.25]	S ±.010 [±0.25]	V THREAD CLASS 2A	Z ±.045 [±1.14]
				MIN.	MAX.						
10S	5/8-24 UNEF	.812 [20.62]	.525 [13.34]	0.00 [0.00]	.197 [5.00]	.125 [3.18]	.806 [20.47]	.354 [8.99]	1.000 [25.40]	1/2-28 UNEF	.288 [7.32]
10SL	5/8-24 UNEF	.812 [20.62]	.525 [13.34]	0.00 [0.00]	.197 [5.00]	.125 [3.18]	.806 [20.47]	.354 [8.99]	1.000 [25.40]	5/8-24 UNEF	.288 [7.32]
12S	3/4-20 UNEF	.938 [23.83]	.525 [13.34]	0.00 [0.00]	.197 [5.00]	.125 [3.18]	.806 [20.47]	.397 [10.08]	1.125 [28.58]	5/8-24 UNEF	.288 [7.32]
12	3/4-20 UNEF	.938 [23.83]	.713 [18.11]	0.00 [0.00]	.197 [5.00]	.125 [3.18]	1.055 [26.80]	.397 [10.08]	1.125 [28.58]	5/8-24 UNEF	.477 [12.12]
14S	7/8-20 UNEF	1.062 [26.97]	.525 [13.34]	0.00 [0.00]	.199 [5.05]	.125 [3.18]	.869 [22.07]	.442 [11.23]	1.250 [31.75]	3/4-20 UNEF	.225 [5.72]
14	7/8-20 UNEF	1.062 [26.97]	.713 [18.11]	0.00 [0.00]	.134 [3.40]	.125 [3.18]	1.055 [26.80]	.442 [11.23]	1.250 [31.75]	3/4-20 UNEF	.477 [12.12]
16S	1-20 UNEF	1.250 [31.75]	.525 [13.34]	0.00 [0.00]	.199 [5.05]	.125 [3.18]	.869 [22.07]	.486 [12.34]	1.375 [34.93]	7/8-20 UNEF	.225 [5.72]
16	1-20 UNEF	1.250 [31.75]	.713 [18.11]	0.00 [0.00]	.134 [3.40]	.125 [3.18]	1.055 [26.80]	.486 [12.34]	1.375 [34.93]	7/8-20 UNEF	.477 [12.12]
18	1 1/8-18 UNEF	1.312 [33.32]	.729 [18.52]	0.00 [0.00]	.134 [3.40]	.156 [3.96]	1.055 [26.80]	.575 [14.61]	1.625 [41.28]	1-20 UNEF	.477 [12.12]
20	1 1/4-18 UNEF	1.500 [38.10]	.729 [18.52]	0.00 [0.00]	.134 [3.40]	.156 [3.96]	1.055 [26.80]	.619 [15.72]	1.750 [44.45]	1 1/8-18 UNEF	.477 [12.12]
22	1 3/8-18 UNEF	1.562 [39.67]	.729 [18.52]	0.00 [0.00]	.134 [3.40]	.156 [3.96]	1.055 [26.80]	.663 [16.84]	1.875 [47.63]	1 1/4-18 UNEF	.477 [12.12]
24	1 1/2-18 UNEF	1.750 [44.45]	.745 [18.92]	0.00 [0.00]	.167 [4.24]	.172 [4.37]	1.088 [27.64]	.707 [17.96]	2.000 [50.80]	1 3/8-18 UNEF	.443 [11.25]
28	1 3/4-18 UNS	2.000 [50.80]	.745 [18.92]	0.00 [0.00]	.167 [4.24]	.172 [4.37]	1.088 [27.64]	.795 [20.19]	2.250 [57.15]	1 5/8-18 UNEF	.443 [11.25]
32	2-18 UNS	2.188 [55.58]	.761 [19.33]	0.00 [0.00]	.135 [3.43]	.188 [4.78]	1.056 [26.82]	.884 [22.45]	2.500 [63.50]	1 7/8-16 UNEF	.477 [12.12]
36	2 1/4-16 UN	2.438 [61.93]	.761 [19.33]	0.00 [0.00]	.166 [4.22]	.188 [4.78]	1.118 [28.40]	.972 [24.69]	2.750 [69.85]	2 1/16-16 UN	.414 [10.52]
40	2 1/2-16 UN	2.812 [71.42]	.761 [19.33]	0.00 [0.00]	.166 [4.22]	.188 [4.78]	1.118 [28.40]	1.060 [26.92]	3.000 [76.20]	2 5/16-16 UN	.414 [10.52]

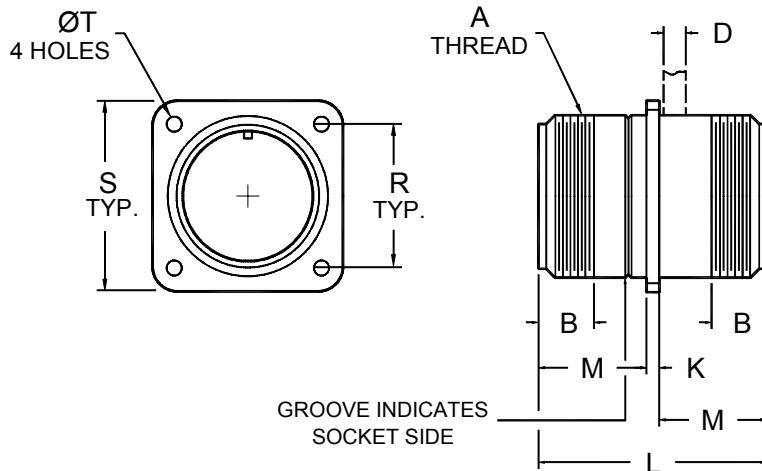
1. DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.

2. INSERT ARRANGEMENTS CONTAINING 0, 4 AND 8 CONTACTS ARE NOT AVAILABLE.

SCP04C

TBF

THRU-BULKHEAD RECEPTACLE



SHELL SIZE	A COUPLING THREAD CLASS 2A	B MIN. FULL THD.	D MAX. PANEL THICK- NESS	K REF.	L ±.015 [±0.38]	M +.000 -.010 [+0.00] [-0.25]	R ±.005 [±0.13]	S ±.020 [±0.51]	T +.004 -.002 [+0.10] [-0.05]
8S	.500-28 UNEF	.406 [10.31]	.266 [6.76]	.141 [3.58]	1.563 [39.70]	.711 [18.06]	.594 [15.09]	.875 [22.22]	.120 [3.05]
10S	.625-24 UNEF	.406 [10.31]	.266 [6.76]	.141 [3.58]	1.563 [39.70]	.711 [18.06]	.719 [18.26]	1.000 [25.40]	.120 [3.05]
10SL	.625-24 UNEF	.406 [10.31]	.266 [6.76]	.141 [3.58]	1.563 [39.70]	.711 [18.06]	.719 [18.26]	1.000 [25.40]	.120 [3.05]
12S	.750-20 UNEF	.406 [10.31]	.266 [6.76]	.141 [3.58]	1.563 [39.70]	.711 [18.06]	.812 [20.62]	1.094 [27.79]	.120 [3.05]
12	.750-20 UNEF	.625 [15.88]	.312 [7.92]	.155 [3.94]	2.125 [53.98]	.985 [25.02]	.812 [20.62]	1.094 [27.79]	.120 [3.05]
14S	.875-20 UNEF	.406 [10.31]	.266 [6.76]	.141 [3.58]	1.563 [39.70]	.711 [18.06]	.906 [23.01]	1.188 [30.18]	.120 [3.05]
14	.875-20 UNEF	.625 [15.88]	.312 [7.92]	.155 [3.94]	2.125 [53.98]	.985 [25.02]	.906 [23.01]	1.188 [30.18]	.120 [3.05]
16S	1.000-20 UNEF	.406 [10.31]	.266 [6.76]	.141 [3.58]	1.563 [39.70]	.711 [18.06]	.969 [24.61]	1.281 [32.54]	.120 [3.05]
16	1.000-20 UNEF	.625 [15.88]	.312 [7.92]	.155 [3.94]	2.125 [53.98]	.985 [25.02]	.969 [24.61]	1.281 [32.54]	.120 [3.05]
18	1.125-18 UNEF	.625 [15.88]	.312 [7.92]	.155 [3.94]	2.125 [53.98]	.985 [25.02]	1.062 [26.97]	1.375 [34.92]	.120 [3.05]
20	1.250-18 UNEF	.625 [15.88]	.312 [7.92]	.155 [3.94]	2.125 [53.98]	.985 [25.02]	1.156 [29.36]	1.500 [38.10]	.120 [3.05]
22	1.375-18 UNEF	.625 [15.88]	.312 [7.92]	.155 [3.94]	2.125 [53.98]	.985 [25.02]	1.250 [31.75]	1.625 [41.27]	.120 [3.05]
24	1.500-18 UNEF	.625 [15.88]	.312 [7.92]	.155 [3.94]	2.125 [53.98]	.985 [25.02]	1.375 [34.92]	1.750 [44.45]	.147 [3.73]
28	1.750-18 UNS	.625 [15.88]	.312 [7.92]	.155 [3.94]	2.125 [53.98]	.985 [25.02]	1.562 [39.67]	2.000 [50.80]	.147 [3.73]
32	2.000-18 UNS	.625 [15.88]	.312 [7.92]	.155 [3.94]	2.125 [53.98]	.985 [25.02]	1.750 [44.45]	2.250 [57.15]	.173 [4.39]
36	2.250-16 UN	.625 [15.88]	.312 [7.92]	.155 [3.94]	2.125 [53.98]	.985 [25.02]	1.983 [50.37]	2.500 [63.50]	.173 [4.39]
40	2.500-16 UN	.625 [15.88]	.312 [7.92]	.155 [3.94]	2.125 [53.98]	.985 [25.02]	2.188 [55.58]	2.750 [69.85]	.173 [4.39]

DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.

SCPTBF

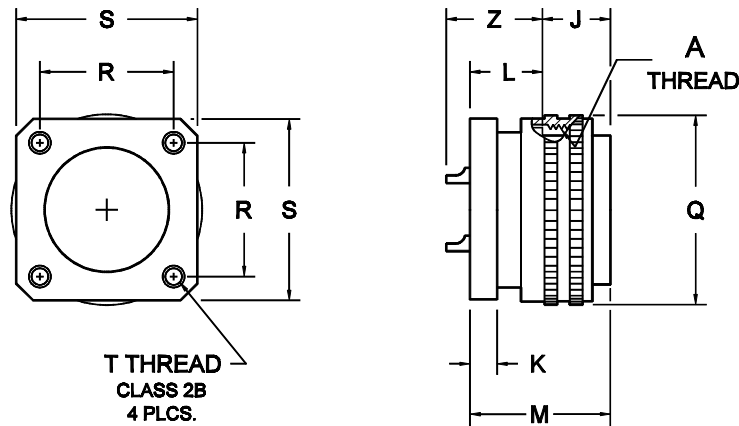
SCP05Z

(AMPHENOL 97-5105 "R1" DIMENSION)

SCP06PPFP

(VEAM VS2600 "R2" DIMENSION)

PANEL MOUNT PLUG



SHELL SIZE	A COUPLING THREAD CLASS 2B	J ±.005 [±0.13]	K ±.005 [±0.13]	L ±.020 [±0.51]	M REF.	Q DIA. MAX	R1 ±.005 [±0.13]	R2 ±.005 [±0.13]	S ±.020 [±0.51]	T THREAD CLASS 2B [+0.10] [-0.05]	Z ±.045 [±1.14]
8S	1/2-28 UNEF	.531 [13.49]	.125 [3.18]	.463 [11.76]	.994 [25.24]	.732 [18.59]	.562 [14.27]	.594 [15.09]	.781 [19.84]	4-40NC	.562 [14.27]
10S	5/8-24 UNEF	.531 [13.49]	.125 [3.18]	.463 [11.76]	.994 [25.24]	.844 [21.44]	.562 [14.27]	.719 [18.26]	.781 [19.84]	4-40NC	.562 [14.27]
10SL	5/8-24 UNEF	.531 [13.49]	.126 [3.20]	.463 [11.76]	.994 [25.24]	.946 [24.03]	.562 [14.27]	.719 [18.26]	.781 [19.84]	4-40NC	.562 [14.27]
12	3/4-20 UNEF	.719 [18.26]	.156 [3.96]	.650 [16.51]	1.369 [34.77]	.987 [25.07]	.812 [20.62]	.812 [20.62]	1.062 [26.97]	4-40NC	.812 [20.62]
12S	3/4-20 UNEF	.531 [13.49]	.156 [3.96]	.463 [11.76]	.994 [25.24]	.987 [25.07]	.812 [20.62]	.812 [20.62]	1.062 [26.97]	4-40NC	.562 [14.27]
14	7/8-20 UNEF	.719 [18.26]	.156 [3.96]	.650 [16.51]	1.369 [34.77]	1.114 [28.30]	.812 [20.62]	.906 [23.01]	1.062 [26.97]	4-40NC	.812 [20.62]
14S	7/8-20 UNEF	.531 [13.49]	.156 [3.96]	.463 [11.76]	.994 [25.24]	1.114 [28.30]	.812 [20.62]	.906 [23.01]	1.062 [26.97]	4-40NC	.562 [14.27]
16	1-20 UNEF	.719 [18.26]	.156 [3.96]	.650 [16.51]	1.369 [34.77]	1.226 [31.14]	1.000 [25.40]	.969 [24.61]	1.312 [33.32]	6-32NC	.812 [20.62]
16S	1-20 UNEF	.531 [13.49]	.156 [3.96]	.463 [11.76]	.994 [25.24]	1.226 [31.14]	1.000 [25.40]	.969 [24.61]	1.312 [33.32]	6-32NC	.562 [14.27]
18	1 1/8-18 UNEF	.719 [18.26]	.156 [3.96]	.650 [16.51]	1.369 [34.77]	1.353 [34.37]	1.000 [25.40]	1.062 [26.97]	1.312 [33.32]	6-32NC	.812 [20.62]
20	1 1/4-18 UNEF	.719 [18.26]	.188 [4.78]	.650 [16.51]	1.369 [34.77]	1.483 [37.67]	1.250 [31.75]	1.156 [29.36]	1.625 [41.28]	10-32NF	.812 [20.62]
22	1 3/8-18 UNEF	.719 [18.26]	.188 [4.78]	.650 [16.51]	1.369 [34.77]	1.608 [40.84]	1.250 [31.75]	1.250 [31.75]	1.625 [41.28]	10-32NF	.812 [20.62]
24	1 1/2-18 UNEF	.719 [18.26]	.188 [4.78]	.712 [18.08]	1.431 [36.34]	1.735 [44.07]	1.562 [39.67]	1.375 [34.92]	2.000 [50.80]	10-32NF	.812 [20.62]
28	1 3/4-18 UNS	.719 [18.26]	.188 [4.78]	.712 [18.08]	1.431 [36.34]	1.971 [50.06]	1.562 [39.67]	1.562 [39.67]	2.000 [50.80]	10-32NF	.812 [20.62]
32	2-18 UNS	.719 [18.26]	.250 [6.35]	.775 [19.68]	1.494 [37.94]	2.228 [56.59]	1.812 [46.02]	1.750 [44.45]	2.500 [63.50]	10-32NF	.812 [20.62]
36	2 1/4-16 UN	.719 [18.26]	.250 [6.35]	.775 [19.68]	1.494 [37.94]	2.483 [63.07]	1.812 [46.02]	1.937 [49.20]	2.500 [63.50]	10-32NF	.812 [20.62]
40	2 1/2-16 UN	.719 [18.26]	.250 [6.35]	.775 [19.68]	1.494 [37.94]	2.737 [69.52]	2.250 [57.15]	2.188 [55.58]	3.031 [76.99]	10-32NF	.812 [20.62]

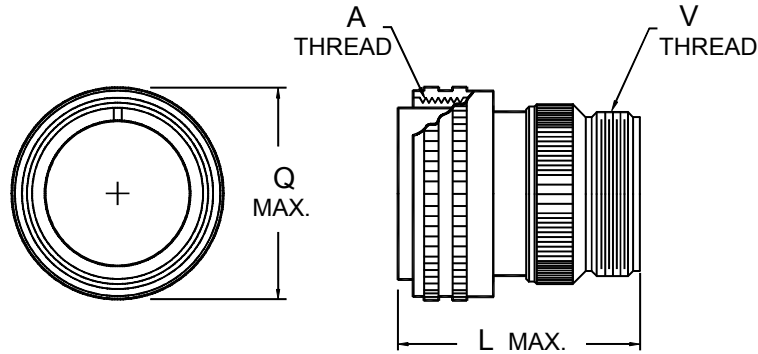
1. DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.

2. ALL LOCKWIRE HOLES .045 [1.14] DIA. MIN.

3. INCREASE Z DIMENSION, SO MARKED (*), BY .312 [7.92] FOR SIZE "O" CONTACT ONLY.

SCP05ZJ

SCP06A,B,C SCPG06A,B,C STRAIGHT PLUG

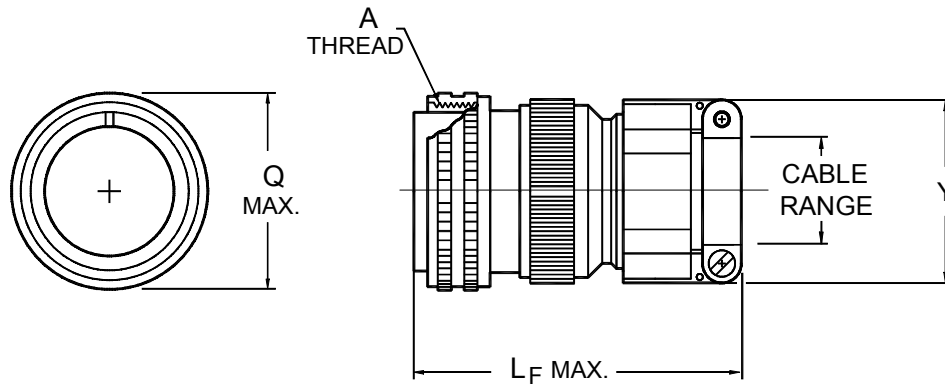


SHELL SIZE	A COUPLING THREAD CLASS 2B	L MAX.	Q MAX.	V ACCESSORY THREAD CLASS 2A
8S	1/2-28 UNEF	1.469 [37.31]	.844 [21.44]	1/2-28 UNEF
10S	5/8-24 UNEF	1.531 [38.89]	.969 [24.61]	1/2-28 UNEF
10SL	5/8-24 UNEF	1.531 [38.89]	.969 [24.61]	5/8-24 UNEF
12	3/4-20 UNEF	2.062 [52.37]	1.062 [26.97]	5/8-24 UNEF
12S	3/4-20 UNEF	1.688 [42.88]	1.062 [26.97]	5/8-24 UNEF
14	7/8-20 UNEF	2.062 [52.37]	1.156 [29.36]	3/4-20 UNEF
14S	7/8-20 UNEF	1.688 [42.88]	1.156 [29.36]	3/4-20 UNEF
16	1-20 UNEF	2.062 [52.37]	1.250 [31.75]	7/8-20 UNEF
16S	1-20 UNEF	1.688 [42.88]	1.250 [31.75]	7/8-20 UNEF
18	1 1/8-18 UNEF	2.062 [52.37]	1.344 [34.14]	1-20 UNEF
20	1 1/4-18 UNEF	2.188 [55.58]	1.469 [37.31]	1 3/16-18 UNEF
22	1 3/8-18 UNEF	2.188 [55.58]	1.594 [40.49]	1 3/16-18 UNEF
24	1 1/2-18 UNEF	2.312 [58.72]	1.719 [43.66]	1 7/16-18 UNEF
28	1 3/4-18 UNS	2.312 [58.72]	1.969 [50.01]	1 7/16-18 UNEF
32	2-18 UNS	2.438 [61.93]	2.219 [56.36]	1 3/4-18 UNS
36	2 1/4-16 UN	2.438 [61.93]	2.469 [62.71]	2-18 UNS
40	2 1/2-16 UN	2.438 [61.93]	2.719 [69.06]	2 1/4-16 UN
44	2 3/4-16 UN	2.562 [65.07]	3.000 [76.20]	2 1/2-16 UN
48	3-16 UN	2.562 [65.07]	3.250 [82.55]	3-16 UN

DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.

SCP3106A

SCP06D,F SCPG06D,F STRAIGHT PLUG



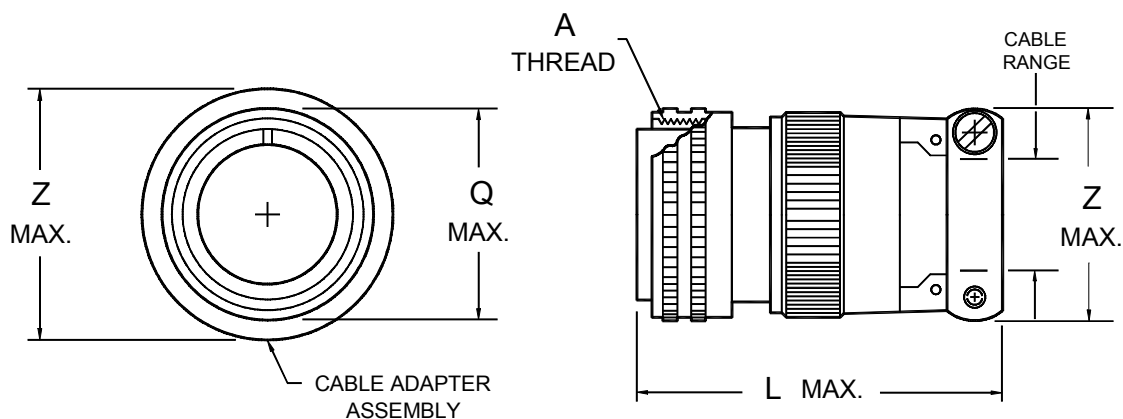
SHELL SIZE	A COUPLING THREAD CLASS 2B	L _F MAX.	Q MAX.	Y ±.020 [±0.51]	CABLE RANGE	
					OPEN	CLOSED
8S	1/2-28 UNEF	2.225 [56.52]	.844 [21.44]	.825 [20.96]	.250 [6.35]	.125 [3.18]
10S	5/8-24 UNEF	2.300 [58.42]	.969 [24.61]	.825 [20.96]	.250 [6.35]	.125 [3.18]
10SL	5/8-24 UNEF	2.300 [58.42]	.969 [24.61]	.938 [23.83]	.312 [7.92]	.125 [3.18]
12	3/4-20 UNEF	2.900 [73.66]	1.062 [26.97]	.938 [23.83]	.312 [7.92]	.125 [3.18]
12S	3/4-20 UNEF	2.500 [63.50]	1.062 [26.97]	.938 [23.83]	.312 [7.92]	.125 [3.18]
14	7/8-20 UNEF	2.900 [73.66]	1.156 [29.36]	1.125 [28.58]	.438 [11.13]	.250 [6.35]
14S	7/8-20 UNEF	2.500 [63.50]	1.156 [29.36]	1.125 [28.58]	.438 [11.13]	.250 [6.35]
16	1-20 UNEF	2.900 [73.66]	1.250 [31.75]	1.312 [33.32]	.562 [14.27]	.312 [7.92]
16S	1-20 UNEF	2.500 [63.50]	1.250 [31.75]	1.312 [33.32]	.562 [14.27]	.312 [7.92]
18	1 1/8-18 UNEF	2.900 [73.66]	1.344 [34.14]	1.312 [33.32]	.625 [15.88]	.350 [8.89]
20	1 1/4-18 UNEF	3.000 [76.20]	1.469 [37.31]	1.531 [38.89]	.750 [19.05]	.500 [12.70]
22	1 3/8-18 UNEF	3.000 [76.20]	1.594 [40.49]	1.531 [38.89]	.750 [19.05]	.500 [12.70]
24	1 1/2-18 UNEF	3.250 [82.55]	1.719 [43.66]	1.750 [44.45]	.938 [23.83]	.625 [15.88]
28	1 3/4-18 UNS	3.250 [82.55]	1.969 [50.01]	1.750 [44.45]	.938 [23.83]	.625 [15.88]
32	2-18 UNS	3.600 [91.44]	2.219 [56.36]	2.093 [53.16]	1.250 [31.75]	.875 [22.23]
36	2 1/4-16 UN	3.600 [91.44]	2.469 [62.71]	2.343 [59.51]	1.375 [34.93]	1.000 [25.40]
40	2 1/2-16 UN	3.900 [99.06]	2.719 [69.06]	2.750 [69.85]	1.625 [41.28]	1.250 [31.75]
44	2 3/4-16 UN	4.000 [101.60]	3.000 [76.20]	3.000 [76.20]	1.875 [47.63]	1.437 [36.50]
48	3-16 UN	4.225 [107.32]	3.250 [82.55]	3.530 [89.66]	2.375 [60.33]	1.650 [41.91]

DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.

SCP3106F

MIL-DTL-5015 SERIES I SOLDER OR CRIMP (F80) CONTACTS

SCP06E SCPG06E STRAIGHT PLUG

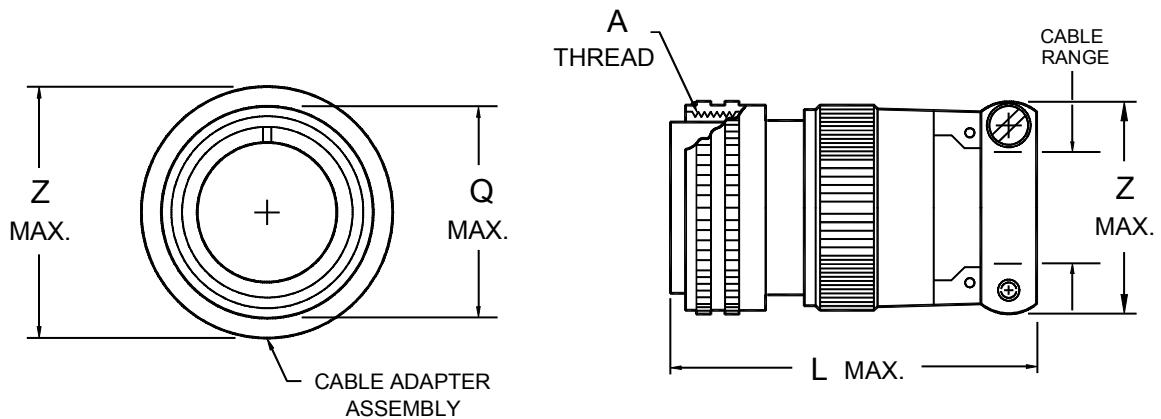


SHELL SIZE	A COUPLING THREAD CLASS 2B	L MAX.	Q MAX.	Z MAX.	CABLE RANGE	
					OPEN	CLOSED
8S	1/2-28 UNEF	2.250 [57.15]	.844 [21.44]	1.046 [26.57]	.250 [6.35]	.125 [3.18]
10S	5/8-24 UNEF	2.250 [57.15]	.969 [24.61]	1.046 [26.57]	.250 [6.35]	.125 [3.18]
10SL	5/8-24 UNEF	2.250 [57.15]	.969 [24.61]	1.125 [28.57]	.312 [7.92]	.125 [3.18]
12	3/4-20 UNEF	2.625 [66.67]	1.062 [26.97]	1.125 [28.57]	.312 [7.92]	.125 [3.18]
12S	3/4-20 UNEF	2.250 [57.15]	1.062 [26.97]	1.125 [28.57]	.312 [7.92]	.125 [3.18]
14	7/8-20 UNEF	2.625 [66.67]	1.156 [29.36]	1.343 [34.11]	.438 [11.13]	.250 [6.35]
14S	7/8-20 UNEF	2.250 [57.15]	1.156 [29.36]	1.343 [34.11]	.438 [11.13]	.250 [6.35]
16	1-20 UNEF	2.625 [66.67]	1.250 [31.75]	1.484 [37.69]	.562 [14.27]	.312 [7.92]
16S	1-20 UNEF	2.250 [57.15]	1.250 [31.75]	1.484 [37.69]	.562 [14.27]	.312 [7.92]
18	1 1/8-18 UNEF	2.688 [68.28]	1.344 [34.14]	1.609 [40.87]	.625 [15.88]	.350 [8.89]
20	1 1/4-18 UNEF	2.750 [69.85]	1.469 [37.31]	1.890 [48.01]	.750 [19.05]	.500 [12.70]
22	1 3/8-18 UNEF	2.750 [69.85]	1.594 [40.49]	1.890 [48.01]	.750 [19.05]	.500 [12.70]
24	1 1/2-18 UNEF	2.969 [75.41]	1.719 [43.66]	2.170 [55.12]	.938 [23.83]	.625 [15.88]
28	1 3/4-18 UNS	3.031 [76.99]	1.969 [50.01]	2.170 [55.12]	.938 [23.83]	.625 [15.88]
32	2-18 UNS	3.031 [76.99]	2.219 [56.36]	2.656 [67.46]	1.250 [31.75]	.875 [22.23]
36	2 1/4-16 UN	3.281 [83.34]	2.469 [62.71]	2.922 [74.22]	1.375 [34.93]	1.000 [25.40]
40	2 1/2-16 UN	3.500 [88.90]	2.719 [69.06]	3.520 [89.41]	1.625 [41.28]	1.250 [31.75]

DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.

SCP06E

SCP06G SCPG06G STRAIGHT PLUG



SHELL SIZE	A COUPLING THREAD CLASS 2B	L MAX.	Q MAX.	Z MAX.	CABLE RANGE	
					OPEN	CLOSED
8S	1/2-28 UNEF	2.312 [58.72]	.844 [21.44]	1.046 [26.57]	.250 [6.35]	.125 [3.18]
10S	5/8-24 UNEF	2.312 [58.72]	.969 [24.61]	1.046 [26.57]	.250 [6.35]	.125 [3.18]
10SL	5/8-24 UNEF	2.312 [58.72]	.969 [24.61]	1.125 [28.57]	.312 [7.92]	.125 [3.18]
12	3/4-20 UNEF	2.656 [67.46]	1.062 [26.97]	1.125 [28.57]	.312 [7.92]	.125 [3.18]
12S	3/4-20 UNEF	2.312 [58.72]	1.062 [26.97]	1.125 [28.57]	.312 [7.92]	.125 [3.18]
14	7/8-20 UNEF	2.656 [67.46]	1.156 [29.36]	1.343 [34.11]	.438 [11.13]	.250 [6.35]
14S	7/8-20 UNEF	2.312 [58.72]	1.156 [29.36]	1.343 [34.11]	.438 [11.13]	.250 [6.35]
16	1-20 UNEF	2.656 [67.46]	1.250 [31.75]	1.484 [37.69]	.562 [14.27]	.312 [7.92]
16S	1-20 UNEF	2.312 [58.72]	1.250 [31.75]	1.484 [37.69]	.562 [14.27]	.312 [7.92]
18	1 1/8-18 UNEF	2.781 [70.64]	1.344 [34.14]	1.609 [40.87]	.625 [15.88]	.350 [8.89]
20	1 1/4-18 UNEF	2.781 [70.64]	1.469 [37.31]	1.890 [48.01]	.750 [19.05]	.500 [12.70]
22	1 3/8-18 UNEF	2.781 [70.64]	1.594 [40.49]	1.890 [48.01]	.750 [19.05]	.500 [12.70]
24	1 1/2-18 UNEF	2.969 [75.41]	1.719 [43.66]	2.170 [55.12]	.938 [23.83]	.625 [15.88]
28	1 3/4-18 UNS	3.031 [76.99]	1.969 [50.01]	2.170 [55.12]	.938 [23.83]	.625 [15.88]
32	2-18 UNS	3.250 [82.55]	2.219 [56.36]	2.656 [67.46]	1.250 [31.75]	.875 [22.23]
36	2 1/4-16 UN	3.281 [83.34]	2.469 [62.71]	2.922 [74.22]	1.375 [34.93]	1.000 [25.40]
40	2 1/2-16 UN	3.500 [88.90]	2.719 [69.06]	3.520 [89.41]	1.625 [41.28]	1.250 [31.75]

DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.

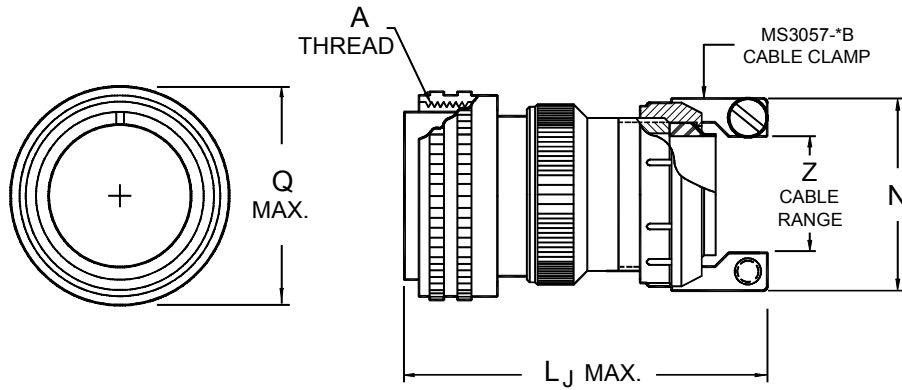
SCP06G

MIL-DTL-5015 SERIES I SOLDER OR CRIMP (F80) CONTACTS

SCP06J

SCPG06J

STRAIGHT PLUG

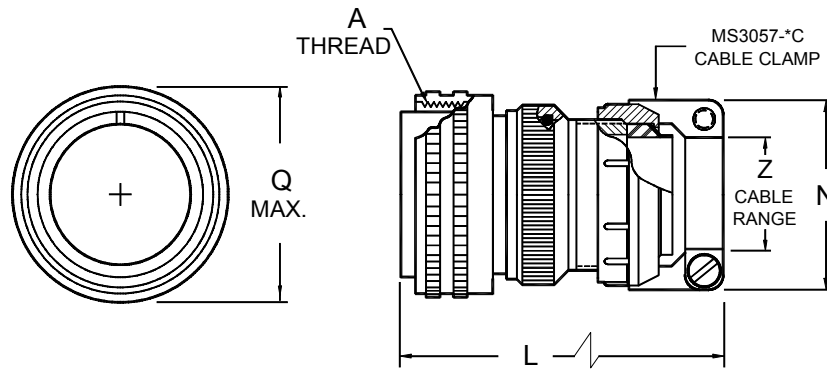


SHELL SIZE	A COUPLING THREAD CLASS 2B	L _J MAX.	N MAX.	Q MAX.	CABLE CLAMP	Z CABLE RANGE	
						FREE	CLOSED
8S	1/2-28 UNEF	2.225 [56.52]	.812 [20.62]	.844 [21.44]	MS3057-3B	.219 [5.56]	.031 [0.79]
10S	5/8-24 UNEF	2.300 [58.42]	.812 [20.62]	.969 [24.61]	MS3057-3B	.219 [5.56]	.031 [0.79]
10SL	5/8-24 UNEF	2.300 [58.42]	.937 [23.80]	.969 [24.61]	MS3057-4B	.312 [7.92]	.094 [2.39]
12	3/4-20 UNEF	2.900 [73.66]	.937 [23.80]	1.062 [26.97]	MS3057-4B	.312 [7.92]	.094 [2.39]
12S	3/4-20 UNEF	2.500 [63.50]	.937 [23.80]	1.062 [26.97]	MS3057-4B	.312 [7.92]	.094 [2.39]
14	7/8-20 UNEF	2.900 [73.66]	1.062 [26.97]	1.156 [29.36]	MS3057-6B	.438 [11.13]	.250 [6.35]
14S	7/8-20 UNEF	2.500 [63.50]	1.062 [26.97]	1.156 [29.36]	MS3057-6B	.438 [11.13]	.250 [6.35]
16	1-20 UNEF	2.900 [73.66]	1.188 [30.18]	1.250 [31.75]	MS3057-8B	.531 [13.49]	.312 [7.92]
16S	1-20 UNEF	2.500 [63.50]	1.188 [30.18]	1.250 [31.75]	MS3057-8B	.531 [13.49]	.312 [7.92]
18	1 1/8-18 UNEF	2.900 [73.66]	1.312 [33.32]	1.344 [34.14]	MS3057-10B	.625 [15.88]	.375 [9.52]
20	1 1/4-18 UNEF	3.000 [76.20]	1.562 [39.67]	1.469 [37.31]	MS3057-12B	.750 [19.05]	.500 [12.70]
22	1 3/8-18 UNEF	3.000 [76.20]	1.562 [39.67]	1.594 [40.49]	MS3057-12B	.750 [19.05]	.500 [12.70]
24	1 1/2-18 UNEF	3.250 [82.55]	1.750 [44.45]	1.719 [43.66]	MS3057-16B	.938 [23.83]	.594 [15.09]
28	1 3/4-18 UNS	3.250 [82.55]	1.750 [44.45]	1.969 [50.01]	MS3057-16B	.938 [23.83]	.594 [15.09]
32	2-18 UNS	3.600 [91.44]	2.250 [57.15]	2.219 [56.36]	MS3057-20B	1.250 [31.75]	.938 [23.83]
36	2 1/4-16 UN	3.600 [91.44]	2.375 [60.33]	2.469 [62.71]	MS3057-24B	1.375 [34.93]	.969 [24.61]
40	2 1/2-16 UN	3.900 [99.06]	2.625 [66.68]	2.719 [69.06]	MS3057-28B	1.625 [41.28]	1.188 [30.18]
44	2 3/4-16 UN	4.000 [101.60]	2.812 [71.42]	3.000 [76.20]	MS3057-32B	1.875 [47.63]	1.375 [34.93]
48	3-16 UN	4.225 [107.32]	3.312 [84.12]	3.250 [82.55]	MS3057-40B	2.375 [60.33]	1.875 [47.63]

DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.

SCP3106J

SCP06K, SCP06LCF(Z) SCPG06K, SCPG06LCF(Z) STRAIGHT PLUG



SHELL SIZE	A COUPLING THREAD CLASS 2B	L MAX.		N MAX.	Q MAX.	CABLE CLAMP	Z CABLE RANGE	
		K SERIES	LCF SERIES				FREE	CLOSED
10S	5/8-24 UNEF	2.300 [58.42]	4.00 [101.6]	.812 [20.62]	.969 [24.61]	MS3057-3C	.219 [5.56]	.031 [0.79]
10SL	5/8-24 UNEF	2.300 [58.42]	4.00 [101.6]	.937 [23.80]	.969 [24.61]	MS3057-4C	.312 [7.92]	.094 [2.39]
12	3/4-20 UNEF	2.900 [73.66]	4.50 [114.0]	.937 [23.80]	1.062 [26.97]	MS3057-4C	.312 [7.92]	.094 [2.39]
12S	3/4-20 UNEF	2.500 [63.50]	4.00 [101.6]	.937 [23.80]	1.062 [26.97]	MS3057-4C	.312 [7.92]	.094 [2.39]
14	7/8-20 UNEF	2.900 [73.66]	4.50 [114.0]	1.062 [26.97]	1.156 [29.36]	MS3057-6C	.438 [11.13]	.250 [6.35]
14S	7/8-20 UNEF	2.500 [63.50]	4.00 [101.6]	1.062 [26.97]	1.156 [29.36]	MS3057-6C	.438 [11.13]	.250 [6.35]
16	1-20 UNEF	2.900 [73.66]	4.50 [114.0]	1.188 [30.18]	1.250 [31.75]	MS3057-8C	.531 [13.49]	.312 [7.92]
16S	1-20 UNEF	2.500 [63.50]	4.00 [101.6]	1.188 [30.18]	1.250 [31.75]	MS3057-8C	.531 [13.49]	.312 [7.92]
18	1 1/8-18 UNEF	2.900 [73.66]	4.69 [119.0]	1.312 [33.32]	1.344 [34.14]	MS3057-10C	.625 [15.88]	.375 [9.52]
20	1 1/4-18 UNEF	3.000 [76.20]	4.69 [119.0]	1.562 [39.67]	1.469 [37.31]	MS3057-12C	.750 [19.05]	.500 [12.70]
22	1 3/8-18 UNEF	3.000 [76.20]	4.69 [119.0]	1.562 [39.67]	1.594 [40.49]	MS3057-12C	.750 [19.05]	.500 [12.70]
24	1 1/2-18 UNEF	3.250 [82.55]	4.90 [124.2]	1.750 [44.45]	1.719 [43.66]	MS3057-16C	.938 [23.83]	.594 [15.09]
28	1 3/4-18 UNS	3.250 [82.55]	5.125 [130.0]	1.750 [44.45]	1.969 [50.01]	MS3057-16C	.938 [23.83]	.594 [15.09]
32	2-18 UNS	3.600 [91.44]	5.39 [137.0]	2.250 [57.15]	2.219 [56.36]	MS3057-20C	1.250 [31.75]	.938 [23.83]
36	2 1/4-16 UN	3.600 [91.44]	5.67 [144.0]	2.375 [60.33]	2.469 [62.71]	MS3057-24C	1.375 [34.93]	.969 [24.61]
40	2 1/2-16 UN	3.900 [99.06]	5.67 [144.0]	2.625 [66.68]	2.719 [69.06]	MS3057-28C	1.625 [41.28]	1.188 [30.18]
44	2 3/4-16 UN	4.000 [101.60]	*	2.812 [71.42]	3.000 [76.20]	MS3057-32C	1.875 [47.63]	1.375 [34.93]
48	3-16 UN	4.225 [107.32]	*	3.312 [84.12]	3.250 [82.55]	MS3057-40C	2.375 [60.33]	1.875 [47.63]

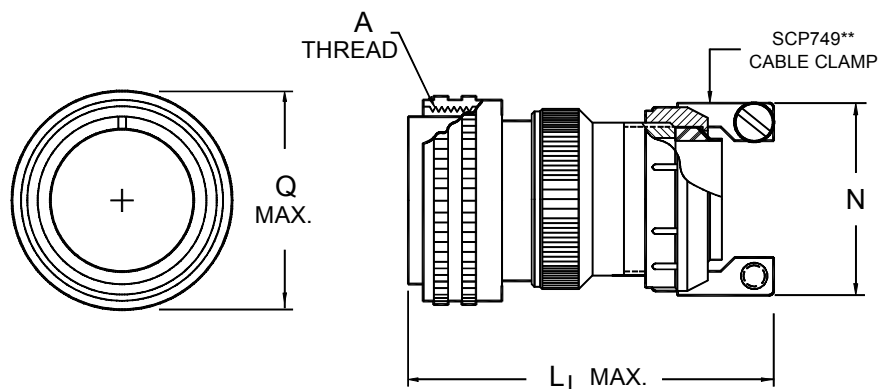
1. DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.

* CONSULT FACTORY.

SCP3106K

MIL-DTL-5015 SERIES I SOLDER OR CRIMP (F80) CONTACTS

SCP06L SCPG06L STRAIGHT PLUG

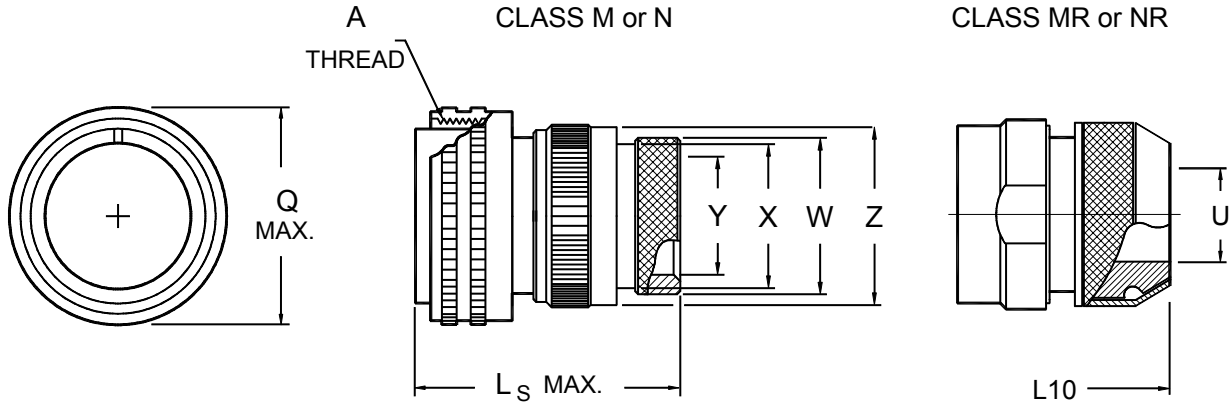


SHELL SIZE	A COUPLING THREAD CLASS 2B	L _L MAX.	N MAX.	Q MAX.	CABLE CLAMP
8S	1/2-28 UNEF	2.225 [56.52]	.807 [20.50]	.844 [21.44]	SCP74908-*
10S	5/8-24 UNEF	2.300 [58.42]	.807 [20.50]	.969 [24.61]	SCP74910-*
10SL	5/8-24 UNEF	2.300 [58.42]	.901 [22.89]	.969 [24.61]	SCP74911-*
12	3/4-20 UNEF	2.900 [73.66]	.901 [22.89]	1.062 [26.97]	SCP74912-*
12S	3/4-20 UNEF	2.500 [63.50]	.901 [22.89]	1.062 [26.97]	SCP74913-*
14	7/8-20 UNEF	2.900 [73.66]	1.026 [26.06]	1.156 [29.36]	SCP74914-*
14S	7/8-20 UNEF	2.500 [63.50]	1.026 [26.06]	1.156 [29.36]	SCP74915-*
16	1-20 UNEF	2.900 [73.66]	1.119 [28.42]	1.250 [31.75]	SCP74916-*
16S	1-20 UNEF	2.500 [63.50]	1.119 [28.42]	1.250 [31.75]	SCP74917-*
18	1 1/8-18 UNEF	2.900 [73.66]	1.229 [31.22]	1.344 [34.14]	SCP74918-*
20	1 1/4-18 UNEF	3.000 [76.20]	1.479 [37.57]	1.469 [37.31]	SCP74920-*
22	1 3/8-18 UNEF	3.000 [76.20]	1.479 [37.57]	1.594 [40.49]	SCP74922-*
24	1 1/2-18 UNEF	3.250 [82.55]	1.666 [42.32]	1.719 [43.66]	SCP74924-*
28	1 3/4-18 UNS	3.250 [82.55]	1.666 [42.32]	1.969 [50.01]	SCP74928-*
32	2-18 UNS	3.600 [91.44]	2.135 [54.23]	2.219 [56.36]	SCP74932-*
36	2 1/4-16 UN	3.600 [91.44]	2.260 [57.40]	2.469 [62.71]	SCP74936-*
40	2 1/2-16 UN	3.900 [99.06]	2.510 [63.75]	2.719 [69.06]	SCP74940-*
44	2 3/4-16 UN	4.000 [101.60]	2.812 [71.42]	3.000 [76.20]	SCP74944-*
48	3-16 UN	4.225 [107.32]	3.312 [84.12]	3.250 [82.55]	SCP74948-*

SCP3106L

DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.

SCPG06M or N SCP(G)06MR or NR STRAIGHT PLUG WITH SHRINK BOOT ADAPTER



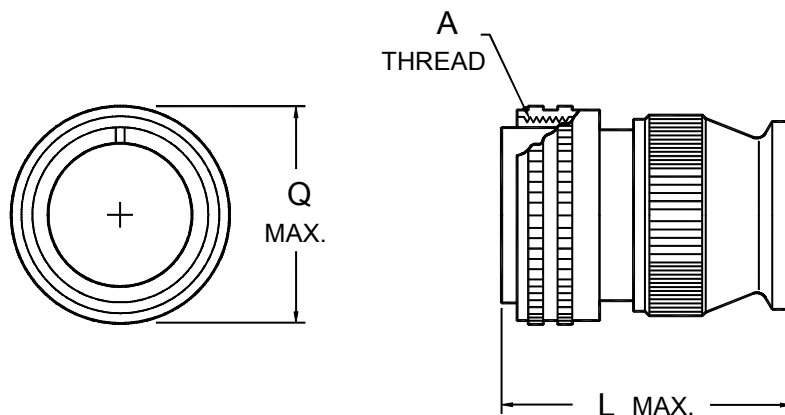
SHELL SIZE	A COUPLING THREAD CLASS 2B	L _S MAX.	L ₁₀ MAX.	Q MAX.	U MAX.	W ±.008 [±0.20]	X MAX.	Y ±.004 [±0.10]	Z ±.008 [±0.20]
8S	1/2-28 UNEF	Consult Sales	Consult Sales	.844 [21.44]	Consult Sales	-	-	-	-
10S	5/8-24 UNEF	2.140 [54.36]	Consult Sales	.969 [24.61]	Consult Sales	.605 [15.37]	.524 [13.30]	.311 [7.90]	.734 [18.64]
10SL	5/8-24 UNEF	2.140 [54.36]	2.023 [51.40]	.969 [24.61]	.338 [8.60]	.605 [15.37]	.524 [13.30]	.311 [7.90]	.734 [18.64]
12	3/4-20 UNEF	2.612 [66.34]	2.460 [62.50]	1.062 [26.97]	.378 [9.60]	.774 [19.66]	.524 [13.30]	.311 [7.90]	.858 [21.79]
12S	3/4-20 UNEF	2.140 [54.36]	2.023 [51.40]	1.062 [26.97]	.378 [9.60]	.774 [19.66]	.524 [13.30]	.311 [7.90]	.858 [21.79]
14	7/8-20 UNEF	2.612 [66.34]	2.460 [62.50]	1.156 [29.36]	.417 [10.60]	.838 [21.29]	.669 [17.00]	.425 [10.80]	.984 [24.99]
14S	7/8-20 UNEF	2.140 [54.36]	2.023 [51.40]	1.156 [29.36]	.417 [10.60]	.838 [21.29]	.669 [17.00]	.425 [10.80]	.984 [24.99]
16	1-20 UNEF	2.612 [66.34]	2.460 [62.50]	1.250 [31.75]	.531 [13.50]	.963 [24.46]	.862 [21.90]	.539 [13.70]	1.112 [28.24]
16S	1-20 UNEF	2.140 [54.36]	2.102 [53.40]	1.250 [31.75]	.531 [13.50]	.963 [24.46]	.862 [21.90]	.539 [13.70]	1.112 [28.24]
18	1 1/8-18 UNEF	2.612 [66.34]	2.508 [63.70]	1.344 [34.14]	.575 [14.60]	1.042 [26.47]	.885 [22.48]	.583 [14.80]	1.218 [26.50]
20	1 1/4-18 UNEF	2.809 [71.35]	2.508 [63.70]	1.469 [37.31]	.728 [18.50]	1.217 [30.91]	1.039 [26.39]	.744 [18.90]	1.345 [34.16]
22	1 3/8-18 UNEF	2.809 [71.35]	2.508 [63.70]	1.594 [40.49]	.819 [20.80]	1.355 [34.42]	1.129 [28.68]	.827 [21.00]	1.468 [37.29]
24	1 1/2-18 UNEF	2.809 [71.35]	2.535 [64.40]	1.719 [43.66]	.969 [24.60]	1.433 [36.40]	1.247 [34.50]	.976 [24.80]	1.593 [40.46]
28	1 3/4-18 UNS	2.809 [71.35]	2.535 [64.40]	1.969 [50.01]	1.063 [27.00]	1.709 [43.41]	1.409 [35.79]	1.071 [27.20]	1.969 [50.01]
32	2-18 UNS	3.006 [76.35]	2.630 [66.80]	2.219 [56.36]	1.131 [33.30]	1.919 [47.80]	1.692 [42.98]	1.319 [33.50]	2.219 [56.36]
36	2 1/4-16 UN	3.203 [81.36]	2.630 [66.80]	2.469 [62.71]	1.516 [38.50]	2.169 [55.09]	1.948 [49.48]	1.524 [38.70]	2.469 [62.71]
40	2 1/2-16 UN	3.281 [83.34]	2.630 [66.80]	2.719 [69.06]	1.811 [46.00]	2.402 [61.01]	2.184 [55.47]	1.898 [48.20]	2.719 [69.06]

1. DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.
2. CONSULT FACTORY FOR DIMENSIONS.

SCP3106S

MIL-DTL-5015 SERIES I SOLDER OR CRIMP (F80) CONTACTS

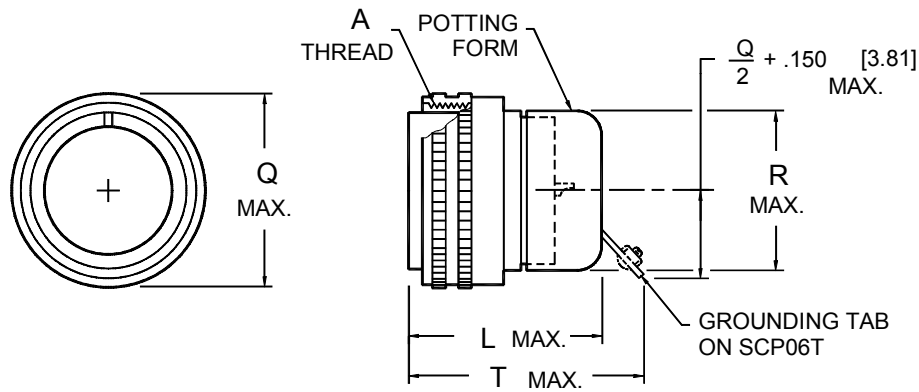
SCP06R SCPG06R STRAIGHT PLUG



SHELL SIZE	A COUPLING THREAD CLASS 2B	L MAX.	Q MAX.
8S	1/2-28 UNEF	1.838 [46.69]	.844 [21.44]
10S	5/8-24 UNEF	1.838 [46.69]	.969 [24.61]
10SL	5/8-24 UNEF	1.838 [46.69]	.969 [24.61]
12	3/4-20 UNEF	2.181 [55.40]	1.062 [26.97]
12S	3/4-20 UNEF	1.838 [46.69]	1.062 [26.97]
14	7/8-20 UNEF	2.181 [55.40]	1.156 [29.36]
14S	7/8-20 UNEF	1.838 [46.69]	1.156 [29.36]
16	1-20 UNEF	2.181 [55.40]	1.250 [31.75]
16S	1-20 UNEF	1.838 [46.69]	1.250 [31.75]
18	1 1/8-18 UNEF	2.281 [57.94]	1.344 [34.14]
20	1 1/4-18 UNEF	2.281 [57.94]	1.469 [37.31]
22	1 3/8-18 UNEF	2.281 [57.94]	1.594 [40.49]
24	1 1/2-18 UNEF	2.281 [57.94]	1.719 [43.66]
28	1 3/4-18 UNS	2.281 [57.94]	1.969 [50.01]
32	2-18 UNS	2.322 [58.98]	2.219 [56.36]
36	2 1/4-16 UN	2.322 [58.98]	2.469 [62.71]
40	2 1/2-16 UN	2.430 [61.72]	2.719 [69.06]

DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.

SCP06R



SHELL SIZE	A COUPLING THREAD CLASS 2B	L MAX. ②	Q MAX.	R MAX.	T MAX. ②
8S	1/2-28 UNEF	1.500 [38.10]	.844 [21.44]	.613 [15.57]	1.875 [47.62]
10S	5/8-24 UNEF	1.500 [38.10]	.969 [24.61]	.707 [17.96]	1.875 [47.62]
10SL	5/8-24 UNEF	1.500 [38.10]	.969 [24.61]	.863 [21.92]	1.875 [47.62]
12S	3/4-20 UNEF	1.500 [38.10]	1.062 [26.97]	.863 [21.92]	1.875 [47.62]
12	3/4-20 UNEF	1.906 [48.41]	1.062 [26.97]	.863 [21.92]	2.281 [57.94]
14S	7/8-20 UNEF	1.500 [38.10]	1.156 [29.36]	.941 [23.90]	1.875 [47.62]
14	7/8-20 UNEF	1.906 [48.41]	1.156 [29.36]	.941 [23.90]	2.281 [57.94]
16S	1-20 UNEF	1.500 [38.10]	1.250 [31.75]	1.066 [27.08]	1.875 [47.62]
16	1-20 UNEF	1.906 [48.41]	1.250 [31.75]	1.066 [27.08]	2.281 [57.94]
18	1 1/8-18 UNEF	1.906 [48.41]	1.344 [34.14]	1.207 [30.66]	2.281 [57.94]
20	1 1/4-18 UNEF	2.188 [55.58]	1.469 [37.31]	1.332 [33.83]	2.594 [65.89]
22	1 3/8-18 UNEF	2.188 [55.58]	1.594 [40.49]	1.457 [37.01]	2.594 [65.89]
24	1 1/2-18 UNEF	2.188 [55.58]	1.719 [43.66]	1.582 [40.18]	2.594 [65.89]
28	1 3/4-18 UNS	2.188 [55.58]	1.969 [50.01]	1.832 [46.53]	2.594 [65.89]
32	2-18 UNS	2.188 [55.58]	2.219 [56.36]	2.082 [52.88]	2.594 [65.89]
36	2 1/4-16 UN	2.188 [55.58]	2.469 [62.71]	2.395 [60.83]	2.594 [65.89]
40	2 1/2-16 UN	2.188 [55.58]	2.719 [69.06]	2.594 [65.89]	2.594 [65.89]
44	2 3/4-16 UN	2.188 [55.58]	2.969 [75.41]	2.875 [73.02]	2.594 [65.89]
48	3-16 UN	2.188 [55.58]	3.219 [81.76]	3.125 [79.37]	2.594 [65.89]

1. DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.

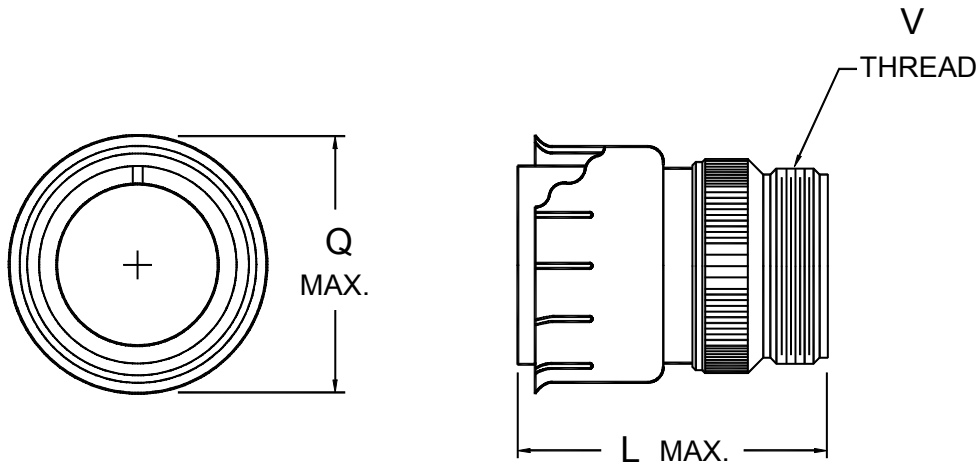
② ADD .375 FOR SIZE "0" CONTACTS.

1B034

MIL-DTL-5015 SERIES I SOLDER OR CRIMP (F80) CONTACTS

SCP07A,B,C

QUICK DISCONNECT PLUG

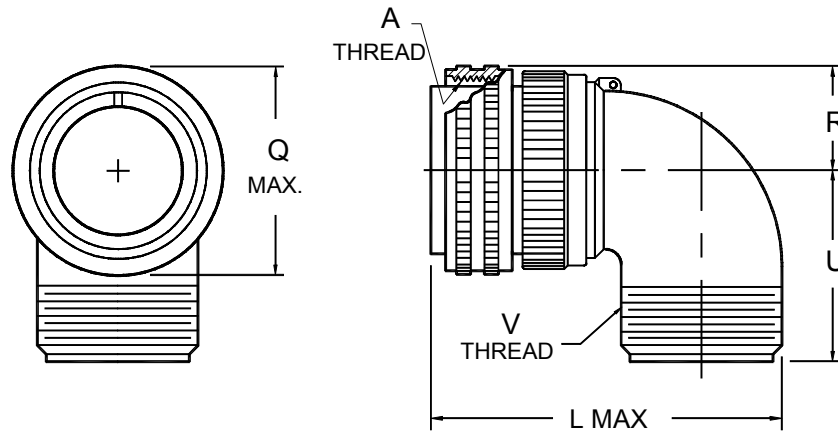


SHELL SIZE	L MAX.	Q MAX.	V ACCESSORY THREAD CLASS 2A
8S	1.469 [37.31]	1.250 [31.75]	1/2-28 UNEF
10S	1.531 [38.89]	1.375 [34.92]	1/2-28 UNEF
10SL	1.531 [38.89]	1.375 [34.92]	5/8-24 UNEF
12	2.062 [52.37]	1.500 [38.10]	5/8-24 UNEF
12S	1.688 [42.88]	1.500 [38.10]	5/8-24 UNEF
14	2.062 [52.37]	1.625 [41.27]	3/4-20 UNEF
14S	1.688 [42.88]	1.625 [41.27]	3/4-20 UNEF
16	2.062 [52.37]	1.750 [44.45]	7/8-20 UNEF
16S	1.688 [42.88]	1.750 [44.45]	7/8-20 UNEF
18	2.062 [52.37]	1.875 [47.62]	1-20 UNEF
20	2.188 [55.58]	2.000 [50.80]	1 3/16-18 UNEF
22	2.188 [55.58]	2.125 [53.97]	1 3/16-18 UNEF
24	2.312 [58.72]	2.250 [57.15]	1 7/16-18 UNEF
28	2.312 [58.72]	2.500 [63.50]	1 7/16-18 UNEF

DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.

