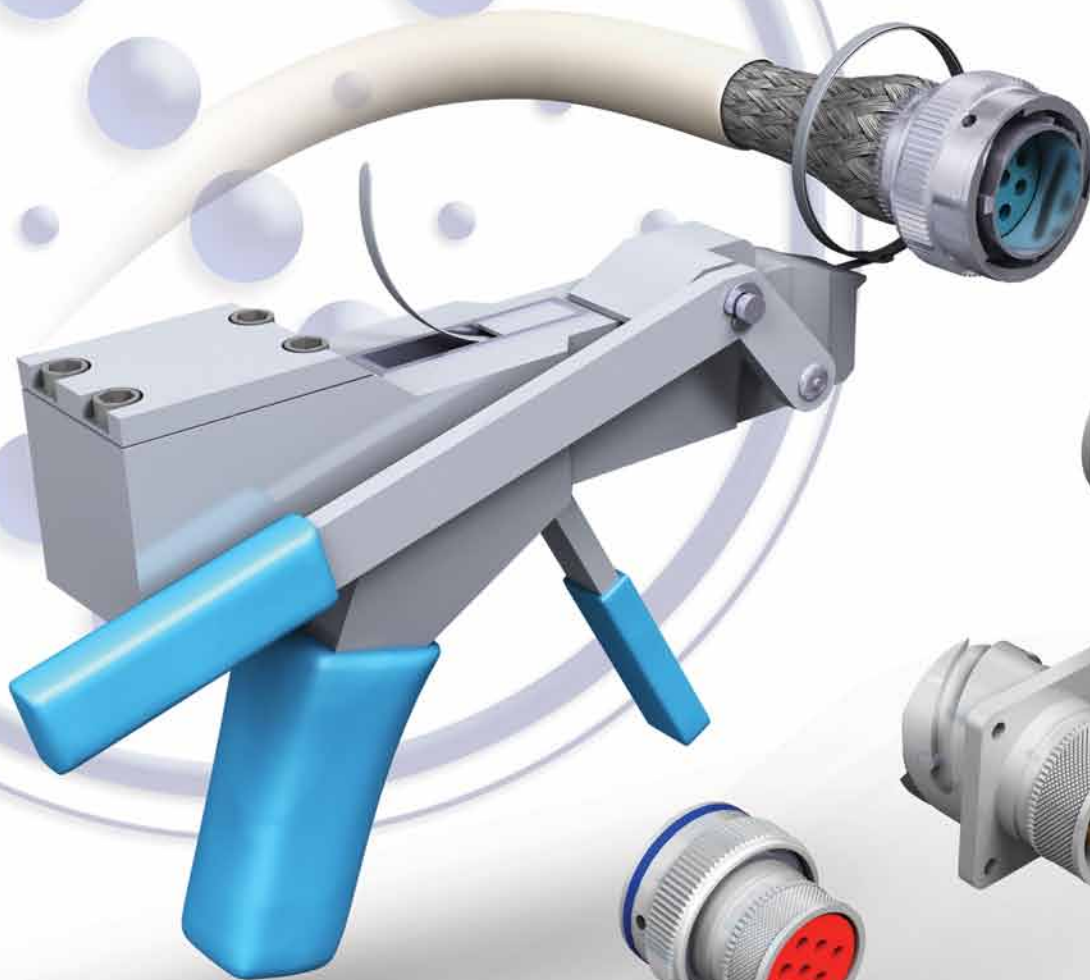


Multi-Pin Cylindrical Connectors with Integrated Backshells for Banding, Over Molding or Shrink Boot Applications

The benefits of using an integrated backshell connector:

- ▶ Shorter overall length of the connector
- ▶ Elimination of a component
- ▶ Weight reduction



MIL-DTL-38999
SC3924SV



MIL-DTL-5015
SC50SV



VG95234 Type
SCPB00SV



MIL-DTL-26482
SC76SV

SPACECRAFT AT A GLANCE

Your Connector Consultant
Since 1962



Founded in 1962, Spacecraft is a family-owned, leading manufacturer and distributor of cylindrical connectors for the railways/transit, military, aerospace and various harsh environment markets.

As a Manufacturer, Spacecraft's core focus is manufacturing reverse bayonet connectors geared towards railway and transit applications. Our extensive engineering and manufacturing experience with reverse bayonet connectors provides us with the opportunity to offer a broad range of derivative cylindrical products in a short period of time with an assurance of exceptional quality.