1B018

SCP08A,C SCPG08A,C 90° PLUG

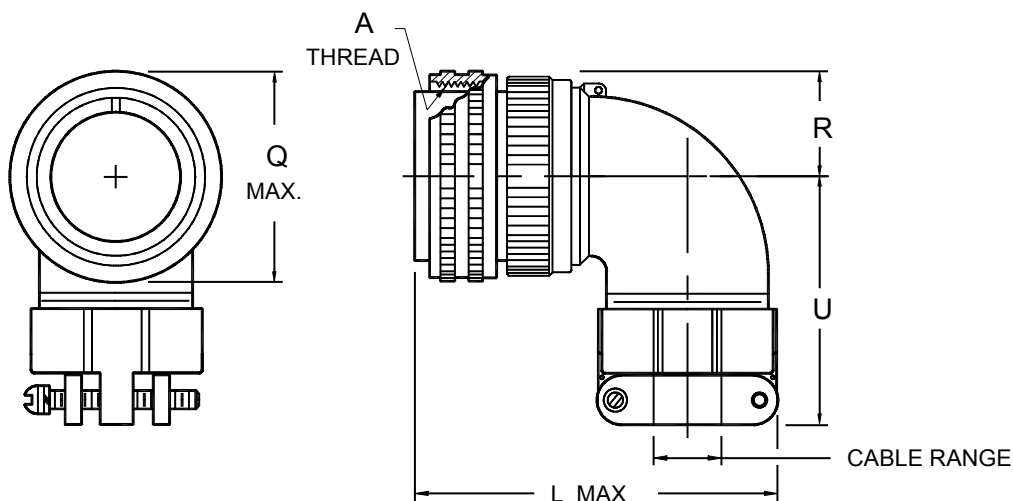


SHELL SIZE	A COUPLING THREAD CLASS 2B	L MAX.	Q MAX.	R MAX.	U MAX.	V ACCESSORY THREAD CLASS 2A
8S	1/2-28 UNEF	1.750 [44.45]	.844 [21.44]	.422 [10.72]	.938 [23.83]	1/2-28 UNEF
10S	5/8-24 UNEF	1.750 [44.45]	.969 [24.61]	.485 [12.32]	1.000 [25.40]	1/2-28 UNEF
10SL	5/8-24 UNEF	1.812 [46.02]	.969 [24.61]	.531 [13.49]	1.000 [25.40]	5/8-24 UNEF
12	3/4-20 UNEF	2.250 [57.15]	1.062 [26.97]	.531 [13.49]	1.062 [26.97]	5/8-24 UNEF
12S	3/4-20 UNEF	2.000 [50.80]	1.062 [26.97]	.531 [13.49]	1.062 [26.97]	5/8-24 UNEF
14	7/8-20 UNEF	2.312 [58.72]	1.156 [29.36]	.656 [16.66]	1.125 [28.57]	3/4-20 UNEF
14S	7/8-20 UNEF	2.125 [53.97]	1.156 [29.36]	.656 [16.66]	1.125 [28.57]	3/4-20 UNEF
16	1-20 UNEF	2.562 [65.07]	1.250 [31.75]	.750 [19.05]	1.188 [30.18]	7/8-20 UNEF
16S	1-20 UNEF	2.375 [60.32]	1.250 [31.75]	.750 [19.05]	1.188 [30.18]	7/8-20 UNEF
18	1 1/8-18 UNEF	2.688 [68.28]	1.344 [34.14]	.828 [21.03]	1.312 [33.32]	1-20 UNEF
20	1 1/4-18 UNEF	3.031 [76.99]	1.469 [37.31]	.906 [23.01]	1.375 [34.92]	1 3/16-18 UNEF
22	1 3/8-18 UNEF	3.031 [76.99]	1.594 [40.49]	.969 [24.61]	1.375 [34.92]	1 3/16-18 UNEF
24	1 1/2-18 UNEF	3.406 [86.51]	1.719 [43.66]	1.031 [26.19]	1.562 [39.67]	1 7/16-18 UNEF
28	1 3/4-18 UNS	3.406 [86.51]	1.969 [50.01]	1.156 [29.36]	1.562 [39.67]	1 7/16-18 UNEF
32	2-18 UNS	3.750 [95.25]	2.219 [56.36]	1.312 [33.32]	1.875 [47.62]	1 3/4-18 UNS
36	2 1/4-16 UN	3.938 [100.03]	2.469 [62.71]	1.438 [36.53]	2.062 [52.37]	2-18 UNS
40	2 1/2-16 UN	4.750 [120.65]	2.719 [69.06]	1.562 [39.67]	2.125 [53.97]	2 1/4-16 UN
44	2 3/4-16 UN	4.812 [122.22]	2.968 [75.39]	1.687 [42.85]	2.250 [57.15]	2 1/2-16 UN
48	3-16 UN	4.937 [125.40]	3.218 [81.74]	1.812 [46.02]	2.375 [60.32]	3-16 UN

1. DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.

1B019

SCP08D,F SCPG08D,F 90° PLUG

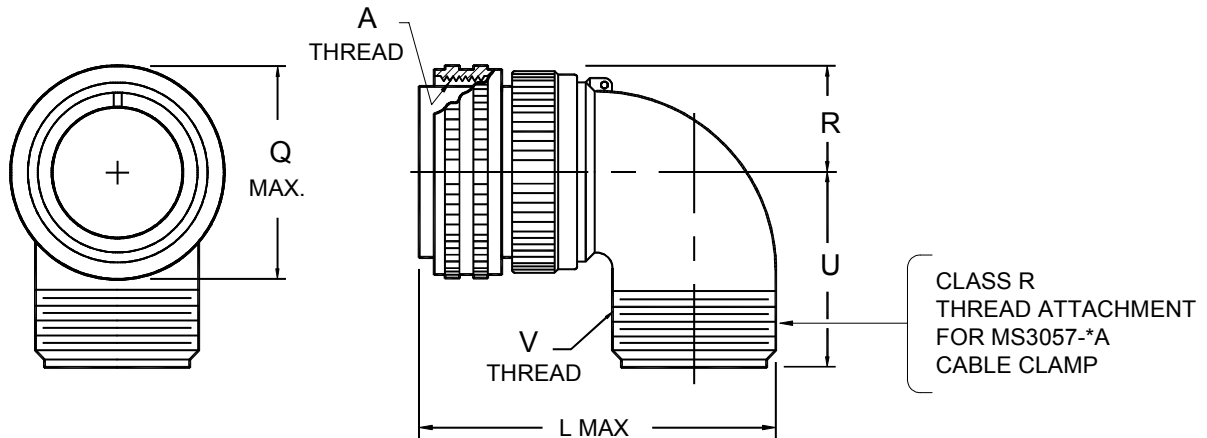


SHELL SIZE	A COUPLING THREAD CLASS 2B	L MAX.	Q MAX.	R MAX.	U MAX.	CABLE RANGE	
						OPEN	CLOSED
8S	1/2-28 UNEF	2.156 [54.76]	.844 [21.44]	.422 [10.72]	1.469 [37.31]	.250 [6.35]	.125 [3.18]
10S	5/8-24 UNEF	2.156 [54.76]	.969 [24.61]	.516 [13.11]	1.469 [37.31]	.250 [6.35]	.125 [3.18]
10SL	5/8-24 UNEF	2.188 [55.58]	.969 [24.61]	.516 [13.11]	1.500 [38.10]	.312 [7.92]	.125 [3.18]
12	3/4-20 UNEF	2.531 [64.29]	1.062 [26.97]	.562 [14.27]	1.500 [38.10]	.312 [7.92]	.125 [3.18]
12S	3/4-20 UNEF	2.188 [55.58]	1.062 [26.97]	.562 [14.27]	1.500 [38.10]	.312 [7.92]	.125 [3.18]
14	7/8-20 UNEF	2.688 [68.28]	1.156 [29.36]	.625 [15.87]	1.594 [40.49]	.438 [11.13]	.250 [6.35]
14S	7/8-20 UNEF	2.312 [58.72]	1.156 [29.36]	.625 [15.87]	1.594 [40.49]	.438 [11.13]	.250 [6.35]
16	1-20 UNEF	2.781 [70.64]	1.250 [31.75]	.688 [17.48]	1.688 [42.88]	.562 [14.27]	.312 [7.92]
16S	1-20 UNEF	2.406 [61.11]	1.250 [31.75]	.688 [17.48]	1.688 [42.88]	.562 [14.27]	.312 [7.92]
18	1 1/8-18 UNEF	2.844 [72.24]	1.344 [34.14]	.750 [19.05]	1.781 [45.24]	.625 [15.88]	.350 [8.89]
20	1 1/4-18 UNEF	3.250 [82.55]	1.469 [37.31]	.844 [21.44]	1.969 [50.01]	.750 [19.05]	.500 [12.70]
22	1 3/8-18 UNEF	3.250 [82.55]	1.594 [40.49]	.906 [23.01]	2.000 [50.80]	.750 [19.05]	.500 [12.70]
24	1 1/2-18 UNEF	3.719 [94.46]	1.719 [43.66]	.953 [24.21]	2.125 [53.97]	.938 [23.83]	.625 [15.88]
28	1 3/4-18 UNS	3.719 [94.46]	1.969 [50.01]	1.094 [27.79]	2.188 [55.58]	.938 [23.83]	.625 [15.88]
32	2-18 UNS	4.188 [106.38]	2.219 [56.36]	1.234 [31.34]	2.594 [65.89]	1.250 [31.75]	.875 [22.23]
36	2 1/4-16 UN	4.297 [109.14]	2.469 [62.71]	1.359 [34.52]	2.719 [69.06]	1.375 [34.93]	1.000 [25.40]
40	2 1/2-16 UN	4.516 [114.71]	2.719 [69.06]	1.422 [36.12]	3.188 [80.98]	1.625 [41.28]	1.250 [31.75]

1. DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.

SCP08E

SCP08G SCPG08G 90° PLUG



SHELL SIZE	A COUPLING THREAD CLASS 2B	L MAX.	Q MAX.	R MAX.	U MAX.	V ACCESSORY THREAD CLASS 2A
8S	1/2-28 UNEF	2.156 [54.76]	.844 [21.44]	.422 [10.72]	1.469 [37.31]	1/2-28 UNEF
10S	5/8-24 UNEF	2.156 [54.76]	.969 [24.61]	.516 [13.11]	1.469 [37.31]	1/2-28 UNEF
10SL	5/8-24 UNEF	2.188 [55.58]	.969 [24.61]	.516 [13.11]	1.500 [38.10]	5/8-24 UNEF
12	3/4-20 UNEF	2.531 [64.29]	1.062 [26.97]	.562 [14.27]	1.500 [38.10]	5/8-24 UNEF
12S	3/4-20 UNEF	2.188 [55.58]	1.062 [26.97]	.562 [14.27]	1.500 [38.10]	5/8-24 UNEF
14	7/8-20 UNEF	2.688 [68.28]	1.156 [29.36]	.625 [15.87]	1.594 [40.49]	3/4-20 UNEF
14S	7/8-20 UNEF	2.312 [58.72]	1.156 [29.36]	.625 [15.87]	1.594 [40.49]	3/4-20 UNEF
16	1-20 UNEF	2.781 [70.64]	1.250 [31.75]	.688 [17.48]	1.688 [42.88]	7/8-20 UNEF
16S	1-20 UNEF	2.406 [61.11]	1.250 [31.75]	.688 [17.48]	1.688 [42.88]	7/8-20 UNEF
18	1 1/8-18 UNEF	2.844 [72.24]	1.344 [34.14]	.750 [19.05]	1.781 [45.24]	1-20 UNEF
20	1 1/4-18 UNEF	3.250 [82.55]	1.469 [37.31]	.844 [21.44]	1.969 [50.01]	1 3/16-18 UNEF
22	1 3/8-18 UNEF	3.250 [82.55]	1.594 [40.49]	.906 [23.01]	2.000 [50.80]	1 3/16-18 UNEF
24	1 1/2-18 UNEF	3.719 [94.46]	1.719 [43.66]	.953 [24.21]	2.125 [53.97]	1 7/16-18 UNEF
28	1 3/4-18 UNS	3.719 [94.46]	1.969 [50.01]	1.094 [27.79]	2.188 [55.58]	1 7/16-18 UNEF
32	2-18 UNS	4.188 [106.38]	2.219 [56.36]	1.234 [31.34]	2.594 [65.89]	1 3/4-18 UNS
36	2 1/4-16 UN	4.297 [109.14]	2.469 [62.71]	1.359 [34.52]	2.719 [69.06]	2-18 UNS
40	2 1/2-16 UN	4.516 [114.71]	2.719 [69.06]	1.422 [36.12]	3.188 [80.98]	2 1/4-16 UN

1. DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.

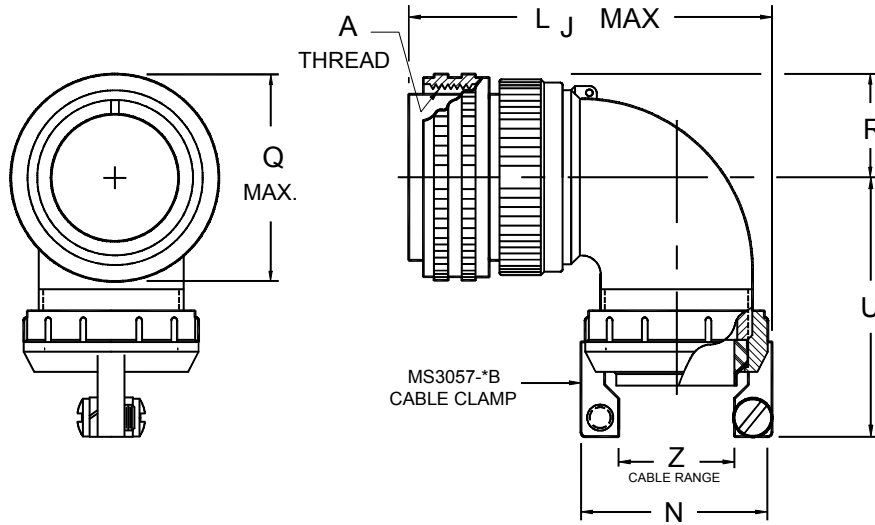
1B023

MIL-DTL-5015 SERIES I SOLDER OR CRIMP (F80) CONTACTS

SCP08J

SCPG08J

90° PLUG

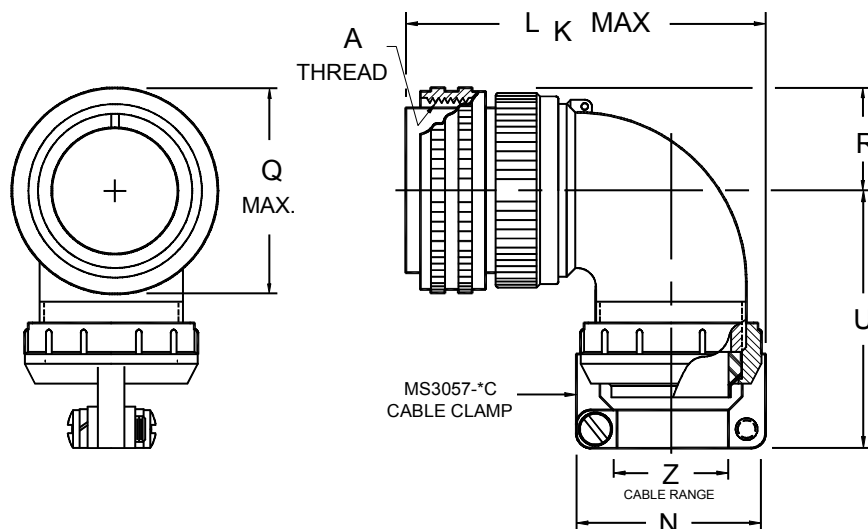


SHELL SIZE	A COUPLING THREAD CLASS 2B	L _J MAX.	N MAX.	Q MAX.	R MAX.	U MAX.	CABLE CLAMP	Z CABLE RANGE	
								FREE	CLOSED
8S	1/2-28 UNEF	2.156 [54.76]	.812 [20.62]	.844 [21.44]	.422 [10.72]	1.469 [37.31]	MS3057-3B	.219 [5.56]	.031 [0.79]
10S	5/8-24 UNEF	2.156 [54.76]	.812 [20.62]	.969 [24.61]	.516 [13.11]	1.469 [37.31]	MS3057-3B	.219 [5.56]	.031 [0.79]
10SL	5/8-24 UNEF	2.188 [55.58]	.937 [23.80]	.969 [24.61]	.516 [13.11]	1.500 [38.10]	MS3057-4B	.312 [7.92]	.094 [2.39]
12	3/4-20 UNEF	2.531 [64.29]	.937 [23.80]	1.062 [26.97]	.562 [14.27]	1.500 [38.10]	MS3057-4B	.312 [7.92]	.094 [2.39]
12S	3/4-20 UNEF	2.188 [55.58]	.937 [23.80]	1.062 [26.97]	.562 [14.27]	1.500 [38.10]	MS3057-4B	.312 [7.92]	.094 [2.39]
14	7/8-20 UNEF	2.688 [68.28]	1.062 [26.97]	1.156 [29.36]	.625 [15.87]	1.594 [40.49]	MS3057-6B	.438 [11.13]	.250 [6.35]
14S	7/8-20 UNEF	2.312 [58.72]	1.062 [26.97]	1.156 [29.36]	.625 [15.87]	1.594 [40.49]	MS3057-6B	.438 [11.13]	.250 [6.35]
16	1-20 UNEF	2.781 [70.64]	1.188 [30.18]	1.250 [31.75]	.688 [17.48]	1.688 [42.88]	MS3057-8B	.531 [13.49]	.312 [7.92]
16S	1-20 UNEF	2.406 [61.11]	1.188 [30.18]	1.250 [31.75]	.688 [17.48]	1.688 [42.88]	MS3057-8B	.531 [13.49]	.312 [7.92]
18	1 1/8-18 UNEF	2.844 [72.24]	1.312 [33.32]	1.344 [34.14]	.750 [19.05]	1.781 [45.24]	MS3057-10B	.625 [15.88]	.375 [9.52]
20	1 1/4-18 UNEF	3.250 [82.55]	1.562 [39.67]	1.469 [37.31]	.844 [21.44]	1.969 [50.01]	MS3057-12B	.750 [19.05]	.500 [12.70]
22	1 3/8-18 UNEF	3.250 [82.55]	1.562 [39.67]	1.594 [40.49]	.906 [23.01]	2.000 [50.80]	MS3057-12B	.750 [19.05]	.500 [12.70]
24	1 1/2-18 UNEF	3.719 [94.46]	1.750 [44.45]	1.719 [43.66]	.953 [24.21]	2.125 [53.97]	MS3057-16B	.938 [23.83]	.594 [15.09]
28	1 3/4-18 UNS	3.719 [94.46]	1.750 [44.45]	1.969 [50.01]	1.094 [27.79]	2.188 [55.58]	MS3057-16B	.938 [23.83]	.594 [15.09]
32	2-18 UNS	4.188 [106.38]	2.250 [57.15]	2.219 [56.36]	1.234 [31.34]	2.594 [65.89]	MS3057-20B	1.250 [31.75]	.938 [23.83]
36	2 1/4-16 UN	4.297 [109.14]	2.375 [60.33]	2.469 [62.71]	1.359 [34.52]	2.719 [69.06]	MS3057-24B	1.375 [34.93]	.969 [24.61]
40	2 1/2-16 UN	4.516 [114.71]	2.625 [66.68]	2.719 [69.06]	1.422 [36.12]	3.188 [80.98]	MS3057-28B	1.625 [41.28]	1.188 [30.18]

1. DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.

SCP3108J

SCP08K SCPG08K 90° PLUG

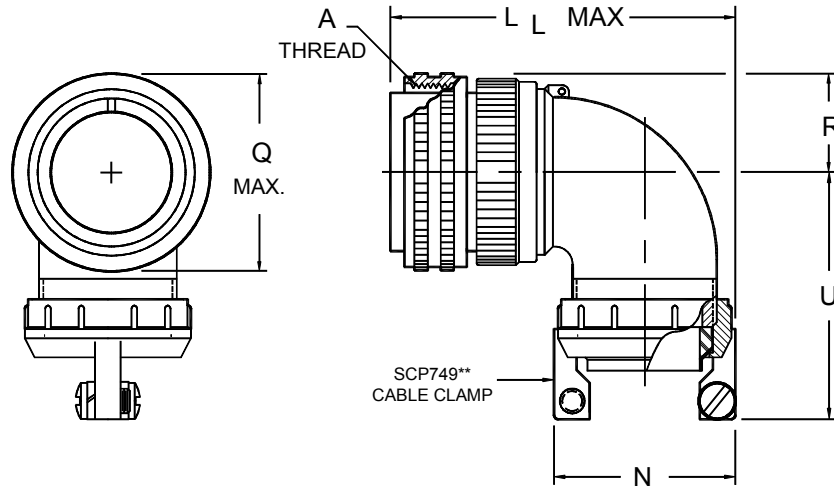


SHELL SIZE	A COUPLING THREAD CLASS 2B	L _K MAX.	N MAX.	Q MAX.	R MAX.	U MAX.	CABLE CLAMP	Z CABLE RANGE	
								FREE	CLOSED
8S	1/2-28 UNEF	2.156 [54.76]	.812 [20.62]	.844 [21.44]	.422 [10.72]	1.469 [37.31]	MS3057-3C	.219 [5.56]	.031 [0.79]
10S	5/8-24 UNEF	2.156 [54.76]	.812 [20.62]	.969 [24.61]	.516 [13.11]	1.469 [37.31]	MS3057-3C	.219 [5.56]	.031 [0.79]
10SL	5/8-24 UNEF	2.188 [55.58]	.937 [23.80]	.969 [24.61]	.516 [13.11]	1.500 [38.10]	MS3057-4C	.312 [7.92]	.094 [2.39]
12	3/4-20 UNEF	2.531 [64.29]	.937 [23.80]	1.062 [26.97]	.562 [14.27]	1.500 [38.10]	MS3057-4C	.312 [7.92]	.094 [2.39]
12S	3/4-20 UNEF	2.188 [55.58]	.937 [23.80]	1.062 [26.97]	.562 [14.27]	1.500 [38.10]	MS3057-4C	.312 [7.92]	.094 [2.39]
14	7/8-20 UNEF	2.688 [68.28]	1.062 [26.97]	1.156 [29.36]	.625 [15.87]	1.594 [40.49]	MS3057-6C	.438 [11.13]	.250 [6.35]
14S	7/8-20 UNEF	2.312 [58.72]	1.062 [26.97]	1.156 [29.36]	.625 [15.87]	1.594 [40.49]	MS3057-6C	.438 [11.13]	.250 [6.35]
16	1-20 UNEF	2.781 [70.64]	1.188 [30.18]	1.250 [31.75]	.688 [17.48]	1.688 [42.88]	MS3057-8C	.531 [13.49]	.312 [7.92]
16S	1-20 UNEF	2.406 [61.11]	1.188 [30.18]	1.250 [31.75]	.688 [17.48]	1.688 [42.88]	MS3057-8C	.531 [13.49]	.312 [7.92]
18	1 1/8-18 UNEF	2.844 [72.24]	1.312 [33.32]	1.344 [34.14]	.750 [19.05]	1.781 [45.24]	MS3057-10C	.625 [15.88]	.375 [9.52]
20	1 1/4-18 UNEF	3.250 [82.55]	1.562 [39.67]	1.469 [37.31]	.844 [21.44]	1.969 [50.01]	MS3057-12C	.750 [19.05]	.500 [12.70]
22	1 3/8-18 UNEF	3.250 [82.55]	1.562 [39.67]	1.594 [40.49]	.906 [23.01]	2.000 [50.80]	MS3057-12C	.750 [19.05]	.500 [12.70]
24	1 1/2-18 UNEF	3.719 [94.46]	1.750 [44.45]	1.719 [43.66]	.953 [24.21]	2.125 [53.97]	MS3057-16C	.938 [23.83]	.594 [15.09]
28	1 3/4-18 UNS	3.719 [94.46]	1.750 [44.45]	1.969 [50.01]	1.094 [27.79]	2.188 [55.58]	MS3057-16C	.938 [23.83]	.594 [15.09]
32	2-18 UNS	4.188 [106.38]	2.250 [57.15]	2.219 [56.36]	1.234 [31.34]	2.594 [65.89]	MS3057-20C	1.250 [31.75]	.938 [23.83]
36	2 1/4-16 UN	4.297 [109.14]	2.375 [60.33]	2.469 [62.71]	1.359 [34.52]	2.719 [69.06]	MS3057-24C	1.375 [34.93]	.969 [24.61]
40	2 1/2-16 UN	4.516 [114.71]	2.625 [66.68]	2.719 [69.06]	1.422 [36.12]	3.188 [80.98]	MS3057-28C	1.625 [41.28]	1.188 [30.18]

1. DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.

SCP3108K

SCP08L SCPG08L 90° PLUG



SHELL SIZE	A COUPLING THREAD CLASS 2B	L _L MAX.	N MAX.	Q MAX.	R MAX.	U MAX.	CABLE CLAMP
8S	1/2-28 UNEF	2.156 [54.76]	.807 [20.50]	.844 [21.44]	.422 [10.72]	1.445 [36.70]	SCP74908-*
10S	5/8-24 UNEF	2.156 [54.76]	.807 [20.50]	.969 [24.61]	.516 [13.11]	1.445 [36.70]	SCP74910-*
10SL	5/8-24 UNEF	2.188 [55.58]	.901 [22.89]	.969 [24.61]	.516 [13.11]	1.508 [38.30]	SCP74911-*
12	3/4-20 UNEF	2.531 [64.29]	.901 [22.89]	1.062 [26.97]	.562 [14.27]	1.508 [38.30]	SCP74912-*
12S	3/4-20 UNEF	2.188 [55.58]	.901 [22.89]	1.062 [26.97]	.562 [14.27]	1.508 [38.30]	SCP74913-*
14	7/8-20 UNEF	2.688 [68.28]	1.026 [26.06]	1.156 [29.36]	.625 [15.87]	1.570 [39.88]	SCP74914-*
14S	7/8-20 UNEF	2.312 [58.72]	1.026 [26.06]	1.156 [29.36]	.625 [15.87]	1.570 [39.88]	SCP74915-*
16	1-20 UNEF	2.781 [70.64]	1.119 [28.42]	1.250 [31.75]	.688 [17.48]	1.633 [41.48]	SCP74916-*
16S	1-20 UNEF	2.406 [61.11]	1.119 [28.42]	1.250 [31.75]	.688 [17.48]	1.633 [41.48]	SCP74917-*
18	1 1/8-18 UNEF	2.844 [72.24]	1.229 [31.22]	1.344 [34.14]	.750 [19.05]	1.759 [44.68]	SCP74918-*
20	1 1/4-18 UNEF	3.250 [82.55]	1.479 [37.57]	1.469 [37.31]	.844 [21.44]	1.931 [49.05]	SCP74920-*
22	1 3/8-18 UNEF	3.250 [82.55]	1.479 [37.57]	1.594 [40.49]	.906 [23.01]	1.993 [50.62]	SCP74922-*
24	1 1/2-18 UNEF	3.719 [94.46]	1.666 [42.32]	1.719 [43.66]	.953 [24.21]	2.119 [53.82]	SCP74924-*
28	1 3/4-18 UNS	3.719 [94.46]	1.666 [42.32]	1.969 [50.01]	1.094 [27.79]	2.181 [55.40]	SCP74928-*
32	2-18 UNS	4.188 [106.38]	2.135 [54.23]	2.219 [56.36]	1.234 [31.34]	2.570 [65.28]	SCP74932-*
36	2 1/4-16 UN	4.297 [109.14]	2.260 [57.40]	2.469 [62.71]	1.359 [34.52]	2.695 [68.45]	SCP74936-*
40	2 1/2-16 UN	4.516 [114.71]	2.510 [63.75]	2.719 [69.06]	1.422 [36.12]	2.851 [72.42]	SCP74940-*

1. DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.

SCP3108L

SECTION 2A

MIL-DTL-5015 SERIES II

CRIMP, FRONT RELEASE CONTACTS

This Military Specification covers multipin cylindrical connectors and is one of the most widely used for various applications. There are 19 shell sizes, 8 shell configurations, and over 130 insert arrangements containing contact sizes 18, 16, 12, 8, 4, 1/0 and 4/0.

MIL-DTL-5015 has surely stood the test-of-time, having been first used in 1939. Through the years, these connectors have been upgraded with the use of state-of-the-art materials and finishes. The insert arrangements are so versatile that they are used in other series of connectors that use different shells and hardware.

Originally, only solder contacts were available. Today, in addition to solder, these connectors are available with crimp contacts, both front and rear release. The coupling method is by use of an UNF type thread. Other coupling methods, reverse bayonet and double start threads are available.

Shown on the chart below is a comparison between various series.

	MIL-DTL-5015 SERIES I	MIL-DTL-5015 FRONT RELEASE SERIES II	MIL-DTL-5015 REAR RELEASE SERIES III	REVERSE BAYONET	QWL	QWLD
COUPLING	UNF Threads	UNF Threads	UNF Threads	1/3 turn Bayonet	Double start Threads	Double start Threads
SHELL KEYWAYS	1	1	1	1	1	5
REAR ACCESSORY THREADS	Right Hand	Right Hand	Right Hand	Right Hand	Left Hand	Left Hand
BACKSHELLS	With Connectors	Not supplied (1)	Not supplied (1)	With Connectors	Not supplied (1)	Not supplied (1)
CONTACT TYPE	Solder or F80 Crimp	Crimp	Crimp	Solder or F80 Crimp	Solder or F80 Crimp	Solder or F80 Crimp
CONTACT RETENTION	Rubber	Metal Clip	Metal Clip	Rubber	Rubber	Rubber

(1) = Backshells must be purchased separately.

For additional features and technical data see Section 11A

MIL-DTL-5015 SERIES II

CRIMP FRONT RELEASE

ORDERING INFORMATION

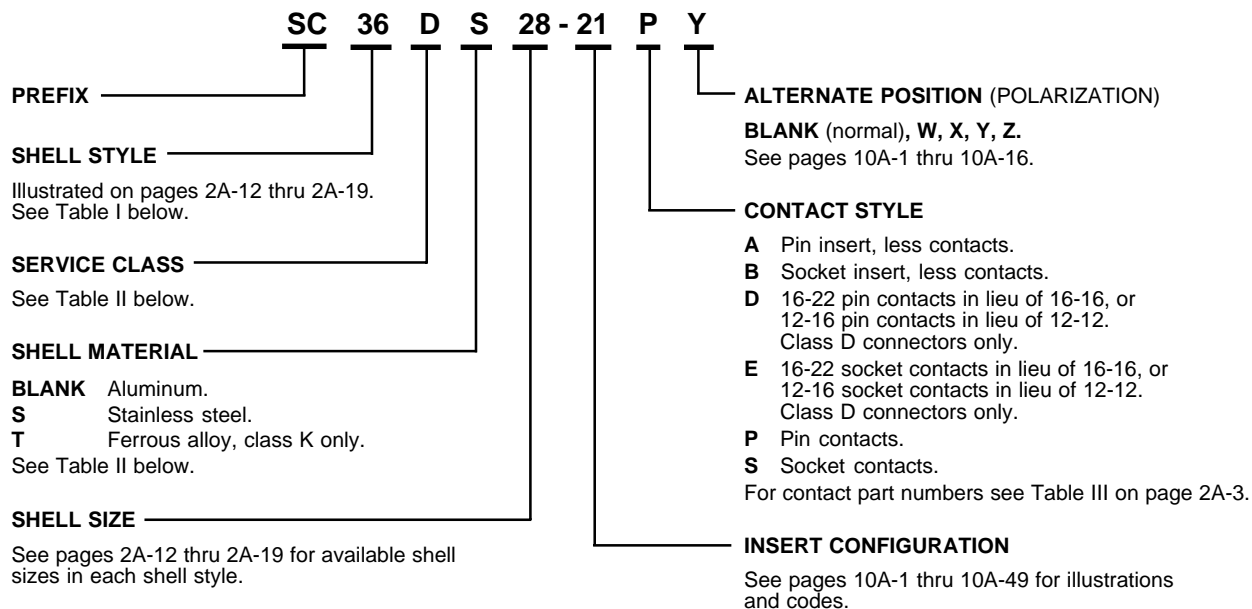


TABLE I. SHELL STYLE

MS NO.	DESCRIPTION	AVAILABLE IN CLASS	SEE PAGE
SC30	Wall mount receptacle	D, DS, KS, KT, LS, W	2A-12
SC31	In-line receptacle	D, DS, LS, W	2A-13
SC32	Box mount receptacle	D, DS, LS, W	2A-14
SC33	Box mount receptacle with threaded rear skirt	D, DS, LS, W	2A-15
SC34	Jam nut receptacle	D, DS, LS, W	2A-16
SC36	Straight plug	D, DS, KS, KT, LS, W	2A-17
SC37	Straight plug with self locking coupling nut	D, DS, KS, KT, LS, W	2A-17
SC38	90° plug	D, DS, LS, W	2A-18
SC39	45° plug	D, DS, LS, W	2A-19

SCP001

TABLE II. SERVICE CLASS/SHELL MATERIAL

CLASS	MATERIAL	FINISH	APPLICATION	TEMPERATURE	FLUID RESISTANCE
D	Wrought aluminum	Cadmium olive drab, 500 hr	High shock	-55 + 175° C	Partial
DS	Stainless	Cadmium, black	High shock	-55 + 175° C	Partial
KS	Stainless	Passivated	Firewall	-55 + 175° C	Complete
KT	Carbon steel	Cadmium olive drab, 96 hr	Firewall	-55 + 175° C	Complete
LS	Stainless	Passivated	High temperature	-55 + 200° C	Complete
W	Aluminum	Cadmium olive drab, 96 hr	General purpose	-55 + 175° C	Complete

SCP002

TABLE III. INSERT AND CONTACT INFORMATION

INSERT NUMBER	CONTACTS			CONTACT PART NUMBER			
	TOTAL	QTY	SIZE	PIN		SOCKET	
				STYLE D	STYLE P	STYLE E	STYLE S
8S-1	1	1	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
10S-2	1	1	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
10SL-3	3	3	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
10SL-4	2	2	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
12-5	1	1	12	M39029/44-289	M39029/44-290	M39029/45-296	M39029/45-297
12S-1	2	2	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
12S-2	2	2	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
12S-3	2	2	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
12S-4	1	1	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
14-3	1	1	8	-	M39029/44-291	-	M39029/45-298
14S-1	3	3	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
14S-2	4	4	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
14S-4	1	1	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
14S-5	5	5	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
14S-6	6	6	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
14S-7	3	3	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
14S-9	2	2	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
14S-10	4	4	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
14S-11	4	4	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
14S-12	3	3	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
14S-13	3	3	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
14S-14	4	4	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
16-2	1	1	12	M39029/44-298	M39029/44-290	M39029/45-296	M39029/45-297
16-7	3	2 1	16 8	-	M39029/44-288 M39029/44-291	-	M39029/45-295 M39029/45-298
16-9	4	2 2	16 12	M39029/44-287 M39029/44-289	M39029/44-288 M39029/44-290	M39029/45-294 M39029/45-296	M39029/45-295 M39029/45-297
16-10	3	3	12	M39029/44-289	M39029/44-290	M39029/45-296	M39029/45-297
16-11	2	2	12	M39029/44-289	M39029/44-290	M39029/45-296	M39029/45-297
16-12	1	1	4	-	M39029/44-292	-	M39029/45-299
16S-1	7	7	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
16S-3	1	1	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
16S-4	2	2	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
16S-5	3	3	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
16S-6	3	3	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
16S-8	5	5	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
16S-14	3	3	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
16S-15	2	2	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
16S-16	2	2	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
16S-17	3	3	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
18-1	10	10	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
18-2	3	3	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
18-3	2	2	12	M39029/44-289	M39029/44-290	M39029/45-296	M39029/45-297
18-4	4	4	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
18-5	3	1 2	16 12	M39029/44-287 M39029/44-289	M39029/44-288 M39029/44-290	M39029/45-294 M39029/45-296	M39029/45-295 M39029/45-297
18-6	1	1	4	-	M39029/44-292	-	M39029/45-299

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MIL-DTL-5015 SERIES II CRIMP, FRONT RELEASE CONTACTS

MIL-DTL-5015 SERIES II

CRIMP FRONT RELEASE

TABLE III. INSERT AND CONTACT INFORMATION (CONT.)

INSERT NUMBER	CONTACTS			CONTACT PART NUMBER			
	TOTAL	QTY	SIZE	PIN		SOCKET	
				STYLE D	STYLE P	STYLE E	STYLE S
18-7	1	1	8	–	M39029/44-291	–	M39029/45-298
18-8	8	7	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
			12	M39029/44-289	M39029/44-290	M39029/45-296	M39029/45-297
18-9	7	5	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
			12	M39029/44-289	M39029/44-290	M39029/45-296	M39029/45-297
18-10	4	4	12	M39029/44-289	M39029/44-290	M39029/45-296	M39029/45-297
18-11	5	5	12	M39029/44-289	M39029/44-290	M39029/45-296	M39029/45-297
18-12	6	6	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
18-13	4	3	12	–	M39029/44-290	–	M39029/45-297
			8	–	M39029/44-291	–	M39029/45-298
18-14	2	1	16	–	M39029/44-288	–	M39029/45-295
			4	–	M39029/44-292	–	M39029/45-299
18-17	7	5	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
			12	M39029/44-289	M39029/44-290	M39029/45-296	M39029/45-297
18-18	7	5	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
			12	M39029/44-289	M39029/44-290	M39029/45-296	M39029/45-297
18-19	10	10	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
18-20	5	5	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
18-21	3	3	12	M39029/44-289	M39029/44-290	M39029/45-296	M39029/45-297
18-22	3	3	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
18-23	10	10	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
18-24	10	10	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
18-25	2	2	12	M39029/44-289	M39029/44-290	M39029/45-296	M39029/45-297
18-26	2	2	12	M39029/44-289	M39029/44-290	M39029/45-296	M39029/45-297
18-27	3	1	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
			12	M39029/44-289	M39029/44-290	M39029/45-296	M39029/45-297
18-28	3	1	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
			12	M39029/44-289	M39029/44-290	M39029/45-296	M39029/45-297
18-29	5	5	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
18-30	5	5	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
18-31	5	5	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
20-1	14	14	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
20-2	1	1	1/0	–	M39029/44-293	–	M39029/45-300
20-3	3	3	12	M39029/44-289	M39029/44-290	M39029/45-296	M39029/45-297
20-4	4	4	12	M39029/44-289	M39029/44-290	M39029/45-296	M39029/45-297
20-5	2	2	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
20-6	3	3	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
20-7	8	8	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
20-8	6	4	16	–	M39029/44-288	–	M39029/45-295
			8	–	M39029/44-291	–	M39029/45-298
20-9	8	7	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
			12	M39029/44-289	M39029/44-290	M39029/45-296	M39029/45-297
20-10	4	4	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
20-11	13	13	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
20-12	2	1	16	–	M39029/44-288	–	M39029/45-295
			4	–	M39029/44-292	–	M39029/45-299
20-13	4	4	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295

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MIL-DTL-5015 SERIES II CRIMP FRONT RELEASE

TABLE III. INSERT AND CONTACT INFORMATION (CONT.)

INSERT NUMBER	CONTACTS			CONTACT PART NUMBER			
	TOTAL	QTY	SIZE	PIN		SOCKET	
				STYLE D	STYLE P	STYLE E	STYLE S
20-14	5	3 2	12 8	-	M39029/44-290 M39029/44-291	-	M39029/45-297 M39029/45-298
20-15	7	7	12	M39029/44-289	M39029/44-290	M39029/45-296	M39029/45-297
20-16	9	7 2	16 12	M39029/44-287 M39029/44-289	M39029/44-288 M39029/44-290	M39029/45-294 M39029/45-296	M39029/45-295 M39029/45-297
20-17	6	1 5	16 12	M39029/44-287 M39029/44-289	M39029/44-288 M39029/44-290	M39029/45-294 M39029/45-296	M39029/45-295 M39029/45-297
20-18	9	6 3	16 12	M39029/44-287 M39029/44-289	M39029/44-288 M39029/44-290	M39029/45-294 M39029/45-296	M39029/45-295 M39029/45-297
20-19	3	3	8	-	M39029/44-291	-	M39029/45-298
20-20	4	3 1	12 4	-	M39029/44-290 M39029/44-292	-	M39029/45-297 M39029/45-299
20-21	9	8 1	16 12	M39029/44-287 M39029/44-289	M39029/44-288 M39029/44-290	M39029/45-294 M39029/45-296	M39029/45-295 M39029/45-297
20-22	6	3 3	16 8	-	M39029/44-288 M39029/44-291	-	M39029/45-295 M39029/45-298
20-23	2	2	8	-	M39029/44-291	-	M39029/45-298
20-24	4	2 2	16 8	-	M39029/44-288 M39029/44-291	-	M39029/45-295 M39029/45-298
20-25	13	13	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
20-26	3	3	12	M39029/44-289	M39029/44-290	M39029/45-296	M39029/45-297
20-27	14	14	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
20-29	17	17	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
20-30	13	13	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
20-31	11	11	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
20-32	8	8	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
20-33	11	11	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
22-1	2	2	8	-	M39029/44-291	-	M39029/45-298
22-2	3	3	8	-	M39029/44-291	-	M39029/45-298
22-3	2	1 1	16 4	-	M39029/44-288 M39029/44-292	-	M39029/45-295 M39029/45-299
22-4	4	2 2	12 8	-	M39029/44-290 M39029/44-291	-	M39029/45-297 M39029/45-298
22-5	6	4 2	16 12	M39029/44-287 M39029/44-289	M39029/44-288 M39029/44-290	M39029/45-294 M39029/45-296	M39029/45-295 M39029/45-297
22-6	3	1 2	16 8	-	M39029/44-288 M39029/44-291	-	M39029/45-295 M39029/45-298
22-7	1	1	1/0	-	M39029/44-293	-	M39029/45-300
22-8	2	2	12	M39029/44-289	M39029/44-290	M39029/45-296	M39029/45-297
22-9	3	3	12	M39029/44-289	M39029/44-290	M39029/45-296	M39029/45-297
22-10	4	4	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
22-11	2	2	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
22-12	5	3 2	16 8	-	M39029/44-288 M39029/44-291	-	M39029/45-295 M39029/45-298
22-13	5	1 4	16 12	M39029/44-287 M39029/44-289	M39029/44-288 M39029/44-290	M39029/45-294 M39029/45-296	M39029/45-295 M39029/45-297

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MIL-DTL-5015 SERIES II CRIMP, FRONT RELEASE CONTACTS

MIL-DTL-5015 SERIES II

CRIMP FRONT RELEASE

TABLE III. INSERT AND CONTACT INFORMATION (CONT.)

INSERT NUMBER	CONTACTS			CONTACT PART NUMBER			
	TOTAL	QTY	SIZE	PIN		SOCKET	
				STYLE D	STYLE P	STYLE E	STYLE S
22-14	19	19	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
22-15	6	1	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
		5	12	M39029/44-289	M39029/44-290	M39029/45-294	M39029/45-297
22-16	9	6	16	M39029/44-287	M39029/44-288	M39029/45-296	M39029/45-295
		3	12	M39029/44-289	M39029/44-290	M39029/45-296	M39029/45-297
22-17	9	8	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
		1	12	M39029/44-289	M39029/44-290	M39029/45-296	M39029/45-297
22-18	8	8	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
22-19	14	14	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
22-20	9	9	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
22-21	3	2	16	—	M39029/44-288	—	M39029/45-295
		1	1/0	—	M39029/44-293	—	M39029/45-300
22-22	4	4	8	—	M39029/44-291	—	M39029/45-298
22-23	8	8	12	M39029/44-289	M39029/44-290	M39029/45-296	M39029/45-297
22-24	6	1	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
		5	12	M39029/44-289	M39029/44-290	M39029/45-296	M39029/45-297
22-25	3	2	16	—	M39029/44-288	—	M39029/45-295
		1	1/0	—	M39029/44-293	—	M39029/45-300
22-26	7	5	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
		2	12	M39029/44-289	M39029/44-290	M39029/45-296	M39029/45-297
22-27	9	8	16	—	M39029/44-288	—	M39029/45-295
		1	8	—	M39029/44-291	—	M39029/45-298
22-28	7	7	12	M39029/44-289	M39029/44-290	M39029/45-296	M39029/45-297
22-29	7	6	16	—	M39029/44-288	—	M39029/45-295
		1	4	—	M39029/44-292	—	M39029/45-299
22-30	19	19	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
22-31	2	2	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
22-32	6	4	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
		2	12	M39029/44-289	M39029/44-290	M39029/45-296	M39029/45-297
22-33	7	7	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
22-34	5	2	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
		3	12	M39029/44-289	M39029/44-290	M39029/45-296	M39029/45-297
22-35	3	3	8	—	M39029/44-291	—	M39029/45-298
24-1	2	1	12	—	M39029/44-290	—	M39029/45-297
		1	1/0	—	M39029/44-293	—	M39029/45-300
24-2	7	7	12	M39029/44-289	M39029/44-290	M39029/45-296	M39029/45-297
24-3	7	5	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
24-4	4	3	12	—	M39029/44-290	—	M39029/45-297
		1	1/0	—	M39029/44-293	—	M39029/45-300
24-5	16	16	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
24-6	8	8	12	M39029/44-289	M39029/44-290	M39029/45-296	M39029/45-297
24-7	16	14	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
		2	12	M39029/44-289	M39029/44-290	M39029/45-296	M39029/45-297
24-9	2	2	4	—	M39029/44-292	—	M39029/45-299
24-10	7	7	8	—	M39029/44-291	—	M39029/45-298
24-11	9	6	12	—	M39029/44-290	—	M39029/45-297
		3	8	—	M39029/44-291	—	M39029/45-298

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MIL-DTL-5015 SERIES II CRIMP FRONT RELEASE

TABLE III. INSERT AND CONTACT INFORMATION (CONT.)

INSERT NUMBER	CONTACTS			CONTACT PART NUMBER			
	TOTAL	QTY	SIZE	PIN		SOCKET	
				STYLE D	STYLE P	STYLE E	STYLE S
24-12	5	3 2	12 4	-	M39029/44-290 M39029/44-292	-	M39029/45-297 M39029/45-299
24-14	3	2 1	12 1/0	-	M39029/44-290 M39029/44-293	-	M39029/45-297 M39029/45-300
24-15	16	16	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
24-16	7	3 3 1	16 12 8	-	M39029/44-288 M39029/44-290 M39029/44-291	-	M39029/45-295 M39029/45-297 M39029/45-298
24-17	5	3 2	16 12	M39029/44-287 M39029/44-289	M39029/44-288 M39029/44-290	M39029/45-294 M39029/45-296	M39029/45-295 M39029/45-297
24-19	12	12	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
24-20	11	9 2	16 12	M39029/44-287 M39029/44-289	M39029/44-288 M39029/44-290	M39029/45-294 M39029/45-296	M39029/45-295 M39029/45-297
24-21	10	9 1	16 8	-	M39029/44-288 M39029/44-291	-	M39029/45-295 M39029/45-298
24-22	4	4	8	-	M39029/44-291	-	M39029/45-298
24-23	5	2 3	16 8	-	M39029/44-288 M39029/44-291	-	M39029/45-295 M39029/45-298
24-24	16	16	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
24-25	8	8	12	M39029/44-289	M39029/44-290	M39029/45-296	M39029/45-297
24-26	8	8	12	M39029/44-289	M39029/44-290	M39029/45-296	M39029/45-297
24-27	7	7	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
24-28	24	24	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
24-80	23	23	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
28-1	9	6 3	12 8	-	M39029/44-290 M39029/44-291	-	M39029/45-297 M39029/45-298
28-2	14	12	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
28-3	3	3	8	-	M39029/44-291	-	M39029/45-298
28-4	9	7 2	16 12	M39029/44-287 M39029/44-289	M39029/44-288 M39029/44-290	M39029/45-294 M39029/45-296	M39029/45-295 M39029/45-297
28-5	5	2 1 2	16 12 4	-	M39029/44-288 M39029/44-290 M39029/44-292	-	M39029/45-295 M39029/45-297 M39029/45-299
28-6	3	3	4	-	M39029/44-292	-	M39029/45-299
28-7	2	2	4	-	M39029/44-292	-	M39029/45-299
28-8	12	10 2	16 12	M39029/44-287 M39029/44-289	M39029/44-288 M39029/44-290	M39029/45-294 M39029/45-296	M39029/45-295 M39029/45-297
28-9	12	6 6	16 12	M39029/44-287 M39029/44-289	M39029/44-288 M39029/44-290	M39029/45-294 M39029/45-296	M39029/45-295 M39029/45-297
28-10	7	3 2 2	12 8 4	-	M39029/44-290 M39029/44-291 M39029/44-292	-	M39029/45-297 M39029/45-298 M39029/45-299
28-11	22	18 4	16 12	M39029/44-287 M39029/44-289	M39029/44-288 M39029/44-290	M39029/45-294 M39029/45-296	M39029/45-295 M39029/45-297
28-12	26	26	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
28-13	26	26	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295

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MIL-DTL-5015 SERIES II CRIMP, FRONT RELEASE CONTACTS

MIL-DTL-5015 SERIES II

CRIMP FRONT RELEASE

TABLE III. INSERT AND CONTACT INFORMATION (CONT.)

INSERT NUMBER	CONTACTS			CONTACT PART NUMBER			
	TOTAL	QTY	SIZE	PIN		SOCKET	
				STYLE D	STYLE P	STYLE E	STYLE S
28-14	11	11	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
28-15	35	35	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
28-16	20	20	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
28-17	15	15	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
28-18	12	12	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
28-19	10	6	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
		4	12	M39029/44-289	M39029/44-290	M39029/45-296	M39029/45-297
28-20	14	4	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
		10	12	M39029/44-289	M39029/44-290	M39029/45-296	M39029/45-297
28-21	37	37	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
28-22	6	3	16	-	M39029/44-288	-	M39029/45-295
		3	4		M39029/44-292		M39029/45-299
28-23	24	21	16	-	M39029/44-288	-	M39029/45-295
		3	8S*		Mfr Supplied		Mfr Supplied
28-24	24	21	16	-	M39029/44-288	-	M39029/45-295
		3	8S*		Mfr Supplied		Mfr Supplied
32-1	5	3	12	-	M39029/44-290	-	M39029/45-297
		2	1/0		M39029/44-293		M39029/45-300
32-2	5	2	16	-	M39029/44-288	-	M39029/45-295
		3	4		M39029/44-292		M39029/45-299
32-3	9	4	16	-	M39029/44-288	-	M39029/45-295
		2	12		M39029/44-290		M39029/45-297
		2	4		M39029/44-292		M39029/45-299
		1	1/0		M39029/44-293		M39029/45-300
32-4	14	12	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
		2	12	M39029/44-289	M39029/44-290	M39029/45-296	M39029/45-297
32-5	2	2	1/0	-	M39029/44-293	-	M39029/45-300
32-6	23	16	16	-	M39029/44-288	-	M39029/45-295
		2	12		M39029/44-290		M39029/45-297
		3	8		M39029/44-291		M39029/45-298
		2	4		M39029/44-292		M39029/45-299
32-7	35	28	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
		7	12	M39029/44-289	M39029/44-290	M39029/45-296	M39029/45-297
32-8	30	24	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
		6	12	M39029/44-289	M39029/44-290	M39029/45-296	M39029/45-297
32-9	14	12	16	-	M39029/44-288	-	M39029/45-295
		2	4		M39029/44-292		M39029/45-299
32-10	7	3	16	-	M39029/44-288	-	M39029/45-295
		2	8		M39029/44-291		M39029/45-298
		2	4		M39029/44-292		M39029/45-299
32-12	15	10	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
		5	12	M39029/44-289	M39029/44-290	M39029/45-296	M39029/45-297
32-13	23	18	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
		5	12	M39029/44-289	M39029/44-290	M39029/45-296	M39029/45-297
32-14	7	5	12	-	M39029/44-290	-	M39029/45-297
		2	4		M39029/44-293		M39029/45-300
32-15	8	6	12	-	M39029/44-290	-	M39029/45-297
		2	1/0		M39029/44-293		M39029/45-300

*8S = Size 8 shielded.

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SERIES II **MIL-DTL-5015**
CRIMP FRONT RELEASE

TABLE III. INSERT AND CONTACT INFORMATION (CONT.)

INSERT NUMBER	CONTACTS			CONTACT PART NUMBER			
	TOTAL	QTY	SIZE	PIN		SOCKET	
				STYLE D	STYLE P	STYLE E	STYLE S
32-16	23	16	16	-	M39029/44-288	-	M39029/45-295
		2	12		M39029/44-290		M39029/45-297
		3	8		M39029/44-291		M39029/45-298
		2	4		M39029/44-292		M39029/45-299
32-17	4	4	4	-	M39029/44-292	-	M39029/45-299
32-18	14	12	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
		2	12	M39029/44-289	M39029/44-290	M39029/45-296	M39029/45-297
32-19	5	3	12	-	M39029/44-290	-	M39029/45-297
		2	1/0	M39029/44-293	M39029/44-293	M39029/45-300	M39029/45-300
32-20	23	16	16	-	M39029/44-288	-	M39029/45-295
		2	12		M39029/44-290		M39029/45-297
		3	8		M39029/44-291		M39029/45-298
		2	4		M39029/44-292		M39029/45-299
32-22	54	54	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
32-63	5	5	4	-	M39029/44-292	-	M39029/45-299
32-73	46	46	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
36-1	22	18	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
		4	12	M39029/44-289	M39029/44-290	M39029/45-296	M39029/45-297
36-2	5	2	12	-	M39029/44-290	-	M39029/45-297
		3	1/0	-	M39029/44-293	-	M39029/45-300
36-3	6	3	12	-	M39029/44-290	-	M39029/45-297
		3	1/0	-	M39029/44-293	-	M39029/45-300
36-4	3	3	1/0	-	M39029/44-293	-	M39029/45-300
36-5	4	4	1/0	-	M39029/44-293	-	M39029/45-300
36-6	6	4	4	-	M39029/44-292	-	M39029/45-299
36-7	47	40	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
		7	12	M39029/44-289	M39029/44-290	M39029/45-296	M39029/45-297
36-8	47	46	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
		1	12	M39029/44-289	M39029/44-290	M39029/45-296	M39029/45-297
36-9	31	14	16	-	M39029/44-288	-	M39029/45-295
		14	12		M39029/44-290		M39029/45-297
		2	8		M39029/44-291		M39029/45-298
		1	4		M39029/44-292		M39029/45-299
36-10	48	48	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
36-11	48	48	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
36-12	48	48	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
36-13	17	15	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
		2	12	M39029/44-289	M39029/44-290	M39029/45-296	M39029/45-297
36-14	16	6	16	-	M39029/44-288	-	M39029/45-295
		5	12		M39029/44-290		M39029/45-297
		5	8		M39029/44-291		M39029/45-298
36-15	35	35	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
36-16	47	40	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
		7	12	M39029/44-289	M39029/44-290	M39029/45-296	M39029/45-297
36-17	47	40	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
		7	12	M39029/44-289	M39029/44-290	M39029/45-296	M39029/45-297

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MIL-DTL-5015 SERIES II CRIMP, FRONT RELEASE CONTACTS

MIL-DTL-5015 SERIES II

CRIMP FRONT RELEASE

TABLE III. INSERT AND CONTACT INFORMATION (CONT.)

INSERT NUMBER	CONTACTS			CONTACT PART NUMBER			
	TOTAL	QTY	SIZE	PIN		SOCKET	
				STYLE D	STYLE P	STYLE E	STYLE S
36-18	31	14	16	-	M39029/44-288	-	M39029/45-295
		14	12		M39029/44-290		M39029/45-297
		2	8		M39029/44-291		M39029/45-298
		1	4		M39029/44-292		M39029/45-299
36-19	17	10	16	-	M39029/44-288	-	M39029/45-295
		5	12		M39029/44-290		M39029/45-297
		1	4		M39029/44-292		M39029/45-299
		1	1/0		M39029/44-293		M39029/45-300
36-20	34	30	16	-	M39029/44-288	-	M39029/45-295
		2	12		M39029/44-290		M39029/45-297
		2	8		M39029/44-291		M39029/45-298
36-21	31	14	16	-	M39029/44-288	-	M39029/45-295
		14	12		M39029/44-290		M39029/45-297
		2	8		M39029/44-291		M39029/45-298
		1	4		M39029/44-292		M39029/45-299
36-52	52	50	16	-	M39029/44-288	-	M39029/45-295
		2	1/0		M39029/44-293		M39029/45-300
36-66	56	52	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
		4	12	M39029/44-289	M39029/44-290	M39029/45-296	M39029/45-297
40-1	30	24	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
		6	12	M39029/44-289	M39029/44-290	M39029/45-296	M39029/45-297
40-2	23	23	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
40-3	23	18	16	-	M39029/44-288	-	M39029/45-295
		4	12		M39029/44-290		M39029/45-297
		1	4		M39029/44-292		M39029/45-299
40-4	23	16	16	-	M39029/44-288	-	M39029/45-295
		2	12		M39029/44-290		M39029/45-297
		3	8		M39029/44-291		M39029/45-298
		2	4		M39029/44-292		M39029/45-299
40-5	15	6	12	-	M39029/44-290	-	M39029/45-297
		4	8		M39029/44-291		M39029/45-298
		2	4		M39029/44-292		M39029/45-299
		3	1/0		M39029/44-293		M39029/45-300
40-6	26	24	16	-	M39029/44-288	-	M39029/45-295
		1	12		M39029/44-290		M39029/45-297
		1	1/0		M39029/44-293		M39029/45-300
40-7	22	18	16	-	M39029/44-288	-	M39029/45-295
		2	12		M39029/44-290		M39029/45-297
		2	1/0		M39029/44-293		M39029/45-300
40-9	47	24	16	-	M39029/44-288	-	M39029/45-295
		22	12		M39029/44-290		M39029/45-297
		1	8		M39029/44-291		M39029/45-298
40-10	29	16	16	-	M39029/44-288	-	M39029/45-295
		9	8		M39029/44-291		M39029/45-298
		4	4		M39029/44-292		M39029/45-299
40-11	25	18	16	-	M39029/44-288	-	M39029/45-295
		4	12		M39029/44-290		M39029/45-297
		1	8		M39029/44-291		M39029/45-298
		1	4		M39029/44-292		M39029/45-299
40-12	29	1	1/0	M39029/44-293	M39029/44-293	M39029/45-300	M39029/45-300
		22	16	-	M39029/44-288	-	M39029/45-295
		6	12		M39029/44-290		M39029/45-297
		1	1/0		M39029/44-293		M39029/45-300
40-13	23	23	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
40-14	32	21	16	-	M39029/44-288	-	M39029/45-295
		10	12		M39029/44-290		M39029/45-297
		1	1/0		M39029/44-293		M39029/45-300
40-56	85	85	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
40-62	60	60	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
44-1	42	36	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
		6	12	M39029/44-289	M39029/44-290	M39029/45-296	M39029/45-297

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TABLE III. INSERT AND CONTACT INFORMATION (CONT.)

INSERT NUMBER	CONTACTS			CONTACT PART NUMBER			
	TOTAL	QTY	SIZE	PIN		SOCKET	
				STYLE D	STYLE P	STYLE E	STYLE S
44-2	31	14 14 2 1	16 12 8 4	-	M39029/44-288 M39029/44-290 M39029/44-291 M39029/44-292	-	M39029/45-295 M39029/45-297 M39029/45-298 M39029/45-299
44-3	31	24 3 2 2	16 12 8 4	-	M39029/44-288 M39029/44-290 M39029/44-291 M39029/44-292	-	M39029/45-295 M39029/45-297 M39029/45-298 M39029/45-299
44-4	41	31 8 2	16 12 1/0	-	M39029/44-288 M39029/44-290 M39029/44-293	-	M39029/45-295 M39029/45-297 M39029/45-300
44-5	42	36 6	16 12	M39029/44-287 M39029/44-289	M39029/44-288 M39029/44-290	M39029/45-294 M39029/45-296	M39029/45-295 M39029/45-297
44-6	42	36 6	16 12	M39029/44-287 M39029/44-289	M39029/44-288 M39029/44-290	M39029/45-294 M39029/45-296	M39029/45-295 M39029/45-297
44-52	104	104	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
48-1	15	6 4 2 3	12 8 4 1/0	-	M39029/44-290 M39029/44-291 M39029/44-292 M39029/44-293	-	M39029/45-297 M39029/45-298 M39029/45-299 M39029/45-300
48-2	47	46 1	16 12	M39029/44-287 M39029/44-289	M39029/44-288 M39029/44-290	M39029/45-294 M39029/45-296	M39029/45-295 M39029/45-297
48-3	25	18 1 3 3	16 12 8 1/0	-	M39029/44-288 M39029/44-290 M39029/44-291 M39029/44-293	-	M39029/45-295 M39029/45-297 M39029/45-298 M39029/45-300
48-4	68	47 16 3 2	16 12 8 1/0	-	M39029/44-288 M39029/44-290 M39029/44-291 M39029/44-293	-	M39029/45-295 M39029/45-297 M39029/45-298 M39029/45-300
48-5	100	90 9 1	16 12 8	-	M39029/44-288 M39029/44-290 M39029/44-291	-	M39029/45-295 M39029/45-297 M39029/45-298
48-62	85	85	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295

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MIL-DTL-5015 SERIES II CRIMP, FRONT RELEASE CONTACTS

TABLE IV. TOOLING

CONTACT PART NUMBER (REFERENCE)	INSERTION TOOL	REMOVAL TOOL	WIRE SIZE	TOOL FRAME		POSITIONER/LOCATOR		CRIMP DIE	
				PART NUMBER	SETTING	PART NUMBER	COLOR	PART NUMBER	CAVITY
M39029/44-287	M81969/17-09	M81969/19-01	22-24	M22520/1-01	-	M22520/1-02	Blue	-	-
M39029/44-288	M81969/17-01	M81969/19-01	16-20	M22520/1-01	-	M22520/1-02	Blue	-	-
M39029/44-289	M81969/17-02	M81969/19-02	16-20	M22520/1-01	-	M22520/1-02	Yellow	-	-
M39029/44-290	M81969/17-02	M81969/19-02	12-14	M22520/1-01	-	M22520/1-02	Yellow	-	-
M39029/44-291	M81969/17-06	M81969/19-03	8	M22520/23-01	-	M22520/23-09	-	M22520/23-02	-
M39029/44-292	M81969/17-07	M81969/19-04	4	M22520/23-01	-	M22520/23-11	-	M22520/23-04	-
M39029/44-293	M81969/17-08	M81969/19-05	1/0	M22520/23-01	-	M22520/23-13	-	M22520/23-05	-
M39029/45-294	M81969/17-09	M81969/19-01	22-24	M22520/1-01	-	M22520/1-02	Blue	-	-
M39029/45-295	M81969/17-01	M81969/19-01	16-20	M22520/1-01	-	M22520/1-02	Blue	-	-
M39029/45-296	M81969/17-02	M81969/19-02	16-20	M22520/1-01	-	M22520/1-02	Yellow	-	-
M39029/45-297	M81969/17-02	M81969/19-02	12-14	M22520/1-01	-	M22520/1-02	Yellow	-	-
M39029/45-298	M81969/17-06	M81969/19-03	8	M22520/23-01	-	M22520/23-09	-	M22520/23-02	-
M39029/45-299	M81969/17-07	M81969/19-04	4	M22520/23-01	-	M22520/23-11	-	M22520/23-04	-
M39029/45-300	M81969/17-08	M81969/19-05	1/0	M22520/23-01	-	M22520/23-13	-	M22520/23-05	-

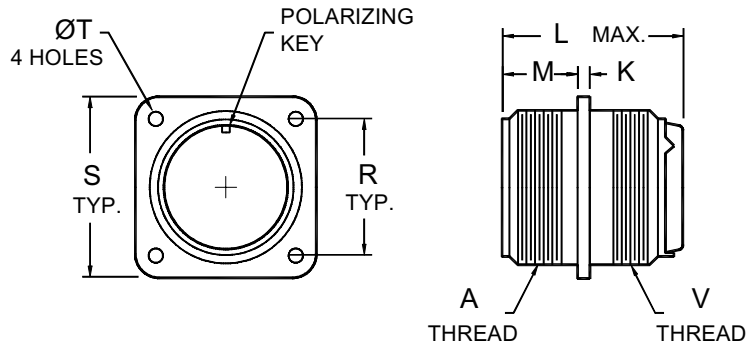
NOTE 1. Consult factory.

SC116

SC30

WALL MOUNT RECEPTACLE

CRIMP FRONT RELEASE

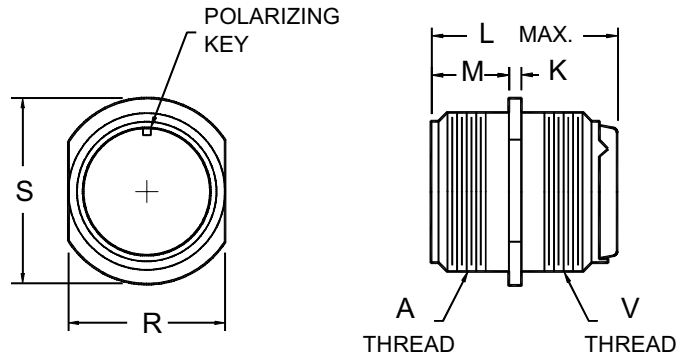


SHELL SIZE	A COUPLING THREAD CLASS 2A	K ±.015 [±0.38]	L MAX.		M +.031 -.000 [+0.79] [-0.00]	R T.P. CL - CL	S ±.031 [±0.79]	T +.010 -.005 [+0.25] [-0.13]		V ACCESSORY THREAD CLASS 2A
			CONTACT SIZE					CLASS		
			16 & 12	8,4 & 0				K	D,L,U,W	
8S	1/2-28 UNEF	.083 [2.11]	2.031 [51.59]	-	.562 [14.27]	.594 [15.09]	.875 [22.22]	.150 [3.81]	.120 [3.05]	1/2-20 UNF
10S	5/8-24 UNEF	.083 [2.11]	2.031 [51.59]	-	.562 [14.27]	.719 [18.26]	1.000 [25.40]	.150 [3.81]	.120 [3.05]	5/8-24 UNEF
10SL	5/8-24 UNEF	.083 [2.11]	2.031 [51.59]	-	.562 [14.27]	.719 [18.26]	1.000 [25.40]	.150 [3.81]	.120 [3.05]	5/8-24 UNEF
12S	3/4-20 UNEF	.083 [2.11]	2.031 [51.59]	-	.562 [14.27]	.812 [20.62]	1.094 [27.79]	.150 [3.81]	.120 [3.05]	3/4-20 UNEF
12	3/4-20 UNEF	.083 [2.11]	2.125 [53.97]	-	.750 [19.05]	.812 [20.62]	1.094 [27.79]	.150 [3.81]	.120 [3.05]	3/4-20 UNEF
14S	7/8-20 UNEF	.083 [2.11]	2.031 [51.59]	-	.562 [14.27]	.906 [23.01]	1.188 [30.18]	.150 [3.81]	.120 [3.05]	7/8-20 UNEF
14	7/8-20 UNEF	.083 [2.11]	2.125 [53.97]	-	.750 [19.05]	.906 [23.01]	1.188 [30.18]	.150 [3.81]	.120 [3.05]	7/8-20 UNEF
16S	1-20 UNEF	.083 [2.11]	2.031 [51.59]	-	.562 [14.27]	.969 [24.61]	1.281 [32.54]	.150 [3.81]	.120 [3.05]	1-20 UNEF
16	1-20 UNEF	.083 [2.11]	2.125 [53.97]	2.500 [63.50]	.750 [19.05]	.969 [24.61]	1.281 [32.54]	.150 [3.81]	.120 [3.05]	1-20 UNEF
18	1 1/8-18 UNEF	.125 [3.17]	2.125 [53.97]	2.500 [63.50]	.750 [19.05]	1.062 [26.97]	1.375 [34.92]	.177 [4.50]	.120 [3.05]	1 1/16-18 UNEF
20	1 1/4-18 UNEF	.125 [3.17]	2.125 [53.97]	2.500 [63.50]	.750 [19.05]	1.166 [29.36]	1.500 [38.10]	.177 [4.50]	.120 [3.05]	1 3/16-18 UNEF
22	1 3/8-18 UNEF	.125 [3.17]	2.125 [53.97]	2.500 [63.50]	.750 [19.05]	1.250 [31.75]	1.625 [41.27]	.177 [4.50]	.120 [3.05]	1 5/16-18 UNEF
24	1 1/2-18 UNEF	.125 [3.17]	2.125 [53.97]	2.500 [63.50]	.812 [20.62]	1.375 [34.92]	1.750 [44.45]	.177 [4.50]	.147 [3.73]	1 7/16-18 UNEF
28	1 3/4-18 UNS	.125 [3.17]	2.125 [53.97]	2.500 [63.50]	.812 [20.62]	1.562 [39.67]	2.000 [50.80]	.177 [4.50]	.147 [3.73]	1 3/4-18 UNS
32	2-18 UNS	.125 [3.17]	2.125 [53.97]	2.500 [63.50]	.875 [22.22]	1.750 [44.45]	2.250 [57.15]	.209 [5.31]	.173 [4.39]	2-18 UNS
36	2 1/4-16 UN	.125 [3.17]	2.125 [53.97]	2.500 [63.50]	.875 [22.22]	1.938 [49.22]	2.500 [63.50]	.209 [5.31]	.173 [4.39]	2 1/4-16 UN
40	2 1/2-16 UN	.125 [3.17]	2.125 [53.97]	2.500 [63.50]	.875 [22.22]	2.188 [55.58]	2.750 [69.85]	.209 [5.31]	.173 [4.39]	2 1/2-16 UN
44	2 3/4-16 UN	.125 [3.17]	2.125 [53.97]	2.500 [63.50]	.875 [22.22]	2.375 [60.32]	3.000 [76.20]	.209 [5.31]	.173 [4.39]	2 3/4-16 UN
48	3-16 UN	.125 [3.17]	2.125 [53.97]	2.500 [63.50]	.875 [22.22]	2.625 [66.67]	3.250 [82.55]	.209 [5.31]	.173 [4.39]	3-16 UN

DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.

1C036

IN-LINE RECEPTACLE CRIMP FRONT RELEASE



SHELL SIZE	A COUPLING THREAD CLASS 2A	K ±.015 [±0.38]	L MAX.		M +.031 -.000 [+0.79] [-0.00]	R		S ±.031 [±0.79]	V ACCESSORY THREAD CLASS 2A
			CONTACT SIZE			MAX.	MIN.		
			16 & 12	8,4 & 0					
8S	1/2-28 UNEF	.083 [2.11]	2.031 [51.59]	-	.562 [14.27]	.504 [12.80]	.496 [12.60]	.729 [18.52]	1/2-20 UNF
10S	5/8-24 UNEF	.083 [2.11]	2.031 [51.59]	-	.562 [14.27]	.629 [15.98]	.621 [15.77]	.854 [21.69]	5/8-24 UNEF
10SL	5/8-24 UNEF	.083 [2.11]	2.031 [51.59]	-	.562 [14.27]	.629 [15.98]	.621 [15.77]	.854 [21.69]	5/8-24 UNEF
12S	3/4-20 UNEF	.083 [2.11]	2.031 [51.59]	-	.562 [14.27]	.754 [19.15]	.746 [18.95]	.974 [24.74]	3/4-20 UNEF
12	3/4-20 UNEF	.083 [2.11]	2.125 [53.97]	-	.750 [19.05]	.754 [19.15]	.746 [18.95]	.974 [24.74]	3/4-20 UNEF
14S	7/8-20 UNEF	.083 [2.11]	2.031 [51.59]	-	.562 [14.27]	.879 [22.33]	.871 [22.12]	1.099 [27.91]	7/8-20 UNEF
14	7/8-20 UNEF	.083 [2.11]	2.125 [53.97]	-	.750 [19.05]	.879 [22.33]	.871 [22.12]	1.099 [27.91]	7/8-20 UNEF
16S	1-20 UNEF	.083 [2.11]	2.031 [51.59]	-	.562 [14.27]	1.005 [25.53]	.996 [25.30]	1.224 [31.09]	1-20 UNEF
16	1-20 UNEF	.083 [2.11]	2.125 [53.97]	2.500 [63.50]	.750 [19.05]	1.005 [25.53]	.996 [25.30]	1.224 [31.09]	1-20 UNEF
18	1 1/8-18 UNEF	.125 [3.17]	2.125 [53.97]	2.500 [63.50]	.750 [19.05]	1.131 [28.73]	1.121 [28.47]	1.349 [34.26]	1 1/16-18 UNEF
20	1 1/4-18 UNEF	.125 [3.17]	2.125 [53.97]	2.500 [63.50]	.750 [19.05]	1.256 [31.90]	1.246 [31.65]	1.474 [37.44]	1 3/16-18 UNEF
22	1 3/8-18 UNEF	.125 [3.17]	2.125 [53.97]	2.500 [63.50]	.750 [19.05]	1.381 [35.08]	1.371 [34.82]	1.599 [40.61]	1 5/16-18 UNEF
24	1 1/2-18 UNEF	.125 [3.17]	2.125 [53.97]	2.500 [63.50]	.812 [20.62]	1.506 [38.25]	1.496 [38.00]	1.715 [43.56]	1 7/16-18 UNEF
28	1 3/4-18 UNS	.125 [3.17]	2.125 [53.97]	2.500 [63.50]	.812 [20.62]	1.756 [44.60]	1.746 [44.35]	1.974 [50.14]	1 3/4-18 UNS
32	2-18 UNS	.125 [3.17]	2.125 [53.97]	2.500 [63.50]	.875 [22.22]	2.007 [50.98]	1.996 [50.70]	2.224 [56.49]	2-18 UNS
36	2 1/4-16 UN	.125 [3.17]	2.125 [53.97]	2.500 [63.50]	.875 [22.22]	2.257 [57.33]	2.246 [57.05]	2.474 [62.84]	2 1/4-16 UN
40	2 1/2-16 UN	.125 [3.17]	2.125 [53.97]	2.500 [63.50]	.875 [22.22]	2.511 [63.78]	2.496 [63.40]	2.724 [69.19]	2 1/2-16 UN
44	2 3/4-16 UN	.125 [3.17]	2.125 [53.97]	2.500 [63.50]	.875 [22.22]	2.761 [70.13]	2.746 [69.75]	2.974 [75.54]	2 3/4-16 UN
48	3-16 UN	.125 [3.17]	2.125 [53.97]	2.500 [63.50]	.875 [22.22]	3.011 [76.48]	2.996 [76.10]	3.224 [81.89]	3-16 UN

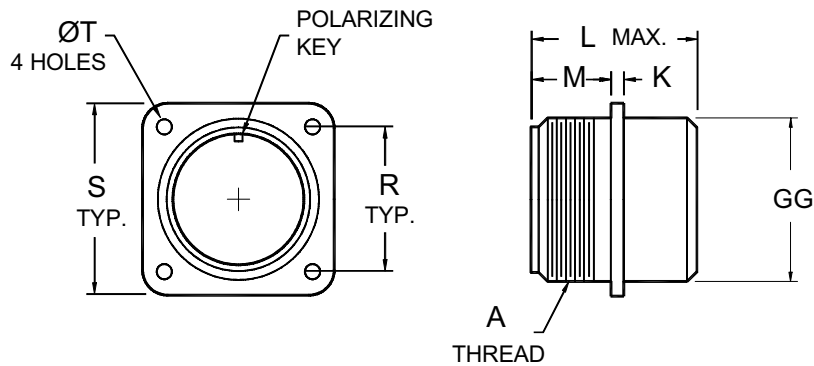
DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.

1C039

SC32

BOX MOUNT RECEPTACLE

CRIMP FRONT RELEASE

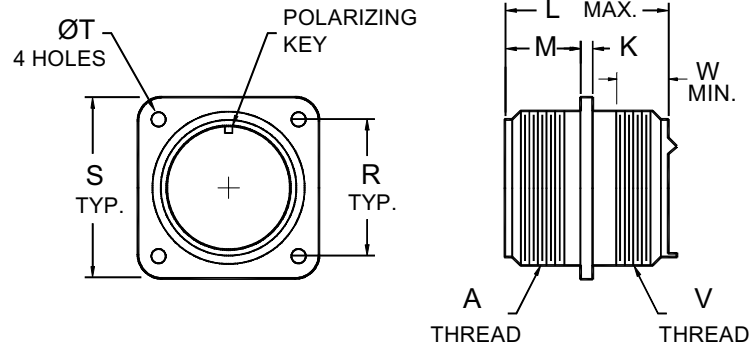


SHELL SIZE	A COUPLING THREAD CLASS 2A	K ± 0.015 [± 0.38]	L MAX.		M $+0.031$ -0.000 [+0.79] [-0.00]	R T.P. $Q_L - Q_L$	S ± 0.031 [± 0.79]	T $+0.010$ -0.005 [+0.25] [-0.13]	$\varnothing GG$ ± 0.016 [± 0.41]
			CONTACT SIZE						
			16 & 12	8, 4 & 0					
8S	1/2-28 UNEF	.083 [2.11]	1.662 [42.21]	-	.562 [14.27]	.594 [15.09]	.875 [22.22]	.120 [3.05]	.453 [11.51]
10S	5/8-24 UNEF	.083 [2.11]	1.662 [42.21]	-	.562 [14.27]	.719 [18.26]	1.000 [25.40]	.120 [3.05]	.625 [15.87]
10SL	5/8-24 UNEF	.083 [2.11]	1.662 [42.21]	-	.562 [14.27]	.719 [18.26]	1.000 [25.40]	.120 [3.05]	.625 [15.87]
12S	3/4-20 UNEF	.083 [2.11]	1.662 [42.21]	-	.562 [14.27]	.812 [20.62]	1.094 [27.79]	.120 [3.05]	.750 [19.05]
12	3/4-20 UNEF	.083 [2.11]	1.662 [42.21]	-	.750 [19.05]	.812 [20.62]	1.094 [27.79]	.120 [3.05]	.750 [19.05]
14S	7/8-20 UNEF	.083 [2.11]	1.662 [42.21]	-	.562 [14.27]	.906 [23.01]	1.188 [30.18]	.120 [3.05]	.875 [22.22]
14	7/8-20 UNEF	.083 [2.11]	1.662 [42.21]	-	.750 [19.05]	.906 [23.01]	1.188 [30.18]	.120 [3.05]	.875 [22.22]
16S	1-20 UNEF	.083 [2.11]	1.662 [42.21]	-	.562 [14.27]	.969 [24.61]	1.281 [32.54]	.120 [3.05]	.953 [24.21]
16	1-20 UNEF	.083 [2.11]	1.662 [42.21]	1.937 [49.20]	.750 [19.05]	.969 [24.61]	1.281 [32.54]	.120 [3.05]	.953 [24.21]
18	1 1/8-18 UNEF	.125 [3.17]	1.662 [42.21]	1.937 [49.20]	.750 [19.05]	1.062 [26.97]	1.375 [34.92]	.120 [3.05]	1.062 [26.97]
20	1 1/4-18 UNEF	.125 [3.17]	1.662 [42.21]	1.937 [49.20]	.750 [19.05]	1.156 [29.36]	1.500 [38.10]	.120 [3.05]	1.187 [30.15]
22	1 3/8-18 UNEF	.125 [3.17]	1.662 [42.21]	1.937 [49.20]	.750 [19.05]	1.250 [31.75]	1.625 [41.27]	.120 [3.05]	1.312 [33.32]
24	1 1/2-18 UNEF	.125 [3.17]	1.662 [42.21]	1.937 [49.20]	.812 [20.62]	1.375 [34.92]	1.750 [44.45]	.147 [3.73]	1.437 [36.50]
28	1 3/4-18 UNS	.125 [3.17]	1.662 [42.21]	1.937 [49.20]	.812 [20.62]	1.562 [39.67]	2.000 [50.80]	.147 [3.73]	1.750 [44.45]
32	2-18 UNS	.125 [3.17]	1.662 [42.21]	1.937 [49.20]	.875 [22.22]	1.750 [44.45]	2.250 [57.15]	.173 [4.39]	2.000 [50.80]
36	2 1/4-16 UN	.125 [3.17]	1.662 [42.21]	1.937 [49.20]	.875 [22.22]	1.938 [49.22]	2.500 [63.50]	.173 [4.39]	2.250 [57.15]
40	2 1/2-16 UN	.125 [3.17]	1.662 [42.21]	1.937 [49.20]	.875 [22.22]	2.188 [55.58]	2.750 [69.85]	.173 [4.39]	2.500 [63.50]
44	2 3/4-16 UN	.125 [3.17]	1.662 [42.21]	1.937 [49.20]	.875 [22.22]	2.375 [60.32]	3.000 [76.20]	.173 [4.39]	2.750 [69.85]
48	3-16 UN	.125 [3.17]	1.662 [42.21]	1.937 [49.20]	.875 [22.22]	2.625 [66.67]	3.250 [82.55]	.173 [4.39]	3.000 [76.20]

DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.

1C042

BOX MOUNT RECEPTACLE, THREADED SKIRT
CRIMP FRONT RELEASE



SHELL SIZE	A COUPLING THREAD CLASS 2A	K ± 0.015 [± 0.38]	L MAX.		M $+0.031$ -0.000 [$+0.79$] [-0.00]	R T.P. $\varnothing_L - \varnothing_L$	S ± 0.031 [± 0.79]	T $+0.010$ -0.005 [$+0.25$] [-0.13]	V ACCESSORY THREAD CLASS 2A	W MIN.
			CONTACT SIZE							
			16 & 12	8,4 & 0						
8S	1/2-28 UNEF	.083 [2.11]	1.662 [42.21]	-	.562 [14.27]	.594 [15.09]	.875 [22.22]	.120 [3.05]	1/2-20 UNF	.290 [7.37]
10S	5/8-24 UNEF	.083 [2.11]	1.662 [42.21]	-	.562 [14.27]	.719 [18.26]	1.000 [25.40]	.120 [3.05]	5/8-24 UNEF	.290 [7.37]
10SL	5/8-24 UNEF	.083 [2.11]	1.662 [42.21]	-	.562 [14.27]	.719 [18.26]	1.000 [25.40]	.120 [3.05]	5/8-24 UNEF	.290 [7.37]
12S	3/4-20 UNEF	.083 [2.11]	1.662 [42.21]	-	.562 [14.27]	.812 [20.62]	1.094 [27.79]	.120 [3.05]	3/4-20 UNEF	.290 [7.37]
12	3/4-20 UNEF	.083 [2.11]	1.662 [42.21]	-	.750 [19.05]	.812 [20.62]	1.094 [27.79]	.120 [3.05]	3/4-20 UNEF	.290 [7.37]
14S	7/8-20 UNEF	.083 [2.11]	1.662 [42.21]	-	.562 [14.27]	.906 [23.01]	1.188 [30.18]	.120 [3.05]	7/8-20 UNEF	.290 [7.37]
14	7/8-20 UNEF	.083 [2.11]	1.662 [42.21]	-	.750 [19.05]	.906 [23.01]	1.188 [30.18]	.120 [3.05]	7/8-20 UNEF	.290 [7.37]
16S	1-20 UNEF	.083 [2.11]	1.662 [42.21]	-	.562 [14.27]	.969 [24.61]	1.281 [32.54]	.120 [3.05]	1-20 UNEF	.290 [7.37]
16	1-20 UNEF	.083 [2.11]	1.662 [42.21]	1.937 [49.20]	.750 [19.05]	.969 [24.61]	1.281 [32.54]	.120 [3.05]	1-20 UNEF	.290 [7.37]
18	1 1/8-18 UNEF	.125 [3.17]	1.662 [42.21]	1.937 [49.20]	.750 [19.05]	1.062 [26.97]	1.375 [34.92]	.120 [3.05]	1 1/16-18 UNEF	.290 [7.37]
20	1 1/4-18 UNEF	.125 [3.17]	1.662 [42.21]	1.937 [49.20]	.750 [19.05]	1.156 [29.36]	1.500 [38.10]	.120 [3.05]	1 3/16-18 UNEF	.290 [7.37]
22	1 3/8-18 UNEF	.125 [3.17]	1.662 [42.21]	1.937 [49.20]	.750 [19.05]	1.250 [31.75]	1.625 [41.27]	.120 [3.05]	1 5/16-18 UNEF	.290 [7.37]
24	1 1/2-18 UNEF	.125 [3.17]	1.662 [42.21]	1.937 [49.20]	.812 [20.62]	1.375 [34.92]	1.750 [44.45]	.147 [3.73]	1 7/16-18 UNEF	.290 [7.37]
28	1 3/4-18 UNS	.125 [3.17]	1.662 [42.21]	1.937 [49.20]	.812 [20.62]	1.562 [39.67]	2.000 [50.80]	.147 [3.73]	1 3/4-18 UNS	.467 [11.86]
32	2-18 UNS	.125 [3.17]	1.662 [42.21]	1.937 [49.20]	.875 [22.22]	1.750 [44.45]	2.250 [57.15]	.173 [4.39]	2-18 UNS	.467 [11.86]
36	2 1/4-16 UN	.125 [3.17]	1.662 [42.21]	1.937 [49.20]	.875 [22.22]	1.938 [49.22]	2.500 [63.50]	.173 [4.39]	2 1/4-16 UN	.467 [11.86]
40	2 1/2-16 UN	.125 [3.17]	1.662 [42.21]	1.937 [49.20]	.875 [22.22]	2.188 [55.58]	2.750 [69.85]	.173 [4.39]	2 1/2-16 UN	.467 [11.86]
44	2 3/4-16 UN	.125 [3.17]	1.662 [42.21]	1.937 [49.20]	.875 [22.22]	2.375 [60.32]	3.000 [76.20]	.173 [4.39]	2 3/4-16 UN	.467 [11.86]
48	3-16 UN	.125 [3.17]	1.662 [42.21]	1.937 [49.20]	.875 [22.22]	2.625 [66.67]	3.250 [82.55]	.173 [4.39]	3-16 UN	.467 [11.86]

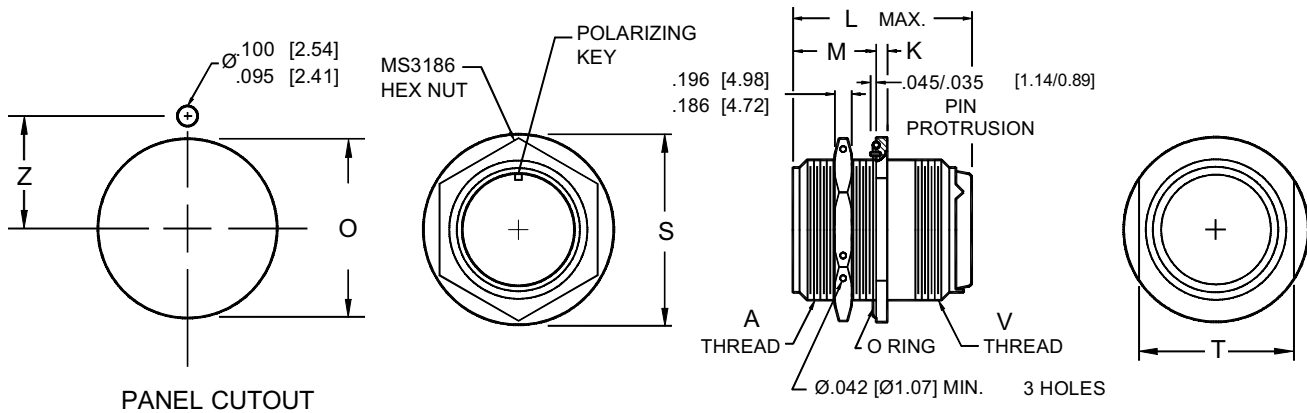
DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.

1C051

MIL-DTL-5015 SERIES II CRIMP, FRONT RELEASE CONTACTS

SC34

JAM NUT RECEPTACLE CRIMP FRONT RELEASE



PANEL CUTOUT

SHELL SIZE	A COUPLING THREAD CLASS 2A	K ±.005 [±0.13]	L MAX.		M ±.005 [±0.13]	S ±.005 [±0.13]	T ±.010 [±0.25]	ØO +.015 -.000 [+0.38] [-0.00]	Z ±.005 [±0.13]	V ACCESSORY THREAD CLASS 2A
			CONTACT SIZE							
			16 & 12	8, 4 & 0						
8S	1/2-28 UNEF	.115 [2.92]	2.031 [51.59]	-	.720 [18.29]	1.187 [30.15]	.865 [21.97]	.505 [12.83]	.326 [8.28]	1/2-20 UNF
10S	5/8-24 UNEF	.115 [2.92]	2.031 [51.59]	-	.720 [18.29]	1.312 [33.32]	.990 [25.15]	.630 [16.00]	.385 [9.78]	5/8-24 UNEF
10SL	5/8-24 UNEF	.115 [2.92]	2.031 [51.59]	-	.720 [18.29]	1.312 [33.32]	.990 [25.15]	.630 [16.00]	.385 [9.78]	5/8-24 UNEF
12S	3/4-20 UNEF	.115 [2.92]	2.031 [51.59]	-	.720 [18.29]	1.437 [36.50]	1.050 [26.67]	.755 [19.18]	.448 [11.38]	3/4-20 UNEF
12	3/4-20 UNEF	.115 [2.92]	2.125 [53.97]	-	.966 [24.54]	1.437 [36.50]	1.050 [26.67]	.755 [19.18]	.448 [11.38]	3/4-20 UNEF
14S	7/8-20 UNEF	.115 [2.92]	2.031 [51.59]	-	.720 [18.29]	1.562 [39.67]	1.175 [29.84]	.880 [22.35]	.510 [12.95]	7/8-20 UNEF
14	7/8-20 UNEF	.115 [2.92]	2.125 [53.97]	-	.966 [24.54]	1.562 [39.67]	1.175 [29.84]	.880 [22.35]	.510 [12.95]	7/8-20 UNEF
16S	1-20 UNEF	.115 [2.92]	2.031 [51.59]	-	.720 [18.29]	1.687 [42.85]	1.300 [33.02]	1.005 [25.53]	.573 [14.55]	1-20 UNEF
16	1-20 UNEF	.115 [2.92]	2.125 [53.97]	2.500 [63.50]	.966 [24.54]	1.687 [42.85]	1.300 [33.02]	1.005 [25.53]	.573 [14.55]	1-20 UNEF
18	1 1/8-18 UNEF	.115 [2.92]	2.125 [53.97]	2.500 [63.50]	.966 [24.54]	1.812 [46.02]	1.425 [36.19]	1.130 [28.70]	.635 [16.13]	1 1/16-18 UNEF
20	1 1/4-18 UNEF	.145 [3.68]	2.125 [53.97]	2.500 [63.50]	.966 [24.54]	1.937 [49.20]	1.550 [39.37]	1.255 [31.88]	.698 [17.73]	1 3/16-18 UNEF
22	1 3/8-18 UNEF	.145 [3.68]	2.125 [53.97]	2.500 [63.50]	.966 [24.54]	2.156 [54.76]	1.550 [39.37]	1.380 [35.05]	.760 [19.30]	1 5/16-18 UNEF
24	1 1/2-18 UNEF	.145 [3.68]	2.125 [53.97]	2.500 [63.50]	.966 [24.54]	2.281 [57.94]	1.800 [45.72]	1.505 [38.23]	.823 [20.90]	1 7/16-18 UNEF
28	1 3/4-18 UNS	.145 [3.68]	2.125 [53.97]	2.500 [63.50]	.966 [24.54]	2.531 [64.29]	1.925 [48.89]	1.755 [44.58]	.948 [24.08]	1 3/4-18 UNS
32	2-18 UNS	.145 [3.68]	2.125 [53.97]	2.500 [63.50]	.966 [24.54]	2.781 [70.64]	2.175 [55.24]	2.005 [50.93]	1.073 [27.25]	2-18 UNS
36	2 1/4-16 UN	.145 [3.68]	2.125 [53.97]	2.500 [63.50]	.966 [24.54]	3.031 [76.99]	2.550 [64.77]	2.255 [57.28]	1.198 [30.43]	2 1/4-16 UN
40	2 1/2-16 UN	.145 [3.68]	2.125 [53.97]	2.500 [63.50]	.966 [24.54]	3.281 [83.34]	2.800 [71.12]	2.505 [63.63]	1.323 [33.60]	2 1/2-16 UN
44	2 3/4-16 UN	.145 [3.68]	2.125 [53.97]	2.500 [63.50]	.966 [24.54]	3.656 [92.86]	3.050 [77.47]	2.755 [69.98]	1.448 [36.78]	2 3/4-16 UN
48	3-16 UN	.145 [3.68]	2.125 [53.97]	2.500 [63.50]	.966 [24.54]	3.906 [99.21]	3.300 [83.82]	3.005 [76.33]	1.573 [39.95]	3-16 UN

DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.

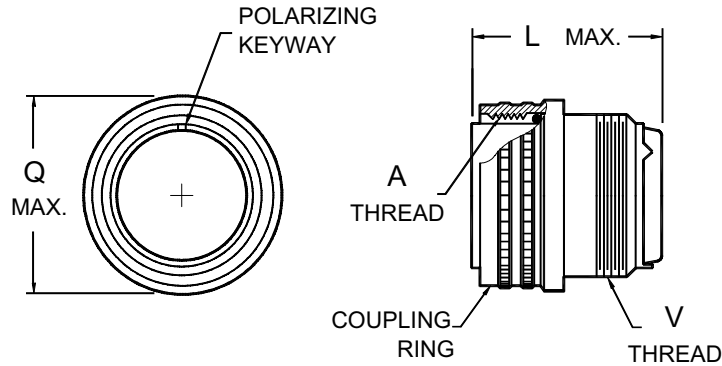
1C043

SC36

STRAIGHT PLUG CRIMP FRONT RELEASE

SC37

STRAIGHT PLUG WITH SELF LOCKING COUPLING NUT



SHELL SIZE	A COUPLING THREAD CLASS 2B	L MAX.		V ACCESSORY THREAD CLASS 2A	SC36 ØQ MAX.	SC37 ØQ MAX.
		CONTACT SIZE				
		16 & 12	8,4 & 0			
8S	1/2-28 UNEF	2.031 [51.59]	-	1/2-20 UNF	.844 [21.44]	.963 [24.46]
10S	5/8-24 UNEF	2.031 [51.59]	-	5/8-24 UNEF	.969 [24.61]	1.088 [27.64]
10SL	5/8-24 UNEF	2.031 [51.59]	-	5/8-24 UNEF	.969 [24.61]	1.088 [27.64]
12S	3/4-20 UNEF	2.031 [51.59]	-	3/4-20 UNEF	1.062 [26.97]	1.213 [30.81]
12	3/4-20 UNEF	2.125 [53.97]	-	3/4-20 UNEF	1.062 [26.97]	1.213 [30.81]
14S	7/8-20 UNEF	2.031 [51.59]	-	7/8-20 UNEF	1.156 [29.36]	1.358 [34.49]
14	7/8-20 UNEF	2.125 [53.97]	-	7/8-20 UNEF	1.156 [29.36]	1.358 [34.49]
16S	1-20 UNEF	2.031 [51.59]	-	1-20 UNEF	1.250 [31.75]	1.463 [37.16]
16	1-20 UNEF	2.125 [53.97]	2.500 [63.50]	1-20 UNEF	1.250 [31.75]	1.463 [37.16]
18	1 1/8-18 UNEF	2.125 [53.97]	2.500 [63.50]	1 1/16-18 UNEF	1.344 [34.14]	1.588 [40.34]
20	1 1/4-18 UNEF	2.125 [53.97]	2.500 [63.50]	1 3/16-18 UNEF	1.469 [37.31]	1.713 [43.51]
22	1 3/8-18 UNEF	2.125 [53.97]	2.500 [63.50]	1 5/16-18 UNEF	1.594 [40.49]	1.788 [45.42]
24	1 1/2-18 UNEF	2.125 [53.97]	2.500 [63.50]	1 7/16-18 UNEF	1.719 [43.66]	1.963 [49.86]
28	1 3/4-18 UNS	2.125 [53.97]	2.500 [63.50]	1 3/4-18 UNS	1.969 [50.01]	2.213 [56.21]
32	2-18 UNS	2.125 [53.97]	2.500 [63.50]	2-18 UNS	2.219 [56.36]	2.463 [62.56]
36	2 1/4-16 UN	2.125 [53.97]	2.500 [63.50]	2 1/4-16 UN	2.469 [62.71]	2.713 [68.91]
40	2 1/2-16 UN	2.125 [53.97]	2.500 [63.50]	2 1/2-16 UN	2.719 [69.06]	2.963 [75.26]
44	2 3/4-16 UN	2.125 [53.97]	2.500 [63.50]	2 3/4-16 UN	2.969 [75.41]	CONSULT FACTORY
48	3-16 UN	2.125 [53.97]	2.500 [63.50]	3-16 UN	3.219 [81.76]	

DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.

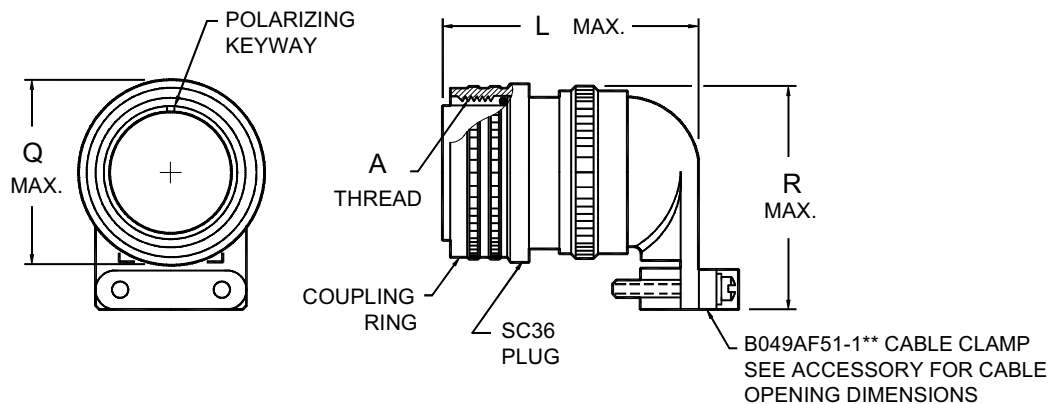
1C044

MIL-DTL-5015 SERIES II CRIMP, FRONT RELEASE CONTACTS

SC38

90° PLUG

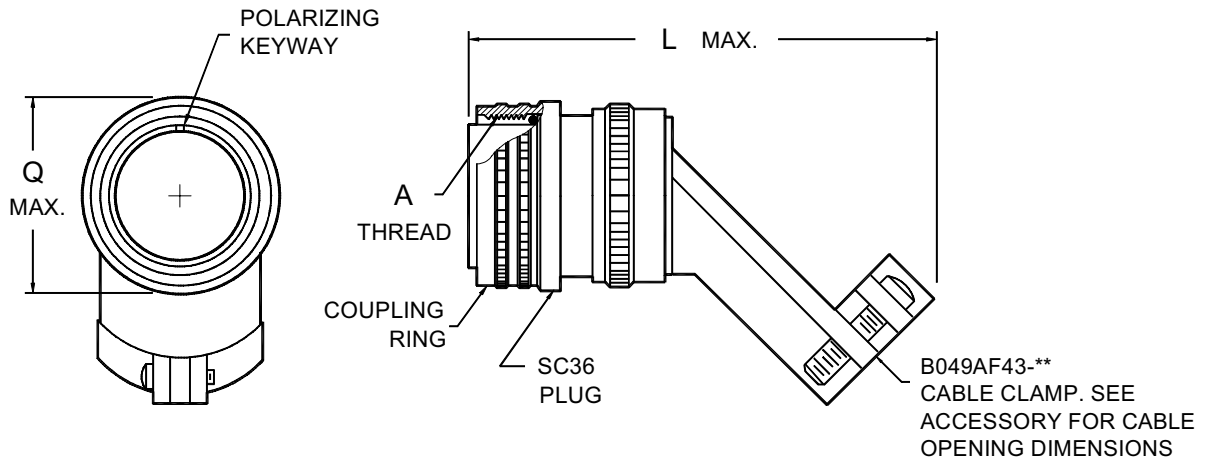
CRIMP FRONT RELEASE



SHELL SIZE	A COUPLING THREAD CLASS 2B	ØQ MAX.	L MAX.		R MAX.
			CONTACT SIZE		
			16 & 12	8,4 & 0	
8S	1/2-28 UNEF	.844 [21.44]	2.495 [63.37]	-	1.230 [31.24]
10S	5/8-24 UNEF	.969 [24.61]	2.500 [63.50]	-	1.352 [34.34]
10SL	5/8-24 UNEF	.969 [24.61]	2.555 [64.90]	-	1.352 [34.34]
12S	3/4-20 UNEF	1.062 [26.97]	2.555 [64.90]	-	1.460 [37.08]
12	3/4-20 UNEF	1.062 [26.97]	2.625 [66.67]	-	1.460 [37.08]
14S	7/8-20 UNEF	1.156 [29.36]	2.615 [66.42]	-	1.570 [39.88]
14	7/8-20 UNEF	1.156 [29.36]	2.685 [68.20]	-	1.570 [39.88]
16S	1-20 UNEF	1.250 [31.75]	2.695 [68.45]	-	1.681 [42.70]
16	1-20 UNEF	1.250 [31.75]	2.765 [70.23]	3.165 [80.39]	1.681 [42.70]
18	1 1/8-18 UNEF	1.344 [34.14]	2.810 [71.37]	3.210 [81.53]	1.905 [48.39]
20	1 1/4-18 UNEF	1.469 [37.31]	2.875 [73.02]	3.275 [83.18]	2.031 [51.59]
22	1 3/8-18 UNEF	1.594 [40.49]	2.935 [74.55]	3.335 [84.71]	2.155 [54.74]
24	1 1/2-18 UNEF	1.719 [43.66]	2.995 [76.07]	3.395 [86.23]	2.280 [57.91]
28	1 3/4-18 UNS	1.969 [50.01]	3.160 [80.26]	3.560 [90.42]	2.619 [66.52]
32	2-18 UNS	2.219 [56.36]	3.250 [82.55]	3.650 [92.71]	2.969 [75.41]
36	2 1/4-16 UN	2.469 [62.71]	3.375 [85.72]	3.775 [95.88]	3.219 [81.76]
40	2 1/2-16 UN	2.719 [69.06]	3.510 [89.15]	3.910 [99.31]	3.469 [88.11]
44	2 3/4-16 UN	2.969 [75.41]	3.635 [92.33]	4.035 [102.49]	3.843 [97.61]
48	3-16 UN	3.219 [81.76]	3.760 [95.50]	4.160 [105.66]	4.093 [103.96]

DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.

1C047



SHELL SIZE	A COUPLING THREAD CLASS 2B	ØQ MAX.	L MAX.	
			CLASS D	CLASS DJ
8S	1/2-28 UNEF	.844 [21.44]	3.000 [76.20]	3.938 [100.03]
10S	5/8-24 UNEF	.969 [24.61]	3.062 [77.77]	4.438 [112.73]
10SL	5/8-24 UNEF	.969 [24.61]	3.062 [77.77]	4.438 [112.73]
12S	3/4-20 UNEF	1.062 [26.97]	3.125 [79.37]	4.562 [115.87]
12	3/4-20 UNEF	1.062 [26.97]	3.125 [79.37]	4.562 [115.87]
14S	7/8-20 UNEF	1.156 [29.36]	3.188 [80.98]	4.688 [119.08]
14	7/8-20 UNEF	1.156 [29.36]	3.188 [80.98]	4.688 [119.08]
16S	1-20 UNEF	1.250 [31.75]	3.250 [82.55]	6.125 [155.57]
16	1-20 UNEF	1.250 [31.75]	3.250 [82.55]	6.125 [155.57]
18	1 1/8-18 UNEF	1.344 [34.14]	3.375 [85.72]	5.188 [131.78]
20	1 1/4-18 UNEF	1.469 [37.31]	3.438 [87.33]	5.188 [131.78]
22	1 3/8-18 UNEF	1.594 [40.49]	3.500 [88.90]	5.375 [136.52]
24	1 1/2-18 UNEF	1.719 [43.66]	3.500 [88.90]	5.375 [136.52]
28	1 3/4-18 UNS	1.969 [50.01]	3.625 [92.07]	5.625 [142.87]
32	2-18 UNS	2.219 [56.36]	3.750 [95.25]	5.938 [150.83]
36	2 1/4-16 UN	2.469 [62.71]	3.812 [96.82]	6.062 [153.97]
40	2 1/2-16 UN	2.719 [69.06]	3.812 [96.82]	6.812 [173.02]
44	2 3/4-16 UN	2.969 [75.41]	4.062 [103.17]	6.812 [173.02]
48	3-16 UN	3.219 [81.76]	4.125 [104.77]	6.812 [173.02]

DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.

1C049

MIL-DTL-5015 SERIES II CRIMP, FRONT RELEASE CONTACTS

NOTES

SECTION 3A

MIL-DTL-5015 SERIES III

CRIMP, REAR RELEASE CONTACTS

This Military Specification covers multipin cylindrical connectors and is one of the most widely used for various applications. There are 19 shell sizes, 8 shell configurations, and over 130 insert arrangements containing contact sizes 18, 16, 12, 8, 4, 1/0 and 4/0.

MIL-DTL-5015 has surely stood the test-of-time, having been first used in 1939. Through the years, these connectors have been upgraded with the use of state-of-the-art materials and finishes. The insert arrangements are so versatile that they are used in other series of connectors that use different shells and hardware.

Originally, only solder contacts were available. Today, in addition to solder, these connectors are available with crimp contacts, both front and rear release. The coupling method is by use of an UNF type thread. Other coupling methods, reverse bayonet and double start threads are available.

Shown on the chart below is a comparison between various series.

	MIL-DTL-5015 SERIES I	MIL-DTL-5015 FRONT RELEASE SERIES II	MIL-DTL-5015 REAR RELEASE SERIES III	REVERSE BAYONET	QWL	QWLD
COUPLING	UNF Threads	UNF Threads	UNF Threads	1/3 turn Bayonet	Double start Threads	Double start Threads
SHELL KEYWAYS	1	1	1	1	1	5
REAR ACCESSORY THREADS	Right Hand	Right Hand	Right Hand	Right Hand	Left Hand	Left Hand
BACKSHELLS	With Connectors	Not supplied (1)	Not supplied (1)	With Connectors	Not supplied (1)	Not supplied (1)
CONTACT TYPE	Solder or F80 Crimp	Crimp	Crimp	Solder or F80 Crimp	Solder or F80 Crimp	Solder or F80 Crimp
CONTACT RETENTION	Rubber	Metal Clip	Metal Clip	Rubber	Rubber	Rubber

(1) = Backshells must be purchased separately.

5015

MIL-DTL-5015 SERIES III CRIMP, REAR RELEASE CONTACTS

For additional features and technical data see Section 11A.



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MIL-DTL-5015 SERIES III

CRIMP REAR RELEASE

ORDERING INFORMATION

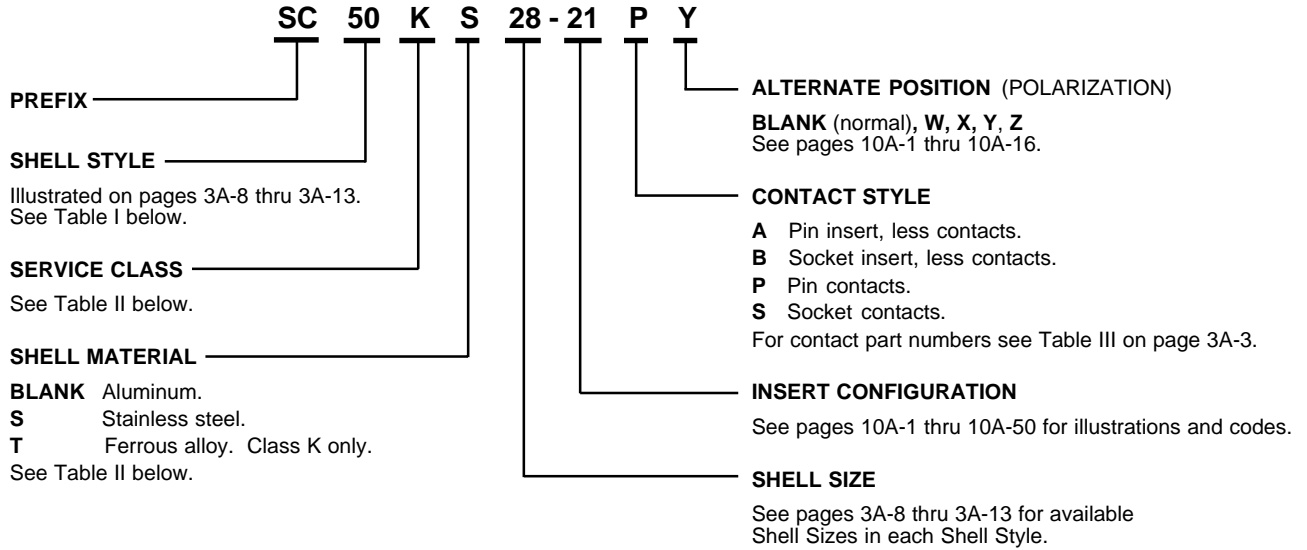


TABLE I. SHELL STYLE

MS NO.	DESCRIPTION	AVAILABLE IN CLASS	SEE PAGE
SC50	Wall mount receptacle	K, KS, KT, L, LS, W	3A-8
SC51	In-line receptacle	L, LS, W	3A-9
SC52	Box mount receptacle	L, LS, W	3A-10
SC54	Jam nut receptacle	L, LS, W	3A-11
SC56	Straight plug	K, KS, KT, L, LS, W	3A-12
SC59	Straight plug, self-locking coupling nut	K, KS, KT, L, LS, W	3A-13

SCP012

TABLE II. SERVICE CLASS/SHELL MATERIAL

CLASS	MATERIAL	FINISH	APPLICATION	TEMPERATURE	FLUID RESISTANCE
KS	Stainless	Passivated	Firewall	-55, + 175° C	Complete
KT	Carbon steel	Cadmium olive drab, 96 hr	Firewall	-55, + 175° C	Complete
L	Aluminum	Electroless nickel	High temperature	-55, + 200° C	Complete
LS	Stainless	Passivated	High temperature	-55, + 200° C	Complete
W	Aluminum	Cadmium olive drab, 96 hr	General purpose	-55, + 175° C	Partial

SCP013

MIL-DTL-5015 SERIES III CRIMP REAR RELEASE

TABLE III. INSERT AND CONTACT INFORMATION

INSERT NUMBER	CONTACTS			CONTACT PART NUMBER	
	TOTAL	QTY	SIZE	PIN	SOCKET
8S-1	1	1	16	M39029/29-212	M39029/30-217
10S-2	1	1	16	M39029/29-212	M39029/30-217
10SL-3	3	3	16	M39029/29-212	M39029/30-217
10SL-4	2	2	16	M39029/29-212	M39029/30-217
12-5	1	1	12	M39029/29-213	M39029/30-219
12S-1	2	2	16	M39029/29-212	M39029/30-217
12S-2	2	2	16	M39029/29-212	M39029/30-217
12S-3	2	2	16	M39029/29-212	M39029/30-217
12S-4	1	1	16	M39029/29-212	M39029/30-217
14-3	1	1	8	M39029/29-214	M39029/30-220
14S-1	3	3	16	M39029/29-212	M39029/30-217
14S-2	4	4	16	M39029/29-212	M39029/30-217
14S-4	1	1	16	M39029/29-212	M39029/30-217
14S-5	5	5	16	M39029/29-212	M39029/30-217
14S-6	6	6	16	M39029/29-212	M39029/30-217
14S-7	3	3	16	M39029/29-212	M39029/30-217
14S-9	2	2	16	M39029/29-212	M39029/30-217
14S-10	4	4	16	M39029/29-212	M39029/30-217
14S-11	4	4	16	M39029/29-212	M39029/30-217
14S-12	3	3	16	M39029/29-212	M39029/30-217
14S-13	3	3	16	M39029/29-212	M39029/30-217
14S-14	4	4	16	M39029/29-212	M39029/30-217
16-2	1	1	12	M39029/29-213	M39029/30-219
16-7	3	2 1	16 8	M39029/29-212 M39029/29-214	M39029/30-218 M39029/30-220
16-9	4	2 2	16 12	M39029/29-212 M39029/29-213	M39029/30-218 M39029/30-219
16-10	3	3	12	M39029/29-213	M39029/30-219
16-11	2	2	12	M39029/29-213	M39029/30-219
16-12	1	1	4	M39029/29-215	M39029/30-221
16-13	2	1 1	12C* 12I*	M39029/85-458 M39029/85-461	M39029/86-466 M39029/86-469
16S-1	7	7	16	M39029/29-212	M39029/30-217
16S-3	1	1	16	M39029/29-212	M39029/30-217
16S-4	2	2	16	M39029/29-212	M39029/30-217
16S-5	3	3	16	M39029/29-212	M39029/30-217
16S-6	3	3	16	M39029/29-212	M39029/30-217
16S-8	5	5	16	M39029/29-212	M39029/30-217
16S-14	3	3	16	M39029/29-212	M39029/30-217
16S-15	2	2	16	M39029/29-212	M39029/30-217
16S-16	2	2	16	M39029/29-212	M39029/30-217
16S-17	3	3	16	M39029/29-212	M39029/30-217
18-1	10	10	16	M39029/29-212	M39029/30-218
18-2	3	3	16	M39029/29-212	M39029/30-218
18-3	2	2	12	M39029/29-213	M39029/30-219
18-4	4	4	16	M39029/29-212	M39029/30-218

* C = Constantan; I = Iron

SCP014

INSERT NUMBER	CONTACTS			CONTACT PART NUMBER	
	TOTAL	QTY	SIZE	PIN	SOCKET
18-5	3	1 2	16 12	M39029/29-212 M39029/29-213	M39029/30-218 M39029/30-219
18-6	1	1	4	M39029/29-215	M39029/30-221
18-7	1	1	8	M39029/29-214	M39029/30-220
18-8	8	7 1	16 12	M39029/29-212 M39029/29-213	M39029/30-218 M39029/30-219
18-9	7	5 2	16 12	M39029/29-212 M39029/29-213	M39029/30-218 M39029/30-219
18-10	4	4	12	M39029/29-213	M39029/30-219
18-11	5	5	12	M39029/29-213	M39029/30-219
18-12	6	6	16	M39029/29-212	M39029/30-218
18-13	4	3 1	12 8	M39029/29-213 M39029/29-214	M39029/30-219 M39029/30-220
18-14	2	1 1	16 4	M39029/29-212 M39029/29-215	M39029/30-218 M39029/30-221
18-15	4	2 2	12C* 12I*	M39029/85-458 M39029/85-461	M39029/86-466 M39029/86-469
18-17	7	5 2	16 12	M39029/29-212 M39029/29-213	M39029/30-218 M39029/30-219
18-18	7	5 2	16 12	M39029/29-212 M39029/29-213	M39029/30-218 M39029/30-219
18-19	10	10	16	M39029/29-212	M39029/30-218
18-20	5	5	16	M39029/29-212	M39029/30-218
18-21	3	3	12	M39029/29-213	M39029/30-219
18-22	3	3	16	M39029/29-212	M39029/30-218
18-23	10	10	16	M39029/29-212	M39029/30-218
18-24	10	10	16	M39029/29-212	M39029/30-218
18-25	2	2	12	M39029/29-213	M39029/30-219
18-26	2	2	12	M39029/29-213	M39029/30-219
18-27	3	1 2	16 12	M39029/29-212 M39029/29-213	M39029/30-218 M39029/30-219
18-28	3	1 2	16 12	M39029/29-212 M39029/29-213	M39029/30-218 M39029/30-219
18-29	5	5	16	M39029/29-212	M39029/30-218
18-30	5	5	16	M39029/29-212	M39029/30-218
18-31	5	5	16	M39029/29-212	M39029/30-218
20-1	14	14	16	M39029/29-212	M39029/30-218
20-2	1	1	1/0	M39029/29-216	M39029/30-222
20-3	3	3	12	M39029/29-213	M39029/30-219
20-4	4	4	12	M39029/29-213	M39029/30-219
20-5	2	2	16	M39029/29-212	M39029/30-218
20-6	3	3	16	M39029/29-212	M39029/30-218
20-7	8	8	16	M39029/29-212	M39029/30-218
20-8	6	4 2	16 8	M39029/29-212 M39029/29-214	M39029/30-218 M39029/30-220
20-9	8	7 1	16 12	M39029/29-212 M39029/29-213	M39029/30-218 M39029/30-219

* C = Constantan; I = Iron.

SCP015

MIL-DTL-5015 SERIES III CRIMP, REAR RELEASE CONTACTS

MIL-DTL-5015 SERIES III

CRIMP REAR RELEASE

TABLE III. INSERT AND CONTACT INFORMATION (CONT.)

INSERT NUMBER	CONTACTS			CONTACT PART NUMBER	
	TOTAL	QTY	SIZE	PIN	SOCKET
20-10	4	4	16	M39029/29-212	M39029/30-218
20-11	13	13	16	M39029/29-212	M39029/30-218
20-12	2	1	16	M39029/29-212	M39029/30-218
			4	M39029/29-215	M39029/30-221
20-14	5	3	12	M39029/29-213	M39029/30-219
			8	M39029/29-214	M39029/30-220
20-15	7	7	12	M39029/29-213	M39029/30-219
20-16	9	7	16	M39029/29-212	M39029/30-218
			12	M39029/29-213	M39029/30-219
20-17	6	1	16	M39029/29-212	M39029/30-218
			12	M39029/29-213	M39029/30-219
20-18	9	6	16	M39029/29-212	M39029/30-218
			12	M39029/29-213	M39029/30-219
20-19	3	3	8	M39029/29-214	M39029/30-220
20-20	4	3	12	M39029/29-213	M39029/30-219
			4	M39029/29-215	M39029/30-221
20-21	9	8	16	M39029/29-212	M39029/30-218
			12	M39029/29-213	M39029/30-219
20-22	6	3	16	M39029/29-212	M39029/30-218
			8	M39029/29-214	M39029/30-220
20-23	2	2	8	M39029/29-214	M39029/30-220
20-24	4	2	16	M39029/29-212	M39029/30-218
			8	M39029/29-214	M39029/30-220
20-25	13	13	16	M39029/29-212	M39029/30-218
20-26	3	3	12	M39029/29-213	M39029/30-219
20-27	14	14	16	M39029/29-212	M39029/30-218
20-29	17	17	16	M39029/29-212	M39029/30-218
20-30	13	13	16	M39029/29-212	M39029/30-217
20-31	11	11	16	M39029/29-212	M39029/30-218
20-32	8	8	16	M39029/29-212	M39029/30-218
20-33	11	11	16	M39029/29-212	M39029/30-218
22-1	2	2	8	M39029/29-214	M39029/30-220
22-2	3	3	8	M39029/29-214	M39029/30-220
22-3	2	1	16	M39029/29-212	M39029/30-218
			4	M39029/29-215	M39029/30-221
22-4	4	2	12	M39029/29-213	M39029/30-219
			8	M39029/29-214	M39029/30-220
22-5	6	4	16	M39029/29-212	M39029/30-218
			12	M39029/29-213	M39029/30-219
22-6	3	1	16	M39029/29-212	M39029/30-218
			8	M39029/29-214	M39029/30-220
22-7	1	1	1/0	M39029/29-216	M39029/30-222
22-8	2	2	12	M39029/29-213	M39029/30-219
22-9	3	3	12	M39029/29-213	M39029/30-219
22-10	4	4	16	M39029/29-212	M39029/30-218
22-11	2	2	16	M39029/29-212	M39029/30-218
22-12	5	3	16	M39029/29-212	M39029/30-218
			8	M39029/29-214	M39029/30-219

SCP016

INSERT NUMBER	CONTACTS			CONTACT PART NUMBER	
	TOTAL	QTY	SIZE	PIN	SOCKET
22-13	5	1	16	M39029/29-212	M39029/30-218
			12	M39029/29-213	M39029/30-219
22-14	19	19	16	M39029/29-212	M39029/30-218
22-15	6	1	16	M39029/29-212	M39029/30-218
			12	M39029/29-213	M39029/30-219
22-16	9	6	16	M39029/29-212	M39029/30-218
			12	M39029/29-213	M39029/30-219
22-17	9	8	16	M39029/29-212	M39029/30-218
			12	M39029/29-213	M39029/30-219
22-18	8	8	16	M39029/29-212	M39029/30-218
22-19	14	14	16	M39029/29-212	M39029/30-218
22-20	9	9	16	M39029/29-212	M39029/30-218
22-21	3	2	16	M39029/29-212	M39029/30-218
			1/0	M39029/29-216	M39029/30-222
22-22	4	4	8	M39029/29-214	M39029/30-220
22-23	8	8	12	M39029/29-213	M39029/30-219
22-24	6	1	16	M39029/29-212	M39029/30-218
			12	M39029/29-213	M39029/30-219
22-25	3	2	16	M39029/29-212	M39029/30-218
			1/0	M39029/29-216	M39029/30-222
22-26	7	5	16	M39029/29-212	M39029/30-218
			12	M39029/29-213	M39029/30-219
22-27	9	8	16	M39029/29-212	M39029/30-218
			8	M39029/29-214	M39029/30-220
22-28	7	7	12	M39029/29-213	M39029/30-219
22-29	7	6	16	M39029/29-212	M39029/30-218
			4	M39029/29-215	M39029/30-221
22-30	19	19	16	M39029/29-212	M39029/30-218
22-31	2	2	16	M39029/29-212	M39029/30-218
22-32	6	4	16	M39029/29-212	M39029/30-218
			12	M39029/29-213	M39029/30-219
22-33	7	7	16	M39029/29-212	M39029/30-218
22-34	5	2	16	M39029/29-212	M39029/30-218
			12	M39029/29-213	M39029/30-219
22-35	3	3	8	M39029/29-214	M39029/30-220
22-36	8	4	12C*	M39029/85-458	M39029/86-466
			12I*	M39029/85-461	M39029/86-469
24-1	2	1	12	M39029/29-213	M39029/30-219
			1/0	M39029/29-216	M39029/30-222
24-2	7	7	12	M39029/29-213	M39029/30-219
24-3	7	5	16	M39029/29-212	M39029/30-218
			12	M39029/29-213	M39029/30-219
24-4	4	3	12	M39029/29-213	M39029/30-219
			1/0	M39029/29-216	M39029/30-222
24-5	16	16	16	M39029/29-212	M39029/30-218
24-6	8	8	12	M39029/29-213	M39029/30-219
24-7	16	14	16	M39029/29-212	M39029/30-218
			12	M39029/29-213	M39029/30-219

* C = Constantan; I = Iron

SCP017

MIL-DTL-5015 SERIES III CRIMP REAR RELEASE

TABLE III. INSERT AND CONTACT INFORMATION (CONT.)