As a Distributor, Spacecraft has developed key partnerships with world-class manufacturers whose products encompass MIL-SPEC and harsh environment industrial connectors. We are an authorized MIL-STD-790 value-added assembler for our principal connector manufacturers, such as Souriau, Reiku, Corsair, Sunbank, Astro Tool Corp., Mencom and Ulti-Mate. We stock a wide and deep variety of QPL components which enables us to provide a vast assortment of completed QPL connectors within a three-day turnaround.

As an Organization, Spacecraft prides itself on providing consultative service by utilizing our greatest asset: Our people!

Spacecraft invites you to tour our best-in-class facility located in North Las Vegas, Nevada, USA.

Spacecraft's Core Values

- MIL-STD-790 Certified
- Over 9 Million Connectors in Inventory
- Technical Solutions Oriented
- A Consultative Sales Team
- Vertically Integrated
- Supporter of the Buy American Act



Exceeding Your Quality Expectations

Spacecraft Components Corp. warrants to the original purchaser that 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.



CIDS (Connector Identification System)

Your Online Source for MIL-SPEC Cylindrical Connectors

- Access to MIL-SPEC Data Sheets in an Instant
- Identify Crimp Tools for Your Contacts
- Identify the Mating Connector
- Identify the Accessories for Your Connector

Mission Statement

To provide a work environment where our employees can meet their potential and thrive in an atmosphere of excellence by utilizing their strengths and attributes towards supporting our customers, thereby providing superior products and exceptional service which helps our customers gain a competitive advantage in their markets.

Locations

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 Mexico Office +52 442 341 69 63
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3040 Clayton Street
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Phone: 702.851.7600
Fax: 702.851.7620

Email: salesinfo@spacecraft.com
Web: www.spacecraft.com

MULTI-PIN CYLINDRICAL CONNECTORS WITH INTEGRATED BACKSHELLS FOR BANDING, OVER MOLDING OR SHRINK BOOT APPLICATIONS

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Catalog 601 Table of Contents

SC* P/N	MIL* P/N	DESCRIPTION	PAGE NO.
VG95234 Reverse Bayonet - Ordering Information			1F-1
SCPB00SV	–	Wall Mount Receptacle	1F-2
SCPB030SV	–	Wall Mount Receptacle	1F-3
SCPB01SV	–	In-Line Receptacle	1F-4
SCPB06SV	–	Straight Plug	1F-5
SCPB070SV	–	Jam Nut Receptacle	1F-6
SCPB08SV	–	90 Degree Plug	1F-7
MIL-DTL-5015 Series I - Solder - Ordering Information			1F-8
SCP00SV	MS 3100	Wall Mount Receptacle	1F-9
SCP01SV	MS 3101	In-Line Receptacle	1F-10
SCP04SV	–	Jam Nut Receptacle	1F-11
SCP06SV	MS 3106	Straight Plug	1F-12
SCP08SV	MS 3108	90 Degree Plug	1F-13
MIL-DTL-5015 Series II - Crimp, Front Release - Ordering Information			1F-14
SC30SV	MS 3400	Wall Mount Receptacle	1F-15
SC31SV	MS 3401	In-Line Receptacle	1F-16
SC34SV	MS 3404	Jam Nut Receptacle	1F-17
SC36SV	MS 3406	Straight Plug	1F-18
SC37SV	–	Straight Plug Self-Locking	1F-18
MIL-DTL-5015 Series III - Crimp, Rear Release - Ordering Information			1F-19
SC50SV	MS 3450	Wall Mount Receptacle	1F-20
SC51SV	MS 3451	In-Line Receptacle	1F-21
SC54SV	MS 3454	Jam Nut Receptacle	1F-22
SC56SV	MS 3456	Straight Plug	1F-23
SC59SV	MS 3459	Straight Plug Self-Locking	1F-23

continued on next page

Table of Contents (cont.)

SC* P/N	MIL* P/N	DESCRIPTION	PAGE NO.
MIL-DTL-26482 Series I - Solder - Ordering Information			1F-24
SCPT00SV	MS 3110	Wall Mount Receptacle	1F-25
SCPT01SV	MS 3111	In-Line Receptacle	1F-26
SCPT06SV	MS 3116	Straight Plug	1F-26
SCPT07SV	MS 3114	Jam Nut Receptacle	1F-27
SCPT08SV	–	90 Degree Plug	1F-27
MIL-DTL-26482 Series 1 - Crimp Front Release - Ordering Information			1F-28
SCPT00SSV	MS 3120	Wall Mount Receptacle	1F-29
SCPT01SSV	MS 3121	In-Line Receptacle	1F-30
SCPT06SSV	MS 3126	Straight Plug	1F-30
SCPT07SSV	MS 3124	Jam Nut Receptacle	1F-31
SCPT08SSV	–	90 Degree Plug	1F-31
MIL-DTL-26482 Series 2 - Crimp Rear Release - Ordering Information			1F-32
SC70SV	MS 3470	Wall Mount Receptacle	1F-34
SC71SV	MS 3471	In-Line Receptacle	1F-34
SC72SV	MS 3472	Wall Mount Receptacle - Wide Flange	1F-35
SC74SV	MS 3474	Jam Nut Receptacle	1F-35
SC75SV	MS 3475	Straight Plug - EMI/RFI - Grounding	1F-36
SC76SV	MS 3476	Straight Plug	1F-36
MIL-DTL-38999 Series I - Ordering Information			1F-37
SC1001SV	–	In-Line Receptacle	1F-38
SC1466SV	MS 27466	Wall Mount Receptacle	1F-38
SC1467SV	MS 27467	Straight Plug EMI/RFI	1F-39
SC1468SV	MS 27468	Jam Nut Receptacle	1F-39
SC1656SV	MS 27656	Wall Mount Receptacle, Rear Panel Mtg	1F-40
MIL-DTL-38999 Series II - Ordering Information			1F-41
SC2001SV	–	In-Line Receptacle	1F-42
SC2472SV	MS 27472	Wall Mount Receptacle	1F-42
SC2473SV	MS 27473	Straight Plug	1F-43
SC2474SV	MS 27474	Jam Nut Receptacle	1F-43
SC2484SV	MS27484	Straight Plug-EMI/RFI	1F-44
SC2497SV	MS 27497	Wall Mount Receptacle - Rear Panel Mtg	1F-44
MIL-DTL-38999 Series III - Ordering Information			1F-45
SC3901SV	–	In-Line Receptacle	1F-46
SC3920SV	D38999/20	Wall Mount Receptacle	1F-46
SC3924SV	D38999/24	Jam Nut Receptacle	1F-47
SC3926SV	D38999/26	Straight Plug Self-Locking	1F-47
MIL-DTL-85049 Termination Bands - Ordering Information			1F-48
SCPSE-02F	M85049/128-1	.245 Flat Termination Band	1F-49
SCPSE-02C	M85049/128-2	.245 Coiled Termination Band	1F-49
SCPBE-02F	M85049/128-3	.250 Flat Termination Band	1F-49
SCPBE-02C	M85049/128-4	.250 Coiled Termination Band	1F-49
SCPSE-03F	M85049/128-5	.118 Flat Termination Band	1F-49
SCPSE-03C	M85049/128-6	.118 Coiled Termination Band	1F-49
SCPBE-03F	M85049/128-7	.120 Flat Termination Band	1F-49
SCPBE-03C	M85049/128-8	.120 Coiled Termination Band	1F-49



REVERSE BAYONET **SCPB SERIES**

ORDERING INFORMATION

SCPB 00 SV 18 - 1 S W F80 A95

SERIES PREFIX

- SCPB** Receptacles with wear pins.
- SCPBS** Receptacles without wear pins.
- SCPBH** Inserts are Halogen-free.
- SCPBG** Plug with EMI/RFI ground spring.

SHELL STYLE

See Table I below.

CLASS

SV Integrated backshell.

SHELL SIZE

10SL, 14S, 16S, 16, 18, 20, 22, 24, 28, 32, 36, 40.

INSERT CONFIGURATION

See Catalog 302, Section 4C.

CONTACT STYLE

- P** Pin contacts.
 - R1*** Socket with one (1) Spring. Sizes 8, 4, 1/0, 4/0. See Table III below.
 - R2*** Socket with two (2) Springs. Sizes 8, 4, 1/0, 4/0. See Table III below.
 - R3*** Socket with three (3) Springs. Sizes 8, 4, 1/0, 4/0. See Table III below.
 - S** Socket contacts.
 - T** Pin for R1, R2 or R3 Sockets. See Table II below.
- * Low insertion force and high amperage.

MODIFICATION

- A95** Contacts: .000010 gold over .000010 nickel.
 - B1** .245 Flat Band SCPSE-02F Included, Shell Sizes 16-40 (See page 1F-49)
 - B3** .242 Flat Band SCPBE-02F Included, Shell Sizes 16-40 (See page 1F-49)
 - B5** .118 Flat Band SCPSE-04F Included, Shell Sizes 10SL-16S (See page 1F-49)
 - B7** .120 Flat Band SCPBE-04F Included, Shell Sizes 10SL-16S (See page 1F-49)
 - 005** Black anodize.
 - 023** Electroless nickel.
 - 024** Zinc cobalt, olive drab color.
 - 025** Zinc cobalt, black color.
 - 098** Stainless steel, passivated.
 - 142** Contacts: .000030 gold over .000050 nickel.
 - 989** Zinc nickel, black.
 - 999** Teflon nickel, non-reflective.
- For other codes, contact Sales Dept.