INSERT NUMBER	CONTACTS			CONTACT PART NUMBER	
	TOTAL	QTY	SIZE	PIN	SOCKET
24-9	2	2	4	M39029/29-215	M39029/30-221
24-10	7	7	8	M39029/29-214	M39029/30-220
24-11	9	6	12	M39029/29-213	M39029/30-219
		3	8	M39029/29-214	M39029/30-220
24-12	5	3	12	M39029/29-213	M39029/30-219
		2	4	M39029/29-215	M39029/30-221
24-14	3	2	12	M39029/29-213	M39029/30-219
		1	1/0	M39029/29-216	M39029/30-222
24-15	16	16	16	M39029/29-212	M39029/30-218
24-16	7	3	16	M39029/29-212	M39029/30-218
		3	12	M39029/29-213	M39029/30-219
		1	8	M39029/29-214	M39029/30-220
24-17	5	3	16	M39029/29-212	M39029/30-218
		2	12	M39029/29-213	M39029/30-219
24-19	12	12	16	M39029/29-212	M39029/30-218
24-20	11	9	16	M39029/29-212	M39029/30-218
		2	12	M39029/29-213	M39029/30-219
24-21	10	9	16	M39029/29-212	M39029/30-218
		1	8	M39029/29-214	M39029/30-220
24-22	4	4	8	M39029/29-214	M39029/30-220
24-23	5	2	16	M39029/29-212	M39029/30-218
		3	8	M39029/29-214	M39029/30-220
24-24	16	16	16	M39029/29-212	M39029/30-218
24-25	8	8	12	M39029/29-213	M39029/30-219
24-26	8	8	12	M39029/29-213	M39029/30-219
24-27	7	7	16	M39029/29-212	M39029/30-218
24-28	24	24	16	M39029/29-212	M39029/30-218
24-80	23	23	16	M39029/29-212	M39029/30-218
28-1	9	6	12	M39029/29-213	M39029/30-219
		3	8	M39029/29-214	M39029/30-220
28-2	14	12	16	M39029/29-212	M39029/30-218
		2	12	M39029/29-213	M39029/30-219
28-3	3	3	8	M39029/29-214	M39029/30-220
28-4	9	7	16	M39029/29-212	M39029/30-218
		2	12	M39029/29-213	M39029/30-219
28-5	5	2	16	M39029/29-212	M39029/30-218
		1	12	M39029/29-213	M39029/30-219
		2	4	M39029/29-215	M39029/30-221
28-6	3	3	4	M39029/29-215	M39029/30-221
28-7	2	2	4	M39029/29-215	M39029/30-221
28-8	12	10	16	M39029/29-212	M39029/30-218
		2	12	M39029/29-213	M39029/30-219
28-9	12	6	16	M39029/29-212	M39029/30-218
		6	12	M39029/29-213	M39029/30-219
28-10	7	3	12	M39029/29-213	M39029/30-219
		2	8	M39029/29-214	M39029/30-220
		2	4	M39029/29-215	M39029/30-221
28-11	22	18	16	M39029/29-212	M39029/30-218
		4	12	M39029/29-213	M39029/30-219

SCP018

INSERT NUMBER	CONTACTS			CONTACT PART NUMBER	
	TOTAL	QTY	SIZE	PIN	SOCKET
28-12	26	26	16	M39029/29-212	M39029/30-218
28-13	26	26	16	M39029/29-212	M39029/30-218
28-14	11	11	16	M39029/29-212	M39029/30-218
28-15	35	35	16	M39029/29-212	M39029/30-218
28-16	20	20	16	M39029/29-212	M39029/30-218
28-17	15	15	16	M39029/29-212	M39029/30-218
28-18	12	12	16	M39029/29-212	M39029/30-218
28-19	10	6	16	M39029/29-212	M39029/30-218
		4	12	M39029/29-213	M39029/30-219
28-20	14	4	16	M39029/29-212	M39029/30-218
		10	12	M39029/29-213	M39029/30-219
28-21	37	37	16	M39029/29-212	M39029/30-218
28-22	6	3	16	M39029/29-212	M39029/30-218
		3	4	M39029/29-215	M39029/30-221
28-23	24	21	16	M39029/29-212	M39029/30-218
		3	8S*	Mfr Supplied	Mfr Supplied
28-24	24	21	16	M39029/29-212	M39029/30-218
		3	8S*	Mfr Supplied	Mfr Supplied
32-1	5	3	12	M39029/29-213	M39029/30-219
		2	1/0	M39029/29-216	M39029/30-222
32-2	5	2	16	M39029/29-212	M39029/30-218
		3	4	M39029/29-215	M39029/30-221
32-3	9	4	16	M39029/29-212	M39029/30-218
		2	12	M39029/29-213	M39029/30-219
		2	4	M39029/29-215	M39029/30-221
		1	1/0	M39029/29-216	M39029/30-222
32-4	14	12	16	M39029/29-212	M39029/30-218
		2	12	M39029/29-213	M39029/30-219
32-5	2	2	1/0	M39029/29-216	M39029/30-222
32-6	23	16	16	M39029/29-212	M39029/30-218
		2	12	M39029/29-213	M39029/30-219
		3	8	M39029/29-214	M39029/30-220
		2	4	M39029/29-215	M39029/30-221
32-7	35	28	16	M39029/29-212	M39029/30-218
		7	12	M39029/29-213	M39029/30-219
32-8	30	24	16	M39029/29-212	M39029/30-218
		6	12	M39029/29-213	M39029/30-219
32-9	14	12	16	M39029/29-212	M39029/30-218
		2	4	M39029/29-215	M39029/30-221
32-10	7	3	16	M39029/29-212	M39029/30-218
		2	8	M39029/29-214	M39029/30-220
		2	4	M39029/29-215	M39029/30-221
32-12	15	10	16	M39029/29-212	M39029/30-218
		5	12	M39029/29-213	M39029/30-219
32-13	23	18	16	M39029/29-212	M39029/30-218
		5	12	M39029/29-213	M39029/30-219
32-14	7	5	12	M39029/29-213	M39029/30-219
		2	4	M39029/29-215	M39029/30-221

* S = Shielded

SCP019

MIL-DTL-5015 SERIES III CRIMP, REAR RELEASE CONTACTS

MIL-DTL-5015

CRIMP REAR RELEASE

TABLE III. INSERT AND CONTACT INFORMATION (CONT.)

INSERT NUMBER	CONTACTS			CONTACT PART NUMBER	
	TOTAL	QTY	SIZE	PIN	SOCKET
32-15	8	6	12	M39029/29-213	M39029/30-219
		2	1/0	M39029/29-216	M39029/30-222
32-16	23	16	16	M39029/29-212	M39029/30-218
		2	12	M39029/29-213	M39029/30-219
		3	8	M39029/29-214	M39029/30-220
		2	4	M39029/29-215	M39029/30-221
32-17	4	4	4	M39029/29-215	M39029/30-221
32-18	14	12	16	M39029/29-212	M39029/30-218
		2	12	M39029/29-213	M39029/30-219
32-19	5	3	12	M39029/29-213	M39029/30-219
		2	1/0	M39029/29-216	M39029/30-222
32-20	23	16	16	M39029/29-212	M39029/30-218
		2	12	M39029/29-213	M39029/30-219
		3	8	M39029/29-214	M39029/30-220
		2	4	M39029/29-215	M39029/30-221
32-22	54	54	16	M39029/29-212	M39029/30-218
32-63	5	5	4	M39029/29-215	M39029/30-221
32-73	46	46	16	M39029/29-212	M39029/30-218
36-1	22	18	16	M39029/29-212	M39029/30-218
		4	12	M39029/29-213	M39029/30-219
36-2	5	2	12	M39029/29-213	M39029/30-219
		3	1/0	M39029/29-216	M39029/30-222
36-3	6	3	12	M39029/29-213	M39029/30-219
		3	1/0	M39029/29-216	M39029/30-222
36-4	3	3	1/0	M39029/29-216	M39029/30-222
36-5	4	4	1/0	M39029/29-216	M39029/30-222
36-6	6	4	4	M39029/29-215	M39029/30-221
		2	1/0	M39029/29-216	M39029/30-222
36-7	47	40	16	M39029/29-212	M39029/30-218
		7	12	M39029/29-213	M39029/30-219
36-8	47	46	16	M39029/29-212	M39029/30-218
		1	12	M39029/29-213	M39029/30-219
36-9	31	14	16	M39029/29-212	M39029/30-218
		14	12	M39029/29-213	M39029/30-219
		2	8	M39029/29-214	M39029/30-220
		1	4	M39029/29-215	M39029/30-221
36-10	48	48	16	M39029/29-212	M39029/30-218
36-11	48	48	16	M39029/29-212	M39029/30-218
36-12	48	48	16	M39029/29-212	M39029/30-218
36-13	17	15	16	M39029/29-212	M39029/30-218
		2	12	M39029/29-213	M39029/30-219
36-14	16	6	16	M39029/29-212	M39029/30-218
		5	12	M39029/29-213	M39029/30-219
		5	8	M39029/29-214	M39029/30-220
36-15	35	35	16	M39029/29-212	M39029/30-218
36-16	47	40	16	M39029/29-212	M39029/30-218
		7	12	M39029/29-213	M39029/30-219

INSERT NUMBER	CONTACTS			CONTACT PART NUMBER	
	TOTAL	QTY	SIZE	PIN	SOCKET
36-17	47	40	16	M39029/29-212	M39029/30-218
		7	12	M39029/29-213	M39029/30-219
36-18	31	14	16	M39029/29-212	M39029/30-218
		14	12	M39029/29-213	M39029/30-219
		2	8	M39029/29-214	M39029/30-220
		1	4	M39029/29-215	M39029/30-221
36-19	17	10	16	M39029/29-212	M39029/30-218
		5	12	M39029/29-213	M39029/30-219
		1	4	M39029/29-215	M39029/30-221
		1	1/0	M39029/29-216	M39029/30-222
36-20	34	30	16	M39029/29-212	M39029/30-218
		2	12	M39029/29-213	M39029/30-219
		2	8	M39029/29-214	M39029/30-220
36-21	31	14	16	M39029/29-212	M39029/30-218
		14	12	M39029/29-213	M39029/30-219
		2	8	M39029/29-214	M39029/30-220
		1	4	M39029/29-215	M39029/30-221
36-52	52	52	16	M39029/29-212	M39029/30-218
36-66	56	52	16	M39029/29-212	M39029/30-218
		4	12	M39029/29-213	M39029/30-219
40-1	30	24	16	M39029/29-212	M39029/30-218
		6	12	M39029/29-213	M39029/30-219
40-2	23	23	16	M39029/29-212	M39029/30-218
40-3	23	18	16	M39029/29-212	M39029/30-218
		4	12	M39029/29-213	M39029/30-219
		1	4	M39029/29-215	M39029/30-221
40-4	23	16	16	M39029/29-212	M39029/30-218
		2	12	M39029/29-213	M39029/30-219
		3	8	M39029/29-214	M39029/30-220
		2	4	M39029/29-215	M39029/30-221
40-5	15	6	12	M39029/29-213	M39029/30-219
		4	8	M39029/29-214	M39029/30-220
		2	4	M39029/29-215	M39029/30-221
40-6	26	3	1/0	M39029/29-216	M39029/30-222
		24	16	M39029/29-212	M39029/30-218
		1	12	M39029/29-213	M39029/30-219
40-7	22	18	16	M39029/29-212	M39029/30-218
		2	12	M39029/29-213	M39029/30-219
40-9	47	2	1/0	M39029/29-216	M39029/30-222
		24	16	M39029/29-212	M39029/30-218
40-10	29	22	12	M39029/29-213	M39029/30-219
		1	8	M39029/29-214	M39029/30-220
		16	16	M39029/29-212	M39029/30-218
40-10	29	9	8	M39029/29-214	M39029/30-220
		4	4	M39029/29-215	M39029/30-221

SCP021

SCP020

TABLE III. INSERT AND CONTACT INFORMATION (CONT.)

INSERT NUMBER	CONTACTS			CONTACT PART NUMBER	
	TOTAL	QTY	SIZE	PIN	SOCKET
40-11	25	18	16	M39029/29-212	M39029/30-218
		4	12	M39029/29-213	M39029/30-219
		1	8	M39029/29-214	M39029/30-220
		1	4	M39029/29-215	M39029/30-221
		1	1/0	M39029/29-216	M39029/30-222
40-12	29	22	16	M39029/29-212	M39029/30-218
		6	12	M39029/29-213	M39029/30-219
		1	1/0	M39029/29-216	M39029/30-222
40-13	23	23	16	M39029/29-212	M39029/30-218
40-14	32	21	16	M39029/29-212	M39029/30-218
		10	12	M39029/29-213	M39029/30-219
		1	1/0	M39029/29-216	M39029/30-222
40-56	85	85	16	M39029/29-212	M39029/30-218
40-62	60	60	16	M39029/29-212	M39029/30-218

SCP022

CONTACT TOOLING INFORMATION

CONTACT PART NUMBER (REFERENCE)	INSERTION TOOL	REMOVAL TOOL		WIRE SIZE	TOOL FRAME		POSITIONER/LOCATOR		CRIMP DIE
		WIRED CONTACT	UNWIRED CONTACT		PART NUMBER	SETTING	PART NUMBER	COLOR	PART NUMBER
M39029/29-212	M81969/14-03	M81969/14-03	M81969/30-06	16-20	M22520/1-01 M22520/7-01	-	M22520/1-02 M22520/7-03	Blue -	-
M39029/29-213	M81969/14-04	M81969/14-04	M81969/30-07	12-14	M22520/1-01	-	M22520/1-02	Yellow	-
M39029/29-214	By Hand	M81969/29-02	-	8	M22520/23-01	-	M22520/23-09	-	M22520/23-02
M39029/29-215	By Hand	M81969/29-03	-	4	M22520/23-01	-	M22520/23-11	-	M22520/23-04
M39029/29-216	By Hand	M81969/29-04	-	1/0	M22520/23-01	-	M22520/23-13	-	M22520/23-05
M39029/30-217	M81969/14-03	M81969/14-03	M81969/30-05	16-20	M22520/1-01	-	M22520/1-02	Blue	-
M39029/30-218	M81969/14-03	M81969/14-03	M81969/30-06	16-20	M22520/1-01	-	M22520/1-02	Blue	-
M39029/30-219	M81969/14-04	M81969/14-04	M81969/30-07	12-14	M22520/1-01	-	M22520/1-02	Yellow	-
M39029/30-220	By Hand	M81969/29-02	-	8	M22520/23-01	-	M22520/23-09	-	M22520/23-02
M39029/30-221	By Hand	M81969/29-03	-	4	M22520/23-01	-	M22520/23-11	-	M22520/23-04
M39029/30-222	By Hand	M81969/29-04	-	1/0	M22520/23-01	-	M22520/23-13	-	M22520/23-05

NOTE 1. Consult factory.

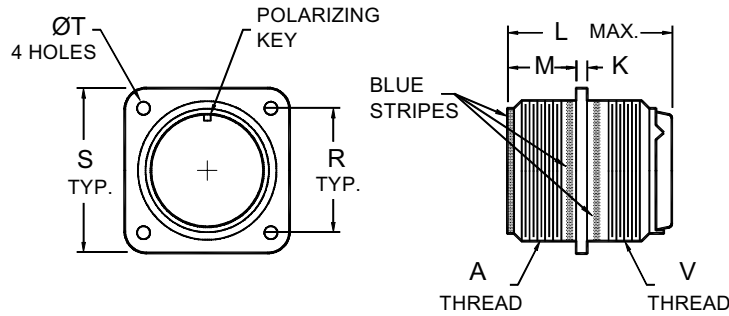
SCP065

MIL-DTL-5015 SERIES III CRIMP, REAR RELEASE CONTACTS

SC50

WALL MOUNT RECEPTACLE

CRIMP REAR RELEASE

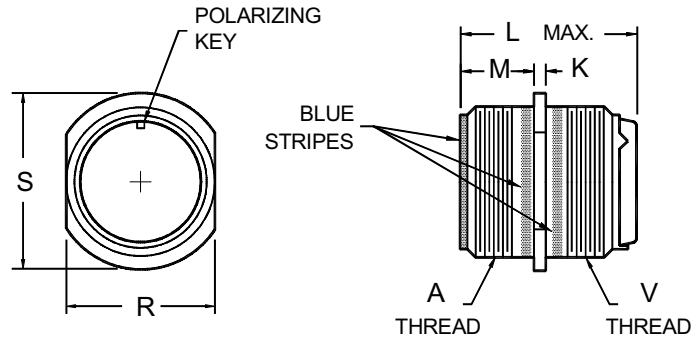


SHELL SIZE	A COUPLING THREAD CLASS 2A	K ±.015 [±0.38]	L MAX.		M +.031 -.000 [+0.79] [-0.00]	R T.P. Q _L - Q _R	S ±.031 [±0.79]	T +.010 -.005 [+0.25] [-0.13]		V ACCESSORY THREAD CLASS 2A
			CONTACT SIZE					CLASS		
			16 & 12	8,4 & 0				K	D,L,U,W	
8S	1/2-28 UNEF	.083 [2.11]	2.031 [51.59]	-	.562 [14.27]	.594 [15.09]	.875 [22.22]	.150 [3.81]	.120 [3.05]	1/2-20 UNF
10S	5/8-24 UNEF	.083 [2.11]	2.031 [51.59]	-	.562 [14.27]	.719 [18.26]	1.000 [25.40]	.150 [3.81]	.120 [3.05]	5/8-24 UNEF
10SL	5/8-24 UNEF	.083 [2.11]	2.031 [51.59]	-	.562 [14.27]	.719 [18.26]	1.000 [25.40]	.150 [3.81]	.120 [3.05]	5/8-24 UNEF
12S	3/4-20 UNEF	.083 [2.11]	2.031 [51.59]	-	.562 [14.27]	.812 [20.62]	1.094 [27.79]	.150 [3.81]	.120 [3.05]	3/4-20 UNEF
12	3/4-20 UNEF	.083 [2.11]	2.125 [53.97]	-	.750 [19.05]	.812 [20.62]	1.094 [27.79]	.150 [3.81]	.120 [3.05]	3/4-20 UNEF
14S	7/8-20 UNEF	.083 [2.11]	2.031 [51.59]	-	.562 [14.27]	.906 [23.01]	1.188 [30.18]	.150 [3.81]	.120 [3.05]	7/8-20 UNEF
14	7/8-20 UNEF	.083 [2.11]	2.125 [53.97]	-	.750 [19.05]	.906 [23.01]	1.188 [30.18]	.150 [3.81]	.120 [3.05]	7/8-20 UNEF
16S	1-20 UNEF	.083 [2.11]	2.031 [51.59]	-	.562 [14.27]	.969 [24.61]	1.281 [32.54]	.150 [3.81]	.120 [3.05]	1-20 UNEF
16	1-20 UNEF	.083 [2.11]	2.125 [53.97]	2.500 [63.50]	.750 [19.05]	.969 [24.61]	1.281 [32.54]	.150 [3.81]	.120 [3.05]	1-20 UNEF
18	1 1/8-18 UNEF	.125 [3.17]	2.125 [53.97]	2.500 [63.50]	.750 [19.05]	1.062 [26.97]	1.375 [34.92]	.177 [4.50]	.120 [3.05]	1 1/16-18 UNEF
20	1 1/4-18 UNEF	.125 [3.17]	2.125 [53.97]	2.500 [63.50]	.750 [19.05]	1.156 [29.36]	1.500 [38.10]	.177 [4.50]	.120 [3.05]	1 3/16-18 UNEF
22	1 3/8-18 UNEF	.125 [3.17]	2.125 [53.97]	2.500 [63.50]	.750 [19.05]	1.250 [31.75]	1.625 [41.27]	.177 [4.50]	.120 [3.05]	1 5/16-18 UNEF
24	1 1/2-18 UNEF	.125 [3.17]	2.125 [53.97]	2.500 [63.50]	.812 [20.62]	1.375 [34.92]	1.750 [44.45]	.177 [4.50]	.147 [3.73]	1 7/16-18 UNEF
28	1 3/4-18 UNS	.125 [3.17]	2.125 [53.97]	2.500 [63.50]	.812 [20.62]	1.562 [39.67]	2.000 [50.80]	.177 [4.50]	.147 [3.73]	1 3/4-18 UNS
32	2-18 UNS	.125 [3.17]	2.125 [53.97]	2.500 [63.50]	.875 [22.22]	1.750 [44.45]	2.250 [57.15]	.209 [5.31]	.173 [4.39]	2-18 UNS
36	2 1/4-16 UN	.125 [3.17]	2.125 [53.97]	2.500 [63.50]	.875 [22.22]	1.938 [49.22]	2.500 [63.50]	.209 [5.31]	.173 [4.39]	2 1/4-16 UN
40	2 1/2-16 UN	.125 [3.17]	2.125 [53.97]	2.500 [63.50]	.875 [22.22]	2.188 [55.58]	2.750 [69.85]	.209 [5.31]	.173 [4.39]	2 1/2-16 UN
44	2 3/4-16 UN	.125 [3.17]	2.125 [53.97]	2.500 [63.50]	.875 [22.22]	2.375 [60.32]	3.000 [76.20]	.209 [5.31]	.173 [4.39]	2 3/4-16 UN
48	3-16 UN	.125 [3.17]	2.125 [53.97]	2.500 [63.50]	.875 [22.22]	2.625 [66.67]	3.250 [82.55]	.209 [5.31]	.173 [4.39]	3-16 UN

DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.

1D052

IN-LINE RECEPTACLE CRIMP REAR RELEASE



SHELL SIZE	A COUPLING THREAD CLASS 2A	K ±.015 [±0.38]	L MAX.		M +.031 -.000 [+.079] [-0.00]	R		S ±.031 [±0.79]	V ACCESSORY THREAD CLASS 2A
			CONTACT SIZE			MAX.	MIN.		
			16 & 12	8, 4 & 0					
8S	1/2-28 UNEF	.083 [2.11]	2.031 [51.59]	-	.562 [14.27]	.504 [12.80]	.496 [12.60]	.729 [18.52]	1/2-20 UNF
10S	5/8-24 UNEF	.083 [2.11]	2.031 [51.59]	-	.562 [14.27]	.629 [15.98]	.621 [15.77]	.854 [21.69]	5/8-24 UNEF
10SL	5/8-24 UNEF	.083 [2.11]	2.031 [51.59]	-	.562 [14.27]	.629 [15.98]	.621 [15.77]	.854 [21.69]	5/8-24 UNEF
12S	3/4-20 UNEF	.083 [2.11]	2.031 [51.59]	-	.562 [14.27]	.754 [19.15]	.746 [18.95]	.974 [24.74]	3/4-20 UNEF
12	3/4-20 UNEF	.083 [2.11]	2.125 [53.97]	-	.750 [19.05]	.754 [19.15]	.746 [18.95]	.974 [24.74]	3/4-20 UNEF
14S	7/8-20 UNEF	.083 [2.11]	2.031 [51.59]	-	.562 [14.27]	.879 [22.33]	.871 [22.12]	1.099 [27.91]	7/8-20 UNEF
14	7/8-20 UNEF	.083 [2.11]	2.125 [53.97]	-	.750 [19.05]	.879 [22.33]	.871 [22.12]	1.099 [27.91]	7/8-20 UNEF
16S	1-20 UNEF	.083 [2.11]	2.031 [51.59]	-	.562 [14.27]	1.005 [25.53]	.996 [25.30]	1.224 [31.09]	1-20 UNEF
16	1-20 UNEF	.083 [2.11]	2.125 [53.97]	2.500 [63.50]	.750 [19.05]	1.005 [25.53]	.996 [25.30]	1.224 [31.09]	1-20 UNEF
18	1 1/8-18 UNEF	.125 [3.17]	2.125 [53.97]	2.500 [63.50]	.750 [19.05]	1.131 [28.73]	1.121 [28.47]	1.349 [34.26]	1 1/16-18 UNEF
20	1 1/4-18 UNEF	.125 [3.17]	2.125 [53.97]	2.500 [63.50]	.750 [19.05]	1.256 [31.90]	1.246 [31.65]	1.474 [37.44]	1 3/16-18 UNEF
22	1 3/8-18 UNEF	.125 [3.17]	2.125 [53.97]	2.500 [63.50]	.750 [19.05]	1.381 [35.08]	1.371 [34.82]	1.599 [40.61]	1 5/16-18 UNEF
24	1 1/2-18 UNEF	.125 [3.17]	2.125 [53.97]	2.500 [63.50]	.812 [20.62]	1.506 [38.25]	1.496 [38.00]	1.715 [43.56]	1 7/16-18 UNEF
28	1 3/4-18 UNS	.125 [3.17]	2.125 [53.97]	2.500 [63.50]	.812 [20.62]	1.756 [44.60]	1.746 [44.35]	1.974 [50.14]	1 3/4-18 UNS
32	2-18 UNS	.125 [3.17]	2.125 [53.97]	2.500 [63.50]	.875 [22.22]	2.007 [50.98]	1.996 [50.70]	2.224 [56.49]	2-18 UNS
36	2 1/4-16 UN	.125 [3.17]	2.125 [53.97]	2.500 [63.50]	.875 [22.22]	2.257 [57.33]	2.246 [57.05]	2.474 [62.84]	2 1/4-16 UN
40	2 1/2-16 UN	.125 [3.17]	2.125 [53.97]	2.500 [63.50]	.875 [22.22]	2.511 [63.78]	2.496 [63.40]	2.724 [69.19]	2 1/2-16 UN
44	2 3/4-16 UN	.125 [3.17]	2.125 [53.97]	2.500 [63.50]	.875 [22.22]	2.761 [70.13]	2.746 [69.75]	2.974 [75.54]	2 3/4-16 UN
48	3-16 UN	.125 [3.17]	2.125 [53.97]	2.500 [63.50]	.875 [22.22]	3.011 [76.48]	2.996 [76.10]	3.224 [81.89]	3-16 UN

DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.

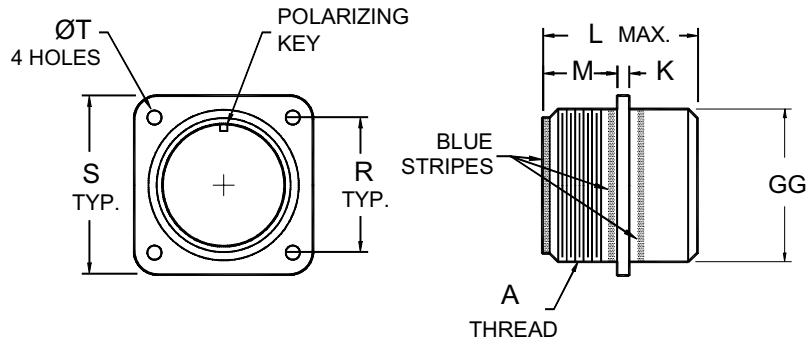
1D054

MIL-DTL-5015 SERIES III CRIMP, REAR RELEASE CONTACTS

SC52

BOX MOUNT RECEPTACLE

CRIMP REAR RELEASE

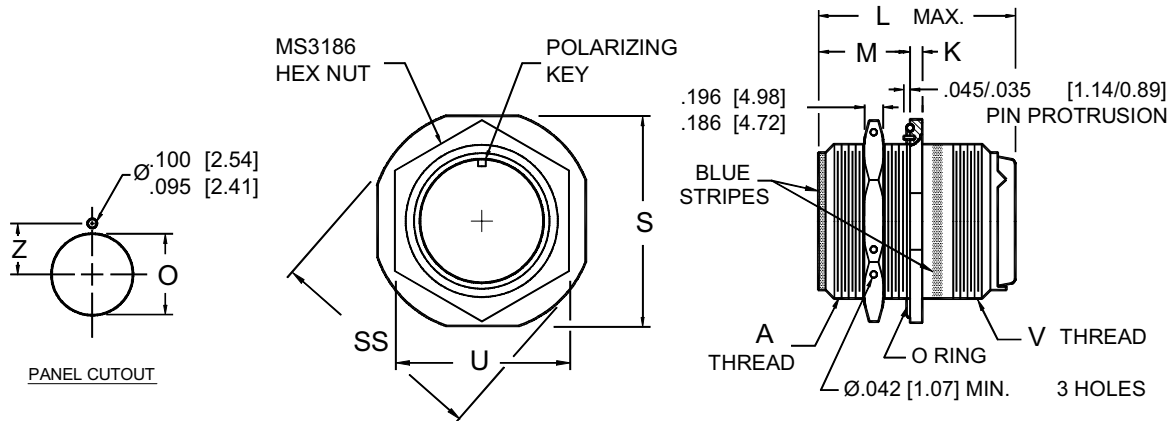


SHELL SIZE	A COUPLING THREAD CLASS 2A	K ±.015 [±0.38]	L MAX.		M +.031 -.000 [+0.79] [-0.00]	R T.P. QL - QL	S ±.031 [±0.79]	T +.010 -.005 [+0.25] [-0.13]	ØGG ±.016 [±0.41]
			CONTACT SIZE						
			16 & 12	8,4 & 0					
8S	1/2-28 UNEF	.083 [2.11]	1.662 [42.21]	-	.562 [14.27]	.594 [15.09]	.875 [22.22]	.120 [3.05]	.500 [12.70]
10S	5/8-24 UNEF	.083 [2.11]	1.662 [42.21]	-	.562 [14.27]	.719 [18.26]	1.000 [25.40]	.120 [3.05]	.625 [15.87]
10SL	5/8-24 UNEF	.083 [2.11]	1.662 [42.21]	-	.562 [14.27]	.719 [18.26]	1.000 [25.40]	.120 [3.05]	.625 [15.87]
12S	3/4-20 UNEF	.083 [2.11]	1.662 [42.21]	-	.562 [14.27]	.812 [20.62]	1.094 [27.79]	.120 [3.05]	.750 [19.05]
12	3/4-20 UNEF	.083 [2.11]	1.662 [42.21]	-	.750 [19.05]	.812 [20.62]	1.094 [27.79]	.120 [3.05]	.750 [19.05]
14S	7/8-20 UNEF	.083 [2.11]	1.662 [42.21]	-	.562 [14.27]	.906 [23.01]	1.188 [30.18]	.120 [3.05]	.875 [22.22]
14	7/8-20 UNEF	.083 [2.11]	1.662 [42.21]	-	.750 [19.05]	.906 [23.01]	1.188 [30.18]	.120 [3.05]	.875 [22.22]
16S	1-20 UNEF	.083 [2.11]	1.662 [42.21]	-	.562 [14.27]	.969 [24.61]	1.281 [32.54]	.120 [3.05]	1.000 [25.40]
16	1-20 UNEF	.083 [2.11]	1.662 [42.21]	1.937 [49.20]	.750 [19.05]	.969 [24.61]	1.281 [32.54]	.120 [3.05]	1.000 [25.40]
18	1 1/8-18 UNEF	.125 [3.17]	1.662 [42.21]	1.937 [49.20]	.750 [19.05]	1.062 [26.97]	1.375 [34.92]	.120 [3.05]	1.062 [26.97]
20	1 1/4-18 UNEF	.125 [3.17]	1.662 [42.21]	1.937 [49.20]	.750 [19.05]	1.156 [29.36]	1.500 [38.10]	.120 [3.05]	1.187 [30.15]
22	1 3/8-18 UNEF	.125 [3.17]	1.662 [42.21]	1.937 [49.20]	.750 [19.05]	1.250 [31.75]	1.625 [41.27]	.120 [3.05]	1.312 [33.32]
24	1 1/2-18 UNEF	.125 [3.17]	1.662 [42.21]	1.937 [49.20]	.812 [20.62]	1.375 [34.92]	1.750 [44.45]	.147 [3.73]	1.437 [36.50]
28	1 3/4-18 UNS	.125 [3.17]	1.662 [42.21]	1.937 [49.20]	.812 [20.62]	1.562 [39.67]	2.000 [50.80]	.147 [3.73]	1.750 [44.45]
32	2-18 UNS	.125 [3.17]	1.662 [42.21]	1.937 [49.20]	.875 [22.22]	1.750 [44.45]	2.250 [57.15]	.173 [4.39]	2.000 [50.80]
36	2 1/4-16 UN	.125 [3.17]	1.662 [42.21]	1.937 [49.20]	.875 [22.22]	1.938 [49.22]	2.500 [63.50]	.173 [4.39]	2.250 [57.15]
40	2 1/2-16 UN	.125 [3.17]	1.662 [42.21]	1.937 [49.20]	.875 [22.22]	2.188 [55.58]	2.750 [69.85]	.173 [4.39]	2.500 [63.50]
44	2 3/4-16 UN	.125 [3.17]	1.662 [42.21]	1.937 [49.20]	.875 [22.22]	2.375 [60.32]	3.000 [76.20]	.173 [4.39]	2.750 [69.85]
48	3-16 UN	.125 [3.17]	1.662 [42.21]	1.937 [49.20]	.875 [22.22]	2.625 [66.67]	3.250 [82.55]	.173 [4.39]	3.000 [76.20]

DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.

1D055

JAM NUT RECEPTACLE CRIMP REAR RELEASE



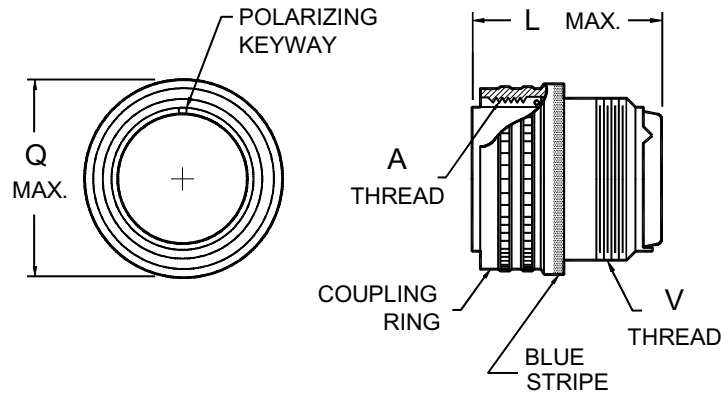
SHELL SIZE	A COUPLING THREAD CLASS 2A	K ±.005 [±0.13]	L MAX.		M ±.005 [±0.13]	S ±.005 [±0.13]	ØSS ±.005 [±0.13]	U ±.010 [±0.25]	ØO +.015 -.000 [+0.38] [-0.00]	Z ±.005 [±0.13]	V ACCESSORY THREAD CLASS 2A
			CONTACT SIZE								
			16 & 12	8, 4 & 0							
8S	1/2-28 UNEF	.115 [2.92]	2.031 [51.59]	-	.720 [18.29]	1.187 [30.15]	1.272 [32.31]	.687 [17.45]	.505 [12.83]	.323 [8.20]	1/2-20 UNF
10S	5/8-24 UNEF	.115 [2.92]	2.031 [51.59]	-	.720 [18.29]	1.312 [33.32]	1.397 [35.48]	.812 [20.62]	.630 [16.00]	.385 [9.78]	5/8-24 UNEF
10SL	5/8-24 UNEF	.115 [2.92]	2.031 [51.59]	-	.720 [18.29]	1.312 [33.32]	1.397 [35.48]	.812 [20.62]	.630 [16.00]	.385 [9.78]	5/8-24 UNEF
12S	3/4-20 UNEF	.115 [2.92]	2.031 [51.59]	-	.720 [18.29]	1.437 [36.50]	1.522 [38.66]	.937 [23.80]	.755 [19.18]	.448 [11.38]	3/4-20 UNEF
12	3/4-20 UNEF	.115 [2.92]	2.125 [53.97]	-	.970 [24.64]	1.437 [36.50]	1.522 [38.66]	.937 [23.80]	.755 [19.18]	.448 [11.38]	3/4-20 UNEF
14S	7/8-20 UNEF	.115 [2.92]	2.031 [51.59]	-	.720 [18.29]	1.562 [39.67]	1.647 [41.83]	1.125 [28.57]	.880 [22.35]	.510 [12.95]	7/8-20 UNEF
14	7/8-20 UNEF	.115 [2.92]	2.125 [53.97]	-	.970 [24.64]	1.562 [39.67]	1.647 [41.83]	1.125 [28.57]	.880 [22.35]	.510 [12.95]	7/8-20 UNEF
16S	1-20 UNEF	.115 [2.92]	2.031 [51.59]	-	.720 [18.29]	1.687 [42.85]	1.772 [45.01]	1.250 [31.75]	1.005 [25.53]	.573 [14.55]	1-20 UNEF
16	1-20 UNEF	.115 [2.92]	2.125 [53.97]	2.500 [63.50]	.970 [24.64]	1.687 [42.85]	1.772 [45.01]	1.250 [31.75]	1.005 [25.53]	.573 [14.55]	1-20 UNEF
18	1 1/8-18 UNEF	.115 [2.92]	2.125 [53.97]	2.500 [63.50]	.970 [24.64]	1.812 [46.02]	1.897 [48.18]	1.375 [34.92]	1.130 [28.70]	.635 [16.13]	1 1/16-18 UNEF
20	1 1/4-18 UNEF	.145 [3.68]	2.125 [53.97]	2.500 [63.50]	.970 [24.64]	1.937 [49.20]	2.022 [51.36]	1.500 [38.10]	1.255 [31.88]	.698 [17.73]	1 3/16-18 UNEF
22	1 3/8-18 UNEF	.145 [3.68]	2.125 [53.97]	2.500 [63.50]	.970 [24.64]	2.156 [54.76]	2.241 [56.92]	1.625 [41.27]	1.380 [35.05]	.760 [19.30]	1 5/16-18 UNEF
24	1 1/2-18 UNEF	.145 [3.68]	2.125 [53.97]	2.500 [63.50]	.970 [24.64]	2.281 [57.94]	2.366 [60.10]	1.750 [44.45]	1.505 [38.23]	.823 [20.90]	1 7/16-18 UNEF
28	1 3/4-18 UNS	.145 [3.68]	2.125 [53.97]	2.500 [63.50]	.970 [24.64]	2.531 [64.29]	2.616 [66.45]	2.000 [50.80]	1.755 [44.58]	.948 [24.08]	1 3/4-18 UNS
32	2-18 UNS	.145 [3.68]	2.125 [53.97]	2.500 [63.50]	.970 [24.64]	2.781 [70.64]	2.866 [72.80]	2.375 [60.32]	2.005 [50.93]	1.073 [27.25]	2-18 UNS
36	2 1/4-16 UN	.145 [3.68]	2.125 [53.97]	2.500 [63.50]	.970 [24.64]	3.031 [76.99]	3.116 [79.15]	2.625 [66.67]	2.255 [57.28]	1.198 [30.43]	2 1/4-16 UN
40	2 1/2-16 UN	.145 [3.68]	2.125 [53.97]	2.500 [63.50]	.970 [24.64]	3.281 [83.34]	3.366 [85.50]	2.875 [73.02]	2.505 [63.63]	1.323 [33.60]	2 1/2-16 UN
44	2 3/4-16 UN	.145 [3.68]	2.125 [53.97]	2.500 [63.50]	.970 [24.64]	3.656 [92.86]	3.741 [95.02]	3.125 [79.37]	2.755 [69.98]	1.448 [36.78]	2 3/4-16 UN
48	3-16 UN	.145 [3.68]	2.125 [53.97]	2.500 [63.50]	.970 [24.64]	3.906 [99.21]	3.991 [101.37]	3.375 [85.72]	3.005 [76.33]	1.573 [39.95]	3-16 UN

DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.

1D056

SC56

STRAIGHT PLUG CRIMP REAR RELEASE

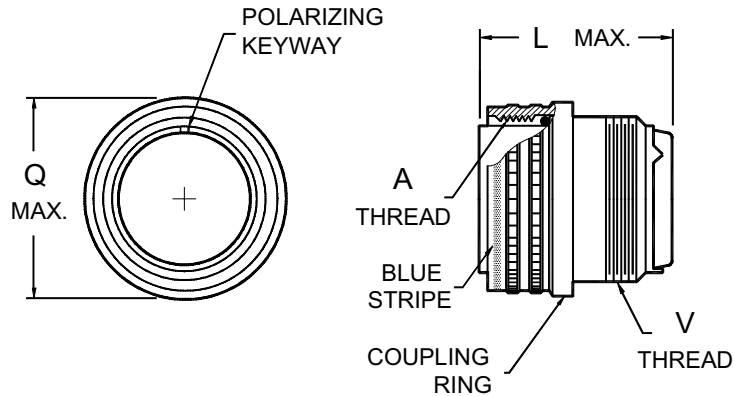


SHELL SIZE	A COUPLING THREAD CLASS 2B	ØQ MAX.	L MAX.		V ACCESSORY THREAD CLASS 2A
			CONTACT SIZE		
			16 & 12	8,4 & 0	
8S	1/2-28 UNEF	.844 [21.44]	2.031 [51.59]	-	1/2-20 UNF
10S	5/8-24 UNEF	.969 [24.61]	2.031 [51.59]	-	5/8-24 UNEF
10SL	5/8-24 UNEF	.969 [24.61]	2.031 [51.59]	-	5/8-24 UNEF
12S	3/4-20 UNEF	1.062 [26.97]	2.031 [51.59]	-	3/4-20 UNEF
12	3/4-20 UNEF	1.062 [26.97]	2.125 [53.97]	-	3/4-20 UNEF
14S	7/8-20 UNEF	1.156 [29.36]	2.031 [51.59]	-	7/8-20 UNEF
14	7/8-20 UNEF	1.156 [29.36]	2.125 [53.97]	-	7/8-20 UNEF
16S	1-20 UNEF	1.250 [31.75]	2.031 [51.59]	-	1-20 UNEF
16	1-20 UNEF	1.250 [31.75]	2.125 [53.97]	2.500 [63.50]	1-20 UNEF
18	1 1/8-18 UNEF	1.344 [34.14]	2.125 [53.97]	2.500 [63.50]	1 1/16-18 UNEF
20	1 1/4-18 UNEF	1.469 [37.31]	2.125 [53.97]	2.500 [63.50]	1 3/16-18 UNEF
22	1 3/8-18 UNEF	1.594 [40.49]	2.125 [53.97]	2.500 [63.50]	1 5/16-18 UNEF
24	1 1/2-18 UNEF	1.719 [43.66]	2.125 [53.97]	2.500 [63.50]	1 7/16-18 UNEF
28	1 3/4-18 UNS	1.969 [50.01]	2.125 [53.97]	2.500 [63.50]	1 3/4-18 UNS
32	2-18 UNS	2.219 [56.36]	2.125 [53.97]	2.500 [63.50]	2-18 UNS
36	2 1/4-16 UN	2.469 [62.71]	2.125 [53.97]	2.500 [63.50]	2 1/4-16 UN
40	2 1/2-16 UN	2.719 [69.06]	2.125 [53.97]	2.500 [63.50]	2 1/2-16 UN
44	2 3/4-16 UN	2.969 [75.41]	2.125 [53.97]	2.500 [63.50]	2 3/4-16 UN
48	3-16 UN	3.219 [81.76]	2.125 [53.97]	2.500 [63.50]	3-16 UN

DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.

1D057

SELF-LOCKING STRAIGHT PLUG
CRIMP REAR RELEASE



SHELL SIZE	A COUPLING THREAD CLASS 2B	ØQ MAX.	L MAX.		V ACCESSORY THREAD CLASS 2A
			CONTACT SIZE		
			16 & 12	8,4 & 0	
8S	1/2-28 UNEF	.963 [24.46]	2.031 [51.59]	-	1/2-20 UNF
10S	5/8-24 UNEF	1.088 [27.64]	2.031 [51.59]	-	5/8-24 UNEF
10SL	5/8-24 UNEF	1.088 [27.64]	2.031 [51.59]	-	5/8-24 UNEF
12S	3/4-20 UNEF	1.213 [30.81]	2.031 [51.59]	-	3/4-20 UNEF
12	3/4-20 UNEF	1.213 [30.81]	2.125 [53.97]	-	3/4-20 UNEF
14S	7/8-20 UNEF	1.358 [34.49]	2.031 [51.59]	-	7/8-20 UNEF
14	7/8-20 UNEF	1.358 [34.49]	2.125 [53.97]	-	7/8-20 UNEF
16S	1-20 UNEF	1.463 [37.16]	2.031 [51.59]	-	1-20 UNEF
16	1-20 UNEF	1.463 [37.16]	2.125 [53.97]	2.500 [63.50]	1-20 UNEF
18	1 1/8-18 UNEF	1.588 [40.34]	2.125 [53.97]	2.500 [63.50]	1 1/16-18 UNEF
20	1 1/4-18 UNEF	1.713 [43.51]	2.125 [53.97]	2.500 [63.50]	1 3/16-18 UNEF
22	1 3/8-18 UNEF	1.788 [45.42]	2.125 [53.97]	2.500 [63.50]	1 5/16-18 UNEF
24	1 1/2-18 UNEF	1.963 [49.86]	2.125 [53.97]	2.500 [63.50]	1 7/16-18 UNEF
28	1 3/4-18 UNS	2.213 [56.21]	2.125 [53.97]	2.500 [63.50]	1 3/4-18 UNS
32	2-18 UNS	2.463 [62.56]	2.125 [53.97]	2.500 [63.50]	2-18 UNS
36	2 1/4-16 UN	2.713 [68.91]	2.125 [53.97]	2.500 [63.50]	2 1/4-16 UN
40	2 1/2-16 UN	2.963 [75.26]	2.125 [53.97]	2.500 [63.50]	2 1/2-16 UN

DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.

1D058

NOTES

SECTION 4A

MIL-DTL-5015

CONNECTOR ACCESSORY

QUICK REFERENCE

(FOR COMPLETE DETAILS ON THESE PARTS SEE **SPACECRAFT CATALOG 401**)

MIL-DTL-5015 CONNECTOR ACCESSORY QUICK REFERENCE

ACCESSORY	SOLDER	CRIMP FRONT OR REAR RELEASE
BACKSHELLS, ENVIRONMENTAL		
STRAIGHT - CABLE SEALING GLAND	B002*BA	B002*AF
	-	B049AF11
STRAIGHT - FOR ANAMET CONDUIT	B031*BA	B031*AF
STRAIGHT - PG ADAPTER	B033*BA	B033*AF
STRAIGHT - PIPE THREAD (PT) ADAPTER	B035*BA	B035*AF
STRAIGHT - FOR SEALTITE™ LIQUIDTITE CONDUIT	B037*BA	B037*AF
45° - CABLE SEALING GLAND	B002CC-BA	B002CC-AF*
	-	B049AF07
90° - CABLE SEALING GLAND	B002D-BA	B002D-AF*
	-	B049AF09
BACKSHELLS, ENVIRONMENTAL EMI/RFI		
STRAIGHT - CONE TYPE	B004*BA	B004*AF
	-	B049AF10
STRAIGHT - INVERTED CONE TYPE	B015*BA	B015*AF
STRAIGHT - 2 RING TYPE	B023*BA	B023*AF
STRAIGHT - LIGHTWEIGHT	B043*BA	B043*AF
45° - CONE TYPE	B004CC-AB	B004CC-AF
	-	B049AF06
45° - INVERTED CONE TYPE	B015CC-AB	B015CC-AF
45° - 2 RING TYPE	B023CC-AB	B023CC-AF
45° - LIGHTWEIGHT	B043CC-BA	B043CC*AF
90° - CONE TYPE	B004*AB	B004*AF
	-	B049AF08
90° - INVERTED CONE TYPE	B015*AB	B015*AF
90° - 2 RING TYPE	B023*AB	B023*AF
90° - LIGHTWEIGHT	B043D-BA	B043D*AF
BACKSHELLS, GROMMET NUTS		
	-	B049AF31
	-	B049AF31S
BACKSHELLS, NON-ENVIRONMENTAL		
STRAIGHT	B001A-BA	B001A-AF
	B001B-BA	B001B-AF
45°	B001CC-BA	B001CC-AF
90°	B001D-BA	B001D-AF

* Additional alpha-numeric are required to complete part number.

SCP074

CONTINUED ON NEXT PAGE

MIL-DTL-5015 CRIMP & SOLDER CONNECTOR ACCESSORY QUICK REFERENCE

CONTINUED FROM PREVIOUS PAGE

ACCESSORY	SOLDER	CRIMP FRONT OR REAR RELEASE
BACKSHELLS, NON-ENVIRONMENTAL EMI/RFI		
STRAIGHT - CONE TYPE	B003*BA	B003*AF
	-	B049AF25
STRAIGHT - INVERTED CONE TYPE	B014*BA	B014*AF
STRAIGHT - LIGHTWEIGHT	B042*BA	B042*AF
45° - CONE TYPE	B003CC	B003CC
	-	B049AF23
45° - INVERTED CONE TYPE	B014CC-BA	B014CC*AF
45° - LIGHTWEIGHT	B042CC-BA	B042CC*AF
90° - CONE TYPE	B003D-BA	B003D*AF
	-	B049AF24
90° - INVERTED CONE TYPE	B014D-BA	B014D*AF
90° - LIGHTWEIGHT	B043D-BA	B043D*AF
BACKSHELLS, POTTING BOOTS & RINGS		
	NOTE 1	NOTE 1
BACKSHELLS, SHIELD TERMINATIONS		
STRAIGHT - CRIMP RING FOR SHRINK BOOT	B005*BA	B005*AF
STRAIGHT - CRIMP RING TYPE	B007*BA	B007*AF
STRAIGHT - ADAPTER ONLY	-	B049AF26-1
STRAIGHT - ADAPTER & CRIMP RING	-	B049AF26-3
STRAIGHT - SHIELD BAND	-	B049AF82
45° - CRIMP RING FOR SHRINK BOOT	B005CC*BA	B005CC*AF
45° - CRIMP RING TYPE	B007CC*BA	B007CC*AF
45° - SHIELD BAND	-	B049AF83
90° - CRIMP RING FOR SHRINK BOOT	B005D*BA	B005D*AF
90° - CRIMP RING TYPE	B007D*BA	B007D*AF
90° - SHIELD BAND	-	B049AF84
SHIELD CRIMP RING ONLY	B049AF26-2	B049AF26-2
BACKSHELLS, SHORTING CANS		
	B012*BA	B012*AF
	B013*BA	B013*AF
BACKSHELLS, SHRINK BOOT ADAPTERS		
STRAIGHT BOOT ADAPTER	B006A*BA	B006A*AF
	B006B*BA	B006B*AF
	-	B049AF60-1
	-	B049AF60-2

NOTE 1. Contact Sales Department for part numbers and availability.

SCP075

ACCESSORY	SOLDER	CRIMP FRONT OR REAR RELEASE
BACKSHELLS, STRAIN RELIEF/CABLE CLAMPS		
STRAIGHT - CABLE CLAMP	MS3057-*A	-
	MS3057-*B	-
	MS3057-*C	-
STRAIGHT - STRAIN RELIEF	-	B049AF52
	-	B049AF52S
	-	B049AF53
	-	B049AF66
45° - STRAIN RELIEF	-	B049AF43
	-	B049AF54
90° - STRAIN RELIEF	-	B049AF51
	-	B049AF51S
	-	B049AF55
	-	B049AF55G
	-	B049AF55S
	-	B049AF55S
DUMMY RECEPTACLES		
	DRP01	DRP01
	DRP13	DRP13
	SC3105	SC3105
	SC1196	SC1196
DUST CAPS		
METAL, FOR PLUG	DCP01	DCP01
	SCP25042-*	SCP25042-*
METAL, FOR RECEPTACLE	DCR01	DCR01
	SCP25043-*	SCP25043-*
GASKET FOR FLANGE MOUNT RECEPTACLES		
EMI/RFI	M83528/004	M83528/004
ENVIRONMENTAL	SCP101949-*	SCP150949-*
JAM NUTS		
	SC3186-*	SC3186-*
MOUNTING PLATES		
	B049AF94	B049AF94
	B049AF95	B049AF95
	B049AF96	B049AF96
RUBBER BUSHINGS		
	MS3420-*	MS3420-*
	MS3420-*A	MS3420-*A
SEALING PLUGS		
	MS25251	-
	MS27488	MS27488

* Indicates there are additional alpha-numeric to complete part number.

SCP076

SECTION 5A

SWL SERIES

CONNECTORS

- EQUIVALENT TO THE AMPHENOL/BENDIX QWL as well as the ITT CANNON CWL SERIES.
- HIGH CURRENT CAPACITY for power distribution network and inputs into large equipment.
- RUGGED CONSTRUCTION consists of high strength machined aluminum shells with Alumilite 225* hard anodize finish, shock resistant resilient inserts. Gaskets and/or "O" rings at appropriate surfaces for perfect weathertight connections.
- EASE OF OPERATION with fast coupling, double stub threads, left hand accessory threads and single keyway mating.
- INSERT AVAILABILITY - Both MS and custom insert patterns available to accommodate a wide variety of multiconductor cables.

SWL SERIES

OPERATING CHARACTERISTICS

CONDITION	CONFIGURATION	DESCRIPTION	REFERENCE
DURABILITY	MATED	500 complete mating/unmating cycles	MIL-C-22992
FLUID IMMERSION	UNMATED	20 hours immersion in hydraulic fluid and lubricating oil	MIL-C-22992
HIGH IMPACT	MATED	Nine hammer blows from 1, 3 and 5 feet, three each in three axes on mounting panel	MIL-STD-202 method 207
MOISTURE RESISTANCE (Cable mounted connectors)	MATED	Ten complete 24 hour cycles of +25°C to +65°C temperature at 90% to 98% humidity	MIL-STD-202 method 106
SALT SPRAY (CORROSION)	UNMATED	48 hour exposure to atomized 5% saline solution at +35°C	MIL-STD-1344 method 1001
THERMAL SHOCK	UNMATED	Five complete one hour temperature cycles of -55°C to +125°C	MIL-STD-1344 method 1003 test condition
VIBRATION	MATED	10 TO 55 Hz, 06 inch total excursion in 1 minute cycles for 6 hours 55 to 2000 Hz, 10G peak amplitude sweep	MIL-STD-1344 method 2005
WATER IMMERSION	MATED	4 hours immersion at 1 atmosphere pressure differential	MIL-C-22992

*registered trademark of Aluminum Company of America

SWL SERIES

ORDERING INFORMATION

SCP 1070 24 - 28 P

SERIES PREFIX

SHELL STYLE

See Table I below.

SHELL SIZE

SWLD	10	12	13	14	15	16	17	18	20	22	24	28	32	36	40	44	48
MIL-C-5015	10S	12S	12	14S	14	16S	16	18	20	22	24	28	32	36	40	44	48

INSERT CONFIGURATION

See pages 10A-1 thru 10A-50 for illustrations and codes.

FINISH: Alumilite 225 hard anodize

MATERIAL: Aluminum alloy

NOTE: This Series has double-start coupling threads and does not mate with other MIL-DTL-5015 type connectors.

MODIFICATION

BLANK Solder type contacts, silver plated (Standard).

B68 Solder type contacts, plated .00005 gold over silver. Size 8, 4 and 1/0 contacts have filled solder pots.

B75 Crimp type contacts, silver plated.

B80 Less contacts.

B81 Crimp type contacts, plated .0001 gold over silver.

B82 Crimp type contacts for MIL-C-13777 cable, silver plated.

B83 Crimp type contacts for MIL-C-13777 cable, plated .0001 gold over silver.

B85 Crimp type contacts plated .00005 gold over silver.

The above modifications utilize connector shells with a non-conductive hard anodize finish Alumilite 225® over aluminum.

B88 Solder contact, olive drab plating over nickel conductive finish.

SLN Self-locking coupling nut.

CONTACT STYLE/ALTERNATE POSITION

This Series utilizes a single letter code for both Contact Style and Alternate Position. Select the code from the Table below. See page 10A-1 thru 10A-16 for Alternate Positions available for each Insert Configuration.

CODE		ALTERNATE POSITION
PIN	SOCKET	
P	S	NORMAL
G	H	W
I	J	X
K	L	Y
M	N	Z

TABLE I. SHELL STYLE

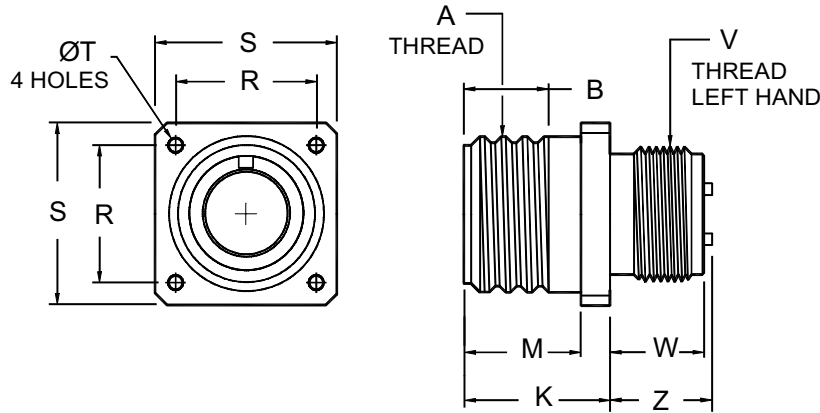
SHELL STYLE	DESCRIPTION	SEE PAGE
SCP1070	Wall mount receptacle	5A-3
SCP1071	In-line receptacle	5A-4
SCP1072	Box mount receptacle	5A-5
SCP1073	Jam nut receptacle, wall mount	5A-7
SCP1074	Thru-bulkhead receptacle	5A-8
SCP1075	Dummy receptacle	Catalog 401
SCP1076	Straight plug	5A-9
SCP1077	Panel mount plug	5A-10
SCP1079	Jam nut receptacle, box mount	5A-6

SC58b

SWL SERIES

SCP1070

WALL MOUNT RECEPTACLE



PART NUMBER	SHELL SIZE	A THREAD CLASS 2A	B MIN. FULL THREAD	K ±.015 [±0.38]	M +.016 -.000 [+0.41] [-0.00]	R ±.005 [±0.13]	S ±.020 [±0.51]	T +.004 -.002 [+0.10] [-0.05]	V THREAD CLASS 2A-LH	W ±.010 [±0.25]	Z MAX.
SCP107010-*	10S	.6250-0.05P-0.1L-DS	.391 [9.93]	.704 [17.88]	.562 [14.27]	.719 [18.26]	1.000 [25.40]	.150 [3.81]	.5000-28 UNEF	.400 [10.16]	.450 [11.43]
SCP107012-*	12S	.7500-0.1P-0.2L-DS	.391 [9.93]	.704 [17.88]	.562 [14.27]	.812 [20.62]	1.094 [27.79]	.150 [3.81]	.6250-24 UNEF	.400 [10.16]	.450 [11.43]
SCP107013-*	12	.7500-0.1P-0.2L-DS	.625 [15.88]	.891 [22.63]	.750 [19.05]	.812 [20.62]	1.094 [27.79]	.150 [3.81]	.6250-24 UNEF	.588 [14.94]	.700 [17.78]
SCP107014-*	14S	.8750-0.1P-0.2L-DS	.391 [9.93]	.704 [17.88]	.562 [14.27]	.906 [23.01]	1.188 [30.18]	.150 [3.81]	.7500-20 UNEF	.400 [10.16]	.450 [11.43]
SCP107015-*	14	.8750-0.1P-0.2L-DS	.625 [15.88]	.891 [22.63]	.750 [19.05]	.906 [23.01]	1.188 [30.18]	.150 [3.81]	.7500-20 UNEF	.588 [14.94]	.700 [17.78]
SCP107016-*	16S	1.0000-0.1P-0.2L-DS	.391 [9.93]	.704 [17.88]	.562 [14.27]	.969 [24.61]	1.281 [32.54]	.150 [3.81]	.8750-20 UNEF	.400 [10.16]	.450 [11.43]
SCP107017-*	16	1.0000-0.1P-0.2L-DS	.625 [15.88]	.891 [22.63]	.750 [19.05]	.969 [24.61]	1.281 [32.54]	.150 [3.81]	.8750-20 UNEF	.588 [14.94]	.700 [17.78]
SCP107018-*	18	1.1250-0.1P-0.2L-DS	.625 [15.88]	.906 [23.01]	.750 [19.05]	1.062 [26.97]	1.375 [34.92]	.177 [4.50]	1.0000-20 UNEF	.573 [14.55]	.686 [17.42]
SCP107020-*	20	1.2500-0.1P-0.2L-DS	.625 [15.88]	.906 [23.01]	.750 [19.05]	1.156 [29.36]	1.500 [38.10]	.177 [4.50]	1.1250-18 UNEF	.573 [14.55]	.686 [17.42]
SCP107022-*	22	1.3750-0.1P-0.2L-DS	.625 [15.88]	.906 [23.01]	.750 [19.05]	1.250 [31.75]	1.625 [41.27]	.177 [4.50]	1.2500-18 UNEF	.573 [14.55]	.686 [17.42]
SCP107024-*	24	1.5000-0.1P-0.2L-DS	.625 [15.88]	.968 [24.59]	.812 [20.62]	1.375 [34.92]	1.750 [44.45]	.177 [4.50]	1.3750-18 UNEF	.573 [14.55]	.624 [15.85]
SCP107028-*	28	1.7500-0.1P-0.2L-DS	.625 [15.88]	.968 [24.59]	.812 [20.62]	1.562 [39.67]	2.000 [50.80]	.177 [4.50]	1.6250-18 UNEF	.573 [14.55]	.624 [15.85]
SCP107032-*	32	2.0000-0.1P-0.2L-DS	.625 [15.88]	1.031 [26.19]	.875 [22.23]	1.750 [44.45]	2.250 [57.15]	.209 [5.31]	1.8750-16 UN	.573 [14.55]	.561 [14.25]
SCP107036-*	36	2.2500-0.1P-0.2L-DS	.625 [15.88]	1.031 [26.19]	.875 [22.23]	1.938 [49.23]	2.500 [63.50]	.209 [5.31]	2.0625-16 UNS	.573 [14.55]	.561 [14.25]
SCP107040-*	40	2.5000-0.1P-0.2L-DS	.625 [15.88]	1.031 [26.19]	.875 [22.23]	2.188 [55.58]	2.750 [69.85]	.209 [5.31]	2.3125-16 UNS	.573 [14.55]	.561 [14.25]
SCP107044-*	44	2.7500-0.1P-0.2L-DS	.625 [15.88]	1.031 [26.19]	.875 [22.23]	2.375 [60.32]	3.000 [76.20]	.209 [5.31]	2.6250-16 UN	.698 [17.73]	.801 [20.35]
SCP107048-*	48	3.0000-0.1P-0.2L-DS	.625 [15.88]	1.031 [26.19]	.875 [22.23]	2.625 [66.67]	3.250 [82.55]	.209 [5.31]	2.8750-16 UN	.698 [17.73]	.801 [20.35]

DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.