CONTACT TYPE

- BLANK** Solder termination.
- CR** Metric crimp for DIN wire.
- CR1** Metric crimp for AWG wire.
- F0** Less contacts.
- F80** Crimp for AWG wire.

ALTERNATE POSITION (POLARIZATION)

BLANK (normal), **W, X, Y, Z.**

MATERIAL: Aluminum Alloy

FINISH: Cadmium, Olive drab, 48 hr. Salt spray

INSERTS: Low smoke, self-extinguishing, halogen-free elastomeric material.

TABLE I. SHELL STYLE

SHELL STYLE	DESCRIPTION
00	Wall mount receptacle
01	In-line receptacle
030	Wall mount receptacle for rear panel mounting
06	Straight plug
070	Jam nut receptacle with rear accessory threads
G070	Jam nut receptacle with rear accessory threads and grounding spring
08	90° plug

TABLE II. PIN CONTACTS

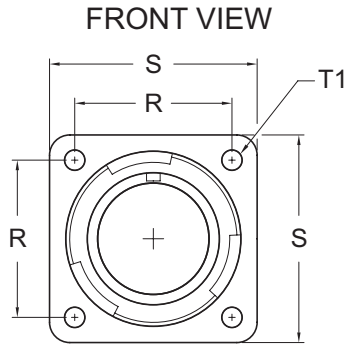
CONNECTOR ORDERING CODE	PIN PART NUMBER	SIZE	FOR WIRE SIZE		RATING
			AWG	MM ²	
T	R12-7900-110	8	8	9	100 Amps
T	R12-8500-110	4	4	22	168 Amps
T	R10-9200-110	1/0	1/0	53	304 Amps
T	R10-9798-110	4/0	4/0	107	500 Amps

TABLE III. SOCKET CONTACTS

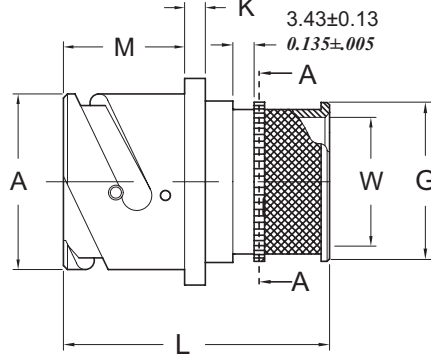
CONNECTOR ORDERING CODE	SOCKET PART NUMBER	SIZE	FOR WIRE SIZE		SPRINGS	RATING
			AWG	MM ²		
R1	T10-7900-110-1	8	8	9	1	46 Amps
R2	T10-7900-110-2				2	73 Amps
R3	T10-7900-110-3				3	90 Amps
R1	T10-8500-110-1	4	4	22	1	80 Amps
R2	T10-8500-110-2				2	135 Amps
R3	T10-8500-110-3				3	168 Amps
R1	T10-9200-110-1	1/0	1/0	53	1	150 Amps
R2	T10-9200-110-2				2	245 Amps
R3	T10-9200-110-3				3	304 Amps
R1	T10-9795-110-1	4/0	4/0	107	1	225 Amps
R2	T10-9795-110-2				2	350 Amps
R3	T10-9795-110-3				3	500 Amps

SCPBOOSV* WALL MOUNT RECEPTACLE

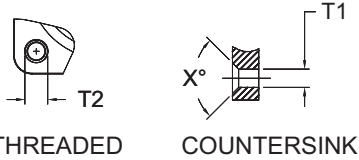
REVERSE BAYONET, SOLDER OR CRIMP CONTACTS (RUBBER RETENTION)



SIDE VIEW



MOUNTING HOLE OPTIONS



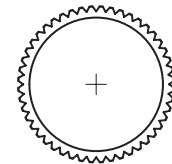
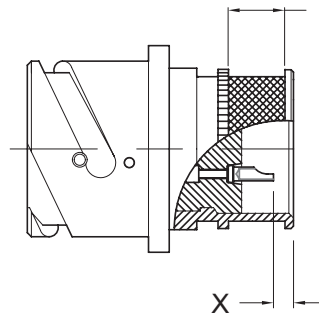
THREADED COUNTERSINK

MOUNTING HOLE CODES

CODE	MOUNTING HOLE TYPE
None	Thru holes
FF	Metric thread
UN	UNC thread
FS	Thru holes W/ Metric C'Sink (X=90°)
FSM	Thru holes W/ UN C'Sink (X=82°)