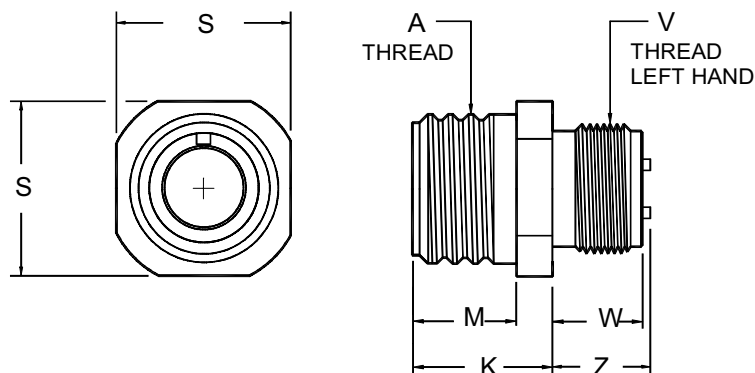
SCP1070

SWL SERIES

SWL SERIES

SCP1071

IN-LINE RECEPTACLE

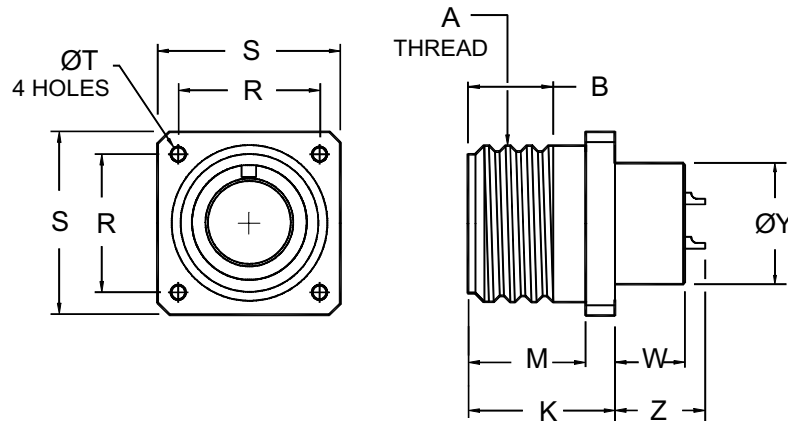


PART NUMBER	SHELL SIZE	A THREAD CLASS 2A	K ±.015 [±0.38]	M +.016 -.000 [+0.41] [-0.00]	S ±.020 [±0.51]	V THREAD CLASS 2A-LH	W ±.010 [±0.25]	Z MAX.
SCP107110-*	10S	.6250-0.05P-0.1L-DS	.704 [17.88]	.453 [11.51]	.750 [19.05]	.5000-28 UNEF	.400 [10.16]	.450 [11.43]
SCP107112-*	12S	.7500-0.1P-0.2L-DS	.704 [17.88]	.453 [11.51]	.875 [22.23]	.6250-24 UNEF	.400 [10.16]	.450 [11.43]
SCP107113-*	12	.7500-0.1P-0.2L-DS	.891 [22.63]	.641 [16.28]	.875 [22.23]	.6250-24 UNEF	.588 [14.94]	.701 [17.81]
SCP107114-*	14S	.8750-0.1P-0.2L-DS	.704 [17.88]	.453 [11.51]	1.000 [25.40]	.7500-20 UNEF	.400 [10.16]	.450 [11.43]
SCP107115-*	14	.8750-0.1P-0.2L-DS	.891 [22.63]	.641 [16.28]	1.000 [25.40]	.7500-20 UNEF	.588 [14.94]	.701 [17.81]
SCP107116-*	16S	1.0000-0.1P-0.2L-DS	.704 [17.88]	.453 [11.51]	1.094 [27.79]	.8750-20 UNEF	.400 [10.16]	.450 [11.43]
SCP107117-*	16	1.0000-0.1P-0.2L-DS	.891 [22.63]	.641 [16.28]	1.094 [27.79]	.8750-20 UNEF	.588 [14.94]	.701 [17.81]
SCP107118-*	18	1.1250-0.1P-0.2L-DS	.906 [23.01]	.656 [16.66]	1.281 [32.54]	1.0000-20 UNEF	.573 [14.55]	.686 [17.42]
SCP107120-*	20	1.2500-0.1P-0.2L-DS	.906 [23.01]	.656 [16.66]	1.375 [34.93]	1.1250-18 UNEF	.573 [14.55]	.686 [17.42]
SCP107122-*	22	1.3750-0.1P-0.2L-DS	.906 [23.01]	.656 [16.66]	1.500 [38.10]	1.2500-18 UNEF	.573 [14.55]	.686 [17.42]
SCP107124-*	24	1.5000-0.1P-0.2L-DS	.968 [24.59]	.719 [18.26]	1.625 [41.28]	1.3750-18 UNEF	.573 [14.55]	.624 [15.85]
SCP107128-*	28	1.7500-0.1P-0.2L-DS	.968 [24.59]	.719 [18.26]	1.875 [47.63]	1.6250-18 UNEF	.573 [14.55]	.624 [15.85]
SCP107132-*	32	2.0000-0.1P-0.2L-DS	1.031 [26.19]	.656 [16.66]	2.125 [53.98]	1.8750-16 UN	.573 [14.55]	.561 [14.25]
SCP107136-*	36	2.2500-0.1P-0.2L-DS	1.031 [26.19]	.656 [16.66]	2.375 [60.33]	2.0625-16 UNS	.573 [14.55]	.561 [14.25]
SCP107140-*	40	2.5000-0.1P-0.2L-DS	1.031 [26.19]	.656 [16.66]	2.625 [66.68]	2.3125-16 UNS	.573 [14.55]	.561 [14.25]
SCP107144-*	44	2.7500-0.1P-0.2L-DS	1.031 [26.19]	.656 [16.66]	3.000 [76.20]	2.6250-16 UN	.698 [17.73]	.800 [20.32]
SCP107148-*	48	3.0000-0.1P-0.2L-DS	1.031 [26.19]	.656 [16.66]	3.125 [79.38]	2.8750-16 UN	.698 [17.73]	.800 [20.32]

DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.

SCP1071

SWL SERIES SCP1072 BOX MOUNT RECEPTACLE



PART NUMBER	SHELL SIZE	A THREAD CLASS 2A	B MIN. FULL THREAD	K	M	R	S	T	W	ØY ±.010 [±0.25]	Z MAX.
SCP107210-*	10S	.6250-0.05P-0.1L-DS	.391 [9.93]	.703 [17.86]	.562 [14.27]	.719 [18.26]	1.000 [25.40]	.150 [3.81]	.281 [7.14]	.469 [11.91]	.451 [11.46]
SCP107212-*	12S	.7500-0.1P-0.2L-DS	.391 [9.93]	.703 [17.86]	.562 [14.27]	.812 [20.62]	1.094 [27.79]	.150 [3.81]	.281 [7.14]	.594 [15.09]	.451 [11.46]
SCP107213-*	12	.7500-0.1P-0.2L-DS	.625 [15.88]	.891 [22.63]	.750 [19.05]	.812 [20.62]	1.094 [27.79]	.150 [3.81]	.469 [11.91]	.594 [15.09]	.700 [17.78]
SCP107214-*	14S	.8750-0.1P-0.2L-DS	.391 [9.93]	.703 [17.86]	.562 [14.27]	.906 [23.01]	1.188 [30.18]	.150 [3.81]	.281 [7.14]	.719 [18.26]	.451 [11.46]
SCP107215-*	14	.8750-0.1P-0.2L-DS	.625 [15.88]	.891 [22.63]	.750 [19.05]	.906 [23.01]	1.188 [30.18]	.150 [3.81]	.469 [11.91]	.719 [18.26]	.700 [17.78]
SCP107216-*	16S	1.0000-0.1P-0.2L-DS	.391 [9.93]	.703 [17.86]	.562 [14.27]	.969 [24.61]	1.281 [32.54]	.150 [3.81]	.281 [7.14]	.844 [21.44]	.451 [11.46]
SCP107217-*	16	1.0000-0.1P-0.2L-DS	.625 [15.88]	.891 [22.63]	.750 [19.05]	.969 [24.61]	1.281 [32.54]	.150 [3.81]	.469 [11.91]	.844 [21.44]	.700 [17.78]
SCP107218-*	18	1.1250-0.1P-0.2L-DS	.625 [15.88]	.906 [23.01]	.750 [19.05]	1.062 [26.97]	1.375 [34.92]	.177 [4.50]	.453 [11.51]	.969 [24.61]	.686 [17.42]
SCP107220-*	20	1.2500-0.1P-0.2L-DS	.625 [15.88]	.906 [23.01]	.750 [19.05]	1.156 [29.36]	1.500 [38.10]	.177 [4.50]	.453 [11.51]	1.125 [28.58]	.686 [17.42]
SCP107222-*	22	1.3750-0.1P-0.2L-DS	.625 [15.88]	.906 [23.01]	.750 [19.05]	1.250 [31.75]	1.625 [41.27]	.177 [4.50]	.453 [11.51]	1.250 [31.75]	.686 [17.42]
SCP107224-*	24	1.5000-0.1P-0.2L-DS	.625 [15.88]	1.000 [25.40]	.812 [20.62]	1.375 [34.92]	1.750 [44.45]	.177 [4.50]	.359 [9.12]	1.375 [34.93]	.585 [14.86]
SCP107228-*	28	1.7500-0.1P-0.2L-DS	.625 [15.88]	1.000 [25.40]	.812 [20.62]	1.562 [39.67]	2.000 [50.80]	.177 [4.50]	.359 [9.12]	1.594 [40.49]	.591 [15.01]
SCP107232-*	32	2.0000-0.1P-0.2L-DS	.625 [15.88]	1.063 [27.00]	.875 [22.23]	1.750 [44.45]	2.250 [57.15]	.209 [5.31]	.296 [7.52]	1.844 [46.84]	.528 [13.41]
SCP107236-*	36	2.2500-0.1P-0.2L-DS	.625 [15.88]	1.063 [27.00]	.875 [22.23]	1.938 [49.23]	2.500 [63.50]	.209 [5.31]	.296 [7.52]	2.031 [51.59]	.528 [13.41]
SCP107240-*	40	2.5000-0.1P-0.2L-DS	.625 [15.88]	1.063 [27.00]	.875 [22.23]	2.188 [55.58]	2.750 [69.85]	.209 [5.31]	.296 [7.52]	2.281 [57.94]	.528 [13.41]
SCP107244-*	44	2.7500-0.1P-0.2L-DS	.625 [15.88]	1.063 [27.00]	.875 [22.23]	2.375 [60.32]	3.000 [76.20]	.209 [5.31]	.546 [13.87]	2.562 [65.07]	.769 [19.53]
SCP107248-*	48	3.0000-0.1P-0.2L-DS	.625 [15.88]	1.063 [27.00]	.875 [22.23]	2.625 [66.67]	3.250 [82.55]	.209 [5.31]	.546 [13.87]	2.812 [71.42]	.769 [19.53]

DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.

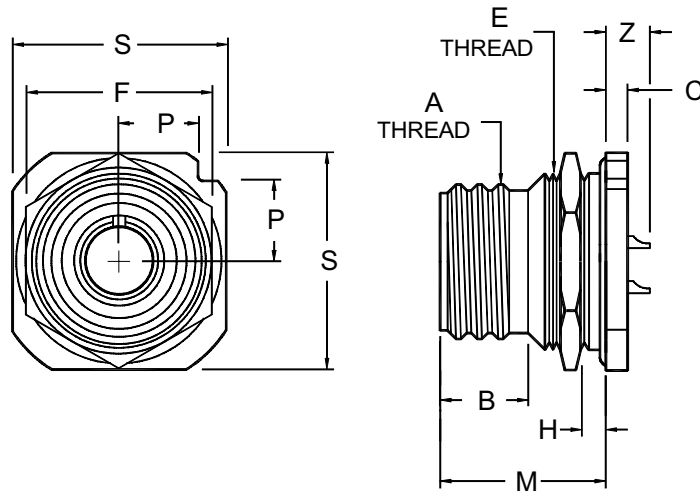
SCP1072

SWL SERIES

SWL SERIES

SCP1079

JAM NUT RECEPTACLE

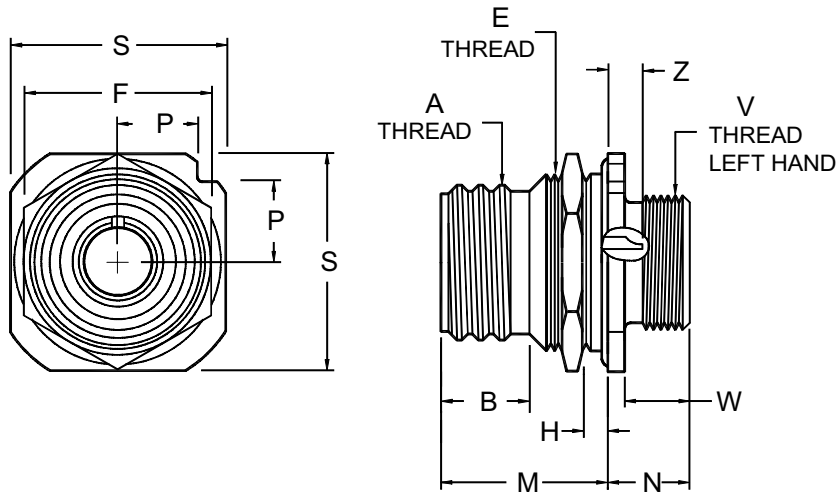


PART NUMBER	SHELL SIZE	A THREAD CLASS 2A-DS	B ±.010 [±0.25]	C ±.005 [±0.13]	E THREAD CLASS 2A-RH	F HEX ±.016 [±0.41]	H PANEL THICKNESS		M ±.010 [±0.25]	P ±.010 [±0.25]	S ±.010 [±0.25]	Z MAX.
							MIN.	MAX.				
SCP107910-*	10S	.625-0.05P-0.1L	.385 [9.78]	.125 [3.18]	.6875-24UNEF	.875 [22.23]	.094 [2.39]	.227 [5.77]	.844 [21.44]	.375 [9.52]	1.062 [26.97]	.295 [7.49]
SCP107912-*	12S	.750-0.1P-0.2L	.385 [9.78]	.125 [3.18]	.875-20UNEF	1.062 [26.97]	.094 [2.39]	.200 [5.08]	.906 [23.01]	.442 [11.23]	1.250 [31.75]	.232 [5.89]
SCP107913-*	12	.750-0.1P-0.2L	.585 [14.86]	.125 [3.18]	.875-20UNEF	1.062 [26.97]	.094 [2.39]	.282 [7.16]	1.188 [30.18]	.442 [11.23]	1.250 [31.75]	.389 [9.88]
SCP107914-*	14S	.875-0.1P-0.2L	.385 [9.78]	.125 [3.18]	1.000-20UNEF	1.250 [31.75]	.094 [2.39]	.200 [5.08]	.906 [23.01]	.486 [12.34]	1.376 [34.95]	.232 [5.89]
SCP107915-*	14	.875-0.1P-0.2L	.585 [14.86]	.125 [3.18]	1.000-20UNEF	1.250 [31.75]	.094 [2.39]	.282 [7.16]	1.188 [30.18]	.486 [12.34]	1.376 [34.95]	.389 [9.88]
SCP107916-*	16S	1.000-0.1P-0.2L	.385 [9.78]	.125 [3.18]	1.125-18UNEF	1.312 [33.32]	.094 [2.39]	.200 [5.08]	.906 [23.01]	.530 [13.46]	1.500 [38.10]	.232 [5.89]
SCP107917-*	16	1.000-0.1P-0.2L	.585 [14.86]	.125 [3.18]	1.125-18UNEF	1.312 [33.32]	.094 [2.39]	.282 [7.16]	1.188 [30.18]	.530 [13.46]	1.500 [38.10]	.389 [9.88]
SCP107918-*	18	1.125-0.1P-0.2L	.585 [14.86]	.188 [4.78]	1.250-18UNEF	1.500 [38.10]	.094 [2.39]	.250 [6.35]	1.156 [29.36]	.623 [15.82]	1.750 [44.45]	.420 [10.67]
SCP107920-*	20	1.250-0.1P-0.2L	.585 [14.86]	.188 [4.78]	1.375-18UNEF	1.562 [39.67]	.094 [2.39]	.250 [6.35]	1.156 [29.36]	.663 [16.84]	1.875 [47.63]	.420 [10.67]
SCP107922-*	22	1.375-0.1P-0.2L	.585 [14.86]	.188 [4.78]	1.500-18UNEF	1.750 [44.45]	.094 [2.39]	.250 [6.35]	1.156 [29.36]	.707 [17.96]	2.000 [50.80]	.420 [10.67]
SCP107924-*	24	1.500-0.1P-0.2L	.585 [14.86]	.188 [4.78]	1.625-18UNEF	1.875 [47.62]	.094 [2.39]	.312 [7.92]	1.219 [30.96]	.751 [19.08]	2.125 [53.98]	.357 [9.07]
SCP107928-*	28	1.750-0.1P-0.2L	.585 [14.86]	.188 [4.78]	1.875-16UN	2.125 [53.97]	.094 [2.39]	.312 [7.92]	1.219 [30.96]	.840 [21.34]	2.375 [60.33]	.357 [9.07]
SCP107932-*	32	2.000-0.1P-0.2L	.585 [14.86]	.219 [5.56]	2.125-16UN	2.375 [60.32]	.094 [2.39]	.282 [7.16]	1.250 [31.75]	.928 [23.57]	2.625 [66.68]	.326 [8.28]
SCP107936-*	36	2.250-0.1P-0.2L	.585 [14.86]	.219 [5.56]	2.375-16UN	2.625 [66.67]	.094 [2.39]	.282 [7.16]	1.250 [31.75]	1.017 [25.83]	2.875 [73.03]	.326 [8.28]
SCP107940-*	40	2.500-0.1P-0.2L	.585 [14.86]	.219 [5.56]	2.625-16UN	2.875 [73.02]	.094 [2.39]	.282 [7.16]	1.250 [31.75]	1.104 [28.04]	3.125 [79.38]	.326 [8.28]
SCP107944-*	44	2.750-0.1P-0.2L	.585 [14.86]	.219 [5.56]	2.875-16UN	3.125 [79.37]	.094 [2.39]	.422 [10.72]	1.390 [35.31]	1.213 [30.81]	3.406 [86.51]	.436 [11.07]
SCP107948-*	48	3.000-0.1P-0.2L	.585 [14.86]	.219 [5.56]	3.125-16UN	3.375 [85.72]	.094 [2.39]	.422 [10.72]	1.390 [35.31]	1.299 [32.99]	3.656 [92.86]	.436 [11.07]

DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.

SCP1079

SWL SERIES SCP1073 JAM NUT RECEPTACLE



PART NUMBER	SHELL SIZE	A THREAD CLASS 2A-DS	B ±.010 [±0.25]	E THREAD CLASS 2A-RH	F HEX ±.010 [±0.25]	H PANEL THICKNESS		M ±.010 [±0.25]	N ±.015 [±0.38]	P ±.010 [±0.25]	S ±.010 [±0.25]	V THREAD CLASS 2A-LH	W ±.010 [±0.25]	Z MAX.
						MIN.	MAX.							
SCP107310-*	10S	.625-0.05P-0.1L	.385 [9.78]	.6875-24UNEF	.875 [22.23]	.094 [2.39]	.227 [5.77]	.844 [21.44]	.469 [11.91]	.375 [9.52]	1.062 [26.97]	.500-28UNEF	.344 [8.74]	.295 [7.49]
SCP107312-*	12S	.750-0.1P-0.2L	.385 [9.78]	.875-20UNEF	1.062 [26.97]	.094 [2.39]	.200 [5.08]	.906 [23.01]	.469 [11.91]	.442 [11.23]	1.250 [31.75]	.625-24UNEF	.344 [8.74]	.232 [5.89]
SCP107313-*	12	.750-0.1P-0.2L	.585 [14.86]	.875-20UNEF	1.062 [26.97]	.094 [2.39]	.188 [4.78]	1.094 [27.79]	.641 [16.28]	.442 [11.23]	1.250 [31.75]	.625-24UNEF	.516 [13.11]	.483 [12.27]
SCP107314-*	14S	.875-0.1P-0.2L	.385 [9.78]	1.000-20UNEF	1.250 [31.75]	.094 [2.39]	.200 [5.08]	.906 [23.01]	.469 [11.91]	.486 [12.34]	1.376 [34.95]	.750-20UNEF	.344 [8.74]	.232 [5.89]
SCP107315-*	14	.875-0.1P-0.2L	.585 [14.86]	1.000-20UNEF	1.250 [31.75]	.094 [2.39]	.188 [4.78]	1.094 [27.79]	.641 [16.28]	.486 [12.34]	1.376 [34.95]	.750-20UNEF	.516 [13.11]	.483 [12.27]
SCP107316-*	16S	1.000-0.1P-0.2L	.385 [9.78]	1.125-18UNEF	1.312 [33.32]	.094 [2.39]	.200 [5.08]	.906 [23.01]	.469 [11.91]	.530 [13.46]	1.500 [38.10]	.875-20UNEF	.344 [8.74]	.232 [5.89]
SCP107317-*	16	1.000-0.1P-0.2L	.585 [14.86]	1.125-18UNEF	1.312 [33.32]	.094 [2.39]	.188 [4.78]	1.094 [27.79]	.641 [16.28]	.530 [13.46]	1.500 [38.10]	.875-20UNEF	.516 [13.11]	.483 [12.27]
SCP107318-*	18	1.125-0.1P-0.2L	.585 [14.86]	1.250-18UNEF	1.500 [38.10]	.094 [2.39]	.203 [5.16]	1.109 [28.17]	.704 [17.88]	.623 [15.82]	1.750 [44.45]	1.000-20UNEF	.516 [13.11]	.467 [11.86]
SCP107320-*	20	1.250-0.1P-0.2L	.585 [14.86]	1.375-18UNEF	1.562 [39.67]	.094 [2.39]	.203 [5.16]	1.109 [28.17]	.704 [17.88]	.663 [16.84]	1.875 [47.63]	1.125-18UNEF	.516 [13.11]	.467 [11.86]
SCP107322-*	22	1.375-0.1P-0.2L	.585 [14.86]	1.500-18UNEF	1.750 [44.45]	.094 [2.39]	.203 [5.16]	1.109 [28.17]	.704 [17.88]	.707 [17.96]	2.000 [50.80]	1.250-18UNEF	.516 [13.11]	.467 [11.86]
SCP107324-*	24	1.500-0.1P-0.2L	.585 [14.86]	1.625-18UNEF	1.875 [47.62]	.094 [2.39]	.265 [6.73]	1.172 [29.77]	.704 [17.88]	.751 [19.08]	2.125 [53.98]	1.375-18UNEF	.516 [13.11]	.404 [10.26]
SCP107328-*	28	1.750-0.1P-0.2L	.585 [14.86]	1.875-16UN	2.125 [53.97]	.094 [2.39]	.265 [6.73]	1.172 [29.77]	.704 [17.88]	.840 [21.34]	2.375 [60.33]	1.625-18UNEF	.516 [13.11]	.404 [10.26]
SCP107332-*	32	2.000-0.1P-0.2L	.585 [14.86]	2.125-16UN	2.375 [60.32]	.094 [2.39]	.203 [5.16]	1.172 [29.77]	.735 [18.67]	.928 [23.57]	2.625 [66.68]	1.875-16UN	.516 [13.11]	.404 [10.26]
SCP107336-*	36	2.250-0.1P-0.2L	.585 [14.86]	2.375-16UN	2.625 [66.67]	.094 [2.39]	.203 [5.16]	1.172 [29.77]	.735 [18.67]	1.017 [25.83]	2.875 [73.03]	2.0625-16UNS	.516 [13.11]	.404 [10.26]
SCP107340-*	40	2.500-0.1P-0.2L	.585 [14.86]	2.625-16UN	2.875 [73.02]	.094 [2.39]	.203 [5.16]	1.172 [29.77]	.735 [18.67]	1.104 [28.04]	3.125 [79.38]	2.3125-16UNS	.516 [13.11]	.404 [10.26]
SCP107344-*	44	2.750-0.1P-0.2L	.585 [14.86]	2.875-16UN	3.125 [79.37]	.094 [2.39]	.265 [6.73]	1.234 [31.34]	.922 [23.42]	1.213 [30.81]	3.406 [86.51]	2.625-16UN	.703 [17.86]	.593 [15.06]
SCP107348-*	48	3.000-0.1P-0.2L	.585 [14.86]	3.125-16UN	3.375 [85.72]	.094 [2.39]	.265 [6.73]	1.234 [31.34]	.922 [23.42]	1.299 [32.99]	3.656 [92.86]	2.875-16UN	.703 [17.86]	.593 [15.06]

DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.

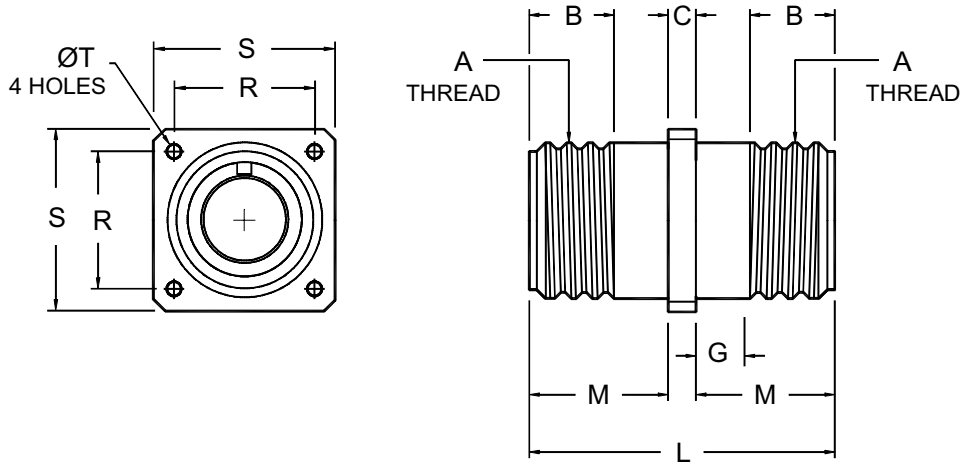
SCP1073

SWL SERIES

SWL SERIES

SCP1074

THRU-BULKHEAD RECEPTACLE

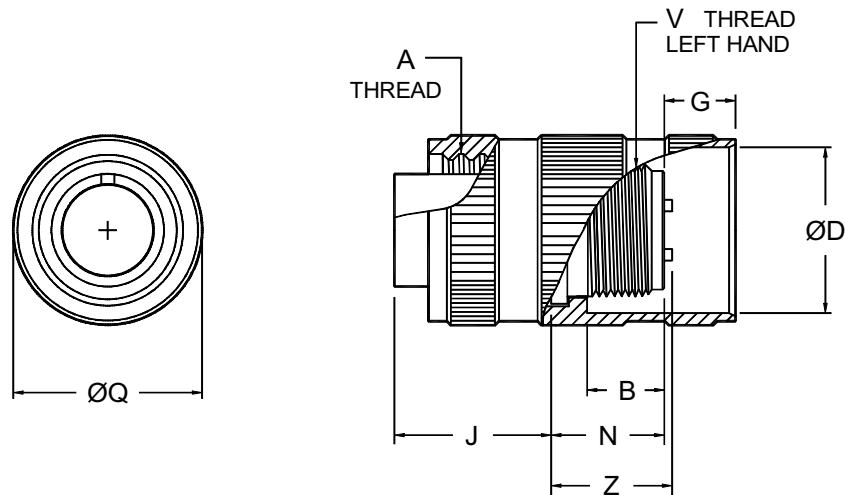


PART NUMBER	SHELL SIZE	A THREAD CLASS 2A	B MIN. FULL THREAD	C REF.	G MAX. BULKHEAD THICKNESS	L ±.015 [±0.38]	M +.000 -.010 [+0.00] [-0.25]	R ±.005 [±0.13]	S ±.020 [±0.51]	T +.004 -.002 [+0.10] [-0.05]
SCP107410-*	10S	.6250-0.05P-0.1L-DS	.406 [10.31]	.141 [3.58]	.266 [6.76]	1.563 [39.70]	.711 [18.06]	.719 [18.26]	1.000 [25.40]	.120 [3.05]
SCP107412-*	12S	.7500-0.1P-0.2L-DS	.406 [10.31]	.141 [3.58]	.266 [6.76]	1.563 [39.70]	.711 [18.06]	.812 [20.62]	1.094 [27.79]	.120 [3.05]
SCP107413-*	12	.7500-0.1P-0.2L-DS	.625 [15.88]	.155 [3.94]	.312 [7.92]	2.125 [53.98]	.985 [25.02]	.812 [20.62]	1.094 [27.79]	.120 [3.05]
SCP107414-*	14S	.8750-0.1P-0.2L-DS	.406 [10.31]	.141 [3.58]	.266 [6.76]	1.563 [39.70]	.711 [18.06]	.906 [23.01]	1.188 [30.18]	.120 [3.05]
SCP107415-*	14	.8750-0.1P-0.2L-DS	.625 [15.88]	.155 [3.94]	.312 [7.92]	2.125 [53.98]	.985 [25.02]	.906 [23.01]	1.188 [30.18]	.120 [3.05]
SCP107416-*	16S	1.0000-0.1P-0.2L-DS	.406 [10.31]	.141 [3.58]	.266 [6.76]	1.563 [39.70]	.711 [18.06]	.969 [24.61]	1.281 [32.54]	.120 [3.05]
SCP107417-*	16	1.0000-0.1P-0.2L-DS	.625 [15.88]	.155 [3.94]	.312 [7.92]	2.125 [53.98]	.985 [25.02]	.969 [24.61]	1.281 [32.54]	.120 [3.05]
SCP107418-*	18	1.1250-0.1P-0.2L-DS	.625 [15.88]	.155 [3.94]	.312 [7.92]	2.125 [53.98]	.985 [25.02]	1.062 [26.97]	1.375 [34.92]	.120 [3.05]
SCP107420-*	20	1.2500-0.1P-0.2L-DS	.625 [15.88]	.155 [3.94]	.312 [7.92]	2.125 [53.98]	.985 [25.02]	1.156 [29.36]	1.500 [38.10]	.120 [3.05]
SCP107422-*	22	1.3750-0.1P-0.2L-DS	.625 [15.88]	.155 [3.94]	.312 [7.92]	2.125 [53.98]	.985 [25.02]	1.250 [31.75]	1.625 [41.27]	.120 [3.05]
SCP107424-*	24	1.5000-0.1P-0.2L-DS	.625 [15.88]	.155 [3.94]	.312 [7.92]	2.125 [53.98]	.985 [25.02]	1.375 [34.92]	1.750 [44.45]	.147 [3.73]
SCP107428-*	28	1.7500-0.1P-0.2L-DS	.625 [15.88]	.155 [3.94]	.312 [7.92]	2.125 [53.98]	.985 [25.02]	1.562 [39.67]	2.000 [50.80]	.147 [3.73]
SCP107432-*	32	2.0000-0.1P-0.2L-DS	.625 [15.88]	.155 [3.94]	.312 [7.92]	2.125 [53.98]	.985 [25.02]	1.750 [44.45]	2.250 [57.15]	.173 [4.39]
SCP107436-*	36	2.2500-0.1P-0.2L-DS	.625 [15.88]	.155 [3.94]	.312 [7.92]	2.125 [53.98]	.985 [25.02]	1.938 [49.23]	2.500 [63.50]	.173 [4.39]
SCP107440-*	40	2.5000-0.1P-0.2L-DS	.625 [15.88]	.155 [3.94]	.312 [7.92]	2.125 [53.98]	.985 [25.02]	2.188 [55.58]	2.750 [69.85]	.173 [4.39]
SCP107444-*	44	2.7500-0.1P-0.2L-DS	.625 [15.88]	.155 [3.94]	.438 [11.13]	2.375 [60.33]	1.110 [28.19]	2.375 [60.32]	3.000 [76.20]	.209 [5.31]
SCP107448-*	48	3.0000-0.1P-0.2L-DS	.625 [15.88]	.155 [3.94]	.438 [11.13]	2.375 [60.33]	1.110 [28.19]	2.625 [66.67]	3.250 [82.55]	.209 [5.31]

SCP1074

DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.

SWL SERIES SCP1076 STRAIGHT PLUG



PART NUMBER	SHELL SIZE	A THREAD CLASS 2B	B ±.020 [±0.51]	ØD +.010 -.000 [+.025] [-0.00]	G ±.030 [±0.76]	J ±.005 [±0.13]	N ±.010 [±0.25]	ØQ MAX.	V THREAD CLASS 2A-LH	Z MAX.
SCP107610-*	10S	.6250-0.05P-0.1L-DS	.406 [10.31]	.735 [18.67]	.053 [1.35]	.531 [13.49]	.563 [14.30]	.882 [22.40]	.5000-28 UNEF	.603 [15.32]
SCP107612-*	12S	.7500-0.1P-0.2L-DS	.406 [10.31]	.859 [21.82]	.109 [2.77]	.531 [13.49]	.563 [14.30]	1.010 [25.65]	.6250-24 UNEF	.603 [15.32]
SCP107613-*	12	.7500-0.1P-0.2L-DS	.578 [14.68]	.859 [21.82]	.077 [1.96]	.719 [18.26]	.750 [19.05]	1.010 [25.65]	.6250-24 UNEF	.852 [21.64]
SCP107614-*	14S	.8750-0.1P-0.2L-DS	.406 [10.31]	.985 [25.02]	.234 [5.94]	.531 [13.49]	.563 [14.30]	1.137 [28.88]	.7500-20 UNEF	.603 [15.32]
SCP107615-*	14	.8750-0.1P-0.2L-DS	.578 [14.68]	.985 [25.02]	.077 [1.96]	.719 [18.26]	.750 [19.05]	1.137 [28.88]	.7500-20 UNEF	.852 [21.64]
SCP107616-*	16S	1.0000-0.1P-0.2L-DS	.406 [10.31]	1.109 [28.17]	.234 [5.94]	.531 [13.49]	.563 [14.30]	1.264 [32.11]	.8750-20 UNEF	.603 [15.32]
SCP107617-*	16	1.0000-0.1P-0.2L-DS	.578 [14.68]	1.109 [28.17]	.141 [3.58]	.719 [18.26]	.750 [19.05]	1.264 [32.11]	.8750-20 UNEF	.852 [21.64]
SCP107618-*	18	1.1250-0.1P-0.2L-DS	.578 [14.68]	1.235 [31.37]	.266 [6.76]	.719 [18.26]	.750 [19.05]	1.455 [36.96]	1.0000-20 UNEF	.852 [21.64]
SCP107620-*	20	1.2500-0.1P-0.2L-DS	.578 [14.68]	1.359 [34.52]	.266 [6.76]	.719 [18.26]	.750 [19.05]	1.551 [39.40]	1.1250-18 UNEF	.852 [21.64]
SCP107622-*	22	1.3750-0.1P-0.2L-DS	.578 [14.68]	1.485 [37.72]	.266 [6.76]	.719 [18.26]	.750 [19.05]	1.678 [42.62]	1.2500-18 UNEF	.852 [21.64]
SCP107624-*	24	1.5000-0.1P-0.2L-DS	.594 [15.09]	1.609 [40.87]	.266 [6.76]	.719 [18.26]	.812 [20.62]	1.806 [45.87]	1.3750-18 UNEF	.852 [21.64]
SCP107628-*	28	1.7500-0.1P-0.2L-DS	.594 [15.09]	1.859 [47.22]	.266 [6.76]	.719 [18.26]	.812 [20.62]	2.060 [52.32]	1.6250-18 UNEF	.852 [21.64]
SCP107632-*	32	2.0000-0.1P-0.2L-DS	.594 [15.09]	2.109 [53.57]	.266 [6.76]	.719 [18.26]	.875 [22.23]	2.315 [58.80]	1.8750-16 UN	.852 [21.64]
SCP107636-*	36	2.2500-0.1P-0.2L-DS	.556 [14.12]	2.359 [59.92]	.285 [7.24]	.719 [18.26]	.875 [22.23]	2.569 [65.25]	2.0625-16 UNS	.852 [21.64]
SCP107640-*	40	2.5000-0.1P-0.2L-DS	.556 [14.12]	2.609 [66.27]	.285 [7.24]	.719 [18.26]	.875 [22.23]	2.864 [72.75]	2.3125-16 UNS	.852 [21.64]
SCP107644-*	44	2.7500-0.1P-0.2L-DS	.700 [17.78]	2.922 [74.22]	.141 [3.58]	.719 [18.26]	1.000 [25.40]	3.142 [79.81]	2.6250-16 UN	1.103 [28.02]
SCP107648-*	48	3.0000-0.1P-0.2L-DS	.719 [18.26]	3.172 [80.57]	.141 [3.58]	.719 [18.26]	1.000 [25.40]	3.381 [85.88]	2.8750-16 UN	1.093 [27.76]

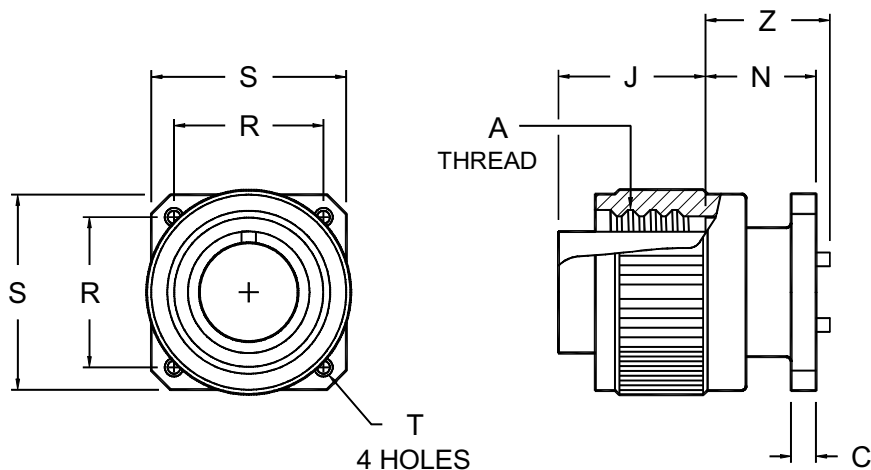
DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.

SCP1076

SWL SERIES

SCP1077

WALL MOUNT PLUG



PART NUMBER	SHELL SIZE	A THREAD CLASS 2B	C ±.005 [±0.13]	J ±.005 [±0.13]	N ±.020 [±0.51]	R ±.005 [±0.13]	S ±.020 [±0.51]	T THREAD	Z MAX.
SCP107710-*	10S	.6250-0.05P-0.1L-DS	.125 [3.18]	.531 [13.49]	.438 [11.13]	.562 [14.27]	.781 [19.84]	4-40 NC	.602 [15.29]
SCP107712-*	12S	.7500-0.1P-0.2L-DS	.156 [3.96]	.531 [13.49]	.438 [11.13]	.812 [20.62]	1.062 [26.97]	4-40 NC	.602 [15.29]
SCP107713-*	12	.7500-0.1P-0.2L-DS	.156 [3.96]	.719 [18.26]	.688 [17.48]	.812 [20.62]	1.062 [26.97]	4-40 NC	.852 [21.64]
SCP107714-*	14S	.8750-0.1P-0.2L-DS	.156 [3.96]	.531 [13.49]	.438 [11.13]	.812 [20.62]	1.062 [26.97]	4-40 NC	.602 [15.29]
SCP107715-*	14	.8750-0.1P-0.2L-DS	.156 [3.96]	.719 [18.26]	.688 [17.48]	.812 [20.62]	1.062 [26.97]	4-40 NC	.852 [21.64]
SCP107716-*	16S	1.0000-0.1P-0.2L-DS	.156 [3.96]	.531 [13.49]	.438 [11.13]	1.000 [25.40]	1.312 [33.32]	6-32 NC	.602 [15.29]
SCP107717-*	16	1.0000-0.1P-0.2L-DS	.156 [3.96]	.719 [18.26]	.688 [17.48]	1.000 [25.40]	1.312 [33.32]	6-32 NC	.852 [21.64]
SCP107718-*	18	1.1250-0.1P-0.2L-DS	.156 [3.96]	.719 [18.26]	.688 [17.48]	1.000 [25.40]	1.312 [33.32]	6-32 NC	.852 [21.64]
SCP107720-*	20	1.2500-0.1P-0.2L-DS	.188 [4.78]	.719 [18.26]	.688 [17.48]	1.250 [31.75]	1.625 [41.28]	10-32 NF	.852 [21.64]
SCP107722-*	22	1.3750-0.1P-0.2L-DS	.188 [4.78]	.719 [18.26]	.688 [17.48]	1.250 [31.75]	1.625 [41.28]	10-32 NF	.852 [21.64]
SCP107724-*	24	1.5000-0.1P-0.2L-DS	.188 [4.78]	.719 [18.26]	.688 [17.48]	1.562 [39.67]	2.000 [50.80]	10-32 NF	.852 [21.64]
SCP107728-*	28	1.7500-0.1P-0.2L-DS	.188 [4.78]	.719 [18.26]	.688 [17.48]	1.562 [39.67]	2.000 [50.80]	10-32 NF	.852 [21.64]
SCP107732-*	32	2.0000-0.1P-0.2L-DS	.250 [6.35]	.719 [18.26]	.781 [19.84]	1.812 [46.02]	2.500 [63.50]	10-32 NF	.852 [21.64]
SCP107736-*	36	2.2500-0.1P-0.2L-DS	.250 [6.35]	.719 [18.26]	.781 [19.84]	1.812 [46.02]	2.500 [63.50]	10-32 NF	.852 [21.64]
SCP107740-*	40	2.5000-0.1P-0.2L-DS	.250 [6.35]	.719 [18.26]	.781 [19.84]	2.250 [57.15]	3.031 [76.99]	10-32 NF	.852 [21.64]
SCP107744-*	44	2.7500-0.1P-0.2L-DS	.250 [6.35]	.719 [18.26]	1.000 [25.40]	2.375 [60.33]	3.031 [76.99]	10-32 NF	.852 [21.64]
SCP107748-*	48	3.0000-0.1P-0.2L-DS	.250 [6.35]	.719 [18.26]	1.000 [25.40]	2.562 [65.07]	3.250 [82.55]	10-32 NF	.852 [21.64]

DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.

SCP1077

SECTION 6A SWL SERIES CONNECTOR ACCESSORY QUICK REFERENCE

(FOR COMPLETE DETAILS ON THESE PARTS SEE **SPACECRAFT CATALOG 401**)

ACCESSORY	PART NUMBER
BACKSHELLS, ENVIRONMENTAL	
STRAIGHT - CABLE SEALING GLAND	SCP101333-*
	SCP101335-*
STRAIGHT - CABLE SEALING GLAND - WITH KELLUMS GRIP	SCP101332-*
	SCP101334-*
	SCP113637-*
STRAIGHT - CABLE SEALING ADAPTER	SCP113138-*
	SCP113196-*
	B002A-AM
	B002B-AM
STRAIGHT - FOR ANAMET CONDUIT	B031*AM
STRAIGHT - FOR PG ADAPTERS	B033*AM
STRAIGHT - FOR PIPE THREAD (PT) ADAPTERS	B035*AM
STRAIGHT - FOR SEALTITE™ LIQUIDTITE CONDUIT	B037*AM
45° - CABLE SEALING GLAND	B002CC-AM
90° - CABLE SEALING GLAND	B002D-AM
BACKSHELLS, SHORTING CANS	
	B012*AM
	B013*AM
BACKSHELLS, STRAIN RELIEFS/CABLE CLAMPS	
CABLE CLAMP	MS3057-*B
	MS3057-*C
INDIVIDUAL WIRE SEALING	SCP749**.*
BACKSHELLS, SHRINK BOOT ADAPTERS	
STRAIGHT BOOT ADAPTER	B006A-AM
	B006B-AM
DUMMY RECEPTACLES	
	SCP1075**
DUST CAPS	
METAL, FOR PLUG	SCP101046-*
	SCP101531-*
METAL, FOR RECEPTACLE	SCP101048-*
	SCP101063-*
GASKET FOR FLANGE MOUNT RECEPTACLES	
	SCP36675-*
	SCP40450-*
MOUNTING PLATES	
	NOTE 1
RUBBER BUSHINGS	
	MS3420-*A

* Additional alpha-numeric are required to complete part number

SWL-1

NOTE 1 Contact sales department for part number and availability

SWL SERIES



SPACECRAFT
COMPONENTS CORP.
DISTRIBUTION DIVISION



3040 North Clayton Street
Phone: 702-851-7600
Email: space@spacecraft.com

North Las Vegas, NV 89032
Fax: 702-851-7620
Web: www.spacecraft.com

SECTION 7A

SWLD SERIES

CONNECTORS

- EQUIVALENT TO THE AMPHENOL/BENDIX QWLD as well as the ITT CANNON CWLD SERIES.
- HIGH CURRENT CAPACITY for power distribution network and inputs into large equipment.
- RUGGED CONSTRUCTION consists of high strength machined aluminum shells with a choice of either a conductive or non-conductive finish. Shock resistant resilient inserts. Gaskets and/or "O" rings at appropriate surfaces for perfect weathertight connections.
- EASE OF OPERATION with fast coupling, double stub threads, left hand accessory threads and single keyway mating.
- INSERT AVAILABILITY - Both MS and custom insert patterns available to accommodate a wide variety of multiconductor cables.

SWLD SERIES

OPERATING CHARACTERISTICS

CONDITION	CONFIGURATION	DESCRIPTION	REFERENCE
DURABILITY	MATED	500 complete mating/unmating cycles	MIL-C-22992
FLUID IMMERSION	UNMATED	20 hours immersion in hydraulic fluid and lubricating oil	MIL-C-22992
HIGH IMPACT	MATED	Nine hammer blows from 1, 3 and 5 feet, three each in three axes on mounting panel	MIL-STD-202 method 207
MOISTURE RESISTANCE (Cable mounted connectors)	MATED	Ten complete 24 hour cycles of +25°C to +65°C temperature at 90% to 98% humidity	MIL-STD-202 method 106
SALT SPRAY (CORROSION)	UNMATED	48 hour exposure to atomized 5% saline solution at +35°C	MIL-STD-1344 method 1001
THERMAL SHOCK	UNMATED	Five complete one hour temperature cycles of -55°C to +125°C	MIL-STD-1344 method 1003 test condition
VIBRATION	MATED	10 TO 55 Hz, 06 inch total excursion in 1 minute cycles for 6 hours 55 to 2000 Hz, 10G peak amplitude sweep	MIL-STD-1344 method 2005
WATER IMMERSION	MATED	4 hours immersion at 1 atmosphere pressure differential	MIL-C-22992

SWLD SERIES

ORDERING INFORMATION

MIL-C-22992 Class C, J & R

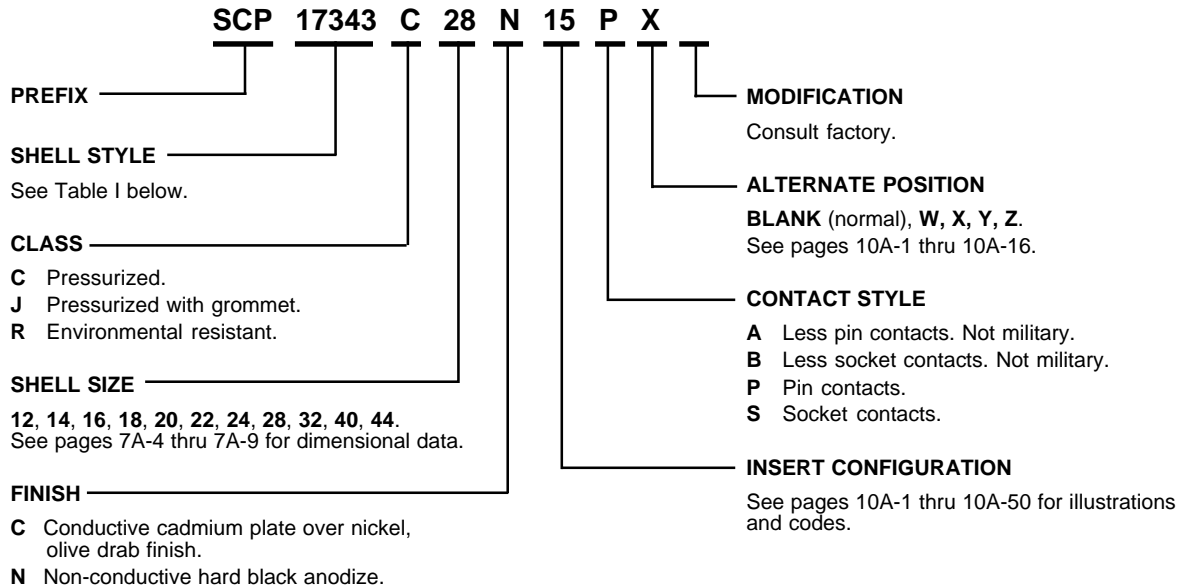


TABLE I. SHELL STYLE

SHELL STYLE	DESCRIPTION	SEE PAGE
SCP17343	Wall mount receptacle	7A-4
SCP17344	Plug	7A-5
SCP17345	In-line receptacle	7A-6
SCP17346	Box mount receptacle	7A-7
SCP17347	Jam nut receptacle, wall mount	7A-8
SCP17348	Jam nut receptacle, box mount	7A-9

SC58



SWLD SERIES

ORDERING INFORMATION

SCP194 0 28 - 15 P B88

SERIES PREFIX _____

SHELL STYLE _____

See Table I below.

SHELL SIZE _____

SWLD	10	12	13	14	15	16	17	18	20	22	24	28	32	36	40	44	48
MIL-C-5015	10S	12S	12	14S	14	16S	16	18	20	22	24	28	32	36	40	44	48

INSERT CONFIGURATION _____

See pages 10A-1 thru 10A-50 for illustrations and codes.

TABLE I. SHELL STYLE

SHELL STYLE	DESCRIPTION	SEE PAGE
SCP1940	Wall mount receptacle	7A-4
SCP1941	In-line receptacle	7A-6
SCP1942	Box mount receptacle	7A-7
SCP1943	Jam nut receptacle, wall mount	7A-8
SCP1946	Plug	7A-5
SCP1949	Jam nut receptacle, box mount	7A-9

SC58A

MODIFICATION

- BLANK** Solder type contacts, silver plated (Standard).
 - B68** Solder type contacts, plated .00005 gold over silver. Size 8, 4 and 1/0 contacts have filled solder pots.
 - B75** Crimp type contacts, silver plated.
 - B80** Less contacts.
 - B81** Crimp type contacts, plated .0001 gold over silver.
 - B82** Crimp type contacts for MIL-C-13777 cable, silver plated.
 - B83** Crimp type contacts for MIL-C-13777 cable, plated .0001 gold over silver.
 - B85** Crimp type contacts plated .00005 gold over silver.
- The above modifications utilize connector shells with a non-conductive hard anodize finish Alumilite 225® over aluminum.
- B88** Solder contact, olive drab plating over nickel conductive finish.
 - SLN** Self-locking coupling nut.

CONTACT STYLE/ALTERNATE POSITION

This Series utilizes a single letter code for both Contact Style and Alternate Position. Select the code from the Table below. See pages 10A-1 thru 10A-16 for Alternate Positions available for each Insert Configuration.

CODE		ALTERNATE POSITION
PIN	SOCKET	
P	S	NORMAL
G	H	W
I	J	X
K	L	Y
M	N	Z

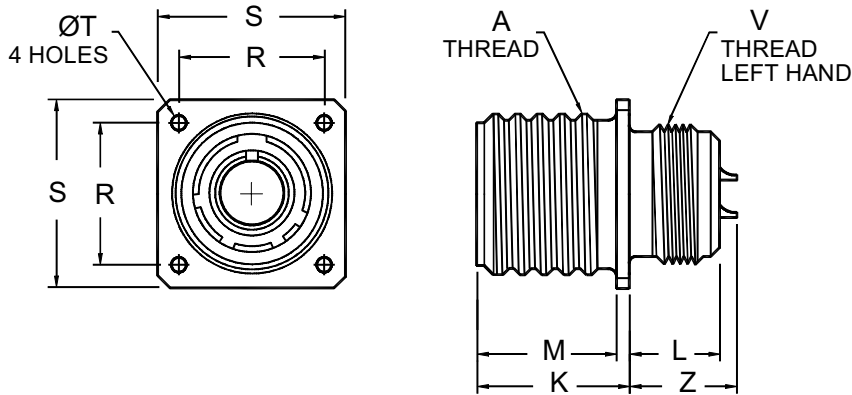
SWLD SERIES

SWLD SERIES

SCP1940

SCP17343

WALL MOUNT RECEPTACLE



SHELL SIZE	A THREAD CLASS 2A	K +.021 -.020 [+0.53] [-0.51]	L ±.020 [±0.51]	M +.010 -.000 [+0.25] [-0.00]	R (TP)	S +.021 -.020 [+0.53] [-0.51]	T ±.005 [±0.13]	V THREAD CLASS 2A-LH	Z	
									MAX.	MIN.
									②	(SIZE 0 ONLY)
12	.875-0.1P-0.2L-DS	.938 [23.83]	.640 [16.26]	.797 [20.24]	.906 [23.01]	1.188 [30.18]	.150 [3.81]	.7500-20 UNEF	.726 [18.44]	NA
14	1.0000-0.1P-0.2L-DS	.938 [23.83]	.640 [16.26]	.797 [20.24]	.969 [24.61]	1.281 [32.54]	.150 [3.81]	.8750-20 UNEF	.726 [18.44]	
16	1.1250-0.1P-0.2L-DS	.938 [23.83]	.640 [16.26]	.797 [20.24]	1.062 [26.97]	1.375 [34.92]	.150 [3.81]	1.0000-20 UNEF	.726 [18.44]	
18	1.2500-0.1P-0.2L-DS	.953 [24.21]	.625 [15.87]	.797 [20.24]	1.156 [29.36]	1.500 [38.10]	.177 [4.50]	1.1250-18 NEF	.711 [18.06]	
20	1.3750-0.1P-0.2L-DS	.953 [24.21]	.625 [15.87]	.797 [20.24]	1.250 [31.75]	1.625 [41.27]	.177 [4.50]	1.2500-18 NEF	.711 [18.06]	.780 [19.81]
22	1.5000-0.1P-0.2L-DS	.953 [24.21]	.625 [15.87]	.797 [20.24]	1.375 [34.92]	1.750 [44.45]	.177 [4.50]	1.3750-18 NEF	.711 [18.06]	
24	1.7500-0.1P-0.2L-DS	1.047 [26.59]	.594 [15.09]	.859 [21.82]	1.562 [39.67]	2.000 [50.80]	.177 [4.50]	1.6250-18 NEF	.617 [15.67]	.686 [17.42]
28	2.0000-0.1P-0.2L-DS	1.047 [26.59]	.594 [15.09]	.859 [21.82]	1.750 [44.45]	2.250 [57.15]	.177 [4.50]	1.8750-16 UN	.617 [15.67]	
32	2.2500-0.1P-0.2L-DS	1.111 [28.22]	.530 [13.46]	.922 [23.42]	1.938 [49.23]	2.500 [63.50]	.209 [5.31]	2.0625-16 N	.553 [14.05]	.622 [15.80]
36	2.5000-0.1P-0.2L-DS	1.111 [28.22]	.530 [13.46]	.922 [23.42]	2.188 [55.58]	2.750 [69.85]	.209 [5.31]	2.3125-16 N	.553 [14.05]	
40	2.7500-0.1P-0.2L-DS	1.111 [28.22]	.703 [17.86]	.922 [23.42]	2.375 [60.32]	3.000 [76.20]	.209 [5.31]	2.6250-16 UN	.553 [14.05]	.622 [15.80]
44	3.0000-0.1P-0.2L-DS	1.109 [28.17]	.703 [17.86]	.922 [23.42]	2.625 [66.67]	3.250 [82.55]	.209 [5.31]	2.8750-16 UN	.797 [20.24]	

SC6B211

1. DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.

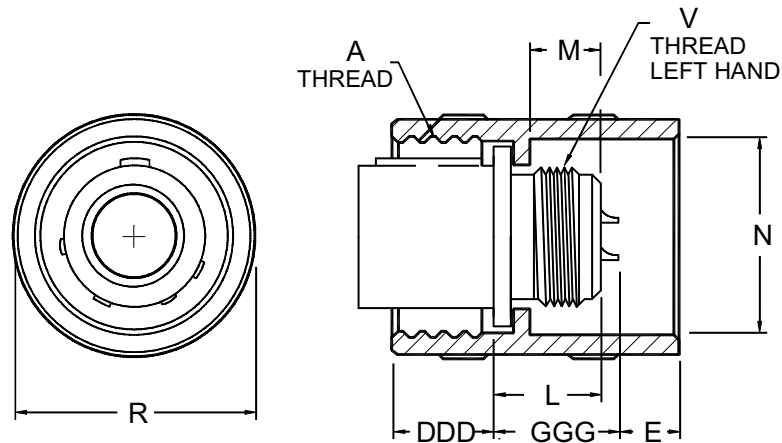
② FOR SIZE 0 CONTACTS ONLY, INCREASE Z DIMENSION BY .312 [7.92] FOR SHELL SIZES 12 THRU 40 AND BY .062 [1.57] FOR SHELL SIZE 44.

SWLD SERIES

SCP1946

SCP17344

PLUG



SHELL SIZE	A THREAD CLASS 2B	E MAX.	L +.011 -.010 [+0.28] [-0.25]	M ±.031 [±0.79]	ØN +.010 -.001 [+0.25] [-0.03]	ØR MAX.	V THREAD CLASS 2A-LH	DDD	GGG MAX.
12	.875-0.1P-0.2L-DS	.100 [2.54]	.738 [18.75]	.529 [13.44]	.985 [25.02]	1.156 [29.36]	.7500-20 UNEF	.655/.593 [16.64/15.06]	.898 [22.81]
14	1.0000-0.1P-0.2L-DS	.100 [2.54]	.738 [18.75]	.529 [13.44]	1.109 [28.17]	1.281 [32.54]	.8750-20 UNEF	.655/.593 [16.64/15.06]	.898 [22.81]
16	1.1250-0.1P-0.2L-DS	.150 [3.81]	.738 [18.75]	.529 [13.44]	1.235 [31.37]	1.469 [37.31]	1.0000-20 UNEF	.655/.593 [16.64/15.06]	.898 [22.81]
18	1.2500-0.1P-0.2L-DS	.275 [6.98]	.738 [18.75]	.529 [13.44]	1.359 [34.52]	1.563 [39.70]	1.1250-18 NEF	.655/.593 [16.64/15.06]	.898 [22.81]
20	1.3750-0.1P-0.2L-DS	.275 [6.98]	.738 [18.75]	.529 [13.44]	1.485 [37.72]	1.688 [42.88]	1.2500-18 NEF	.655/.593 [16.64/15.06]	.898 [22.81]
22	1.5000-0.1P-0.2L-DS	.275 [6.98]	.738 [18.75]	.529 [13.44]	1.609 [40.87]	1.844 [46.84]	1.3750-18 NEF	.655/.593 [16.64/15.06]	.898 [22.81]
24	1.7500-0.1P-0.2L-DS	.275 [6.98]	.800 [20.32]	.529 [13.44]	1.859 [47.22]	2.094 [53.19]	1.6250-18 NEF	.655/.593 [16.64/15.06]	.898 [22.81]
28	2.0000-0.1P-0.2L-DS	.275 [6.98]	.800 [20.32]	.529 [13.44]	2.109 [53.57]	2.344 [59.54]	1.8750-16 UN	.655/.593 [16.64/15.06]	.898 [22.81]
32	2.2500-0.1P-0.2L-DS	.275 [6.98]	.875 [22.22]	.529 [13.44]	2.359 [59.92]	2.594 [65.89]	2.0625-16 N	.677/.610 [17.20/15.49]	.898 [22.81]
36	2.5000-0.1P-0.2L-DS	.300 [7.62]	.875 [22.22]	.529 [13.44]	2.609 [66.27]	2.844 [72.24]	2.3125-16 N	.701/.634 [17.80/16.10]	.898 [22.81]
40	2.7500-0.1P-0.2L-DS	.100 [2.54]	1.041 [26.44]	.717 [18.21]	2.922 [74.22]	3.156 [80.16]	2.6250-16 UN	.679/.618 [17.25/15.70]	.898 [22.81]
44	3.0000-0.1P-0.2L-DS	.109 [2.77]	1.041 [26.44]	.717 [18.21]	3.172 [80.57]	3.406 [86.51]	2.8750-16 UN	.679/.618 [17.25/15.70]	1.062 [26.97]

DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.

SC6B212

SWLD SERIES



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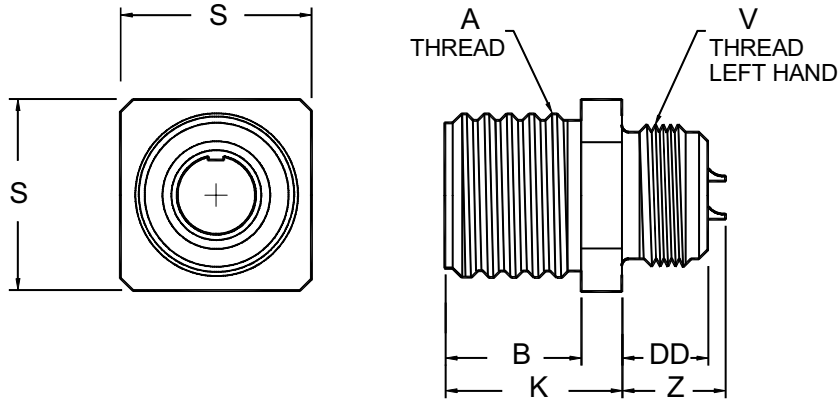
7A-5

SWLD SERIES

SCP1941

SCP17345

IN-LINE RECEPTACLE



SHELL SIZE	A THREAD CLASS 2A	B +.016 -.000 [+0.41] [-0.00]	ØD +.005 -.010 [+0.13] [-0.25]	K +.021 -.020 [+0.53] [-0.51]	S +.021 -.020 [+0.53] [-0.51]	V THREAD CLASS 2A-LH	DD ±.010 [±0.25]	Z	
								MAX.	MIN.
								②	(SIZE 0 ONLY)
12	.875-0.1P-0.2L-DS	.688 [17.48]	.567 [14.40]	.938 [23.83]	1.000 [25.40]	.7500-20 UNEF	.641 [16.28]	.726 [18.44]	NA
14	1.0000-0.1P-0.2L-DS	.688 [17.48]	.692 [17.58]	.938 [23.83]	1.094 [27.79]	.8750-20 UNEF	.641 [16.28]	.726 [18.44]	
16	1.1250-0.1P-0.2L-DS	.688 [17.48]	.817 [20.75]	.938 [23.83]	1.281 [32.54]	1.0000-20 UNEF	.641 [16.28]	.726 [18.44]	
18	1.2500-0.1P-0.2L-DS	.703 [17.86]	.942 [23.93]	.953 [24.21]	1.375 [34.92]	1.1250-18 NEF	.625 [15.87]	.711 [18.06]	
20	1.3750-0.1P-0.2L-DS	.703 [17.86]	1.068 [27.13]	.953 [24.21]	1.500 [38.10]	1.2500-18 NEF	.625 [15.87]	.711 [18.06]	.780 [19.81]
22	1.5000-0.1P-0.2L-DS	.703 [17.86]	1.192 [30.28]	.953 [24.21]	1.625 [41.27]	1.3750-18 NEF	.625 [15.87]	.711 [18.06]	
24	1.7500-0.1P-0.2L-DS	.766 [19.46]	1.317 [33.45]	1.016 [25.81]	1.875 [47.62]	1.6250-18 NEF	.625 [15.87]	.648 [16.46]	.717 [18.21]
28	2.0000-0.1P-0.2L-DS	.766 [19.46]	1.536 [39.01]	1.016 [25.81]	2.125 [53.97]	1.8750-16 UN	.625 [15.87]	.648 [16.46]	
32	2.2500-0.1P-0.2L-DS	.703 [17.86]	1.786 [45.36]	1.078 [27.38]	2.375 [60.32]	2.0625-16 N	.563 [14.30]	.576 [14.63]	.655 [16.64]
36	2.5000-0.1P-0.2L-DS	.703 [17.86]	2.005 [50.93]	1.078 [27.38]	2.625 [66.67]	2.3125-16 N	.563 [14.30]	.576 [14.63]	.655 [16.64]
40	2.7500-0.1P-0.2L-DS	.703 [17.86]	2.255 [57.28]	1.078 [27.38]	3.000 [76.20]	2.6250-16 UN	.703 [17.86]	.576 [14.63]	.655 [16.64]
44	3.0000-0.1P-0.2L-DS	.703 [17.86]	2.545 [64.64]	1.078 [27.38]	3.250 [82.55]	2.8750-16 UN	.703 [17.86]	.797 [20.24]	.655 [16.64]

1. DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.

② FOR SIZE 0 CONTACTS ONLY, INCREASE Z DIMENSION BY .312 [7.92] FOR SHELL SIZES 12 THRU 40 AND BY .062 [1.57] FOR SHELL SIZE 44.

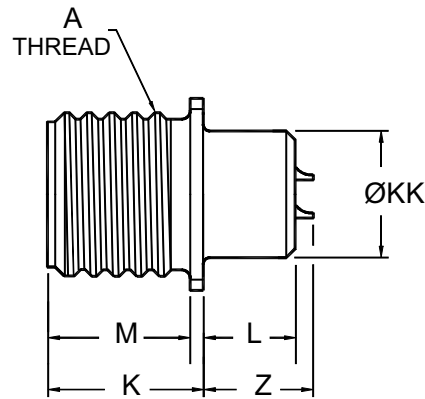
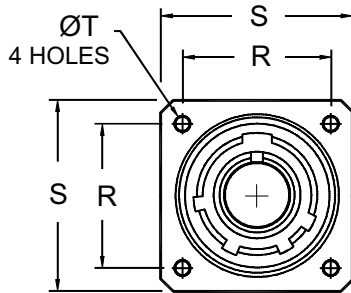
SC6B213

SWLD SERIES

SCP1942

SCP17346

BOX MOUNT RECEPTACLE



SHELL SIZE	A THREAD CLASS 2A	K +.021 -.010 [+0.53] [-0.25]	L +.020 -.030 [+0.51] [-0.76]	M +.010 -.000 [+0.25] [-0.00]	R (TP)	S +.021 -.020 [+0.53] [-0.51]	T ±.005 [±0.13]	ØKK +.011 -.010 [+0.30] [-0.25]	Z	
									MAX.	MIN.
									②	(SIZE 0 ONLY)
12	.875-0.1P-0.2L-DS	.938 [23.83]	.640 [16.26]	.797 [20.24]	.906 [23.01]	1.188 [30.18]	.150 [3.81]	.640 [16.26]	.738 [18.75]	NA
14	1.0000-0.1P-0.2L-DS	.938 [23.83]	.640 [16.26]	.797 [20.24]	.969 [24.61]	1.281 [32.54]	.150 [3.81]	.765 [19.43]	.738 [18.75]	
16	1.1250-0.1P-0.2L-DS	.938 [23.83]	.640 [16.26]	.797 [20.24]	1.062 [26.97]	1.375 [34.92]	.150 [3.81]	.890 [22.61]	.738 [18.75]	
18	1.2500-0.1P-0.2L-DS	.953 [24.21]	.625 [15.87]	.797 [20.24]	1.156 [29.36]	1.500 [38.10]	.177 [4.50]	1.015 [25.78]	.723 [18.36]	
20	1.3750-0.1P-0.2L-DS	.953 [24.21]	.625 [15.87]	.797 [20.24]	1.250 [31.75]	1.625 [41.27]	.177 [4.50]	1.171 [29.74]	.723 [18.36]	.780 [19.81]
22	1.5000-0.1P-0.2L-DS	.953 [24.21]	.625 [15.87]	.797 [20.24]	1.375 [34.92]	1.750 [44.45]	.177 [4.50]	1.296 [32.92]	.723 [18.36]	
24	1.7500-0.1P-0.2L-DS	1.047 [26.59]	.594 [15.09]	.859 [21.82]	1.562 [39.67]	2.000 [50.80]	.177 [4.50]	1.421 [36.09]	.660 [16.76]	.686 [17.42]
28	2.0000-0.1P-0.2L-DS	1.047 [26.59]	.594 [15.09]	.859 [21.82]	1.750 [44.45]	2.250 [57.15]	.177 [4.50]	1.625 [41.27]	.660 [16.76]	
32	2.2500-0.1P-0.2L-DS	1.110 [28.19]	.531 [13.49]	.922 [23.42]	1.938 [49.23]	2.500 [63.50]	.209 [5.31]	1.891 [48.03]	.540 [13.72]	.622 [15.80]
36	2.5000-0.1P-0.2L-DS	1.110 [28.19]	.531 [13.49]	.922 [23.42]	2.188 [55.58]	2.750 [69.85]	.209 [5.31]	2.078 [52.78]	.540 [13.72]	.622 [15.80]
40	2.7500-0.1P-0.2L-DS	1.110 [28.19]	.531 [13.49]	.922 [23.42]	2.375 [60.32]	3.000 [76.20]	.209 [5.31]	2.312 [58.72]	.540 [13.72]	.622 [15.80]
44	3.0000-0.1P-0.2L-DS	1.110 [28.19]	.531 [13.49]	.922 [23.42]	2.625 [66.67]	3.250 [82.55]	.209 [5.31]	2.562 [65.07]	.540 [13.72]	.622 [15.80]

1. DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.

② FOR SIZE 0 CONTACTS ONLY, INCREASE Z DIMENSION BY .312 [7.92] FOR SHELL SIZES 12 THRU 40 AND BY .062 [1.57] FOR SHELL SIZE 44.

SC6B214



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7A-7

SWLD SERIES

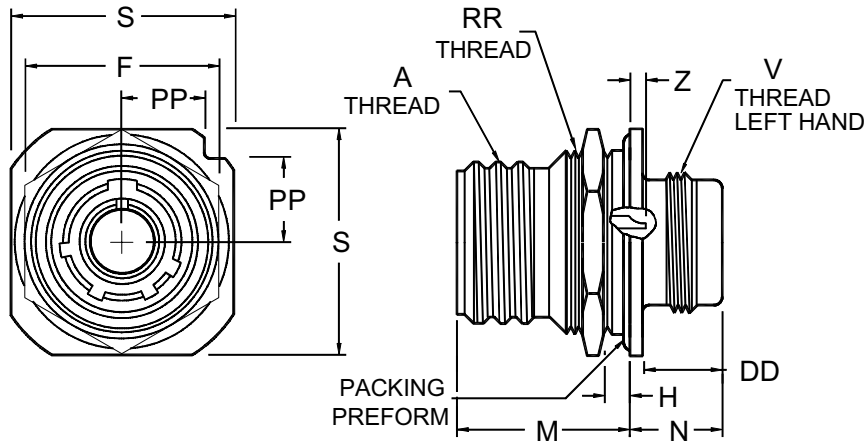
SWLD SERIES

SCP1943

SCP17347

JAM NUT RECEPTACLE

WALL MOUNT



SHELL SIZE	A THREAD CLASS 2A-DS	F HEX +.017 -.016 [+0.43] [-0.41]	H PANEL THICKNESS		M ±.010 [±0.25]	N +.021 -.020 [+0.53] [-0.51]	S	V THREAD CLASS 2A-LH	Z		DD	PP +.011 -.010 [+0.28] [-0.25]	RR THREAD CLASS 2A-RH	PACKING PREFORMED MS29513-
			MIN.	MAX.					MAX.	MIN.				
									②	(SIZE 0 ONLY)				
12	.875-0.1P-0.2L	1.250 [31.75]	.094 [2.39]	.188 [4.78]	1.141 [28.98]	.641 [16.28]	1.375 [34.92]	.750-20UNEF	.523 [13.28]	NA	.516 [13.11]	.486 [12.34]	1.000-20UNEF	24
14	1.000-0.1P-0.2L	1.312 [33.32]	.094 [2.39]	.188 [4.78]	1.141 [28.98]	.641 [16.28]	1.500 [38.10]	.875-20UNEF	.523 [13.28]		.516 [13.11]	.530 [13.46]	1.125-18NEF	26
16	1.125-0.1P-0.2L	1.500 [38.10]	.094 [2.39]	.188 [4.78]	1.141 [28.98]	.703 [17.86]	1.750 [44.45]	1.000-20UNEF	.523 [13.28]		.516 [13.11]	.623 [15.82]	1.250-18NEF	127
18	1.250-0.1P-0.2L	1.562 [39.67]	.094 [2.39]	.203 [5.16]	1.156 [29.36]	.703 [17.86]	1.875 [47.62]	1.125-18NEF	.508 [12.90]		.516 [13.11]	.663 [16.84]	1.375-18NEF	129
20	1.375-0.1P-0.2L	1.750 [44.45]	.094 [2.39]	.203 [5.16]	1.156 [29.36]	.703 [17.86]	2.000 [50.80]	1.250-18NEF	.508 [12.90]	.582 [14.78]	.516 [13.11]	.707 [17.96]	1.500-18NEF	131
22	1.500-0.1P-0.2L	1.875 [47.62]	.094 [2.39]	.203 [5.16]	1.156 [29.36]	.703 [17.86]	2.125 [53.97]	1.375-18NEF	.508 [12.90]		.516 [13.11]	.751 [19.08]	1.625-18NEF	133
24	1.750-0.1P-0.2L	2.125 [53.97]	.094 [2.39]	.265 [6.73]	1.219 [30.96]	.703 [17.86]	2.375 [60.32]	1.625-18NEF	.455 [11.56]	.519 [13.18]	.516 [13.11]	.840 [21.34]	1.875-16UN	137
28	2.000-0.1P-0.2L	2.375 [60.32]	.094 [2.39]	.277 [7.04]	1.231 [31.27]	.785 [19.94]	2.625 [66.67]	1.875-16UN	.433 [11.00]	.507 [12.88]	.516 [13.11]	.928 [23.57]	2.125-16UN	141
32	2.250-0.1P-0.2L	2.625 [66.67]	.094 [2.39]	.215 [5.46]	1.231 [31.27]	.785 [19.94]	2.875 [73.02]	2.0625-16N	.433 [11.00]		.516 [13.11]	1.017 [25.83]	2.375-16UN	145
36	2.500-0.1P-0.2L	2.875 [73.02]	.094 [2.39]	.215 [5.46]	1.231 [31.27]	.785 [19.94]	3.125 [79.37]	2.3125-16N	.433 [11.00]	.507 [12.88]	.516 [13.11]	1.104 [28.04]	2.625-16UN	149
40	2.750-0.1P-0.2L	3.125 [79.37]	.094 [2.39]	.215 [5.46]	1.231 [31.27]	.972 [24.69]	3.406 [86.51]	2.625-16UN	.433 [11.00]		.703 [17.86]	1.213 [30.81]	2.875-16UN	234
44	3.000-0.1P-0.2L	3.375 [85.72]	.094 [2.39]	.215 [5.46]	1.231 [31.27]	.972 [24.69]	3.656 [92.86]	2.875-16UN	.656 [16.66]		.703 [17.86]	1.299 [32.99]	3.125-16UN	236

1. DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.

②. FOR SIZE 0 CONTACTS ONLY, INCREASE Z DIMENSION BY .312 [7.92] FOR SHELL SIZES 12 THRU 40 AND BY .062 [1.57] FOR SHELL SIZE 44.

SC6B215

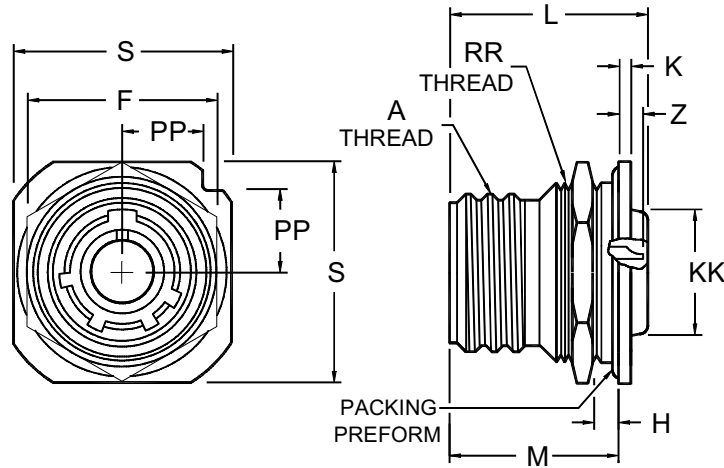
SWLD SERIES

SCP1949

SCP17348

JAM NUT RECEPTACLE

BOX MOUNT



SHELL SIZE	A THREAD CLASS 2A-DS	F HEX +.017 -.016 [+0.43] [-0.41]	H PANEL THICKNESS		K +.006 -.005 [+0.15] [-0.13]	L +.011 -.010 [+0.28] [-0.25]	M	S MAX.	Z		ØKK +.011 -.010 [+0.28] [-0.25]	PP +.011 -.010 [+0.28] [-0.25]	RR THREAD CLASS 2A-RH	PACKING PREFORMED MS29513-
			MIN.	MAX.					② (SIZE 0 ONLY)	MIN.				
12	.875-0.1P-0.2L	1.250 [31.75]	.094 [2.39]	.297 [7.54]	.125 [3.17]	1.578 [40.08]	1.235 [31.37]	1.375 [34.92]	.429 [10.90]	NA	.640 [16.26]	.486 [12.34]	1.000-20UNEF	24
14	1.000-0.1P-0.2L	1.312 [33.32]	.094 [2.39]	.297 [7.54]	.125 [3.17]	1.578 [40.08]	1.235 [31.37]	1.500 [38.10]	.429 [10.90]		.765 [19.43]	.530 [13.46]	1.125-18NEF	26
16	1.125-0.1P-0.2L	1.500 [38.10]	.094 [2.39]	.297 [7.54]	.188 [4.78]	1.578 [40.08]	1.235 [31.37]	1.750 [44.45]	.461 [11.71]		.890 [22.61]	.623 [15.82]	1.250-18NEF	127
18	1.250-0.1P-0.2L	1.562 [39.67]	.094 [2.39]	.266 [6.76]	.188 [4.78]	1.578 [40.08]	1.203 [30.56]	1.875 [47.62]	.461 [11.71]		1.015 [25.78]	.663 [16.84]	1.375-18NEF	129
20	1.375-0.1P-0.2L	1.750 [44.45]	.094 [2.39]	.266 [6.76]	.188 [4.78]	1.578 [40.08]	1.203 [30.56]	2.000 [50.80]	.461 [11.71]		1.171 [29.74]	.707 [17.96]	1.500-18NEF	131
22	1.500-0.1P-0.2L	1.875 [47.62]	.094 [2.39]	.266 [6.76]	.188 [4.78]	1.578 [40.08]	1.203 [30.56]	2.125 [53.97]	.461 [11.71]	.535 [13.59]	1.296 [32.92]	.751 [19.08]	1.625-18NEF	133
24	1.750-0.1P-0.2L	2.125 [53.97]	.094 [2.39]	.328 [8.33]	.188 [4.78]	1.641 [41.68]	1.266 [32.16]	2.375 [60.32]	.398 [10.11]	.472 [11.99]	1.421 [36.09]	.840 [21.34]	1.875-16UN	137
28	2.000-0.1P-0.2L	2.375 [60.32]	.094 [2.39]	.328 [8.33]	.219 [5.56]	1.641 [41.68]	1.329 [33.76]	2.625 [66.67]	.335 [8.51]	.409 [10.39]	1.625 [41.27]	.928 [23.57]	2.125-16UN	141
32	2.250-0.1P-0.2L	2.625 [66.67]	.094 [2.39]	.328 [8.33]	.219 [5.56]	1.641 [41.68]	1.329 [33.76]	2.875 [73.02]	.335 [8.51]	1.891 [48.03]	1.017 [25.83]	2.375-16UN	145	
36	2.500-0.1P-0.2L	2.875 [73.02]	.094 [2.39]	.328 [8.33]	.219 [5.56]	1.641 [41.68]	1.329 [33.76]	3.125 [79.37]	.335 [8.51]	.409 [10.39]	2.078 [52.78]	1.104 [28.04]	2.625-16UN	149
40	2.750-0.1P-0.2L	3.125 [79.37]	.094 [2.39]	.328 [8.33]	.219 [5.56]	1.641 [41.68]	1.329 [33.76]	3.406 [86.51]	.335 [8.51]		2.312 [58.72]	1.213 [30.81]	2.875-16UN	234
44	3.000-0.1P-0.2L	3.375 [85.72]	.094 [2.39]	.328 [8.33]	.219 [5.56]	1.641 [41.68]	1.329 [33.76]	3.656 [92.86]	.562 [14.27]		2.562 [65.07]	1.299 [32.99]	3.125-16UN	236

1. DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS.

② FOR SIZE 0 CONTACTS ONLY, INCREASE Z DIMENSION BY .312 [7.92] FOR SHELL SIZES 12 THRU 40 AND BY .062 [1.57] FOR SHELL SIZE 44.

SC6B216

SECTION 8A SWLD SERIES CONNECTOR ACCESSORY QUICK REFERENCE

(FOR COMPLETE DETAILS ON THESE PARTS, SEE **SPACECRAFT CATALOG 401**)

SWLD SERIES CONNECTOR ACCESSORY QUICK REFERENCE

ACCESSORY	PART NUMBER
BACKSHELLS, ENVIRONMENTAL	
STRAIGHT - CABLE SEALING ADAPTER	B002A-AK
	B002B-AK
STRAIGHT - CABLE SEALING GLAND	B049AK03
	B049AK04
	B049AK05
STRAIGHT - FOR ANAMET CONDUIT	B031*AK
STRAIGHT - FOR PG ADAPTER	B033*AK
STRAIGHT - FOR PIPE THREAD (PT) ADAPTERS	B035*AK
STRAIGHT - FOR SEALTITE™ LIQUIDTITE CONDUIT	B037*AK
45° CABLE SEALING GLAND	B002CC-AK
90° CABLE SEALING GLAND	B002D-AK
BACKSHELLS, SHORTING CANS	
	B012*AK
	B013*AK
BACKSHELLS, STRAIN RELIEFS/CABLE CLAMPS	
CABLE CLAMP	MS3057-*B
	MS3057-*C
INDIVIDUAL WIRE SEALING	SCP74191-*
BACKSHELLS, SHRINK BOOT ADAPTERS	
STRAIGHT BOOT ADAPTER	B006A-AK
	B006B-AK
	B049AK59
DUMMY RECEPTACLES	
	DRP02
	SCP18062-*
DUST CAPS	
METAL, FOR PLUG	DCP02
	SCP17350-*
METAL, FOR RECEPTACLE	DCR02
	SCP17349-*
GASKET FOR FLANGE MOUNT RECEPTACLES	
	SCP36675-*
	SCP40450-*
MOUNTING PLATES	
	NOTE 1
RUBBER BUSHINGS	
	MS3420-*A

* Additional alpha-numerics are required to complete part number.
NOTE 1. Contact Sales Department for part numbers and availability.

SWLD-1

SECTION 9A

MIL-DTL-5015

SPECIAL FEATURES

TECHNICAL DATA

CONTACTS & TOOLS

SPECIAL FEATURES

Spacecraft can supply connectors with:

1. Plugs with a self-locking coupling nut, which eliminates the need for safety wire. A low-cost coupling mechanism is available for all series.
2. Our connectors can provide superior EMI/RFI shielding by:
 - A. Providing full accessory teeth at the rear of the connector shell, thus minimizing "leakage".
 - B. To further enhance performance, plugs can be supplied with grounding fingers around the outside of the barrel.
 - C. Receptacles can be supplied with an internal grounding spring.
3. Shells/hardware can be provided in a high impact/strength aluminum as well as carbon steel, 300 series stainless and naval brass.
4. A wide range of finishes are available:
 - A. Anodize - both hard and soft.
 - B. Cadmium to pass 48, 96, 500 or 1000 hours salt spray.
 - C. Electroless nickel.
 - D. Zinc Boron.
 - E. Zinc Cobalt in black or olive drab.
5. Standard insert material is neoprene, but can be provided in fuel resistant Viton or halogen-free neoprene.
6. Various backshell configurations are available for environmental and non-environmental applications together with EMI/RFI protection. See our Catalog 401 for details.

MIL-DTL-5015

TECHNICAL DATA

TABLE I.
CONTACT ARRANGEMENT
SERVICE RATING

MS SERVICE RATING	RECOMMENDED OPERATING VOLTAGE* AT SEA LEVEL		EFFECTIVE CREEPAGE DISTANCE NOM.	MECHANICAL SPACING NOM.
	DC	AC (RMS)		
INST.	250	200	1/16	
A	700	500	1/8	1/16
D	1250	900	3/16	1/8
E	1750	1250	1/4	3/16
B	2450	1750	5/16	1/4
C	4200	3000	1	5/16

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* The values listed in Table I represent operating values which include a generous safety factor. It may be necessary for some applications to exceed the operating voltages listed here. If this is necessary, designers will find Table II useful for determining the degree to which the recommended values of Table I can be exceeded.

ELECTRICAL SERVICE DATA

Test current ratings of contacts and allowable voltage drop under test conditions when assembled as in service are shown below. Maximum total current to be carried per connector is the same as the allowable in wire bundles as specified in MIL-W-5088.

ALTITUDE VOLTAGE DERATING** CHART

MS SERVICE RATING	NOMINAL DISTANCE		STANDARD SEA LEVEL CONDITIONS		PRESSURE ALTITUDE† 50,000 FEET		PRESSURE ALTITUDE† 70,000 FEET	
	AIRSPACE	CREEPAGE	MINIMUM FLASHOVER VOLTAGE AC (RMS)	TEST VOLTAGE AC (RMS)	MINIMUM FLASHOVER VOLTAGE AC (RMS)	TEST VOLTAGE AC (RMS)	MINIMUM FLASHOVER VOLTAGE AC (RMS)	TEST VOLTAGE AC (RMS)
INST.	1/32	1/16	1400	1000	550	400	325	260
A	1/16	1/8	2800	2000	800	600	450	360
D	1/8	3/16	3600	2800	900	675	500	400
E	3/16	1/4	4500	3500	1000	750	550	440
B	1/4	5/16	5700	4500	1100	825	600	480
C	5/16	1	8500	7000	1300	975	700	560

† Not corrected for changes in density due to variations in temperature.

** No attempt has been made to recommend operating voltages. The designer must determine his own operating voltage by the application of a safety factor to the above derating chart to compensate for circuit transients, surges, etc.

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CONTACT RATINGS

CONTACT SIZE	WIRE SIZE	RATED CURRENT	POTENTIAL DROP	MAX CURRENT
20	20	7.5A	83 mV	7.5A
18	18	7.5	83 mV	10A
16 & 16S	16 AWG	13 A	49 mV	22A
12	12 AWG	23 A	42 mV	41A
8	8 AWG	46 A	26 mV	73A
4	4 AWG	80 A	23 mV	135A
0	0 AWG	150 A	21 mV	245A
4/0	4/0	225A	53 mV	350A

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MIL-DTL-5015

SOLDER CONTACTS

SERIES I

SOLDER CONTACT CURRENT RATINGS*

MATING END SIZE	WIRE BARREL SIZE	ALLOWABLE WIRE SIZE	TEST CURRENT** AMPS
15/16S	16	16	13
		18	10
		20	7.5
		22	5
12	12	12	23
		14	17
8	8	8	46
		10	33
4	4	4	80
		6	60
0	0	0	150
		1	125
		2	100

SC55

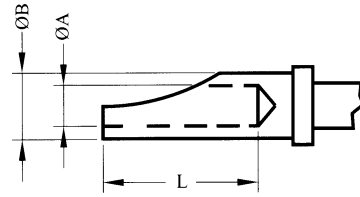


TABLE II. WIRE RANGE ACCOMMODATIONS

SOLDER CUP DIMENSIONS

CONTACT SIZE	A MIN	B	L
16	.069	.096/.116	.250/.313
	[1.75]	[2.43/2.94]	[6.35/7.95]
12	.112	.130/.150	.375/.438
	[2.84]	[3.30/3.81]	[9.52/11.12]
8	.205	.243/.259	.500/.563
	[5.20]	[6.17/6.57]	[12.70/14.30]
4	.328	.370/.397	.625/.688
	[8.33]	[9.39/10.08]	[15.87/17.47]
0	.464	.510/.550	.625/.688
	[11.78]	[12.95/13.97]	[15.87/17.47]

Dimensions in brackets [] are in millimeters.

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CONTACT SIZE	WIRE SIZE	OD OF FINISHED WIRE (INCH)					
		SOLDER CONTACT CONNECTORS		CRIMP CONTACT CONNECTORS			
		MIN	MAX	FRONT RELEASE		REAR RELEASE	
				MIN	MAX	MIN	MAX
16-16	20	.064	.130	0.66	.130	.053	.103
	18	[1.63]	[3.30]	[1.68]	[3.30]	[1.35]	[2.62]
	16						
12-12	14	.114	.170	.097	.170	.085	.158
	12	[2.90]	[4.32]	[2.46]	[4.32]	[2.16]	[4.01]
8-8	10	.164	.255	.132	.255	.132	.255
	8	[4.17]	[6.48]	[3.35]	[6.48]	[3.35]	[6.48]
4-4	6	.272	.370	.237	.370	.237	.370
	4	[6.91]	[9.40]	[6.02]	[9.40]	[6.02]	[9.40]
0-0	2	.415	.550	.360	.550	.360	.550
	0	[10.54]	[13.97]	[9.14]	[13.97]	[9.14]	[13.97]

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* Solder Wells Filled

** Contact ratings as stated are test ratings only. The connector could not withstand full rated current through all contacts continuously. Please note that the electrical data given is not an establishment of electrical safety factors. This is left entirely to the designer's hands as he can best determine which peak voltage, switching surges, transients, etc. can be expected in a particular circuit.

MIL-DTL-5015 SERIES I - SOLDER CONTACTS

SIZE	PIN	PIN FILLED SOLDER CUP (Note 1)	SOCKET (Note 1)	SOCKET FILLED SOLDER CUP (Note 1)	MATERIAL	FINISH	COLOR CODE
16S	P12-5100-310	P12-5100-315	S12-5100-610	S12-5100-615	Note 2	Silver	-
16S	P12-5100-000	-	S12-5100-000	-	Alumel	None	Green
16S	P12-5100-010	-	S12-5100-010	-	Chromel	None	White
16S	P12-5100-020	-	S12-5100-020	-	Constantan	Cadmium	Black
16S	P12-5100-040	-	S12-5100-040	-	Iron	None	Yellow
16	P12-3800-310	P12-3800-315	S12-3800-610	S12-3800-615	Note 2	Silver	-
16	P12-3800-000	-	S12-3800-000	-	Alumel	None	Green
16	P12-3800-010	-	S12-3800-010	-	Chomel	None	White
16	P12-3800-020	-	S12-3800-020	-	Constantan	Cadmium	Black
16	P12-3800-040	-	S12-3800-040	-	Iron	None	Yellow
12	P12-6500-310	P12-6500-315	S12-6500-610	S12-6500-615	Note 2	Silver	-
12	P12-6500-000	-	S12-6500-000	-	Alumel	None	Green
12	P12-6500-010	-	S12-6500-010	-	Chromel	None	White
12	P12-6500-020	-	S12-6500-020	-	Constantan	Cadmium	Black
12	P12-6500-040	-	S12-6500-040	-	Iron	None	Yellow
8	P12-7900-310	P12-7900-315	S12-7900-510	S12-7900-515	Note 2	Silver	-
4	P12-8500-310	P12-8500-315	S12-8500-510	S12-8500-515	Note 2	Silver	-
1/0	P12-9200-310	P12-9200-315	S12-9200-510	S12-9200-515	Note 2	Silver	-

Note 1: Only MS3100 thru MS3108 and MS25183 connectors are supplied with solder filled cups

Note 2: Pins are brass; Sockets are copper.

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MIL-DTL-5015 SERIES I

PIN F80 CRIMP CONTACTS

ORDERING INFORMATION

R12 - 36 15 - 140

SERIES PREFIX ——— R12 MIL-C-5015 crimp F80 pin contact.

CONTACT SIZE ———

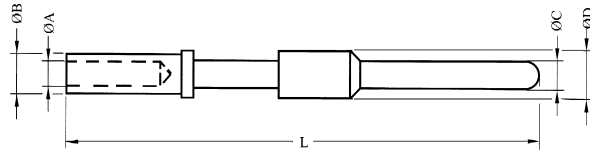
CODE	25	36	49	64	79	85	92	97
SIZE	18	16	16S	12	8	4	1/0	4/0

WIRE RANGE ——— See Table below.

MODIFICATION ——— Consult Sales Department.

MATERIAL/FINISH

- 000** Alumel/none.
- 010** Chromel/none.
- 020** Constantan/none.
- 040** Iron/cadmium.
- 110** Copper/silver.
- 140** Copper/gold.
- 142** Copper/gold 0.00030.



PART NUMBER	SIZE	MATERIAL	FINISH	FOR WIRE SIZE		A	B	C	D	L
				AWG	MM ²					
R12-2500-110	18	Copper	Silver	20-26	0.60-0.15	.052 [1.30]	.076 [1.93]	.055 [1.46]	0.95 [2.40]	1.165 [29.61]
R12-3632-110	16	Copper	Silver	28-32	—	.018 [0.45]	.077 [1.95]	.062 [1.58]	.126 [3.20]	1.250 [31.75]
R12-3608-110	16	Copper	Silver	24-26	0.20-0.15	.034 [0.85]	.061 [1.55]	.062 [1.58]	.126 [3.20]	1.250 [31.75]
R12-3613-110	16	Copper	Silver	20-26	0.60-0.15	.052 [1.30]	.076 [1.93]	.062 [1.58]	.126 [3.20]	1.250 [31.75]
R12-3612-110	16	Copper	Silver	20	0.60	.048 [1.20]	.102 [2.60]	.062 [1.58]	.126 [3.20]	1.250 [31.75]
R12-3615-110	16	Copper	Silver	18	1.0	.060 [1.50]	.102 [2.60]	.062 [1.58]	.126 [3.20]	1.250 [31.75]
R12-3600-110	16	Copper	Silver	16-18	1.5-1.0	.067 [1.70]	.102 [2.60]	.062 [1.58]	.126 [3.20]	1.250 [31.75]
R12-3600-000	16	Alumel	None	16	1.5-1.0	.067 [1.70]	.102 [2.60]	.062 [1.58]	.126 [3.20]	1.250 [31.75]
R12-3600-010	16	Chromel	None	16	1.5-1.0	.067 [1.70]	.102 [2.60]	.062 [1.58]	.126 [3.20]	1.250 [31.75]
R12-3600-020	16	Constantan	None	16	1.5-1.0	.067 [1.70]	.102 [2.60]	.062 [1.58]	.126 [3.20]	1.250 [31.75]
R12-3600-040	16	Iron	Cadmium	16	1.5-1.0	.067 [1.70]	.102 [2.60]	.062 [1.58]	.126 [3.20]	1.250 [31.75]
R12-3620-110	16	Copper	Silver	14	2.0	.078 [2.00]	.115 [2.90]	.062 [1.58]	.126 [3.20]	1.250 [31.75]
R12-3626-110	16	Copper	Silver	12	3.0	.099 [2.50]	.150 [3.80]	.062 [1.58]	.126 [3.20]	1.250 [31.75]
R12-4913-110	16S	Copper	Silver	20-26	0.60-0.15	.052 [1.30]	.076 [1.93]	.062 [1.58]	.126 [3.20]	1.050 [26.65]
R12-4912-110	16S	Copper	Silver	20	0.60	.048 [1.20]	.102 [2.60]	.062 [1.58]	.126 [3.20]	1.050 [26.65]
R12-4915-110	16S	Copper	Silver	18	1.0	.060 [1.50]	.102 [2.60]	.062 [1.58]	.126 [3.20]	1.050 [26.65]
R12-4900-110	16S	Copper	Silver	16-18	1.5	.067 [1.70]	.102 [2.60]	.062 [1.58]	.126 [3.20]	1.050 [26.65]
R12-4900-000	16S	Alumel	None	16	1.5	.067 [1.70]	.102 [2.60]	.062 [1.58]	.126 [3.20]	1.050 [26.65]
R12-4900-010	16S	Chromel	None	16	1.5	.067 [1.70]	.102 [2.60]	.062 [1.58]	.126 [3.20]	1.050 [26.65]
R12-4900-020	16S	Constantan	None	16	1.5	.067 [1.70]	.102 [2.60]	.062 [1.58]	.126 [3.20]	1.050 [26.65]
R12-4900-040	16S	Iron	Cadmium	16	1.5	.067 [1.70]	.102 [2.60]	.062 [1.58]	.126 [3.20]	1.050 [26.65]
R12-4920-110	16S	Copper	Silver	14	2.0	.078 [2.00]	.115 [2.90]	.062 [1.58]	.126 [3.20]	1.050 [26.65]
R12-4926-110	16S	Copper	Silver	12	3.0	.099 [2.50]	.150 [3.80]	.062 [1.58]	.126 [3.20]	1.050 [26.65]

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SERIES I **MIL-DTL-5015**
PIN **F80** CRIMP CONTACTS

PART NUMBER	SIZE	MATERIAL	FINISH	FOR WIRE SIZE		A	B	C	D	L
				AWG	MM ²					
R12-6412-110	12	Copper	Silver	20	0.60	.048 [1.20]	.102 [2.60]	.093 [2.38]	.189 [4.80]	1.480 [37.65]
R12-6415-110	12	Copper	Silver	18	1.0	.060 [1.50]	.134 [3.40]	.093 [2.38]	.189 [4.80]	1.480 [37.65]
R12-6420-110	12	Copper	Silver	14-18	2.0-1.0	.078 [2.00]	1.50 [3.80]	.093 [2.38]	.189 [4.80]	1.480 [37.65]
R12-6422-110	12	Copper	Silver	-	2.5	.087 [2.20]	.150 [3.80]	.093 [2.38]	.189 [4.80]	1.480 [37.65]
R12-6400-110	12	Copper	Silver	12	3.0	.099 [2.50]	.154 [3.90]	.093 [2.38]	.189 [4.80]	1.480 [37.65]
R12-6400-000	12	Alumel	None	12	3.0	.099 [2.50]	.154 [3.90]	.093 [2.38]	.189 [4.80]	1.480 [37.65]
R12-6400-010	12	Chromel	None	12	3.0	.099 [2.50]	.154 [3.90]	.093 [2.38]	.189 [4.80]	1.480 [37.65]
R12-6400-020	12	Constantan	None	12	3.0	.099 [2.50]	.154 [3.90]	.093 [2.38]	.189 [4.80]	1.480 [37.65]
R12-6400-040	12	Iron	Cadmium	12	3.0	.099 [2.50]	.154 [3.90]	.093 [2.38]	.189 [4.80]	1.480 [37.65]
R12-6430-110	12	Copper	Silver	-	4.0	.118 [3.00]	.176 [4.80]	.093 [2.38]	.189 [4.80]	1.480 [37.65]
R12-6431-110	12	Copper	Silver	-	4.0	.130 [3.30]	.166 [4.20]	.093 [2.38]	.189 [4.80]	1.480 [37.65]
R12-6438-110	12	Copper	Silver	10	6.0	.142 [3.60]	.176 [4.80]	.093 [2.38]	.189 [4.80]	1.480 [37.65]
R12-6408-110	12	Copper	Silver	8	9.0	.177 [4.50]	.272 [6.90]	.093 [2.38]	.189 [4.80]	1.480 [37.65]
R12-7915-110	8	Copper	Silver	18	1.0	0.60 [1.50]	.134 [3.40]	.141 [3.59]	.307 [7.80]	1.603 [40.70]
R12-7918-110	8	Copper	Silver	14-18	2.0-1.0	0.71 [1.80]	.150 [3.80]	.141 [3.59]	.307 [7.80]	1.603 [40.70]
R12-7926-110	8	Copper	Silver	12	3.0	.099 [2.50]	.154 [3.90]	.141 [3.59]	.307 [7.80]	1.603 [40.70]
R12-7930-110	8	Copper	Silver	-	4.0	.118 [3.00]	.176 [4.80]	.141 [3.59]	.307 [7.80]	1.603 [40.70]
R12-7900-110	8	Copper	Silver	8	9.0	.177 [4.50]	.272 [6.90]	.141 [3.59]	.307 [7.80]	1.603 [40.70]
R12-7950-110	8	Copper	Silver	-	10.0	.201 [5.00]	.272 [6.90]	.141 [3.59]	.307 [7.80]	1.603 [40.70]
R12-7958-110	8	Copper	Silver	-	13.2	.229 [5.80]	.307 [7.80]	.141 [3.59]	.307 [7.80]	1.603 [40.70]
R12-8522-110	4	Copper	Silver	-	2.5	.087 [2.20]	.150 [3.80]	.225 [5.70]	.433 [11.00]	1.625 [41.25]
R12-8526-110	4	Copper	Silver	12	3.0	.099 [2.50]	.150 [3.80]	.225 [5.70]	.433 [11.00]	1.625 [41.25]
R12-8530-110	4	Copper	Silver	-	4.0	.118 [3.00]	.189 [4.80]	.225 [5.70]	.433 [11.00]	1.625 [41.25]
R12-8550-110	4	Copper	Silver	-	10.0	.201 [5.00]	.275 [7.00]	.225 [5.70]	.433 [11.00]	1.625 [41.25]
R12-8562-110	4	Copper	Silver	-	16.0	.244 [6.20]	.374 [9.50]	.225 [5.70]	.433 [11.00]	1.625 [41.25]
R12-8500-110	4	Copper	Silver	4	22.0	.280 [7.10]	.375 [9.53]	.225 [5.70]	.433 [11.00]	1.625 [41.25]
R12-8525-110	4	Copper	Silver	-	25.0	.307 [7.80]	.374 [9.50]	.225 [5.70]	.433 [11.00]	1.625 [41.25]
R12-8535-110	4	Copper	Silver	-	35.0	.354 [9.00]	.565 [14.35]	.225 [5.70]	.433 [11.00]	1.625 [41.25]
R12-9245-110	1/0	Copper	Silver	8	9.0	.177 [4.55]	.268 [6.80]	.356 [9.05]	.595 [15.11]	1.803 [46.50]
R12-9250-110	1/0	Copper	Silver	-	10.0	.201 [5.00]	.275 [7.00]	.356 [9.05]	.595 [15.11]	1.803 [46.50]
R12-9246-110	1/0	Copper	Silver	4	22.0	.281 [7.15]	.375 [9.53]	.356 [9.05]	.595 [15.11]	1.803 [46.50]
R12-9225-110	1/0	Copper	Silver	-	25.0	.307 [7.80]	.374 [9.50]	.356 [9.05]	.595 [15.11]	1.803 [46.50]
R12-9235-110	1/0	Copper	Silver	-	35.0	.354 [9.00]	.565 [14.35]	.356 [9.05]	.595 [15.11]	1.803 [46.50]
R12-9275-110	1/0	Copper	Silver	-	50.0	.421 [10.70]	.565 [14.35]	.356 [9.05]	.595 [15.11]	1.803 [46.50]
R12-9200-110	1/0	Copper	Silver	1/0	53.0	.453 [11.50]	.565 [14.35]	.356 [9.05]	.595 [15.11]	1.803 [46.50]
R12-9790-110	4/0	Copper	Silver	2	33.5	.354 [9.0]	.565 [14.35]	.500 [12.69]	.787 [20.0]	2.35 [59.7]
R12-97115-110	4/0	Copper	Silver	1/0	53.0	.453 [11.5]	.565 [14.35]	.500 [12.69]	.787 [20.0]	2.33 [59.2]
R12-97135-110	4/0	Copper	Silver	2/0	67.4	.532 [13.5]	.650 [16.5]	.500 [12.69]	.787 [20.0]	2.40 [60.9]
R12-9700-110	4/0	Copper	Silver	4/0	107.0	.650 [16.5]	.787 [20.0]	.500 [12.69]	.787 [20.0]	2.60 [65.9]

SC50B

MIL-DTL-5015 SERIES I SPECIAL FEATURES - TECHNICAL DATA-CONTACTS & TOOLS

MIL-DTL-5015 SERIES I

SOCKET F80 CRIMP CONTACTS

ORDERING INFORMATION

T12 - 36 15 - 540

SERIES PREFIX

T12 MIL-DTL-5015 crimp F80 pin contact.

CONTACT SIZE

CODE	25	36	49	64	79	80	85	86	92	93	97
SIZE	18	16	16S	12	8	8*	4	4*	1/0	1/0*	4/0*

* Indicates closed entry socket.

contsz2

WIRE RANGE

See Table below.

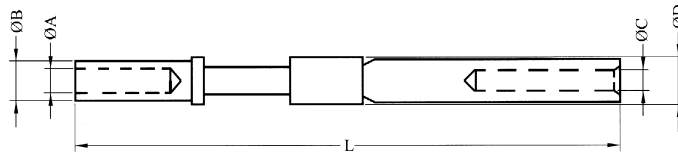
MODIFICATION

Consult Sales Department.

MATERIAL/FINISH

- 000** Alumel/none.
- 010** Chromel/none.
- 020** Constantan/none.
- 040** Iron/cadmium.
- 110** Copper/silver.
- 140** Copper/gold.
- 142** Copper/gold 0.00030.
- 510*** Copper/silver.
- 540*** Copper/gold.
- 542*** Copper/gold 0.00030.

* Applies only to socket contact sizes 8, 4, 1/0 and 4/0.



PART NUMBER	SIZE	MATERIAL	FINISH	FOR WIRE SIZE		A	B	C	D	L
				AWG	MM ²					
T12-2500-110	18	Copper	Silver	20-26	0.60-0.15	.052 [1.30]	.076 [1.93]	.056 [1.46]	.095 [2.40]	1.197 [34.4]
T12-3632-110	16	Copper	Silver	28-32	-	.018 [0.45]	.077 [1.95]	.065 [1.65]	.126 [3.20]	1.440 [36.50]
T12-3608-110	16	Copper	Silver	24-26	0.20-0.15	.034 [0.85]	.061 [1.55]	.065 [1.65]	.126 [3.20]	1.440 [36.50]
T12-3613-110	16	Copper	Silver	20-26	0.60-0.15	.052 [1.30]	.076 [1.93]	.065 [1.65]	.126 [3.20]	1.440 [36.50]
T12-3612-110	16	Copper	Silver	20	0.60	.048 [1.20]	.102 [2.60]	.065 [1.65]	.126 [3.20]	1.440 [36.50]
T12-3615-110	16	Copper	Silver	18-20	1.0	.060 [1.50]	.102 [2.60]	.065 [1.65]	.126 [3.20]	1.440 [36.50]
T12-3600-110	16	Copper	Silver	16-18	1.5-1.0	.067 [1.70]	.102 [2.60]	.065 [1.65]	.126 [3.20]	1.440 [36.50]
T12-3600-000	16	Alumel	None	16	1.5	.067 [1.70]	.102 [2.60]	.065 [1.65]	.126 [3.20]	1.440 [36.50]
T12-3600-010	16	Chromel	None	16	1.5	.067 [1.70]	.102 [2.60]	.065 [1.65]	.126 [3.20]	1.440 [36.50]
T12-3600-020	16	Constantan	None	16	1.5	.067 [1.70]	.102 [2.60]	.065 [1.65]	.126 [3.20]	1.440 [36.50]
T12-3600-040	16	Iron	Cadmium	16	1.5	.067 [1.70]	.102 [2.60]	.065 [1.65]	.126 [3.20]	1.440 [36.50]
T12-3620-110	16	Copper	Silver	14	2.0	.078 [2.00]	.115 [2.90]	.065 [1.65]	.126 [3.20]	1.440 [36.50]
T12-3626-110	16	Copper	Silver	12	3.0	.099 [2.50]	.150 [3.80]	.065 [1.65]	.126 [3.20]	1.440 [36.50]
T12-4913-110	16S	Copper	Silver	20-26	0.60-0.15	.052 [1.30]	.076 [1.93]	.065 [1.65]	.126 [3.20]	1.050 [26.65]
T12-4912-110	16S	Copper	Silver	20	0.60	.048 [1.20]	.102 [2.60]	.065 [1.65]	.126 [3.20]	1.050 [26.65]
T12-4915-110	16S	Copper	Silver	18	1.0	.060 [1.50]	.102 [2.60]	.065 [1.65]	.126 [3.20]	1.050 [26.65]
T12-4900-110	16S	Copper	Silver	16-18	1.5-1.0	.067 [1.70]	.102 [2.60]	.065 [1.65]	.126 [3.20]	1.050 [26.65]
T12-4900-000	16S	Alumel	None	16	1.5	.067 [1.70]	.102 [2.60]	.065 [1.65]	.126 [3.20]	1.050 [26.65]
T12-4900-010	16S	Chromel	None	16	1.5	.067 [1.70]	.102 [2.60]	.065 [1.65]	.126 [3.20]	1.050 [26.65]
T12-4900-020	16S	Constantan	None	16	1.5	.067 [1.70]	.102 [2.60]	.065 [1.65]	.126 [3.20]	1.050 [26.65]
T12-4900-040	16S	Iron	Cadmium	16	1.5	.067 [1.70]	.102 [2.60]	.065 [1.65]	.126 [3.20]	1.050 [26.65]
T12-4920-110	16S	Copper	Silver	14	2.0	.078 [2.00]	.115 [2.90]	.065 [1.65]	.126 [3.20]	1.050 [26.65]
T12-4926-110	16S	Copper	Silver	12	3.0	.099 [2.50]	.150 [3.80]	.065 [1.65]	.126 [3.20]	1.050 [26.65]

SC51ax

SERIES I **MIL-DTL-5015**
SOCKET F80 CRIMP CONTACTS

PART NUMBER	SIZE	MATERIAL	FINISH	FOR WIRE SIZE		A	B	C	D	L
				AWG	MM ²					
T12-6412-110	12	Copper	Silver	20	0.60	.048 [1.20]	.102 [2.60]	.098 [2.48]	.189 [4.80]	1.480 [37.65]
T12-6415-110	12	Copper	Silver	18	1.0	.060 [1.50]	.134 [3.40]	.098 [2.48]	.189 [4.80]	1.480 [37.65]
T12-6420-110	12	Copper	Silver	14-18	2.0-1.0	.078 [2.00]	.150 [3.80]	.098 [2.48]	.189 [4.80]	1.480 [37.65]
T12-6422-110	12	Copper	Silver	-	2.5	.087 [2.20]	.150 [3.80]	.098 [2.48]	.189 [4.80]	1.480 [37.65]
T12-6400-000	12	Alumel	None	12	3.0	.099 [2.50]	.154 [3.90]	.098 [2.48]	.189 [4.80]	1.480 [37.65]
T12-6400-010	12	Chromel	None	12	3.0	.099 [2.50]	.154 [3.90]	.098 [2.48]	.189 [4.80]	1.480 [37.65]
T12-6400-020	12	Constantan	None	12	3.0	.099 [2.50]	.154 [3.90]	.098 [2.48]	.189 [4.80]	1.480 [37.65]
T12-6400-040	12	Iron	Cadmium	12	3.0	.099 [2.50]	.154 [3.90]	.098 [2.48]	.189 [4.80]	1.480 [37.65]
T12-6400-110	12	Copper	Silver	12	3.0	.099 [2.50]	.154 [3.90]	.098 [2.48]	.189 [4.80]	1.480 [37.65]
T12-6430-110	12	Copper	Silver	-	4.0	.118 [3.00]	.176 [4.80]	.098 [2.48]	.189 [4.80]	1.480 [37.65]
T12-6431-110	12	Copper	Silver	-	4.0	.130 [3.30]	.166 [4.20]	.098 [2.48]	.189 [4.80]	1.480 [37.65]
T12-6438-110	12	Copper	Silver	10	6.0	.142 [3.60]	.176 [4.80]	.098 [2.48]	.189 [4.80]	1.480 [37.65]
T12-6408-110	12	Copper	Silver	8	9.0	.177 [4.50]	.272 [6.90]	.098 [2.48]	.189 [4.80]	1.480 [37.65]
T12-7915-510 T12-8015-510*	8	Copper	Silver	18	1.0	.060 [1.50]	.134 [3.40]	.147 [3.73]	.307 [7.80]	1.595 [40.50]
T12-7918-510 T12-8018-510*	8	Copper	Silver	14-18	2.0-1.0	.071 [1.80]	.150 [3.80]	.147 [3.73]	.307 [7.80]	1.595 [40.50]
T12-7926-510 T12-8026-510*	8	Copper	Silver	12	3.0	.099 [2.50]	.154 [3.90]	.147 [3.73]	.307 [7.80]	1.595 [40.50]
T12-7930-510 T12-8030-510*	8	Copper	Silver	-	4.0	.118 [3.00]	.176 [4.80]	.147 [3.73]	.307 [7.80]	1.595 [40.50]
T12-7900-510 T12-8000-510*	8	Copper	Silver	8	9.0	.177 [4.50]	.272 [6.90]	.147 [3.73]	.307 [7.80]	1.595 [40.50]
T12-7950-510 T12-8050-510*	8	Copper	Silver	-	10.0	.201 [5.00]	.272 [6.90]	.147 [3.73]	.307 [7.80]	1.595 [40.50]
T12-7958-510 T12-8058-510*	8	Copper	Silver	6	13.2	.229 [5.80]	.307 [7.80]	.147 [3.73]	.307 [7.80]	1.595 [40.50]
T12-8522-510 T12-8622-510*	4	Copper	Silver	-	2.5	.087 [2.20]	.150 [3.80]	.230 [5.84]	.433 [11.00]	1.625 [41.25]
T12-8526-510 T12-8626-510*	4	Copper	Silver	12	3.0	.099 [2.50]	.150 [3.80]	.230 [5.84]	.433 [11.00]	1.625 [41.25]
T12-8530-510 T12-8630-510*	4	Copper	Silver	-	4.0	.118 [3.00]	.189 [4.80]	.230 [5.84]	.433 [11.00]	1.625 [41.25]
T12-8550-510 T12-8650-510*	4	Copper	Silver	-	10.0	.201 [5.00]	.275 [7.00]	.230 [5.84]	.433 [11.00]	1.625 [41.25]
T12-8562-510 T12-8662-510*	4	Copper	Silver	-	16.0	.244 [6.20]	.374 [9.50]	.230 [5.84]	.433 [11.00]	1.625 [41.25]
T12-8500-510 T12-8600-510*	4	Copper	Silver	4	22.0	.281 [7.15]	.375 [9.50]	.230 [5.84]	.433 [11.00]	1.625 [41.25]
T12-8525-510 T12-8625-510*	4	Copper	Silver	-	25.0	.307 [7.80]	.374 [9.50]	.230 [5.84]	.433 [11.00]	1.625 [41.25]
T12-8535-510 T12-8635-510*	4	Copper	Silver	-	35.0	.354 [9.00]	.565 [14.35]	.230 [5.84]	.433 [11.00]	1.625 [41.25]
T12-9245-510 T12-9345-510*	1/0	Copper	Silver	8	9.0	.177 [4.55]	.268 [6.80]	.365 [9.20]	.595 [15.11]	1.830 [46.50]
T12-9250-510 T12-9350-510*	1/0	Copper	Silver	-	10.0	.201 [5.00]	.275 [7.00]	.365 [9.20]	.595 [15.11]	1.830 [46.50]
T12-9246-510 T12-9346-510*	1/0	Copper	Silver	4	22.0	.281 [7.15]	.375 [9.53]	.365 [9.20]	.595 [15.11]	1.830 [46.50]
T12-9225-510 T12-9325-510*	1/0	Copper	Silver	-	25.0	.307 [7.80]	.374 [9.50]	.365 [9.20]	.595 [15.11]	1.830 [46.50]
T12-9235-510 T12-9335-510*	1/0	Copper	Silver	-	35.0	.354 [9.00]	.565 [14.35]	.365 [9.20]	.595 [15.11]	1.830 [46.50]
T12-9275-510 T12-9375-510*	1/0	Copper	Silver	-	50.0	.421 [10.70]	.565 [14.35]	.365 [9.20]	.595 [15.11]	1.830 [46.50]
T12-9200-510 T12-9300-510*	1/0	Copper	Silver	1/0	53.0	.453 [11.50]	.565 [14.35]	.365 [9.20]	.595 [15.11]	1.830 [46.50]
T12-9790-510	4/0	Copper	Silver	2	33.5	.354 [9.0]	.565 [14.35]	.506 [12.85]	.787 [20.0]	2.29 [58.2]
T12-97115-510	4/0	Copper	Silver	1/0	53.0	.453 [11.5]	.565 [14.35]	.506 [12.85]	.787 [20.0]	2.22 [56.3]
T12-97135-510	4/0	Copper	Silver	2/0	67.4	.532 [13.5]	.650 [16.5]	.506 [12.85]	.787 [20.0]	2.28 [58.0]
T12-9700-510	4/0	Copper	Silver	4/0	107.0	.650 [16.5]	.787 [20.0]	.506 [12.85]	.787 [20.0]	2.49 [63.0]

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MIL-DTL-5015 SERIES I SPECIAL FEATURES - TECHNICAL DATA - CONTACTS & TOOLS

TOOLING

INSERTION, REMOVAL AND CRIMP TOOLS FOR F80 CRIMP CONTACTS MIL-DTL-5015 SERIES I

CONTACT		WIRE SIZE (AWG)	INSERTION TOOL	REMOVAL TOOL KIT	GUIDE PINS	MANUAL CRIMP TOOL FRAME		PICO TOOLS MODEL 300		PICO TOOLS MODEL 400-BHD		PICO TOOLS MODEL 500-D	
						MS3191A	M22520/1-01	DIE PART NO. (Note 2)	LOCATOR PART NO.	DIE PART NO. (Note 2)	LOCATOR PART NO.	DIE PART NO. (Note 2)	LOCATOR PART NO.
P/N	SIZE					LOCATOR	LOCATOR						
R12-2500-★	18 Pin	20-26	T117346	T118249	–	–	–	–	–	414DA-20N	9632	514DA-20N	10627
T12-2500-★	18 Skt	20-26	T117346	T118249	T125000	–	–	–	–	414DA-20N	9641	514DA-20N	10640
R12-3600-★	16 Pin	16-18	T117345	T118250	–	600091†	TH378★	314DA-16	C17P	414DA-16N	9633	514DA-16N	10628
T12-3600-★	16 Skt	16-18	T117345	T118250	T125001	600092M†	TH378★	314DA-16	C17S	414DA-16N	9642	514DA-16N	10641
R12-3608-★	16 Pin	24-26	T117346	T118250	–	–	–	–	–	414DA-22N	9633	–	–
T12-3608-★	16 Skt	24-26	T117346	T118250	T125001	–	–	–	–	414DA-22N	9642	–	–
R12-3612-★	16 Pin	20	T117345	T118250	–	–	–	–	–	414DA-16N	9633	514DA-16N	10628
T12-3612-★	16 Skt	20	T117345	T118250	T125001	–	–	–	–	414DA-16N	9642	514DA-16N	10641
R12-3613-★	16 Pin	20-26	T117346	T118250	–	–	TH378★	314DA-20	C17P	414DA-16N	9633	514DA-16N	10628
T12-3613-★	16 Skt	20-26	T117346	T118250	T125001	–	TH378★	314DA-20	C17S	414DA-16N	9642	514DA-16N	10641
R12-3615-★	16 Pin	18	T117345	T118250	–	–	TH378★	314DA-20	C17P	414DA-16N	9633	514DA-16N	10628
T12-3615-★	16 Skt	18	T117345	T118250	T125001	–	TH378★	314DA-20	C17S	414DA-16N	9642	514DA-16N	10641
R12-3620-★	16 Pin	14	T117345	T118250	–	–	TH378★	314DA-16	C17P	414DA-16N	9633	514DA-16N	10628
T12-3620-★	16 Skt	14	T117345	T118250	T125001	–	TH378★	314DA-16	C17S	414DA-16N	9642	514DA-16N	10641
R12-3626-★	16 Pin	12	T117082	T118250	–	–	TH378★	314DA-12	C17P	414DA-12N	9633	514DA-12N	10628
T12-3626-★	16 Skt	12	T117082	T118250	T125001	–	TH378★	314DA-12	C17S	414DA-12N	9642	514DA-12N	10641
R12-3632-★	16 Pin	28-32	T117345	T118250	–	–	–	–	–	414DA-16N048	9633	514DA-16N048	10628
T12-3632-★	16 Skt	28-32	T117345	T118250	T125001	–	–	–	–	414DA-16N048	9642	514DA-16N048	10641
R12-4900-★	16S Pin	16-18	T117345	T118250	–	600093†	TH379★	314DA-16	C16P	414DA-16N	9634	514DA-16N	10629
T12-4900-★	16S Skt	16-18	T117345	T118250	T125001	600245†	TH379★	314DA-16	C16S	414DA-16N	9634	514DA-16N	10629
R12-4912-★	16S Pin	20	T117345	T118250	–	–	TH379★	314DA-20	C16P	414DA-16N	9634	514DA-16N	10629
T12-4912-★	16S Skt	20	T117345	T118250	T125001	–	TH379★	314DA-20	C16S	414DA-16N	9634	514DA-16N	10629
R12-4913-★	16S Pin	20-26	T117346	T118250	–	–	–	–	–	414DA-20N	9634	514DA-20N	10629
T12-4913-★	16S Skt	20-26	T117346	T118250	T125001	–	–	–	–	414DA-20N	9634	514DA-20N	10629
R12-4915-★	16S Pin	18	T117345	T118250	–	–	–	–	–	414DA-16N	9634	514DA-16N	10629
T12-4915-★	16S Skt	18	T117345	T118250	T125001	–	–	–	–	414DA-16N	9634	514DA-16N	10629
R12-4920-★	16S Pin	14	T117345	T118250	–	–	TH379★	314DA-16	C16P	414DA-16N	9634	514DA-16N	10629
T12-4920-★	16S Skt	14	T117345	T118250	T125001	–	TH379★	314DA-16	C16S	414DA-16N	9634	514DA-16N	10629
R12-4926-★	16S Pin	12	T117082	T118250	–	–	–	–	–	414DA-18N	9634	514DA-18N	10629
T12-4926-★	16S Skt	12	T117082	T118250	T125001	–	–	–	–	414DA-18N	9634	514DA-18N	10629
R12-6400-★	12 Pin	12	T117082	T118250	–	600216†	TH378★	–	–	414DA-12N	9635	514DA-12N	10630
T12-6400-★	12 Skt	12	T117082	T118250	T125002	600216†	TH378★	–	–	414DA-12N	9635	514DA-12N	10630
R12-6408-★	12 Pin	8	T117082	T118250	–	–	–	–	–	414DA-6N155	9635	514DA-6N155	10630
T12-6408-★	12 Skt	8	T117082	T118250	T125002	–	–	–	–	414DA-6N155	9635	514DA-6N155	10630
R12-6412-★	12 Pin	20	T117345	T118250	–	–	–	–	–	414DA-16N	9635	514DA-16N	10630
T12-6412-★	12 Skt	20	T117345	T118250	T125002	–	–	–	–	414DA-16N	9635	514DA-16N	10630
R12-6415-★	12 Pin	18	T117082	T118250	–	600216†	TH378★	–	–	414DA-16N	9635	514DA-16N	10630
T12-6415-★	12 Skt	18	T117082	T118250	T125002	600216†	TH378★	–	–	414DA-16N	9635	514DA-16N	10630
R12-6420-★	12 Pin	14-18	T117082	T118250	–	–	–	–	–	414DA-10N096	9635	514DA-10N096	10630
T12-6420-★	12 Skt	14-18	T117082	T118250	T125002	–	–	–	–	414DA-10N096	9635	514DA-10N096	10630
R12-6422-★	12 Pin	2.5mm ²	T117082	T118250	–	620216†	–	–	–	414DA-8N142	9635	514DA-8N142	10630
T12-6422-★	12 Skt	2.5mm ²	T117082	T118250	T125002	620216†	–	–	–	414DA-8N142	9635	514DA-8N142	10630
R12-6430-★	12 Pin	4.0mm ²	T117082	T118250	–	–	–	–	–	414DA-10N096	9635	514DA-10N096	10630
T12-6430-★	12 Skt	4.0mm ²	T117082	T118250	T125002	7100659†	–	–	–	414DA-10N	9635	514DA-10N	10630
R12-6431-★	12 Pin	4.0mm ²	T117082	M118250	–	7100659†	–	–	–	414DA-10N	9635	514DA-10N	10630
T12-6431-★	12 Skt	4.0mm ²	T117082	M118250	T125002	–	–	–	–	414DA-18N	9635	514DA-18N	10630
R12-6438-★	12 Pin	6.0mm ²	T117082	M118250	–	–	–	–	–	414DA-10N	9635	514DA-10N	10630
T12-6438-★	12 Skt	6.0mm ²	T117082	M118250	T125002	–	–	–	–	414DA-10N	9635	514DA-10N	10630

★ Indicates additional alpha-numerics are required to complete part number.

† Locators provided by Astro Tool.

Note 1. Consult Sales Department

Note 2. Pico Tools Die part numbers ending in letter N are for an 8 indent crimp. For a Hex crimp, change letter N to HEX.

ToolIta

TOOLING

INSERTION, REMOVAL AND CRIMP TOOLS FOR **F80** CRIMP CONTACTS

MIL-DTL-5015 SERIES I

CONTACT		WIRE SIZE (AWG)	INSERTION TOOL	REMOVAL TOOL KIT	GUIDE PINS	MANUAL CRIMP TOOL FRAME		PICO TOOLS MODEL 300		PICO TOOLS MODEL 400B HD		PICO TOOLS MODEL 500D	
						MS3191A	M22520/1-01	DIE PART NO. (Note 2)	LOCATOR PART NO.	DIE PART NO. (Note 2)	LOCATOR PART NO.	DIE PART NO. (Note 2)	LOCATOR PART NO.
P/N	SIZE					LOCATOR	LOCATOR						
R12-7900-*	8 Pin	8	T117344	T118260	Not Required	-	-	-	-	414DA-6N155	9636	514DA-6N155	10631
T12-7900-*	8 Skt	8	T117344	T118260		-	-	-	-	414DA-6N155	9636	514DA-6N155	10631
T12-8000-*	8 Skt	8	T117344	T118260		-	-	-	-	414DA-6N155	9636	514DA-6N155	10631
R12-7915-*	8 Pin	18	T117082	T118260		-	-	-	-	414DA-12N077	9636	514DA-12N077	10631
T12-7915-*	8 Skt	18	T117082	T118260		-	-	-	-	414DA-12N077	9636	514DA-12N077	10631
T12-8015-*	8 Skt	18	T117082	T118260		-	-	-	-	414DA-12N077	9636	514DA-12N077	10631
R12-7918-*	8 Pin	14-18	T117082	T118260		-	-	-	-	414DA-18N	9636	514DA-18N	10631
T12-7918-*	8 Skt	14-18	T117082	T118260		-	-	-	-	414DA-18N	9636	514DA-18N	10631
T12-8018-*	8 Skt	14-18	T117082	T118260		-	-	-	-	414DA-18N	9636	514DA-18N	10631
R12-7926-*	8 Pin	12	T117082	T118260		-	-	-	-	414DA-18N	9636	514DA-18N	10631
T12-7926-*	8 Skt	12	T117082	T118260		-	-	-	-	414DA-18N	9636	514DA-18N	10631
T12-8026-*	8 Skt	12	T117082	T118260		-	-	-	-	414DA-18N	9636	514DA-18N	10631
R12-7930-*	8 Pin	4.0mm ²	T117082	T118260		-	-	-	-	414DA-10N096	9636	514DA-10N096	10631
T12-7930-*	8 Skt	4.0mm ²	T117082	T118260		-	-	-	-	414DA-10N096	9636	514DA-10N096	10631
T12-8030-*	8 Skt	4.0mm ²	T117082	T118260		-	-	-	-	414DA-10N096	9636	514DA-10N096	10631
R12-7950-*	8 Pin	10.0mm ²	T117344	T118260		-	-	-	-	414DA-8N142	9636	514DA-8N142	10631
T12-7950-*	8 Skt	10.0mm ²	T117344	T118260		-	-	-	-	414DA-8N142	9636	514DA-8N142	10631
T12-8050-*	8 Skt	10.0mm ²	T117344	T118260		-	-	-	-	414DA-8N142	9636	514DA-8N142	10631
R12-7958-*	8 Pin	6	Note 1	T118260		-	-	-	-	414DA-6N170	9636	514DA-6N170	10631
T12-7958-*	8 Skt	6	Note 1	T118260		-	-	-	-	414DA-6N170	9636	514DA-6N170	10631
T12-8058-*	8 Skt	6	Note 1	T118260	-	-	-	-	414DA-6N170	9636	514DA-6N170	10631	
R12-8500-*	4 Pin	4	T117347	T118270	Not Required	-	-	-	-	414DA-4N215	9637	514DA-4N215	10632
T12-8500-*	4 Skt	4	T117347	T118270		-	-	-	-	414DA-4N215	9637	514DA-4N215	10632
T12-8600-*	4 Skt	4	T117347	T118270		-	-	-	-	414DA-4N215	9637	514DA-4N215	10632
R12-8522-*	4 Pin	2.5mm ²	T117082	T118270		-	-	-	-	414DA-18N	9637	514DA-18N	10632
T12-8522-*	4 Skt	2.5mm ²	T117082	T118270		-	-	-	-	414DA-18N	9637	514DA-18N	10632
T12-8622-*	4 Skt	2.5mm ²	T117082	T118270		-	-	-	-	414DA-18N	9637	514DA-18N	10632
R12-8525-*	4 Pin	25.0mm ²	T117347	T118270		-	-	-	-	414DA-4N	9637	514DA-4N	10632
T12-8525-*	4 Skt	25.0mm ²	T117347	T118270		-	-	-	-	414DA-4N	9637	514DA-4N	10632
T12-8625-*	4 Skt	25.0mm ²	T117347	T118270		-	-	-	-	414DA-4N	9637	514DA-4N	10632
R12-8526-*	4 Pin	12	T117082	T118270		-	-	-	-	414DA-10N	9637	514DA-10N	10632
T12-8526-*	4 Skt	12	T117082	T118270		-	-	-	-	414DA-10N	9637	514DA-10N	10632
T12-8626-*	4 Skt	12	T117082	T118270		-	-	-	-	414DA-10N	9637	514DA-10N	10632
R12-8530-*	4 Pin	4.0mm ²	T117082	T118270		-	-	-	-	414DA-10N105	9637	514DA-10N105	10632
T12-8530-*	4 Skt	4.0mm ²	T117082	T118270		-	-	-	-	414DA-10N105	9637	514DA-10N105	10632
T12-8630-*	4 Skt	4.0mm ²	T117082	T118270		-	-	-	-	414DA-10N105	9637	514DA-10N105	10632
R12-8535-*	4 Pin	35.0mm ²	T117348	T118270		-	-	-	-	414DA-0N315	9637	514DA-0N315	10632
T12-8535-*	4 Skt	35.0mm ²	T117348	T118270		-	-	-	-	414DA-0N315	9637	514DA-0N315	10632
T12-8635-*	4 Skt	35.0mm ²	T117348	T118270		-	-	-	-	414DA-0N315	9637	514DA-0N315	10632
R12-8550-*	4 Pin	10.0mm ²	T117344	T118270		-	-	-	-	414DA-8N142	9637	514DA-8N142	10632
T12-8550-*	4 Skt	10.0mm ²	T117344	T118270		-	-	-	-	414DA-8N142	9637	514DA-8N142	10632
T12-8650-*	4 Skt	10.0mm ²	T117344	T118270	-	-	-	-	414DA-8N142	9637	514DA-8N142	10632	
R12-8562-*	4 Pin	16.0mm ²	T117347	T118270	-	-	-	-	414DA-4N	9637	514DA-4N	10632	
T12-8562-*	4 Skt	16.0mm ²	T117347	T118270	-	-	-	-	414DA-4N	9637	514DA-4N	10632	
T12-8662-*	4 Skt	16.0mm ²	T117347	T118270	-	-	-	-	414DA-4N	9637	514DA-4N	10632	

Note 1. Consult Sales Department

Note 2. Pico Tools Die part numbers ending in letter N are for an 8 indent crimp. For a Hex crimp, change letter N to HEX

* Indicates additional alpha-numeric are required to complete part number.

† Locators provided by Astro Tool.

Tool2a

MIL-DTL-5015 SERIES I SPECIAL FEATURES - TECHNICAL DATA-CONTACTS & TOOLS

TOOLING

INSERTION, REMOVAL AND CRIMP TOOLS FOR **F80** CRIMP CONTACTS MIL-DTL-5015 SERIES I

CONTACT		WIRE SIZE (AWG)	INSERTION TOOL	REMOVAL TOOL KIT	GUIDE PINS	MANUAL CRIMP TOOL FRAME		PICO TOOLS MODEL 300		PICO TOOLS MODEL 400-BHD		PICO TOOLS MODEL 500-D		
						MS3191A LOCATOR	M22520/1-01 LOCATOR	DIE PART NO. (Note 2)	LOCATOR PART NO.	DIE PART NO. (Note 2)	LOCATOR PART NO.	DIE PART NO. (Note 2)	LOCATOR PART NO.	
P/N	SIZE													
R12-9200-★	1/0 Pin	1/0	T117348	T118280	Not Required	-	-	-	-	414DA-0N	9638	514DA-0N	10633	
T12-9200-★	1/0 Skt	1/0	T117348	T118280		-	-	-	-	414DA-0N	9638	514DA-0N	10633	
T12-9300-★	1/0 Skt	1/0	T117348	T118280		-	-	-	-	414DA-0N	9638	514DA-0N	10633	
R12-9225-★	1/0 Pin	25.0mm ²	T117347	T118280		-	-	-	-	414DA-4N	9638	514DA-4N	10633	
T12-9225-★	1/0 Skt	25.0mm ²	T117347	T118280		-	-	-	-	414DA-4N	9638	514DA-4N	10633	
T12-9325-★	1/0 Skt	25.0mm ²	T117347	T118280		-	-	-	-	414DA-4N	9638	514DA-4N	10633	
R12-9235-★	1/0 Pin	35.0mm ²	T117348	T118280		-	-	-	-	414DA-0N	9638	514DA-0N	10633	
T12-9235-★	1/0 Skt	35.0mm ²	T117348	T118280		-	-	-	-	414DA-0N	9638	514DA-0N	10633	
T12-9335-★	1/0 Skt	35.0mm ²	T117348	T118280		-	-	-	-	414DA-0N	9638	514DA-0N	10633	
R12-9245-★	1/0 Pin	8	T117344	T118280		-	-	-	-	414DA-6N155	9638	514DA-6N155	10633	
T12-9245-★	1/0 Skt	8	T117344	T118280		-	-	-	-	414DA-6N155	9638	514DA-6N155	10633	
T12-9345-★	1/0 Skt	8	T117344	T118280		-	-	-	-	414DA-6N155	9638	514DA-6N155	10633	
R12-9246-★	1/0 Pin	4	Note 1	T118280		-	-	-	-	414DA-4N	9638	514DA-4N	10633	
T12-9246-★	1/0 Skt	4	Note 1	T118280		-	-	-	-	414DA-4N	9638	514DA-4N	10633	
T12-9346-★	1/0 Skt	4	Note 1	T118280		-	-	-	-	414DA-4N	9638	514DA-4N	10633	
R12-9250-★	1/0 Pin	10.0mm ²	T117344	T118280		-	-	-	-	414DA-4N	9638	514DA-4N	10633	
T12-9250-★	1/0 Skt	10.0mm ²	T117344	T118280		-	-	-	-	414DA-4N	9638	514DA-4N	10633	
T12-9350-★	1/0 Skt	10.0mm ²	T117344	T118280		-	-	-	-	414DA-4N	9638	514DA-4N	10633	
R12-9275-★	1/0 Pin	50.0mm ²	T117348	T118280		-	-	-	-	414DA-0N	9638	514DA-0N	10633	
T12-9275-★	1/0 Skt	50.0mm ²	T117348	T118280		-	-	-	-	414DA-0N	9638	514DA-0N	10633	
T12-9375-★	1/0 Skt	50.0mm ²	T117348	T118280	-	-	-	-	414DA-0N	9638	514DA-0N	10633		
R12-9700-★	4/0 Pin	4/0	Note 1	Note 1	Not Required	-	-	-	-	-	-	514DA-N470	10636	
T12-9700-★	4/0 Skt	4/0	Note 1	Note 1		-	-	-	-	-	-	-	514DA-N470	10639
R12-9790-★	4/0 Pin	2	Note 1	Note 1		-	-	-	-	414DA-0N	9639	514DA-0N	10634	
T12-9790-★	4/0 Skt	2	Note 1	Note 1		-	-	-	-	414DA-0N	9640	514DA-0N	10637	
R12-97115-★	4/0 Pin	1/0	Note 1	Note 1		-	-	-	-	414DA-0N	9639	514DA-0N	10634	
T12-97115-★	4/0 Skt	1/0	Note 1	Note 1		-	-	-	-	414DA-0N	9640	514DA-0N	10637	
R12-97135-★	4/0 Pin	2/0	Note 1	Note 1		-	-	-	-	-	-	-	514DA-N345	10635
T12-97135-★	4/0 Skt	2/0	Note 1	Note 1		-	-	-	-	-	-	-	514DA-N345	10638

Note 1. Consult sales department.

Note 2. Pico Tools Die part numbers ending in letter N are for an 8 indent crimp. For Hex crimp, change letter N to HEX.

★ Indicates additional alpha-numeric are required to complete part number.

† Locators provided by Astro Tool.

Tool3a

TOOLING

INSERTION AND REMOVAL TOOLS FOR **F80** CRIMP CONTACTS

MIL-DTL-5015 SERIES I

ALTERNATE INSERTION TOOLS

CONTACT SIZE	SPACECRAFT	ASTRO TOOL	BENDIX	ITT CANNON	COMMITAL	DANIELS	VEAM
18	T117346	–	–	–	M.117346	–	T98143
16	T117345	ATBX1-7345	11-7345	CIT-F80-16	M.117345	DAK168-16	11-7345
12	T117082	ATBX1-7082	11-7082	CIT-F80-12	M.117082	DAK168-12	46736
8	T117344	ATBX1-8220	11-8220	CIT-8	M117344	DAK159	A46151-8T50
4	T117347	ATC1377	11-7365-4*	CIT-4	M.117347	–	A46151-4T50
1/0	T117348	–	11-7365-5*	CIT-0	M.117348	–	A46151-0T50

* Requires 11-7364 Arbor Press

AltIns

ALTERNATE REMOVAL TOOLS

CONTACT SIZE	SPACECRAFT	ASTRO TOOL	BENDIX	ITT CANNON	COMMITAL	DANIELS	VEAM
18	T118249	–	–	–	M.118249	–	11-7576-37
16	T118250	ATBX2-8250	11-8250(Kit)	CET-F80-16	M.118250	DRK59	A43240
12	T118250	ATBX2-8250	11-8250(Kit)	CET-F80-12	M.118250	DRK59	A43240
8	T117260	ATBX2-8250	11-8250(Kit)	CET-8	M.118260	DRK59	A43240-8
4	T118270	ATC2234	P=11-7370-4* S=11-7674-2*	CET-4	M.118270	–	46150-4
1/0	T118280	–	P=11-7370-5* S=11-7674-3*	CET-0	M.118280	–	46150-0

* Requires 11-7364 Arbor Press

AltRem

ALTERNATE GUIDE PINS

CONTACT SIZE	SPACECRAFT	BENDIX	ITT CANNON	COMMITAL	VEAM
18	T125000	–	–	M.125000	27977-20T50
16	T125001	Unknown	226-1017-000	M.125001	27977-16T50
12	T125002	Unknown	226-1018-000	M.125002	27977-16T50
8	T125003	Unknown	Not Required	M.125003	Not Required
4	Not Required	Not Required	Not Required	Not Required	Not Required
1/0	Not Required	Not Required	Not Required	Not Required	Not Required

AltGid

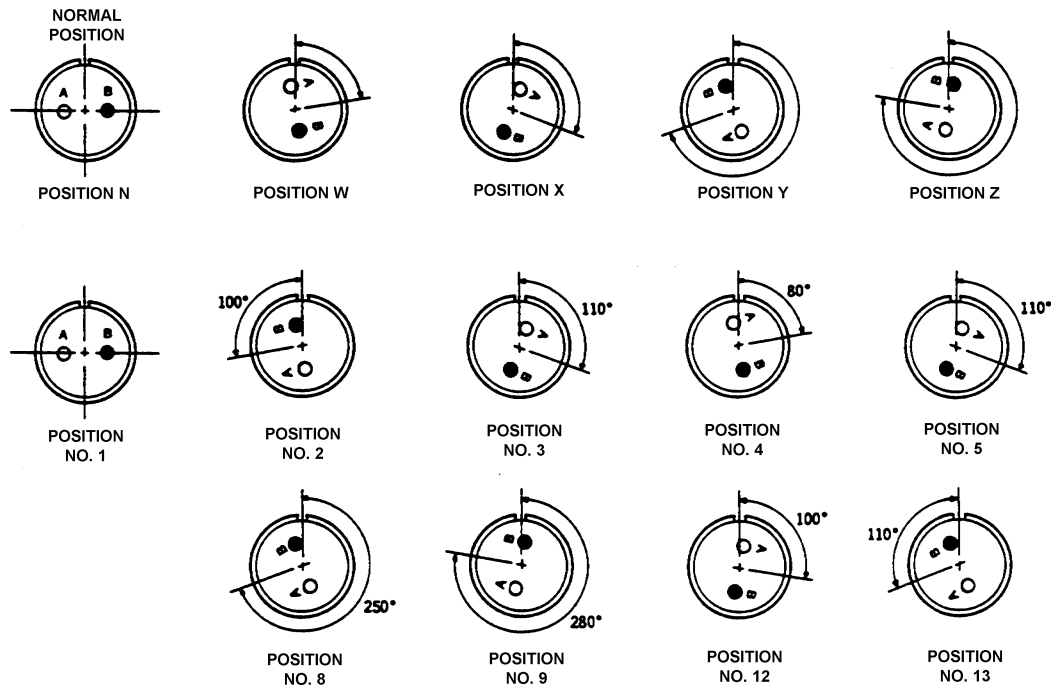
MIL-DTL-5015 SERIES I SPECIAL FEATURES - TECHNICAL DATA-CONTACTS & TOOLS

SECTION 10A

INSERT CONFIGURATIONS

ALTERNATE POSITIONS (POLARIZATION)

The diagrams indicate alternate insert positions. The four positions (W, X, Y, and Z) differ in degree of rotation for various sizes and layouts. The exact angle of rotation of the combinations are listed on pages 10A-18 thru 10A-27.



ENGAGING FACE OF PIN INSERTS SHOWN
 SOCKET INSERTS ARE MIRROR IMAGES

MIL-DTL-5015

INSERT CONFIGURATIONS BY SHELL SIZE

INSERT NUMBER	CONTACTS								ALTERNATE POSITIONS (Degrees)				REMARKS
	TOTAL	SIZE							W	X	Y	Z	
		# 20	# 18	# 16	# 12	# 8	# 4	# 0					
8S-1†	1			1					-	-	-	-	
10S-2†	1			1					-	-	-	-	
10SL-3†★	3			3					-	-	-	-	
10SL-4‡★	2			2					-	-	-	-	
10SL-51	2			2					-	-	-	-	Thermocouple - see page 10A-18
10SL-52	2			2					-	-	-	-	Thermocouple - see page 10A-18
10SL-53	2			2					-	-	-	-	Thermocouple - see page 10A-18
10SL-54	3			3					-	-	-	-	Thermocouple - see page 10A-18
10SL-55	3			3					-	-	-	-	Thermocouple - see page 10A-18
10SL-56	2			2					-	-	-	-	Thermocouple - see page 10A-18
10SL-57	2			2					-	-	-	-	Thermocouple - see page 10A-18
10SL-58	3			3					-	-	-	-	Thermocouple - see page 10A-18
10SL-59	2			2					-	-	-	-	Thermocouple - see page 10A-18
10SL-60	2			2					-	-	-	-	Thermocouple - see page 10A-18
10SL-61	2			2					-	-	-	-	Thermocouple - see page 10A-18
10SL-62	3			3					-	-	-	-	Thermocouple - see page 10A-18
10SL-63	3			3					-	-	-	-	Thermocouple - see page 10A-18
10SL-64	3			3					-	-	-	-	Thermocouple - see page 10A-18
10SL-401	2			2					-	-	-	-	Thermocouple - see page 10A-18
12S-1‡	2			2					-	-	-	-	Position #12 of 12S-3
12S-2‡	2			2					-	-	-	-	Position #13 of 12S-3
12S-3†	2			2					70	145	215	290	
12S-4†	1			1					-	-	-	-	
12-5†	1				1				-	-	-	-	
12S-6	2			2					-	-	-	-	Thermocouple - see page 10A-18
12S-51	2			2					-	-	-	-	Thermocouple - see page 10A-18
12S-54	2			2					-	-	-	-	Thermocouple - see page 10A-18
12S-55	2			2					-	-	-	-	Thermocouple - see page 10A-18
12S-56	2			2					-	-	-	-	Thermocouple - see page 10A-18
12S-57	2			2					-	-	-	-	Thermocouple - see page 10A-18
12S-58	2			2					-	-	-	-	Thermocouple - see page 10A-18
12S-59	2			2					-	-	-	-	Thermocouple - see page 10A-18
12S-60	2			2					-	-	-	-	Thermocouple - see page 10A-18
12S-61	2			2					-	-	-	-	Thermocouple - see page 10A-18
12S-62	2			2					-	-	-	-	Thermocouple - see page 10A-18
12S-64	2			2					-	-	-	-	Thermocouple - see page 10A-18
12S-65	2			2					-	-	-	-	Thermocouple - see page 10A-18
12S-407	2			2					-	-	-	-	Thermocouple - see page 10A-18
12S-409	2			2					-	-	-	-	Thermocouple - see page 10A-18
14S-1‡	3			3					-	-	-	-	Same as 14S-7
14S-2†	4			4					-	120	240	-	
14-3†	1					1			-	-	-	-	
14S-4‡	1			1					-	-	-	-	
14S-5†	5			5					-	110	-	-	
14S-6†	6			6					-	-	-	-	
14S-07	7			7					-	-	-	-	Use 14SA7
14SA7	7			7					-	-	-	-	

† = Military designation per MIL-STD-1651.

‡ = Military designation inactive for new design.

★ = VG95234

SC20

INSERT CONFIGURATIONS BY SHELL SIZE

INSERT NUMBER	CONTACTS							ALTERNATE POSITIONS (Degrees)				REMARKS
	TOTAL	SIZE						W	X	Y	Z	
		# 20	# 18	# 16	# 12	# 8	# 4					
14S-7†	3			3				90	180	270	-	
14S-9‡	2			2				70	145	215	290	
14S-10‡	4			4				-	-	-	-	Position #12 of 14S-2
14S-11‡	4			4				-	-	-	-	Position #13 of 14S-2
14S-12‡	3			3				-	-	-	-	Position #12 of 14S-1
14S-13‡	3			3				-	-	-	-	Position #2 of 14S-1
14S-14‡	4			4				-	-	-	-	Position #12 of 14S-2
14S-51	2			2				-	-	-	-	Thermocouple - see page 10A-18
14S-52	4			4				-	-	-	-	Thermocouple - see page 10A-18
14S-53	2			2				-	-	-	-	Thermocouple - see page 10A-18
14S-54	6			6				-	-	-	-	Thermocouple - see page 10A-18
14S-55	4			4				-	-	-	-	Thermocouple - see page 10A-18
14S-56	4			4				-	-	-	-	Thermocouple - see page 10A-18
14S-57	4			4				-	-	-	-	Thermocouple - see page 10A-18
14S-58	3			3				-	-	-	-	Thermocouple - see page 10A-18
14-59	6			6				-	-	-	-	Thermocouple - see page 10A-18
14S-59	2			2				-	-	-	-	Thermocouple - see page 10A-18
14S-60	2			2				-	-	-	-	Thermocouple - see page 10A-19
14S-61	6			6				-	-	-	-	Thermocouple - see page 10A-19
14S-63	6			6				-	-	-	-	Thermocouple - see page 10A-19
14S-64	4			4				-	-	-	-	Thermocouple - see page 10A-19
14S-65	6			6				-	-	-	-	Thermocouple - see page 10A-19
14S-67	6			6				-	-	-	-	Thermocouple - see page 10A-19
14S-68	4			4				-	-	-	-	Thermocouple - see page 10A-19
14S-69	3			3				-	-	-	-	Thermocouple - see page 10A-19
14S-70	4			4				-	-	-	-	Thermocouple - see page 10A-19
14S-71	4			4				-	-	-	-	Thermocouple - see page 10A-19
14S-72	2			2				-	-	-	-	Thermocouple - see page 10A-19
14S-73	4			4				-	-	-	-	Thermocouple - see page 10A-19
14S-74	4			4				-	-	-	-	Thermocouple - see page 10A-19
14S-75	4			4				-	-	-	-	Thermocouple - see page 10A-19
14S-76	4			4				-	-	-	-	Thermocouple - see page 10A-19
14S-79	5			5				-	-	-	-	Thermocouple - see page 10A-19
14S-81	2			2				-	-	-	-	Thermocouple - see page 10A-19
14S-82	4			4				-	-	-	-	Thermocouple - see page 10A-19
14S-83	6			6				-	-	-	-	Thermocouple - see page 10A-19
14S-84	6			6				-	-	-	-	Thermocouple - see page 10A-19
14S-85	3			3				-	-	-	-	Thermocouple - see page 10A-19
14S-86	6			6				-	-	-	-	Thermocouple - see page 10A-19
14S-87	6			6				-	-	-	-	Thermocouple - see page 10A-19
14S-88	2			2				-	-	-	-	Thermocouple - see page 10A-19
14S-89	3			3				-	-	-	-	Thermocouple - see page 10A-19
14S-90	6			6				-	-	-	-	Thermocouple - see page 10A-19
14S-91	4			4				-	-	-	-	Thermocouple - see page 10A-19
14S-93	6			6				-	-	-	-	Thermocouple - see page 10A-19
14S-414	2			2				-	-	-	-	Thermocouple - see page 10A-19
14S-415	6			6				-	-	-	-	Thermocouple - see page 10A-19

† = Military designation per MIL-STD-1651.
‡ = Military designation inactive for new design.
★ = VG95234

SC21

INSERT CONFIGURATIONS

MIL-DTL-5015

INSERT CONFIGURATIONS BY SHELL SIZE

INSERT NUMBER	CONTACTS							ALTERNATE POSITIONS (Degrees)				REMARKS	
	TOTAL	SIZE						W	X	Y	Z		
		# 20	# 18	# 16	# 12	# 8	# 4						# 0
14S-419	4			4					-	-	-	-	Thermocouple - see page 10A-19
14S-421	6			6					-	-	-	-	Thermocouple - see page 10A-19
14S-422	6			6					-	-	-	-	Thermocouple - see page 10A-19
14S-423	6			6					-	-	-	-	Thermocouple - see page 10A-19
14S-424	6			6					-	-	-	-	Thermocouple - see page 10A-19
14S-433	4			4					-	-	-	-	Thermocouple - see page 10A-19
14S-446	4			4					-	-	-	-	Thermocouple - see page 10A-19
16S-1†*	7			7					80	-	-	280	
16-2†	1				1				-	-	-	-	
16S-3†	1			1					-	-	-	-	
16S-4†*	2			2					35	110	250	325	
16S-5‡	3			3					70	145	215	290	
16S-6‡	3			3					90	180	270	-	
16-7†	3			2		1			80	110	250	280	
16S-8†	5			5					-	170	265	-	
16-9†	4			2	2				35	110	250	325	
16-10†*	3				3				90	180	270	-	
16A10	10			10					35	112	235	315	
16-11†	2				2				35	110	250	325	
16A11*	2				2				-	110	250	-	
16-12†*	1						1		-	-	-	-	
16-13†	2				2				35	110	250	325	Thermocouple - see page 10A-20
16S-14‡	3			3					-	-	-	-	Position #3 of 16S-5
16S-15‡	2			2					-	-	-	-	Position #12 of 16S-4
16S-16‡	2			2					-	-	-	-	Position #13 of 16S-4
16S-50	5			5					-	-	-	-	Thermocouple - see page 10A-20
16S-51	7			7					-	-	-	-	Thermocouple - see page 10A-20
16-52	2				2				-	-	-	-	Thermocouple - see page 10A-20
16S-52	2			2					-	-	-	-	Thermocouple - see page 10A-20
16-53	4			2	2				-	-	-	-	Thermocouple - see page 10A-20
16S-54	7			7					-	-	-	-	Thermocouple - see page 10A-20
16-55	3				3				-	-	-	-	Thermocouple - see page 10A-20
16-56	2				2				-	-	-	-	Thermocouple - see page 10A-20
16S-56	7			7					-	-	-	-	Thermocouple - see page 10A-20
16-57	3				3				-	-	-	-	Thermocouple - see page 10A-20
16S-57	7			7					-	-	-	-	Thermocouple - see page 10A-20
16-58	3				3				-	-	-	-	Thermocouple - see page 10A-20
16S-58	7			7					-	-	-	-	Thermocouple - see page 10A-20
16S-59	7			7					-	-	-	-	Thermocouple - see page 10A-20
16-60	2				2				-	-	-	-	Thermocouple - see page 10A-20
16S-60	7			7					-	-	-	-	Thermocouple - see page 10A-20
16S-61	7			7					-	-	-	-	Thermocouple - see page 10A-20
16-62	2				2				-	-	-	-	Thermocouple - see page 10A-20
16-67	2				2				-	-	-	-	Thermocouple - see page 10A-20
16-68	4			2	2				-	-	-	-	Thermocouple - see page 10A-20
16-412	2				2				-	-	-	-	Thermocouple - see page 10A-20
16-414	2				2				-	-	-	-	Thermocouple - see page 10A-20
16S-417	2			2					-	-	-	-	Thermocouple - see page 10A-20
16S-418	2			2					-	-	-	-	Thermocouple - see page 10A-20
16S-419	2			2					-	-	-	-	Thermocouple - see page 10A-20
16-848	2				2				-	-	-	-	Thermocouple - see page 10A-20

† = Military designation per MIL-STD-1651.
 ‡ = Military designation inactive for new design.
 * = VG95234

SC22

INSERT CONFIGURATIONS BY SHELL SIZE

INSERT NUMBER	CONTACTS							ALTERNATE POSITIONS (Degrees)				REMARKS
	TOTAL	SIZE						W	X	Y	Z	
		# 20	# 18	# 16	# 12	# 8	# 4					
18-1†★	10			10				70	145	215	290	
18-3‡	2				2			35	110	250	325	
18-4†	4			4				35	110	250	325	
18-5†	3			1	2			80	110	250	280	
18-06	6			2	4			-	180	-	-	Use 18A6
18-6†	1						1	-	-	-	-	
18A6	6			2	4			-	180	-	-	
18-7†	1					1		-	-	-	-	
18-8†	8			7	1			70	-	-	290	
18-9†	7			5	2			80	110	270	280	
18-10‡	4				4			-	120	240	-	
18-11†★	5				5			-	170	265	-	
18-12†	6			6				80	-	-	280	
18-13†★	4				3	1		80	110	250	280	
18-14†	2			1			1	80	110	250	280	
18-15†	4				4			-	120	240	-	Thermocouple - see page 10A-20
18-16	1				1			-	-	-	-	High voltage
18-17‡	7			5	2			-	-	-	-	100 Deg Rotation To Right of 18-9
18-18‡	7			5	2			-	-	-	-	250 Deg Rotation To Right of 18-9
18-19‡	10			10				-	120	240	-	
18-20‡	5			5				90	180	270	-	
18-21‡	3				3			70	145	215	290	
18-22‡	3			3				70	145	215	290	
18-23‡	10			10				-	-	-	-	Position #12 of 18-1
18-24‡	10			10				-	-	-	-	Position #13 of 18-1
18-25‡	2				2			-	-	-	-	Position #12 of 18-3
18-26‡	2				2			-	-	-	-	Position #13 of 18-3
18-27‡	3			1	2			-	-	-	-	Position #12 of 18-5
18-28‡	3			1	2			90	180	270	-	Position #13 of 18-5
18-29‡	5			5				90	180	270	-	
18-30‡	5			5				-	-	-	-	Position #3 of 18-20
18-31‡	5			5				-	-	-	-	Position #2 of 18-20
18A31	10			10				-	-	-	-	Position #5 of 18-1
18-41	4			4				-	-	-	-	Thermocouple - see page 10A-20
18-42	4			4				-	-	-	-	Thermocouple - see page 10A-20
18-43	4			4				-	-	-	-	Thermocouple - see page 10A-20
18-44	3			3				-	-	-	-	Thermocouple - see page 10A-20
18-45	5			5				-	-	-	-	Thermocouple - see page 10A-20
18-46	4			4				-	-	-	-	Thermocouple - see page 10A-21
18-51	6			6				-	-	-	-	Thermocouple - see page 10A-21
18-52	5				5			-	-	-	-	Thermocouple - see page 10A-21
18-53	6			6				-	-	-	-	Thermocouple - see page 10A-21
18-54	4				4			-	-	-	-	Thermocouple - see page 10A-21
18-56	10			10				-	-	-	-	Thermocouple - see page 10A-21
18-57	6			6				-	-	-	-	Thermocouple - see page 10A-21
18-59	6			6				-	-	-	-	Thermocouple - see page 10A-21
18-60	5				5			-	-	-	-	Thermocouple - see page 10A-21
18-61	6			6				-	-	-	-	Thermocouple - see page 10A-21

† = Military designation per MIL-STD-1651.
‡ = Military designation inactive for new design.
★ = VG95234

SC23

INSERT CONFIGURATIONS

MIL-DTL-5015

INSERT CONFIGURATIONS BY SHELL SIZE

INSERT NUMBER	CONTACTS							ALTERNATE POSITIONS (Degrees)				REMARKS	
	TOTAL	SIZE						W	X	Y	Z		
		# 20	# 18	# 16	# 12	# 8	# 4						# 0
18-62	6			6					-	-	-	-	Thermocouple - see page 10A-21
18-63	4				4				-	-	-	-	Thermocouple - see page 10A-21
18-65	6			6					-	-	-	-	Thermocouple - see page 10A-21
18-66	10			10					-	-	-	-	Thermocouple - see page 10A-21
18-67	6			6					-	-	-	-	Thermocouple - see page 10A-21
18-68	5				5				-	-	-	-	Thermocouple - see page 10A-21
18-69	10			10					-	-	-	-	Thermocouple - see page 10A-21
18-70	5				5				-	-	-	-	Thermocouple - see page 10A-21
18-72	4				4				-	-	-	-	Thermocouple - see page 10A-21
18-73	7			5	2				-	-	-	-	Thermocouple - see page 10A-21
18-74	6			6					-	-	-	-	Thermocouple - see page 10A-21
18-75	10			10					-	-	-	-	Thermocouple - see page 10A-21
18-76	10			10					-	-	-	-	Thermocouple - see page 10A-21
18-77	10			10					-	-	-	-	Thermocouple - see page 10A-21
18-78	10			10					-	-	-	-	Thermocouple - see page 10A-21
18-79	6			6					-	-	-	-	Thermocouple - see page 10A-21
18-80	4				4				-	-	-	-	Thermocouple - see page 10A-21
18-81	10			10					-	-	-	-	Thermocouple - see page 10A-21
18-82	10			10					-	-	-	-	Thermocouple - see page 10A-21
18-401	4				4				-	-	-	-	Thermocouple - see page 10A-21
18-402	4				4				-	-	-	-	Thermocouple - see page 10A-21
18-403	4				4				-	-	-	-	Thermocouple - see page 10A-22
18-404	2				2				-	-	-	-	Thermocouple - see page 10A-22
18-405	2				2				-	-	-	-	Thermocouple - see page 10A-22
18-411	4				4				-	-	-	-	Thermocouple - see page 10A-22
18-422	2				2				-	-	-	-	Thermocouple - see page 10A-22
18-423	8			7	1				-	-	-	-	Thermocouple - see page 10A-22
18-426	10			10					-	-	-	-	Thermocouple - see page 10A-22
18-434	10			10					-	-	-	-	Thermocouple - see page 10A-22
18-435	10			10					-	-	-	-	Thermocouple - see page 10A-22
18-439	10			10					-	-	-	-	Thermocouple - see page 10A-22
18-443	6			6					-	-	-	-	Thermocouple - see page 10A-22
18-451	6			6					-	-	-	-	Thermocouple - see page 10A-22
18-452	4				4				-	-	-	-	Thermocouple - see page 10A-22
18-2005-31	10			10					-	-	-	-	Position #5 of 18-1
20-1‡	14			14					-	-	-	-	Same as 20-27
20-2†★	1							1	-	-	-	-	
20-3‡	3				3				70	145	215	290	
20-4†	4				4				45	110	250	-	
20-5‡	2			2					35	110	250	325	
20-6‡	3			3					70	145	215	290	
20-7†	8			8					80	110	250	280	
20-8†★	6			4		2			80	110	250	280	
20B8	8			4	4				-	-	-	-	
20-9†	8			7	1				80	110	250	280	
20A9★	9			9					-	110	250	-	
20-10‡	4			4					-	-	-	-	
20-11‡	13			13					-	-	-	-	
20-12‡	2			1			1		80	110	250	280	

† = Military designation per MIL-STD-1651.
‡ = Military designation inactive for new design.
★ = VG95234

SC24

INSERT CONFIGURATIONS BY SHELL SIZE

INSERT NUMBER	CONTACTS								ALTERNATE POSITIONS (Degrees)				REMARKS
	TOTAL	SIZE							W	X	Y	Z	
		# 20	# 18	# 16	# 12	# 8	# 4	# 0					
20-13‡	4			4					-	-	-	-	
20-14†	5				3	2			80	110	250	280	
20-15†★	7				7				80	-	-	280	
20-16†	9			7	2				80	110	250	280	
20A16	13			13					-	-	-	-	Same as 20-11
20-17†	6			1	5				90	180	270	-	
20-18†	9			6	3				35	110	250	325	
20-19‡	3					3			90	180	270	-	
20-20‡	4				3		1		80	110	250	280	
20-21†	9			8	1				35	110	250	325	
20-22†	6			3		3			80	110	250	280	
20-23‡	2					2			35	110	250	325	
20-24‡	4			2		2			35	110	250	325	
20-25‡	13			13					-	-	-	-	Position #12 of 20-11
20-26‡	3				3				-	-	-	-	
20-27†	14			14					35	110	250	325	
20-29†	17			17					80	-	-	280	
20-30‡	13			13					-	-	-	-	Position #13 of 20-11
20-31‡	11			11					-	-	-	-	
20-32‡	8			8					-	-	-	-	Position #2 of 20-7
20-33†	11			11					-	-	-	-	
20A48★	19			19					-	80	280	-	
20-50	17			17					-	-	-	-	Thermocouple - see page 10A-22
20-52	4				4				-	-	-	-	Thermocouple - see page 10A-22
20-56	8			8					-	-	-	-	Thermocouple - see page 10A-22
20-58	10			5	5				-	-	-	-	
20-60	8			8					-	-	-	-	Thermocouple - see page 10A-22
20-61	17			17					-	-	-	-	Thermocouple - see page 10A-22
20-62	7				7				-	-	-	-	Thermocouple - see page 10A-22
20-64	14			14					-	-	-	-	Thermocouple - see page 10A-22
20-65	14			14					-	-	-	-	Thermocouple - see page 10A-22
20-67	9			7	2				-	-	-	-	Thermocouple - see page 10A-22
20-68	8			8					-	-	-	-	Thermocouple - see page 10A-22
20-69	14			14					-	-	-	-	Thermocouple - see page 10A-22
20-70	17			17					-	-	-	-	Thermocouple - see page 10A-22
20-71	17			17					-	-	-	-	Thermocouple - see page 10A-22
20-74	17			17					-	-	-	-	Thermocouple - see page 10A-22
20-76	17			17					-	-	-	-	Thermocouple - see page 10A-22
20-80	14			14					-	-	-	-	Thermocouple - see page 10A-22
20-81	14			14					-	-	-	-	Thermocouple - see page 10A-22
20-82	17			17					-	-	-	-	Thermocouple - see page 10A-22
20-83	14			14					-	-	-	-	Thermocouple - see page 10A-22
20-85	11			11					-	-	-	-	Thermocouple - see page 10A-23
20-87	17			17					-	-	-	-	Thermocouple - see page 10A-23
20-88	14			14					-	-	-	-	Thermocouple - see page 10A-23
20-89	14			14					-	-	-	-	Thermocouple - see page 10A-23
20-90	14			14					-	-	-	-	Thermocouple - see page 10A-23

† = Military designation per MIL-STD-1651.
‡ = Military designation inactive for new design.
★ = VG95234

SC25

INSERT CONFIGURATIONS

MIL-DTL-5015

INSERT CONFIGURATIONS BY SHELL SIZE

INSERT NUMBER	CONTACTS								ALTERNATE POSITIONS (Degrees)				REMARKS
	TOTAL	SIZE							W	X	Y	Z	
		# 20	# 18	# 16	# 12	# 8	# 4	# 0					
20-91	14			14					-	-	-	-	Thermocouple - see page 10A-23
20-92	8			8					-	-	-	-	Thermocouple - see page 10A-23
20-93	14			14					-	-	-	-	Thermocouple - see page 10A-23
20-94	7				7				-	-	-	-	Thermocouple - see page 10A-23
20-99	11			11					-	-	-	-	Thermocouple - see page 10A-23
20-408	8			8					-	-	-	-	Thermocouple - see page 10A-23
20-409	8			8					-	-	-	-	Thermocouple - see page 10A-23
20-410	4				4				-	-	-	-	Thermocouple - see page 10A-23
20-412	14			14					-	-	-	-	Thermocouple - see page 10A-23
20-413	14			14					-	-	-	-	Thermocouple - see page 10A-23
20-629	4			4					-	-	-	-	Same as 20-10
20-641	14			14					-	-	-	-	Thermocouple - see page 10A-23
20-854	2				2				-	-	-	-	
20-2006-37	4				4				-	-	-	-	Position #8 of 20-4
22-1‡	2					2			35	110	250	325	
22-2†	3					3			70	145	215	290	
22-3‡	2			1			1		80	110	250	280	
22-4‡	4				2	2			35	110	250	325	
22-5‡	6			4	2				35	110	250	325	
22-6‡	3			1		2			80	110	250	280	
22-7†	1							1	-	-	-	-	
22-8‡	2				2				35	110	250	325	
22-9†	3				3				70	145	215	290	
22-10†	4			4					35	110	250	325	
22A10	10			10					-	120	240	-	
22-11†	2			2					35	110	250	325	
22-12†★	5			3		2			80	110	250	280	
22-13‡	5			1	4				35	110	250	325	
22-14†★	19			19					80	110	250	280	
22-15†	6			1	5				80	110	250	280	
22-16‡	9			6	3				80	110	250	280	
22-17†	9			8	1				80	110	250	280	
22-18†	8			8					80	110	250	280	
22-19†	14			14					80	110	250	280	
22-20‡	9			9					35	110	250	325	
22-21†	3			2				1	80	110	250	280	
22-22†★	4					4			-	110	250	-	
22B22★	4					4			-	110	250	-	
22-23†	8				8				35	-	250	-	
22-24‡	6			4	2				80	110	250	280	
22-25‡	3			2				1	80	110	250	280	
22-26‡	7			5	2				-	-	-	-	
22-27†★	9			8		1			80	-	250	280	
22-28‡	7				7				80	-	-	280	
22-29‡	7			6			1		80	110	250	280	
22-30‡	19			19					-	-	-	-	Position #12 of 22-14
22-31‡	2			2					-	-	-	-	Position #12 of 22-11
22-32‡	6			4	2				-	-	-	-	Position #2 of 22-5

† = Military designation per MIL-STD-1651.
‡ = Military designation inactive for new design.
★ = VG95234

SC26

INSERT CONFIGURATIONS BY SHELL SIZE

INSERT NUMBER	CONTACTS							ALTERNATE POSITIONS (Degrees)				REMARKS	
	TOTAL	SIZE						W	X	Y	Z		
		# 20	# 18	# 16	# 12	# 8	# 4						# 0
22-33‡	7			7					80	110	250	280	
22-34‡	5			2	3				80	110	250	280	
22-35‡	3					3			-	-	-	-	
22-36†	8				8				90	-	270	-	Thermocouple - see page 10A-23
22A37	37		37						80	112	250	280	
22-57	19			19					-	-	-	-	Thermocouple - see page 10A-23
22-60	19			19					-	-	-	-	Thermocouple - see page 10A-23
22-62	8				8				-	-	-	-	Thermocouple - see page 10A-23
22-63	12			8	4				-	-	-	-	
22-68	14			14					-	-	-	-	Thermocouple - see page 10A-23
22-69	14			14					-	-	-	-	Thermocouple - see page 10A-23
22-70	13			5	8				-	-	-	-	
22-71	19			19					-	-	-	-	Thermocouple - see page 10A-23
22-72	6			4	2				-	-	-	-	Thermocouple - see page 10A-23
22-73	6			4	2				-	-	-	-	Thermocouple - see page 10A-23
22-74	8				8				-	-	-	-	Thermocouple - see page 10A-23
22-75	8				8				-	-	-	-	Thermocouple - see page 10A-23
22-76	21			21					-	-	-	-	Thermocouple - see page 10A-23
22-77	14			14					-	-	-	-	Thermocouple - see page 10A-23
22-78	19			19					-	-	-	-	Thermocouple - see page 10A-23
22-79	4			4					-	-	-	-	Thermocouple - see page 10A-23
22-81	5			2	3				-	-	-	-	Thermocouple - see page 10A-24
22-82	19			19					-	-	-	-	Thermocouple - see page 10A-24
22-82	10			8		2			-	-	-	-	
22-83	8			8					-	-	-	-	Thermocouple - see page 10A-24
22-84	19			19					-	-	-	-	Thermocouple - see page 10A-24
22-89	7				7				-	-	-	-	Thermocouple - see page 10A-24
22-404	8				8				-	-	-	-	Thermocouple - see page 10A-24
22-405	8				8				-	-	-	-	Thermocouple - see page 10A-24
22-406	8				8				-	-	-	-	Thermocouple - see page 10A-24
22-407	8				8				-	-	-	-	Thermocouple - see page 10A-24
22-412	8				8				-	-	-	-	Thermocouple - see page 10A-24
22-414	8				8				-	-	-	-	Thermocouple - see page 10A-24
22-415	8				8				-	-	-	-	Thermocouple - see page 10A-24
22-416	8				8				-	-	-	-	Thermocouple - see page 10A-24
22-422	8			8					-	-	-	-	Thermocouple - see page 10A-24
22-431	14			14					-	-	-	-	Thermocouple - see page 10A-24
24-1†	2			1				1	80	110	250	280	
24A1	1							1	-	-	-	-	
24-2†	7				7				80	-	-	280	
24-3‡	7			5	2				80	110	250	280	
24-4†	4			3				1	80	110	250	280	
24-5‡	16			16					80	110	250	280	
24G5	5					5			-	-	-	-	
24-06	6			2		4			40	-	-	-	Use 24A6
24-6†	8				8				80	110	250	280	
24A6	6				4	2			40	-	-	-	
24-07	7				7				80	-	-	280	Use 24A7

† = Military designation per MIL-STD-1651.
‡ = Military designation inactive for new design.
* = VG95234

SC27

INSERT CONFIGURATIONS

MIL-DTL-5015

INSERT CONFIGURATIONS BY SHELL SIZE

INSERT NUMBER	CONTACTS							ALTERNATE POSITIONS (Degrees)				REMARKS
	TOTAL	SIZE						W	X	Y	Z	
		# 20	# 18	# 16	# 12	# 8	# 4					
24-7†	16			14	2			80	110	250	280	
24A7	7				7			80	-	-	280	
24-9‡	2						2	35	110	250	325	
24-10†★	7					7		80	-	-	280	
24-11†★	9				6	3		35	110	250	325	
24-12†★	5				3		2	80	110	250	280	
24S12	12			10			2					
24-013	13			7	6			-	-	-	-	Use 24A13
24A13	13			7	6			-	-	-	-	
24-14‡	3				2			80	110	250	280	
24-15‡	16			16				-	-	-	-	Position #12 of 24-5
24-16†	7			3	3	1		80	110	250	280	
24-17‡	5			3	2			80	110	250	280	
24-18	4			4				-	-	-	-	Shorting type
24-19‡	12			12				-	-	-	-	
24-20†	11			9	2			80	110	250	280	
24-21†	10			9		1		80	110	250	280	
24-22†	4					4		45	110	250	-	
24-23‡	5			2		3		80	110	250	280	
24-24‡	16			16				-	-	-	-	Position #13 of 24-5
24-25‡	8				8			-	-	-	-	Position #12 of 24-6
24A25	25			25				80	110	250	280	
24-26‡	8				8			-	-	-	-	Position #13 of 24-6
24-27†	7			7				80	-	-	280	
24-28†	24			24				80	110	250	280	
24A28	28			28				65	146	235	-	
24A35★	16				14	2		-	-	-	-	Position #12 of 24-7
24A40	16			14	2			-	-	-	-	
24-56	11			9	2			-	-	-	-	Thermocouple - see page 10A-24
24-57	24			24				-	-	-	-	Thermocouple - see page 10A-24
24-58	13			7	3	3		-	-	-	-	
24-59	14			7	7			-	-	-	-	
24-62	24			24				-	-	-	-	Thermocouple - see page 10A-24
24-63	24			24				-	-	-	-	Thermocouple - see page 10A-24
24-64	16			16				-	-	-	-	Thermocouple - see page 10A-24
24-65	15			4	11			-	-	-	-	
24-66	7				7			-	-	-	-	
24-67	19				19			80	-	-	335	
24-68	24			24				-	-	-	-	Thermocouple - see page 10A-24
24-69	12			12				-	-	-	-	Thermocouple - see page 10A-24
24-70	24			24				-	-	-	-	Thermocouple - see page 10A-24
24-79	5					5		-	-	-	-	
24-80†	23			23				35	145	240	300	
24-81	16			14	2			-	-	-	-	Thermocouple - see page 10A-24
24-88	24			24				-	-	-	-	Thermocouple - see page 10A-24
24-91	16			16				-	-	-	-	Thermocouple - see page 10A-24
24-401	8				8			-	-	-	-	Thermocouple - see page 10A-24
24-402	8				8			-	-	-	-	Thermocouple - see page 10A-24
24-406	8				8			-	-	-	-	Thermocouple - see page 10A-24
24-409	12			12				-	-	-	-	Thermocouple - see page 10A-24
24-412	12			12				-	-	-	-	Thermocouple - see page 10A-25

† = Military designation per MIL-STD-1651.
‡ = Military designation inactive for new design.
★ = VG95234

SC28

INSERT CONFIGURATIONS BY SHELL SIZE

INSERT NUMBER	CONTACTS							ALTERNATE POSITIONS (Degrees)				REMARKS	
	TOTAL	SIZE						W	X	Y	Z		
		# 20	# 18	# 16	# 12	# 8	# 4						# 0
24-414	24			24					-	-	-	-	Thermocouple - see page 10A-25
24-415	24			24					-	-	-	-	Thermocouple - see page 10A-25
24-417	16			16					-	-	-	-	Thermocouple - see page 10A-25
24-418	12			12					-	-	-	-	Thermocouple - see page 10A-25
24-422	24			24					-	-	-	-	Thermocouple - see page 10A-25
24-423	16			16					-	-	-	-	Thermocouple - see page 10A-25
24-430	24			24					-	-	-	-	Thermocouple - see page 10A-25
24-431	24			24					-	-	-	-	Thermocouple - see page 10A-25
24-621	24			24					-	-	-	-	Thermocouple - see page 10A-25
24-622	24			24					-	-	-	-	Thermocouple - see page 10A-25
24-2008-35	16			14	2				-	-	-	-	Position #12 of 24-7 Same as 24A35
28-1†	9				6	3			80	110	250	280	
28B1	1							1	-	-	-	-	
28-2†	14			12	2				35	110	250	325	
28-3†	3					3			70	145	215	290	
28-4†	9			7	2				80	110	250	280	
28-5†	5			2	1		2		35	110	250	325	
28-6‡	3						3		70	145	215	290	
28-7†	2						2		35	110	250	325	
28-8†	12			10	2				80	110	250	280	
28-09	9			5			4		110	250	260	280	Use 28A9
28-9†	12			6	6				80	110	250	280	
28A9	9			5			4		110	250	260	280	
28-10†	7				3	2	2		80	110	250	280	
28-11†★	22			18	4				80	110	250	280	
28-12†	26			26					90	180	270	-	
28-13‡	26			26					-	-	-	-	Position #12 of 28-12
28-14‡	11			11					80	110	250	280	
28-15†	35			35					80	110	250	280	
28-16‡	20			20					80	110	250	280	
28-17†	15			15					80	110	250	280	
28-18†	12			12					70	145	215	290	
28-19†	10			6	4				80	110	250	280	
28-20†★	14			4	10				80	110	250	280	
28-21†★	37			37					80	110	250	280	
28-22†	6			3			3		70	145	215	290	
28A29	29			27		2			-	-	-	-	
28A31	31		25			6			-	-	-	-	
28A35	35			35					80	110	250	280	
28-51	12				12				80	135	195	-	
28-53	22			18	4				-	-	-	-	Thermocouple - see page 10A-25
28A55	29			29					-	-	-	-	
28-58	14			4	10				-	-	-	-	Thermocouple - see page 10A-25
28-59	17			10	7				-	-	-	-	
28-61	37			37					-	-	-	-	Thermocouple - see page 10A-25
28-63	14			4	10				-	-	-	-	Thermocouple - see page 10A-25
28A63★	28			19	9				-	100	260	-	

† = Military designation per MIL-STD-1651.

‡ = Military designation inactive for new design.

★ = VG95234

SC29

INSERT CONFIGURATIONS

MIL-DTL-5015

INSERT CONFIGURATIONS BY SHELL SIZE

INSERT NUMBER	CONTACTS							ALTERNATE POSITIONS (Degrees)				REMARKS	
	TOTAL	SIZE						W	X	Y	Z		
		# 20	# 18	# 16	# 12	# 8	# 4						# 0
28-64	35			35					-	-	-	-	Thermocouple - see page 10A-25
28-65	26			26					-	-	-	-	Thermocouple - see page 10A-25
28-67	20			20					-	-	-	-	Thermocouple - see page 10A-25
28-68	35			35					-	-	-	-	Thermocouple - see page 10A-25
28-69	22			18	4				-	-	-	-	Thermocouple - see page 10A-25
28-70	22			18	4				-	-	-	-	Thermocouple - see page 10A-25
28-72	72	72							-	-	-	-	
28-78	35			35					-	-	-	-	Thermocouple - see page 10A-25
28-79	16			9		7			-	-	-	-	
28-81	37			37					-	-	-	-	Thermocouple - see page 10A-25
28-84	9						9		-	-	-	-	
28-85	22				18	4			-	-	-	-	Thermocouple - see page 10A-25
28-91	12				6	6			-	-	-	-	Thermocouple - see page 10A-25
28-94	26				26				-	-	-	-	Thermocouple - see page 10A-26
28-98	37				37				-	-	-	-	Thermocouple - see page 10A-26
28-99	26				26				-	-	-	-	Thermocouple - see page 10A-26
28-124	16			12		4			-	-	-	-	
28-201	14			4	10				-	-	-	-	Thermocouple - see page 10A-26
28-413	26			26					-	-	-	-	Thermocouple - see page 10A-26
28-414	26			26					-	-	-	-	Thermocouple - see page 10A-26
28-420	20			20					-	-	-	-	Thermocouple - see page 10A-26
28-AC	20			20					-	-	-	-	Thermocouple - see page 10A-26
28-AD	37			37					-	-	-	-	Thermocouple - see page 10A-26
28-AE	37			37					-	-	-	-	Thermocouple - see page 10A-26
28-AF	12			12					-	-	-	-	Thermocouple - see page 10A-26
28-AG	26			26					-	-	-	-	Thermocouple - see page 10A-26
28-AK	37			37					-	-	-	-	Thermocouple - see page 10A-26
32-1†★	5				3			2	80	110	250	280	
32A1	1								-	-	-	-	1 Size 4/0 Contact
32-2†	5			2			3		70	145	215	290	
32-3†★	9			4	2		2	1	80	110	250	280	
32A3	3						3		22	44	75	-	
32-4‡	14			12	2				80	110	250	280	
32-5‡	2							2	35	110	250	325	
32-6†★	23			16	2	3	2		80	110	250	280	
32-7†★	35			28	7				80	125	235	280	
32-8‡	30			24	6				80	125	235	280	
32-9†	14			12			2		80	110	250	280	
32-10‡	7			3		2	2		80	110	250	280	
32-12‡	15			10	5				80	110	250	280	
32-013	13				13				65	130	230	295	Use 32A13
32-13†	23			18	5				80	110	250	280	
32A13	13				13				65	130	230	295	
32-14‡	7				5		2		35	110	250	325	
32-15†	8				6			2	35	110	250	280	

† = Military designation per MIL-STD-1651.
‡ = Military designation inactive for new design.
★ = VG95234

SC30

INSERT CONFIGURATIONS BY SHELL SIZE

INSERT NUMBER	CONTACTS							ALTERNATE POSITIONS (Degrees)				REMARKS	
	TOTAL	SIZE							W	X	Y		Z
		# 20	# 18	# 16	# 12	# 8	# 4	# 0					
32-16‡	23			16	2	3	2		-	-	-	-	Position #12 of 32-6
32-17†	4						4		45	110	250	-	
32-18‡	14			12	2				-	-	-	-	Position #12 of 32-4
32-19‡	5				3			2	-	-	-	-	Position #2 of 32-1
32-20‡★	23			16	2	3	2		-	-	-	-	Position #2 of 32-6
32-22†★	54			54					80	110	250	280	
32B22	22			20				2	35	110	250	325	
32A25	25				25				60	120	-	-	
32A27	27			17	10				30	115	285	335	
32A29	23			16	2	3	2		-	-	-	-	Rotation of 32-6
32A30	30			20	10				-	-	-	-	
32-31	31			31					-	-	-	-	
32A40	40			40					-	-	-	-	
32A48	48			48					80	-	-	-	
32-50	30			24	6				-	-	-	-	Thermocouple - see page 10A-26
32-52	8				6			2	-	-	-	-	90 Deg Rotation of 32-15
32-53	42			37	5				-	-	-	-	
32-55	30			24	6				-	-	-	-	Thermocouple - see page 10A-26
32A55	55			55					80	110	250	280	
32-59	42			40		2			36	108	252	324	
32-63†	5						5		-	-	-	-	
32-64	54			54					-	-	-	-	
32-68	16			12			4		65	135	225	275	
32A69★	61	41		20					-	110	250	-	
32-73†	46			46					36	-	-	-	
32-76	19				19				80	110	250	280	
32-79	5					1	4		-	-	-	315	
32-88	54			54					-	-	-	-	
32-91	54			54					-	-	-	-	Thermocouple - see page 10A-26
32A401	40			40					-	-	-	-	
32-408	30			24	6				-	-	-	-	Thermocouple - see page 10A-26
32-689	9			6			3		-	-	-	-	
32-2010-29	23			16	2	3	2		-	-	-	-	Position #13 of 32-6
32-2010-30	5				3			2	-	-	-	-	Position #12 of 32-1
36-01	1								-	-	-	-	1 Size 4/0 Contact
36A1	1								-	-	-	-	1 Size 4/0 Contact
36-1‡	22			18	4				80	110	250	280	
36-2‡	5				2			3	-	-	-	-	
36-3†	6				3			3	70	145	215	290	
36-4‡	3							3	70	145	215	290	
36-5†★	4							4	-	120	240	-	
36-6†★	6						4	2	35	110	250	325	
36-7†	47			40	7				80	110	250	280	
36-8†	47			46	1				80	110	250	280	
36-9†	31			14	14	2	1		80	125	235	280	
36-10†★	48			48					80	125	235	280	
36-11‡	48			48					-	-	-	-	Position #12 of 36-10
36-12‡	48			48					-	-	-	-	Position #13 of 36-10

† = Military designation per ML-STD-1651.
‡ = Military designation inactive for new design.
★ = VG95234

SC31

INSERT CONFIGURATIONS

MIL-DTL-5015

INSERT CONFIGURATIONS BY SHELL SIZE

INSERT NUMBER	CONTACTS								ALTERNATE POSITIONS (Degrees)				REMARKS
	TOTAL	SIZE							W	X	Y	Z	
		# 20	# 18	# 16	# 12	# 8	# 4	# 0					
36-13‡	17			15	2				80	110	250	280	
36-14‡	16			6	5	5			90	180	270	-	
36-15†	35			35					60	125	245	305	
36-16‡	47			40	7				-	-	-	-	Position #12 of 36-7
36-17‡	47			40	7				-	-	-	-	Position #13 of 36-7
36-18‡	31			14	14	2	1		-	-	-	-	Position #12 of 36-9
36-19‡	17			10	5		1	1	80	110	250	280	
36-20‡	34			30	2	2			-	-	-	-	
36-21‡	31			14	14	2	1		-	-	-	-	Position #2 of 36-9
36-22	22				22				80	110	250	280	
36A22	22				22				-	-	-	-	
36-35	36			32		4			-	-	-	-	
36-51	4						2	2	-	-	-	-	
36A51	6				1		2	3	45	135	225	315	
36-52†	52			52					72	144	216	288	
36-53	47			40	7				-	-	-	-	Thermocouple - see page 10A-26
36-54	39			31		8			-	-	-	-	
36-56	48			48					-	-	-	-	Thermocouple - see page 10A-26
36-57	47			46	1				-	-	-	-	Thermocouple - see page 10A-26
36-58	35			35					-	-	-	-	Thermocouple - see page 10A-26
36-61	35			35					-	-	-	-	Thermocouple - see page 10A-26
36-62	48			48					-	-	-	-	Thermocouple - see page 10A-26
36-66†	56			52	4				110	250	260	280	
36-71	53			50	3				-	-	-	-	
36A72	72		52	16	4				-	-	-	-	
36-74	44			43		1			-	-	-	-	
36B78	14			2		12			-	-	-	-	
36D78	14			4		10			-	-	-	-	
36-82	52			52					-	-	-	-	Thermocouple - see page 10A-26
36-86	48			48					-	-	-	-	Thermocouple - see page 10A-27
36-88	52			52					-	-	-	-	Thermocouple - see page 10A-27
36-101	48			48					-	-	-	-	Thermocouple - see page 10A-27
36-102	48			48					-	-	-	-	Thermocouple - see page 10A-27
36-411	22			18	4				-	-	-	-	Thermocouple - see page 10A-27
36-412	22			18	4				-	-	-	-	Thermocouple - see page 10A-27
36-414	48			48					-	-	-	-	Thermocouple - see page 10A-27
36-416	48			48					-	-	-	-	Thermocouple - see page 10A-27
36-417	48			48					-	-	-	-	Thermocouple - see page 10A-27
40-1†	30			24	6				65	130	235	300	
40-2†	23			23					80	110	250	280	

† = Military designation per MIL-STD-1651.
‡ = Military designation inactive for new design.
★ = VG95234

SC32

INSERT CONFIGURATIONS BY SHELL SIZE

INSERT NUMBER	CONTACTS							ALTERNATE POSITIONS (Degrees)				REMARKS	
	TOTAL	SIZE						W	X	Y	Z		
		# 20	# 18	# 16	# 12	# 8	# 4						# 0
40-3†	23			18	4		1		80	110	250	280	
40A3	5				2			3	70	145	215	290	
40-4†	23			16	2	3	2		80	110	250	280	
40A4	6				2			4	50	120	240	325	
40B4	4							4	45	110	-	-	
40-5†	15				6	4	2	3	80	110	250	280	
40A5	5				1		1	3	33	-	-	270	
40-6†	26			24	1			1	80	110	250	280	
40A6	6				6				-	-	-	-	
40-7†	22			18	2			2	80	110	250	280	
40A8	8			4			4		35	110	250	325	
40-9†	47			24	22	1			65	125	225	310	
40-10†	29			16		9	4		65	125	225	310	
40A10	8			4			4		80	135	195	-	
40-11†	25			18	4	1	1	1	80	110	250	280	
40-12‡	29			22	6			1	-	-	-	-	
40-13‡	23			23					-	-	-	-	Position #12 of 40-2
40-14‡	32			21	10			1	-	-	-	-	
40B19	19					19			35	105	255	325	
40A24	24				16	8			-	-	-	-	
40-26	26				19	7			80	110	250	280	
40A27	27				25		2		45	110	250	315	
40S27	60			60					-	-	-	-	
40-31	31				31				80	110	250	280	
40-35	35				35				70	130	230	290	
40A38	38				38				37	74	285	322	
40-47	47			24	22	1			65	125	225	310	
40A51	31			16		15			-	-	-	-	
40-53	60			60					80	110	250	280	
40-56†	85			85					72	144	216	288	
40A56	85			85					72	144	216	288	
40N56	85			85					72	144	216	288	
40-57	4							4	-	-	-	-	
40-59	85			85					-	-	-	-	Thermocouple - see page 10A-27
40-60	6							6	80	110	250	280	
40-62	60			60					30	130	220	290	
40A62	62			60		2			80	130	230	280	
40-63	61			61					80	-	-	280	
40A65	65			65					70	145	215	285	
40-67	11			1			10		-	-	-	-	
40-68	21					21			-	-	-	-	
40-70	61			61					-	-	-	-	

† = Military designation per MIL-STD-1651.
‡ = Military designation inactive for new design.
* = VG95234

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INSERT CONFIGURATIONS

MIL-DTL-5015

INSERT CONFIGURATIONS BY SHELL SIZE

INSERT NUMBER	CONTACTS							ALTERNATE POSITIONS (Degrees)				REMARKS	
	TOTAL	SIZE						W	X	Y	Z		
		# 20	# 18	# 16	# 12	# 8	# 4						# 0
40-77	60			60					-	-	-	-	Thermocouple - see page 10A-27
40-78	60			60					-	-	-	-	Thermocouple - see page 10A-27
40-80	11			1				10	-	-	-	-	
40-82	62			62					-	-	-	-	
40-87	7							7	-	-	-	-	
40-88	60			60					-	-	-	-	Thermocouple - see page 10A-27
40-150	150		150						-	-	-	-	
40A150	150		150						-	-	-	-	
40-951	51				26	25			-	-	-	-	
40-AA	85			85					-	-	-	-	Thermocouple - see page 10A-27
44-1†	42			36	6				65	125	225	310	
44-2†	31			14	14	2	1		65	125	225	310	
44-3†	31			24	3	2	2		65	125	225	310	
44-4†	41			31	8			2	65	125	225	310	
44-5‡	42			36	6				-	-	-	-	Position #12 of 44-1
44-6‡	42			36	6				-	-	-	-	Position #13 of 44-1
44-52†	104			104					72	135	225	288	
44-57	104			104					-	-	-	-	Thermocouple - see page 10A-27
44-59	104			104					-	-	-	-	Thermocouple - see page 10A-27
44-60	104			104					-	-	-	-	Thermocouple - see page 10A-27
44-62	104			104					-	-	-	-	Thermocouple - see page 10A-27
48-1†	15				6	4	2	3	65	125	225	310	
48-2†	47			46	1				65	125	225	310	
48-3†	25			18	1	3		3	65	125	225	310	
48-4†	68			47	16	3		2	65	125	225	310	
48-5‡	100			90	9	1			65	125	225	310	
48-52	61			56				5	-	-	-	-	
48-53	37				37				-	-	-	-	
48-55	78			68	2	2	6		-	-	-	-	
48-57	56			42		10		4	-	-	-	-	
48-62†	85			85					72	144	216	288	

† = Military designation per MIL-STD-1651.
‡ = Military designation inactive for new design.
★ = VG95234

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THERMOCOUPLE CONTACTS & INSERT ARRANGEMENTS BY SHELL SIZE

A thermocouple is essentially a pair of wires of dissimilar metals connected at both ends. When the two junctions are subjected to different temperatures, an electrical potential is set up between them, almost directly proportional to the temperature difference. A voltage measuring instrument in the circuit can thus measure temperature.

Because thermocouple junctions can withstand higher temperatures than the connectors used in conjunction with them, care must be taken to isolate the connectors. While contacts can withstand temperatures shown in the following table, standard insert materials can withstand only 257°F continuous operation. However, special dielectrics and shell finishes can extend the usable connector range above 500°F.

THERMOCOUPLE LIMITS

COMBINATION	CONDITIONS	TEMPERATURE RANGE
Copper-Constantan	Material has good resistance to corrosion with long life and stable calibration.	Thermocouple Junction: Below 500°F Connector Contacts: 400°F
Iron-Constantan	Material can be used in either oxidizing or reducing atmospheres. It is not recommended for low temperatures and in the presence of moisture due to the rusting of the iron.	Thermocouple Junction: 500°F to 1200°F Connector Contacts: *600°F
Chromel-Alumel	Material is good for high temperature work and is more stable than iron and constantan combinations.	Thermocouple Junction: High Temperature Connector Contacts: *400°F

* These contacts can withstand higher temperatures but have not been tested because the general line of connectors will not withstand such temperatures in continuous operation.

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THERMOCOUPLE MATERIALS

CONTACT DESIGNATION	MATERIAL	MAGNETISM
Alumel (Al)	94% Nickel; 2.5% Manganese; 2% Aluminum; 1% Silicone; ½% Iron	Magnetic
Constantan (Co)	45% to 60% Copper; 40% to 55% Nickel; 0 to 1.4% Manganese; 0.1% Iron	Non-Magnetic
Copper (Cu)	87.5 to 90% Copper; 1.8 to 2.2% Lead; .1% Iron; 5% Nickel; .5% normal impurities and balance zinc	Non-Magnetic
Iron (Ir)	84.4% Iron; 2% Carbon; 3% manganese; 6% Phosphorus; 2% Sulphur; 4% Silicone; 8.1% Copper; 9% Tin (Cadmium plated for corrosion resistance)	Magnetic
Chromel P (Ch)	90% Nickel; 10% Chromium	Non-Magnetic

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CONTACT COLOR CODING

CONTACT MATERIAL	COLOR
Alumel	Green
Chromel	White
Copper	–
Constantan	Yellow
Iron	Black

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For solder thermocouple contacts, see page 9A-3.
For crimp thermocouple contacts, see pages 9A-4 thru 9A-7.

INSERT CONFIGURATIONS

THERMOCOUPLE INSERT CONFIGURATIONS BY SHELL SIZE

THERMOCOUPLE INSERT	TOTAL CONTACTS	CONTACT SIZE		BASIC INSERT	ROTATION (Degrees)	CONTACT MATERIAL
		#16	#12			
10SL-51	2	2		10SL-4	45	A = Ir.; B = Con.
10SL-52	2	2		10SL-4	45	A = Cu.; B = Con.
10SL-53	2	2		10SL-4	45	A = Al.; B = Ch.
10SL-54	3	3		10SL-3	-	A = Ir.; B = Con.; C = Cu.
10SL-55	3	3		10SL-3	-	A = Al.; B = Ch.; C = Cu.
10SL-56	2	2		10SL-4	-	A = Al.; B = Ch.
10SL-57	2	2		10SL-4	-	A = Ch.; B = Con.
10SL-58	3	3		10SL-3	-	A = Ch.; B = Al.; C = Cu.
10SL-59	2	2		10SL-4	-	A = Ch.; B = Al.
10SL-60	2	2		10SL-4	-	A = Ir.; B = Con.
10SL-61	2	2		10SL-4	-	A = Cu.; B = Con.
10SL-62	3	3		10SL-3	-	A = Cu.; B = Al.; C = Ir.
10SL-63	3	3		10SL-3	-	A, C = Con.; B = Ch.
10SL-64	3	3		10SL-3	-	A, C = Ch.; B = Al.
10SL-401	2	2		10SL-4	-	A = Al.; B = Ch.
12S-6	2	2		12S-3	-	A = Con.; B = Ir.
12S-51	2	2		12S-3	315	A = Ch.; B = Al.
12S-54	2	2		12S-3	315	A = Ir.; B = Con.
12S-55	2	2		12S-3	45	A = Cu.; B = Con.
12S-56	2	2		12S-3	-	A = Al.; B = Ch.
12S-57	2	2		12S-3	60	A = Ch.; B = Al.
12S-58	2	2		12S-3	120	A = Ir.; B = Con.
12S-59	2	2		12S-3	-	A = Ir.; B = Con.
12S-60	2	2		12S-3	-	A = Cu.; B = Con.
12S-61	2	2		12S-3	-	A = Ch.; B = Con.
12S-62	2	2		12S-3	-	A = Ch.; B = Al.
12S-64	2	2		12S-3	315	A = Cu.; B = Con.
12S-65	2	2		12S-3	-	A = Con.; B = Ir.
12S-407	2	2		12S-3	-	A = Al.; B = Ch.
12S-409	2	2		12S-3	-	A = Cu.; B = Con.
14S-51	2	2		14S-9	90	A = Al.; B = Ch.
14S-52	4	4		14S-2	45	A, B = Cu.; C = Al.; D = Ch.
14S-53	2	2		14S-9	90	A = Ir.; B = Con.
14S-54	6	6		14S-6	45	A, C, E = Ir.; B, D, F = Con.
14S-55	4	4		14S-2	45	A, C = Ir.; B, D = Con.
14S-56	4	4		14S-2	45	A = Ir.; B = Con.; C, D = Cu.
14S-57	4	4		14S-2	45	A, C = Al.; B, D = Ch.
14S-58	3	3		14S-7	45	A = Al.; B = Ch.; C = Cu.
14S-59	6	6		14S-6	-	A = Al.; B = Ch.; C = Ir.; D = Con.; E, F = Cu
14S-59	2	2		14S-9	90	A = Cu.; B = Con.

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THERMOCOUPLE INSERT CONFIGURATIONS BY SHELL SIZE

THERMOCOUPLE INSERT	TOTAL CONTACTS	CONTACT SIZE		BASIC INSERT	ROTATION (Degrees)	CONTACT MATERIAL
		#16	#12			
14S-60	2	2		14S-9	-	A = Al.; B = Ch.
14S-61	6	6		14S-6	45	A = Al.; B = Ch.; C = Ir.; D = Con.; E, F = Cu.
14S-63	6	6		14S-6	-	A, C = Al.; B, D = Ch.; E = Ir.; F = Con.
14S-64	4	4		14S-2	-	A, C = Con.; B, D = Cu.
14S-65	6	6		14S-6	-	A, C, E = Cu.; B, D, F = Con.
14S-67	6	6		14S-6	-	A = Al.; B = Ch.; Bal = Cu.
14S-68	4	4		14S-2	45	A = Ch.; B = Con.; C, D = Cu.
14S-69	3	3		14S-7	-	A = Con.; B = Ch.; C = Cu.
14S-70	4	4		14S-2	-	A, D = Ch.; B, C = Al.
14S-70	4	4		14S-2	-	D = Al.; A = Ch.; Bal = Std.
14S-71	4	4		14S-2	-	A, B, D = Cu.; C = Con.
14S-72	2	2		14S-9	-	A = Con.; B = Cu.
14S-73	4	4		14S-2	-	A, B = Cu.; C = Al.; D = Ch.
14S-74	4	4		14S-2	-	A, B = Ch.; C, D = Al.
14S-75	4	4		14S-2	-	A, B = Cu.; C, D = Con.
14S-76	4	4		14S-2	-	A, C = Al.; B, D = Ch.
14S-79	5	5		14S-5	-	A, B, E = Cu.; C = Al.; D = Ch.
14S-79	5	5		14S-5	-	1 = Al.; 1 = Ch.; Bal = Std.
14S-81	2	2		14S-9	-	A = Al.; B = Cu.
14S-82	4	4		14S-2	-	A = Ir.; B = Con.; C = Ch.; D = Al.
14S-83	6	6		14S-6	-	A, C = Ir.; B, D = Con.; E, F = Cu.
14S-84	6	6		14S-6	-	A, B = Al.; Bal = Cu.
14S-85	3	3		14S-7	-	A = Ch.; B = Al.; C = Cu.
14S-86	6	6		14S-6	-	A, F = Ir.; B, E = Con.; C, D = Cu.
14S-87	6	6		14S-6	-	A, B, C, D = Ir.; E, F = Con.
14S-88	2	2		14S-9	90	A = Ch.; B = Con.
14S-89	3	3		14S-7	-	A = Ir.; B = Cu.; C = Con.
14S-90	6	6		14S-6	-	A = Al.; C = Ch.; Bal = Cu.
14S-91	4	4		14S-2	-	A = Al.; B = Ch.; Bal = Cu.
14S-93	6	6		14S-6	-	A, B, F = Al.; C, D, E = Ch.
14S-414	2	2		14S-9	-	A = Al.; B = Ch.
14S-415	6	6		14S-6	-	A, C, E = Cu.; B, D, F = Con.
14S-419	4	4		14S-2	-	A, B = Al.; C, D = Ch.
14S-421	6	6		14S-6	-	A, B, C = Ir.; D, E, F = Con.
14S-422	6	6		14S-6	-	A, B, C = Al.; D, E, F = Ch.
14S-423	6	6		14S-6	-	A = Ir.; B, C = Al.; D = Con.; E, F = Ch.
14S-424	6	6		14S-6	-	A = Ch.; B, C = Ir.; D = Al.; E, F = Con.
14S-433	4	4		14S-2	-	A, B = Std.; C = Al.; D = Ch.
14S-446	4	4		14S-2	-	A, B = Std.; C = Al.; D = Ch.

INSERT CONFIGURATIONS

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THERMOCOUPLE INSERT CONFIGURATIONS BY SHELL SIZE

THERMOCOUPLE INSERT	TOTAL CONTACTS	CONTACT SIZE		BASIC INSERT	ROTATION (Degrees)	CONTACT MATERIAL
		#16	#12			
16-13	2		2	16-13	–	A = Ir.; B = Con.
16S-50	5	5		16S-8	–	1 = Con.; 1 = Ir.; 3 = Cu.
16S-51	7	7		16S-1	–	A, F = Al.; B = Ch.; Bal = Std.
16-52	2	2		16-11	90	A = Al.; B = Ch.
16S-52	2	2		16S-4	–	A = Ch.; B = Al.
16-53	4	2	2	16-9	70	A = Al.; C = Ch.; B, D = Cu.
16S-54	7	7		16S-1	–	A = Al.; B = Ch.; Bal = Cu.
16-55	3		3	16-10	45	A = Al.; B = Ch.; C = Cu.
16-56	2		2	16-13	90	A = Con.; B = Cu.
16S-56	7	7		16S-1	–	A = Al.; D = Ch.; Bal = Cu.
16-57	3		3	16-10	–	A = Al.; B = Cu.; C = Ch.
16S-57	7	7		16S-1	–	A, B = Al.; C, D = Ch.; Bal = Cu.
16-58	3		3	16-10	–	A = Con.; B, C = Cu.
16S-58	7	7		16S-1	–	A, G = Al.; Bal = Ch.
16S-59	7	7		16S-1	–	A, C = Ir.; B, D = Con.; Bal = Cu.
16-60	2		2	16-13	–	A = Al.; B = Ch.
16S-60	7	7		16S-1	–	A = Ir.; B = Con.; Bal = Cu.
16S-61	7	7		16S-1	–	G = Al.; Bal = Ch.
16-62	2		2	16-11	–	A = Con.; B = Cu.
16-67	2		2	16-11	–	A = Al.; B = Ch.
16-68	4	2	2	16-9	–	A, B, C = Ch.; D = Al.
16-412	2		2	16-13	–	A = Al, B = Ch. Al coded green. Ch coded white.
16-414	2		2	16-13	–	A = Cu.; B = Con.
16S-417	2	2		16S-4	–	A = Al.; B = Ch.
16S-418	2	2		16S-4	–	A = Ir.; B = Con.
16S-419	2	2		16S-4	–	A = Cu.; B = Con.
16-848	2		2	16-13	–	A = Al.; B = Ch.
18-15	4		4	18-15	–	A, C = Ir.; B, D = Con.
18-41	4	4		18-4	–	A, C = Ir.; B, D = Con.
18-42	4	4		18-4	–	A, C = Al.; B, D = Ch.
18-43	4	4		18-4	–	A, C = Ch.; B, D = Con.
18-44	3	3		18-22	–	1 = Al.; 1 = Ch.; 1 = Std.
18-45	5	5		18-20	–	A = Ir.; B = Con.; Bal = Std.

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THERMOCOUPLE INSERT CONFIGURATIONS BY SHELL SIZE

THERMOCOUPLE INSERT	TOTAL CONTACTS	CONTACT SIZE		BASIC INSERT	ROTATION (Degrees)	CONTACT MATERIAL
		#16	#12			
18-46	4	4		18-4	-	1 = Ch.; 1 = Al.; 2 = Std.
18-51	6	6		18-12	-	A = Ir.; B, E = Con.; D = Cu.; C, F = Dummy.
18-51	6	6		18-12	-	A = Ir.; B, E = Con.; D = Cu.; C, F = Std.
18-52	5		5	18-11	-	A = Ir.; B = Con.; C = Ch.; D = Al.; E = Dummy.
18-52	5		5	18-11	-	A = Ir.; B = Con.; D = Al.; E = Std.
18-53	6	6		18-12	-	A, D = Ir.; B, E = Con.; C, F = Dummy
18-53	6	6		18-12	-	A, D = Ir.; E = Con.; C, F = Std.
18-54	4		4	18-15	-	A, C = Al.; B, D = Ch.
18-56	10	10		18-1	-	A, C, E, G, I = Ir.; B, D, F, H, J = Con.
18-57	6	6		18-12	-	A, C, E = Al.; B, D, F = Ch.
18-59	6	6		18-12	-	A, C = Ir.; B, E, F = Con.; D = Cu.
18-60	5		5	18-11	45	A, D = Al.; B, C = Ch.; E = Cu.
18-61	6	6		18-12	-	A, C = Ir.; B, D = Con.; E = Ch.; F = Al.
18-62	6	6		18-12	-	A, B, C = Ir.; D, E, F = Con.
18-63	4		4	18-15	-	A, C = Con.; B, D = Cu.
18-65	6	6		18-12	-	A = Ir.; B = Con.; Bal = Cu.
18-66	10	10		18-1	-	A, C, E, G, I = Cu.; B, D, F, H, J = Con.
18-67	6	6		18-12	-	A, C, E = Cu.; B, D, F = Con.
18-68	5		5	18-11	-	A, D = Al.; B, C = Ch.; E = Cu.
18-69	10	10		18-1	-	A = Al.; B = Ch.; Bal = Cu.
18-70	5		5	18-11	-	A = Ir.; B = Con.; C = Ch.; D = Al.;
18-72	4		4	18-15	-	2 = Al.; 2 = Ch.; 2 = Std.
18-73	7	5	2	18-9	-	D = Con.; Bal = Cu.
18-74	6	6		18-12	-	A = Al.; D = Ch.; Bal = Cu.
18-75	10			18-1	-	A = Ch.; B = Al.; D = Ir.; E = Cu.; C, F = Con.
18-76	10			18-1	-	2 = Al.; 2 = Ch.; Bal = Std.
18-77	10			18-1	-	A, C, E, G, I = Al.; B, D, F, H, J = Ch.
18-78	10			18-1	-	A, C, E, G = Al.; B, D, F, H = Ch.; Bal = Cu.
18-79	6	6		18-12	-	A = Al.; B = Ch.; D, F, H, J = Con. Bal = Cu.
18-80	4		4	18-15	-	A, F = Ir.; B, E = Con.; C, D = Cu.
18-81	10	10		18-1	-	A, C = Cu.; B, D = Con. E, G = Con.; Bal = Cu.
18-82	10	10		18-1	-	E, G = Con.; F, H = Ir.; Bal = Cu.
18-401	4		4	18-10	-	A, B = Al.; C, D = Ch.
18-402	4		4	18-10	-	A, B = Ir.; C, D = Con.

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INSERT CONFIGURATIONS

MIL-DTL-5015 SERIES I

THERMOCOUPLE INSERT CONFIGURATIONS BY SHELL SIZE

THERMOCOUPLE INSERT	TOTAL CONTACTS	CONTACT SIZE		BASIC INSERT	ROTATION (Degrees)	CONTACT MATERIAL
		#16	#12			
18-403	4		4	18-15	–	A, C = Al.; B, D = Ch.
18-404	2		2	18-3	–	A = Con.; B = Ir.
18-405	2		2	18-3	–	A = Al.; B = Ch.
18-411	4		4	18-10	–	A = Con.; B, C, D = Cu.
18-422	2		2	18-3	–	A = Cu.; B = Con.
18-423	8	7	1	18-8	–	A, B, C, H = Ch.; D, E, F, G = Al.
18-426	10	10		18-1	–	A, B, C, D, J = Ir.; E, F, G, H, I = Con.
18-434	10	10		18-1	–	All Alumel
18-435	10	10		18-1	–	All Chromel
18-439	10	10		18-1	–	A, B, G, H, I = Al.; C, D, E, F, J = Ch.
18-443	6	6		18-12	–	A, C, E = Ir.; B, D, F = Con.
18-451	6	6		18-12	–	A, C, E = Cu.; B, D, F = Con.
18-452	4		4	18-15	–	A = Con.; B = Cu.; C, D = Std.
20-50	17	17		20-29	–	7 = Al.; 7 = Ch.; 3 = Std.
20-52	4		4	20-4	315	A = Ir.; B = Con.; C = Ch.; D = Al.
20-56	8	8		20-7	45	A, B, G, H = Ir.; C, D, E, F = Con.
20-60	8	8		20-7	45	D = Ch.; E = Al.; Bal = Cu.
20-61	17	17		20-29	45	A, B, M = Cu.; Bal = Con.
20-62	7		7	20-15	80	A, C, E = Al.; B, D, F = Ch.; G = Cu.
20-64	14	14		20-27	–	A = Al.; C = Ch.; Bal = Cu.
20-65	14	14		20-27	–	A, B, C, D, E, F, G = Ir.; H, I, K, L, M, N = Con.
20-67	9	7	2	20-16	–	H = Al.; I = Ch.; Bal = Cu.
20-68	8	8		20-7	–	A, B, G, H = Con.; C, D, E, F = Cu.
20-69	14	14		20-27	–	A, B, C, D, E, F, G = Cu.; H, I, J, K, L, M, N = Con.
20-70	17	17		20-29	–	A, C, E, G, J, L, N, R, T = Ir.; B, D, F, H, K, M, P, S = Con.
20-71	17	17		20-29	–	S = Al.; R = Ch.; Bal = Cu.
20-74	17	17		20-29	–	A, C, E, G, J, L, N, R = Ir.; B, D, F, H, K, M, P, S = Con.; T = Cu.
20-76	17	17		20-29	–	8 = Ch.; 8 = Al.; 1 = Cu.
20-80	14	14		20-27	–	A, C, E, G, I, K, M = Cu.; B, D, F, H, J, L, N = Con.
20-81	14	14		20-27	–	A, C, E, G, I, K, M = Ch.; B, D, F, H, J, L, N = Al.
20-82	17	17		20-29	–	A, C, E, G, J, L, N, R = Al.; B, D, F, H, K, M, P, S = Ch.; T = Cu.
20-83	14	14		20-27	–	A, B = Ch.; C, D = Al.; Bal = Std.

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THERMOCOUPLE INSERT CONFIGURATIONS BY SHELL SIZE

THERMOCOUPLE INSERT	TOTAL CONTACTS	CONTACT SIZE		BASIC INSERT	ROTATION (Degrees)	CONTACT MATERIAL
		#16	#12			
20-85	11	11		20-33	–	A, L = Al.; Bal = Ch.
20-87	17	17		20-29	–	A, C, E, G, J, L, N, R = Con.; Bal = Cu.
20-88	14	14		20-27	–	A, C, E = Al.; B, D, F = Ch.; G, H, K, N = Con.; Bal = Cu.
20-89	14	14		20-27	–	B, D, F, H, J, L = Al.; A, C, E, G, I, K = Ch.; M, N = Cu.
20-90	14	14		20-27	–	C, G, I = Ch.; K, L, M = Al.; Bal = Cu.
20-91	14	14		20-27	–	I = Ch.; K = Al.; Bal = Cu.
20-92	8	8		20-7	–	A = Al.; H = Cu.; Bal = Ch.
20-93	14	14		20-27	–	A = Ch.; B = Al.; Bal = Cu.
20-94	7		7	20-15	–	A, C, E = Al.; B, D, F = Ch.; G = Cu.
20-99	11	11		20-33	–	A = Al.; Bal = Ch.
20-408	8	8		20-7	–	A, C, E, G = Ch.; B, D, F, H = Al.
20-409	8	8		20-7	–	A, C, E, G = Cu.; B, D, F, H = Con.
20-410	4		4	20-4	–	A, C = Cu.; B, D = Con.
20-412	14	14		20-27	–	A, B, C, D, E, F, G = Al. H, I, J, K, L, M, N = Ch.
20-413	14	14		20-27	–	A, B, C, D, E, F, G = Ir.; H, I, J, K, L, M, N = Con.
20-641	14	14		20-27	–	A, B, C, D, E, F, G = Al.; H, I, J, K, L, M, N = Ch.; 7 = Al.; 7 = Ch.
22-36	8		8	22-36	–	B, D, F, H = Con.; A, C, E, G = Ir.
22-57	19	19		22-14	45	A, C, E, G, J, L, N, R = Ir.; B, D, F, H, K, M, S, P, = Con.; T, U, V = Cu.
22-60	19	19		22-14	45	U = Al.; N = Ch.; Bal = Cu.
22-62	8		8	22-23	300	A, B, F, G = Al.; C, D, E, H = Ch.
22-68	14	14		22-19	45	A, C, E, G, J, L, M = Ir.; B, D, F, H, K, P, N = Con.
22-69	14	14		22-19	45	A, C, E, G, J, L, M = Cu.; B, D, F, H, K, P, N = Con.
22-71	19	19		22-14	–	V = Al.; U = Ch.; Bal = Cu.
22-72	6	4	2	22-5	–	B = Al.; E = Ch.; Bal = Cu.
22-73	6	4	2	22-5	–	E = Al.; B = Ch.; Bal = Cu.
22-74	8		8	22-23	–	A, C, E, G = Ir.; B, D, F, H = Con.
22-75	8		8	22-23	–	A = Al.; B, D, G, H = Cu.; C = Ch.; E = Ir.; F = Con.
22-76	21		21		–	W = Con.; Bal = Cu.
22-77	14	14		22-19	–	B, D, F, H, J, K, M, P = Cu.; A, E, L = Ir.; C, G, N = Con.
22-78	19	19		22-14	–	A, C, E, G, H, K, M, P, R, T = Con.; Bal = Cu.
22-79	4	4		22-10	–	A, C = Con.; B, D = Cu.

INSERT CONFIGURATIONS

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MIL-DTL-5015 SERIES I

THERMOCOUPLE INSERT CONFIGURATIONS BY SHELL SIZE

THERMOCOUPLE INSERT	TOTAL CONTACTS	CONTACT SIZE		BASIC INSERT	ROTATION (Degrees)	CONTACT MATERIAL
		#16	#12			
22-81	5	2	3	22-34	–	E = Ir.; D = Con.; Bal = Std.
22-82	19	19		22-14	–	A, C, E, G, J, L, N, R, T = Ir.; B, D, F, H, K, M, P, S, U = Con.; V = Cu.
22-83	8	8		22-18	–	A, C, E, G = Al.; B, D, F, H = Ch.
22-84	19	19		22-14	–	A, C, S = Ch.; B, D, T = Al.; Bal = Cu.
22-89	7		7	22-28	–	A, C, E = Ir.; B, D, F = Con.; G = Cu.
22-404	8		8	22-23	–	A, B, F, G = Ir.; C, D, E, H = Con.
22-405	8		8	22-23	–	A, B, F, G = Cu.; C, D, E, H = Con.
22-406	8		8	22-23	–	A, B, F, G = Al.; C, D, E, H = Ch.
22-407	8		8	22-23	–	A, B, C = Ir.; D, E, F = Con.; G = Ch.; H = Al.
22-412	8		8	22-36	–	A, C, E, G = Al.; B, D, F, H = Ch.
22-414	8		8	22-23	–	All Alumel
22-415	8		8	22-23	–	All Chromel
22-416	8		8	22-36	–	A, C, E, G = Cu.; B, D, F, H = Con.
22-422	8	8		22-18	–	A, B, C, D = Al.; E, F, G, H = Ch.
22-431	14	14		22-19	–	A, C, E, J, P, M = Ch.; B, D, F, H, L, N = Al.
24-56	11	9	2	24-20	45	E = Al.; F = Ch.; Bal = Cu.
24-57	24	24		24-28	45	A, C, J, V, Y, W, K, E, H, U, S, M = Ch.; Bal = Al.
24-62	24	24		24-28	–	A, C, E, G = Ir.; B, D, F, H = Con.; R, T, = Ch.; S, U = Al.; Bal = Cu.
24-63	24	24		24-28	–	A, C, E, G, J, L, K, N, S, U, W, Y = Cu.; B, D, F, H, Q, R, M, P, T, V, X, Z = Con.
24-64	16	16		24-5	–	A, B, C, D, E, F, G, H = Ir.; J, K, L, M, N, P, R, S = Con.
24-68	24	24		24-28	–	D = Con.; Bal = Cu.
24-69	12	12		24-19	–	5 = Con.; 7 = Std.
24-70	24	24		24-28	–	8 = Ch.; 8 = Al.; 8 = Ph. Bz.
24-81	16	14	2	24-7	–	A, C, E, G, I, K, M, N, P = Cu.; B, D, F, H, J, L, O = Con.
24-88	24	24		24-28	–	A, B, C, D, E, F, G, H, J, K, L, M = Con.; Bal = Ir.
24-91	16	16		24-5	–	A, B, C, D, E, F, G, H = Al.; J, K, L, M, N, P, R, S = Ch.
24-401	8		8	24-6	–	A, B, F, G = Ir.; C, D, E, H = Con.
24-402	8		8	24-6	–	A, B, F, G = Al.; C, D, E, H = Ch.
24-406	8		8	24-6	–	A, B, F, G = Cu.; C, D, E, H = Con.
24-409	12	12		24-19	–	A, B, C, D, E, F = Ir.; H, J, K, L, M, N = Con.

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THERMOCOUPLE INSERT CONFIGURATIONS BY SHELL SIZE

THERMOCOUPLE INSERT	TOTAL CONTACTS	CONTACT SIZE		BASIC INSERT	ROTATION (Degrees)	CONTACT MATERIAL
		#16	#12			
24-412	12	12		24-19	–	A, B, C, D, E, F = Cu.; H, J, K, L, M, N = Con.
24-414	24	24		24-28	–	A, B, C, D, E, F, G, H, J, K, L, M = Al.; N, P, Q, R, S, T, U, V, W, X, Y, Z = Ch.
24-415	24	24		24-28	–	A, B, C, D, E, F, G, H, J, K, L, M = Con.; N, P, Q, R, S, T, U, V, W, X, Y, Z = Ir.
24-417	16	16		24-5	–	A, B, C, D, E, F, G, H = Al.; J, K, L, M, N, P, R, S = Ch.
24-418	12	12		24-19	–	A, B, C, D, E, F = Al.; H, J, K, L, M, N = Ch.
24-422	24	24		24-28	–	A, C, E, G, J, L, N, Q, S, V, W, Y = Cu.; B, D, F, H, K, M, R, T, U, X, Z = Con.
24-423	16	16		24-5	–	A, B, C, D, E, F, G, H = Ir.; J, K, L, M, N, P, R, S = Con.
24-430	24	24		24-28	–	All Chromel
24-431	24	24		24-28	–	All Alumel
24-621	24	24		24-28	–	A, C, E, G, J, L, K, N, S, U, W, Y = Ir.; B, D, F, H, M, P, Q, R, T, U, X, Z = Con.
24-622	24	24		24-28	–	A, C, E, G, J, L, K, N, S, U, W, Y = Ch.; B, D, F, H, Q, R, M, P, T, V, X, Z = Al.
28-53	22	18	4	28-11	45	J, L = Al.; K, M = Ch.
28-58	14	4	10	28-20	45	A, C, E, G, K, M = Al.; B, D, F, H, L, N = Ch.; J, P = Cu.
28-61	37	37		28-21	45	A, C, J, Z, m, r, n, a, K, F, H, X, k, h, T, M, N, d = Ir.; Bal = Con.
28-63	14	4	10	28-20	315	A, C, E, G, J = Al.; B, D, F, H, P = Ch.; Bal = Cu.
28-64	35	35		28-15	–	A, d = Al.; B, j = Ch.; C, D, E, F, G, N, P, R, S, H, J, K, L, N, W, X, Y, Z = Con.; Bal = Cu.
28-65	26	26		28-12	–	A, C, E, G, J, L, N, R, T, V = Ir.; X, Z = Al.; B, D, F, H, K, M, P, S, U, W = Con.; Y, a = Ch.; b, d = Cu.
28-67	20	20		28-16	–	U = Con.; Bal = Cu.
28-68	35	35		28-15	45	T = Al.; U = Ch.; Bal = Cu.
28-69	22	18	4	28-11	–	G = Al.; R = Ch.; Bal = Cu.
28-70	22	18	4	28-11	–	A = Al.; B = Ch.; Bal = Cu.
28-78	35	35		28-15	–	A, B = Ch.; C, D = Al.; Bal = Std.
28-81	37	37		28-21	–	A, D, S, Z, n, s = Ir.; B, J, K, f, g, r = Con.; G, L, P, b, e, j = Al.; F, H, T, X, h, k = Ch.; Bal = Cu.
28-85	22	18	4	28-11	45	K, M = Al.; J, L = Ch.; Bal = Cu.
28-91	12	6	6	28-9	–	M = Ir.; L = Con.; Bal = Cu.

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INSERT CONFIGURATIONS

MIL-DTL-5015 SERIES I

THERMOCOUPLE INSERT CONFIGURATIONS BY SHELL SIZE

THERMOCOUPLE INSERT	TOTAL CONTACTS	CONTACT SIZE		BASIC INSERT	ROTATION (Degrees)	CONTACT MATERIAL
		#16	#12			
28-94	26	26		28-12	–	B, D, F, H, K, M, P, S, U, W, Y, a, d = Al.; Bal = Ch.
28-98	37	37		28-21	–	M = Al.; F = Ch.; Bal = Cu.
28-99	26	26		28-12	–	B, D, F, H, K, M, P, S, U, W, Y, a = Con.; Bal = Cu.
28-201	14	4	10	28-20	–	A, C, E, G, J, P = Con.; Bal = Std.
28-413	26	26		28-12	–	A., B, C, D, M, N, P, R, S, T, U, Z, a = Ir.; E, F, G, H, J, K, L, V, W, X, Y, b, d = Con.
28-414	26	26		28-12	–	A, B, C, D, M, N, P, R, S, T, U, Z, a = Cu.; E, F, G, H, J, K, L, V, W, X, Y, b, d = Con.
28-420	20	20		28-16	45	A, B, C, J, K, L, M, S, T, V = Con.; D, E, F, G, H, N, P, Q, R, U = Ir.
28-AC	20	20		28-16	–	A, C, E, G, J, L = Ir.; B, D, F, N, K, M = Con.; Bal = Cu.
28-AD	37	37		28-21	–	A, C, F, H, J, K, M, N, T, X, Z, a, d, h, k, m, n, r = Cu.; Bal = Con.
28-AE	37	37		28-21	–	A, C, E, G, J, L, N, R, T, V, X, a, c, e, g, j, m, p, s = Cu.; Bal = Con.
28-AF	12	12		28-18		A, C, E, G, J, L = Ch.; Bal = Al.
28-AG	26	26		28-12	–	A, C, E, G, J, L, N, R = Al.; B, D, F, H, K, M, P, S = Ch.; Bal = Cu.
28-AK	37	37		28-21	–	A, B, C, D, J, K, L, M, N, P, X, a, b, c, m, p = Ch.; n = Cu.; Bal = Al.
32-50	30	24	6	32-8	–	M = Ch.; N = Al.; Bal = Cu.
32-51	30	24	6	32-8	90	M = Ch.; N = Al.; Bal = Cu.
32-55	30	24	6	32-8	125	M, N = Ch.; O, P = Al.; Bal = Cu.
32-91	54	54		32-64	–	A, C, E, G, J, L, N, P, S, U, W, Y, a, c, e, g, j, m = Ir.; B, D, F, H, K, M, O, R, T, V, X, Z, b, d, f, h, k, n = Con.; Bal = Cu.
32-408	30	24	6	32-8	–	A, B, C, D, E, F, G, H, I, J, K, L, M, N, O = Ir.; P, R, S, T, U, V, W, X, Y, Z, a, b, c, d, e = Con.
36-53	47	40	7	36-7	45	U, V, W = Al.; X, Y, Z = Ch.; Bal = Cu.
36-56	48	48		36-10	–	A, C, E, G, L, J, H, P, R, T, V, X, Z, b, d, f, h, k, q, n, m, u, w, y = Con.; Bal = Cu.
36-57	47	46	1	36-8	–	W = Al.; f = Ch.; Bal = Cu.
36-58	35	35		36-15	–	H = Al.; G = Ch.; Bal = Cu.
36-61	35	35		36-15	–	A, C, E, J, K, L, M, N, P, R, T, V, f, X, Y, h, j, c = Con.; Bal = Cu.
36-62	48	48		36-10	–	A, C, E = Al.; B, D, F = Ch.; Bal = Cu.
36-82	52	52		36-52	–	v, g = Ir.; p, y, c = Con.; x = Ch.; Bal = Cu.

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THERMOCOUPLE INSERT CONFIGURATIONS BY SHELL SIZE

THERMOCOUPLE INSERT	TOTAL CONTACTS	CONTACT SIZE		BASIC INSERT	ROTATION (Degrees)	CONTACT MATERIAL
		#16	#12			
36-86	48	48		36-10	–	A, C, E, G, J, L, N, P, R, T, V, X = Al.; B, D, F, H, K, M, O, Q, S, U, W, Y = Ch.; b, d, f, h, k, n, q, s, u, w, y = Con.; a, c, e, g, j, m, p, r, t, v, x, z = Cu.
36-88	52	52		88-52	–	A, C, E, H, K, M, P, S, U, W, Y, a, c, f, h, j, m, p, r, t, v, x, z, AB, AD, AF = Cu.; Bal = Con.
36-101	48	48		36-10	–	24 = Al.; 24 = Ch.
36-102	48	48		36-10	–	24 = Ch.; 24 = Con.
36-411	22	18	4	36-1	–	A, B, E, G, I, K, M, O, R, S, U = Ir.; C, D, F, H, P, L, N, P, T, V, W = Con.
36-412	22	18	4	36-1	–	A, B, E, G, I, K, M, O, R, S, U = Ch.; C, D, F, H, J, L, N, P, T, V, W = Al.
36-414	48	48		36-10	–	A, B, C, D, E, F, G, H, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y = Ir.; Z, a, b, c, d, e, f, g, h, j, k, m, n, p, q, r, s, t, u, v, w, x, y, z = Con.
36-416	48	48		36-10	–	A, B, C, D, E, F, G, H, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y = Cu.; Z, a, b, c, d, e, f, g, h, j, k, m, n, p, q, r, s, t, u, v, w, x, y, z = Con.
36-417	48	48		36-10	–	A, B, C, D, E, F, G, H, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y = Ch.; Z, a, b, c, d, e, f, g, h, j, k, m, n, p, q, r, s, t, u, v, w, x, y, z = Con.
40-59	85	85		40-56	–	A, C, E, H, K, M, P, S, U, W, Y, a, c, f, h, j, m, p, r, t, v, x, z, AB, AD, AF, AJ, AL, AN, AP, AS, AU, AW, AY, BA, BE, BH, BK, BM, BP, BS, BU = Ir.; Bal. = Con.
40-77	60	60		40-53	–	B = Ch.; C = Con.; 55, 60 = Ir.; 57, 58, 59 = Con.; 56 = Ch.; Bal = Cu.
40-78	60	60		40-53	–	50, 51 = Ir.; 27, 28, 29, 31, 32, 34, 36, 37 = Con.; 25, 39, 40, 41 = Al.; 43, 44, 45, 46, 47, 48, 49, 52, 53, 54 = Ch.; Bal = Cu.
40-88	60	60		40-53	–	1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27, 29, 31, 33, 35, 37, 39, 41, 43, 45, 47, 49, 51, 53, 55, 57, 59 = Con.; Bal = Cu.
40-AA	85	85		40-56	–	A, C, E, H, K, M, P, S, U, W, Y, a, c, f, h, j, m, p, r, t, v, x, z, AB, AD, AF, AJ, AL, AN, AR, AT = Cu.; B, D, F, J, L, N, R, T, V, X, Z, b, d, g, i, k, n, q, s, u, w, y, AA, AC, AE, AH, AK, AM, AP, AS = Con.; AU, AW, AY, BA, BC, BE, BH, BK, BM, BP, BS, BU = Ch.; AV, AX, AZ, BB, BD, BF, BJ, BL, BN, BP, BT, BV = Al.
44-57	104	104		44-52	–	A, C, E, G, J, L, etc. = Cu.; B, D, F, H, K, M, etc. = Con.
44-59	104	104		44-52	–	34 = Con.; 70 = Cu.
44-60	104	104		44-52	–	A, C, E, etc. = Ch. (52); B, D, F, etc. = Con. (52)
44-62	104	104		44-52	–	BY, BZ, CA, CB, CC, CD, CE, CR = Al.; CH, CJ, CK, CL, CM, CN, CP, CS = Ch.; Bal = Cu.

INSERT CONFIGURATIONS





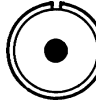
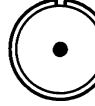
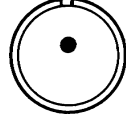
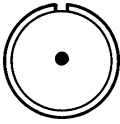
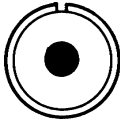
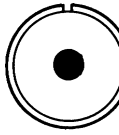
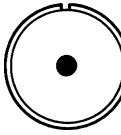
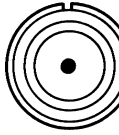
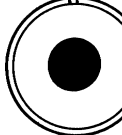
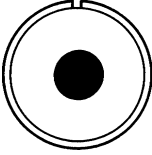
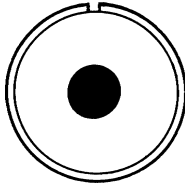
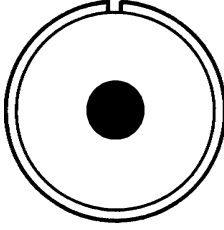
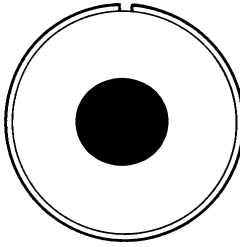
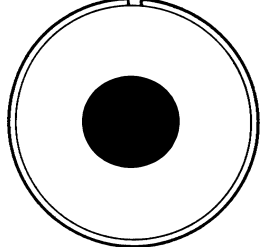
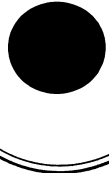
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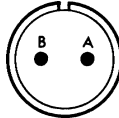
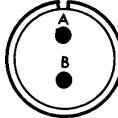
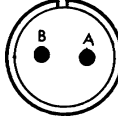
INSERT CONFIGURATIONS BY NUMBER OF CONTACTS

FACE VIEW OF PIN INSERTS SHOWN APPROXIMATELY 3/4 ACTUAL SIZE

1 CONTACT

							
CONTACTS	1-#16	1-#16	1-#16	1-#12	1-#8	1-#16	1-#12
RATING	A	A	D	D	A	D For new MIL equip. design, use 12S-4	E
							
CONTACTS	1-#16	1-#4	1-#4	1-#8	1-#12	1-#0	
RATING	B	A	D	B	HIGH VOLTAGE	D	
							
CONTACTS	1-#0	1-#0	1-#0	1-4/0	36-01 36A1 1-#4/0		
RATING	E	B	E	A	A		

2 CONTACTS

						
CONTACTS	2-#16	2-#16	2-#16	2-#16	16-11† 16A11★ 2-#12	2-#12 Thermocouple
RATING	A	A	A For new MIL equip. design, use 12S-3	D	A	A

† = Military designation per MIL-STD-1651.

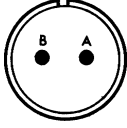
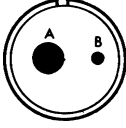
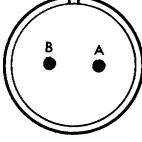
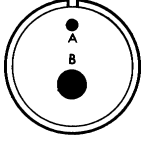
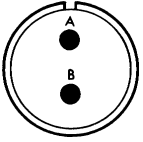
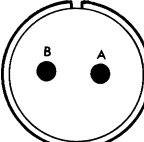
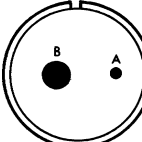
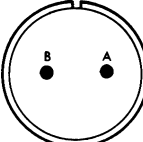
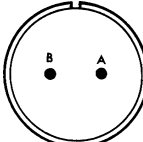
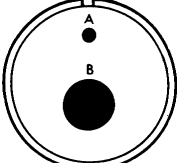
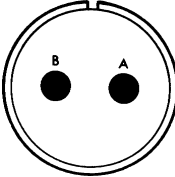
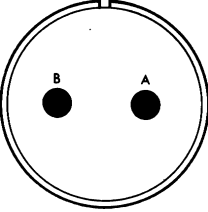
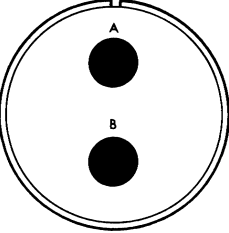
‡ = Military designation inactive for new design.

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INSERT CONFIGURATIONS BY NUMBER OF CONTACTS

FACE VIEW OF PIN INSERTS SHOWN APPROXIMATELY 3/4 ACTUAL SIZE

2 CONTACTS (CONT.)

					
CONTACTS	18-3‡ 2-#12	18-14† 1-#4 (A) 1-#16 (B)	20-5‡ 2-#16	20-12‡ 1-#16 (A) 1-#4 (B)	20-23‡ 2-#8
RATING	D For new MIL equip. design, use 18-5	A	E	A For new MIL equip. design, use 18-14	A For new MIL equip. design, use 20-22
					
CONTACTS	22-1‡ 2-#8	22-3‡ 1-#16 (A) 1-#4 (B)	22-8‡ 2-#12	22-11† 2-#16	24-1‡ 1-#12 (A) 1-#0 (B)
RATING	D For new MIL equip. design, use 22-2	D	E For new MIL equip. design, use 22-9	B	D
					
CONTACTS	24-9‡ 2-#4	28-7‡ 2-#4	32-5‡ 2-#0		
RATING	A For new MIL equip. design, use 24-12	D For new MIL equip. design, use 28-5	D For new MIL equip. design, use 32-1		

INSERT CONFIGURATIONS

† = Military designation per MIL-STD-1651.

‡ = Military designation inactive for new design.

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INSERT CONFIGURATIONS BY NUMBER OF CONTACTS

FACE VIEW OF PIN INSERTS SHOWN APPROXIMATELY 3/4 ACTUAL SIZE

3 CONTACTS

CONTACTS	10SL-3† 3-#16	14S-1‡ 14S-7† 3-#16	16S-5‡ 3-#16	16S-6‡ 3-#16	16-7† 2-#16 (A, B) 1-#8 (C)	16-10† 3-#12	18-5† 1-#16 (A) 2-#12 (B, C)
RATING	A	A	A For new MIL equip. design, use 14S-7	A For new MIL equip. design, use 14S-7	A	A	D
CONTACTS	18-21‡ 3-#12	18-22‡ 3-#16	20-3‡ 3-#12	20-6‡ 3-#16	20-19‡ 3-#8	20-26‡ 3-#12	
RATING	A	D For new MIL equip. design, use 18-4	D For new MIL equip. design, use 20-4	D For new MIL equip. design, use 18-4	A For new MIL equip. design, use 20-22	A	
CONTACTS	22-2† 3-#8	22-6‡ 1-#16 (B) 2-#8 (A, C)	22-9† 3-#12	22-21† 2-#16 (B, C) 1-#0 (A)	22-25‡ 2-#16 (B, C) 1-#0 (A)	22-35‡ 3-#8	
RATING	D	D For new MIL equip. design, use 22-12	E	A	A	D	
CONTACTS	24-14‡ 2-#12 (B, C) 1-#0 (A)	28-3† 3-#8	28-6‡ 3-#4	32A3 3-#4	36-4‡ 3-#0		
RATING	A	E	D For new MIL equip. design, use 28-22	E	D (A); A (balance) For new MIL equip. design, use 36-3		

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INSERT CONFIGURATIONS BY NUMBER OF CONTACTS

FACE VIEW OF PIN INSERTS SHOWN APPROXIMATELY 3/4 ACTUAL SIZE

4 CONTACTS

CONTACTS	12SA10 12S-2002-10 4-#16	14S-2† 4-#16	16-9† 2-#16 (B, D) 2-#12 (A, C)	18-4† 4-#16	18-10‡ 4-#12	18-13† 3-#12 (B, C, D) 1-#8 (A)	
RATING	A	INST.	A	D	A For new MIL equip. design, use 18-11	A	
CONTACTS	18-15† 4-#12 Thermocouple	20-4† 4-#12	20-10† 4-#16	20-13† 4-#16	20-20‡ 3-#12 (B, C, D) 1-#4 (A)	20-24‡ 2-#16 (A, C) 2-#8 (B, D)	22-4‡ 2-#12 (A, C) 2-#8 (B, D)
RATING	A	D	A	A	A	A	A For new MIL equip. design, use 20-14
CONTACTS	22-10† 4-#16	22-22† 22B22★ 4-#8	24-4† 3-#16 (B, C, D) 1-#0 (A)	24-22† 4-#8	32-17† 4-#4		
RATING	E	A	A	D	D		
CONTACTS	36-5† 4-#0	36-51 2-#4 (C, D) 2-#0 (A, B)	40B4 4-#0	40-57 4-#0			
RATING	A	D	E	E			

INSERT CONFIGURATIONS

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INSERT CONFIGURATIONS BY NUMBER OF CONTACTS

FACE VIEW OF PIN INSERTS SHOWN APPROXIMATELY 3/4 ACTUAL SIZE

5 CONTACTS

CONTACTS	14S-5† 5-#16	16S-8‡ 5-#16	18-11† 5-#12	18-20‡ 5-#16	18-29‡ 5-#16
RATING	INST.	A	A	A For new MIL equip. design, use 16S-8	A For new MIL equip. design, use 16S-8
CONTACTS	20-14† 3-#12 (C, D, E) 2-#8 (A, B)	22-12† 3-#16 (A, C, D) 2-#8 (B, E)	22-13† 1-#16 (E) 4-#12 (A-D)	22-34‡ 2-#16 (D, E) 3-#12 (A, B, C)	24-G5 5-#8 Top pin is grounded
RATING	A	D	A (A, D); D (E) For new MIL equip. design, use 22-15	D	A
CONTACTS	24-12† 3-#12 (B, D, E) 2-#4 (A, C)	24-17‡ 3-#16 (C, D, E) 2-#12 (A, B)	24-23† 2-#16 (D, E) 3-#8 (A, B, C)	24-79 5-#8	24-620 3-#16 (C, D, E) 2-#12 (A, B)
RATING	A	D For new MIL equip. design, use 22-5	D	A	
CONTACTS	28-5† 2-#16 (C, D) 1-#12 (A) 2-#4 (B, E)	32-1† 3-#12 (A, C, D) 2-#10 (B, E)	32-2† 2-#16 (A, C) 3-#4 (B, D, E)	32-63† 5-#4	
RATING	D	E (A); D (balance)	E	D	

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‡ = Military designation inactive for new design.

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INSERT CONFIGURATIONS BY NUMBER OF CONTACTS

FACE VIEW OF PIN INSERTS SHOWN APPROXIMATELY 3/4 ACTUAL SIZE

5 CONTACTS (CONT.)

CONTACTS	32-79 1-#8 (E) 4-#4 (A-D)	36-2† 2-#12 (A, C) 3-#0 (B, D, E)	40A3 2-#12 (A,D) 3-#0 (N,R,S)	40A5 1-#12 (E) 1-#4 (D) 3-#0 (A, B, C)
RATING	D	D For new MIL equip. design, use 36-3	D	D

6 CONTACTS

CONTACTS	14S-6† 6-#16	18A6 18-06 2-#16 (E, F) 4-#12 (A-D)	18-12† 6-#16	20-8† 4-#16 (B, C, E, F) 2-#8 (A, D)	20-22† 3-#16 (B, D, F) 3-#8 (A, C, E)	20-17† 1-#16 (F) 5-#12 (A-E)
RATING	INST.	A	A For new MIL equip. design, use 16S-1	INST.	A	A
CONTACTS	22-5† 4-#16 (A,C,D,F) 2-#12 (B,E)	22-15† 1-#16 (D) 5-#12 (A, B, C, E, F)	22-24† 4-#16 (A, C, D, E) 2-#12 (B, F)	24A-6 2-#8 (F, C) 4-#12 (A, B, E, D)	24-06 2-#16 (E, F) 4-#8 (A, B, C, D)	
RATING	A (A, B, C, E, F)	A (A, B, C, E, F) E (D)	A (A, B, F); D (C, D, E) For new MIL equip. design, use 22-5	D	D	

INSERT CONFIGURATIONS

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‡ = Military designation inactive for new design.

★ = VG95234