SHELL SIZES:
10SL, 14S & 16S
6.35±0.13
0.250±.005
FOR .125 BAND

SHELL SIZES:
16-40
9.14±0.13
0.360±.005
FOR .240 BAND



SECTION A-A

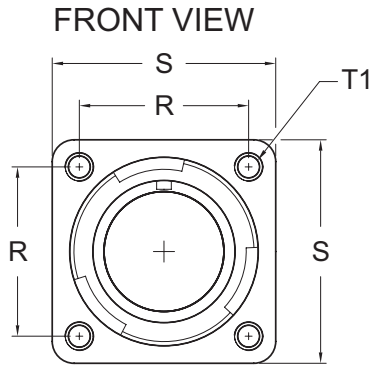
(Shell teeth shown for clarity)

SCPBOOSV* Environmental, no grommet

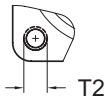
SHELL SIZE	FRONT VIEW					SIDE VIEW							
	R ±0.1/±.004	S ±0.3/±.012	T1 +0.1/+0.004 -0.0/-.000	T2 THREAD		A +0.00/+0.000 -0.15/-.006	G MAX	K ±0.2/±.008	L MAX	M +0.4/+.016 -0.0/-.000	W MIN	X ±0.4/±.016	
				METRIC	UNC							.240 BAND	.120 BAND
10SL	18.2/0.717	25.4/1.000	3.2/0.126	M4	8-32UNC	18.2/0.717	16.1/0.632	2.8/0.110	33.53/1.320	14.2/0.559	12.1/0.475	-	5.8/0.230
14S	23.0/0.906	30.0/1.181	3.2/0.126	M4	8-32UNC	24.6/0.969	19.2/0.755	3.2/0.126	33.53/1.320	14.3/0.563	15.4/0.605	-	5.8/0.230
16S	24.6/0.969	32.5/1.280	3.2/0.126	M4	8-32UNC	27.4/1.079	22.4/0.880	3.2/0.126	33.53/1.320	14.0/0.551	18.7/0.735	-	5.8/0.230
16	24.6/0.969	32.5/1.280	3.2/0.126	M4	8-32UNC	27.4/1.079	22.4/0.880	3.2/0.126	42.80/1.685	19.0/0.748	18.7/0.735	3.7/0.145	-
18	27.0/1.063	35.0/1.378	3.2/0.126	M4	8-32UNC	30.8/1.213	25.5/1.005	4.0/0.157	42.80/1.685	19.1/0.752	21.9/0.860	3.7/0.145	-
20	29.4/1.157	38.0/1.496	3.2/0.126	M4	8-32UNC	34.2/1.346	28.7/1.130	4.0/0.157	42.80/1.685	19.1/0.752	24.8/0.975	3.7/0.145	-
22	31.8/1.252	41.0/1.614	3.2/0.126	M4	8-32UNC	37.4/1.472	31.9/1.255	4.0/0.157	42.80/1.685	19.0/0.748	28.1/1.105	3.7/0.145	-
24	34.9/1.374	44.5/1.752	3.7/0.146	M4	10-24UNC	40.9/1.610	35.1/1.380	4.0/0.157	42.80/1.685	20.6/0.811	31.2/1.230	3.7/0.145	-
28	39.7/1.563	50.8/2.000	3.7/0.146	M5	10-24UNC	46.7/1.839	41.4/1.630	4.0/0.157	43.82/1.725	20.6/0.811	35.9/1.415	4.7/0.185	-
32	44.5/1.752	57.0/2.244	4.3/0.169	M5	1/4-20UNC	53.4/2.102	47.8/1.880	4.0/0.157	43.82/1.725	22.2/0.874	43.1/1.695	4.7/0.185	-
36	49.2/1.937	63.5/2.500	4.3/0.169	M5	1/4-20UNC	59.6/2.346	52.5/2.067	4.0/0.157	43.82/1.725	22.2/0.874	48.0/1.890	4.7/0.185	-
40	55.5/2.185	69.9/2.752	4.3/0.169	M5	1/4-20UNC	65.5/2.579	58.9/2.317	4.0/0.157	43.82/1.725	22.2/0.874	53.8/2.120	4.7/0.185	-

DIMENSIONS IN *ITALIC* ARE INCHES.

WALL MOUNT RECEPTACLE, REAR PANEL MOUNT **SCPB030SV*** REVERSE BAYONET, SOLDER OR CRIMP CONTACTS (RUBBER RETENTION)



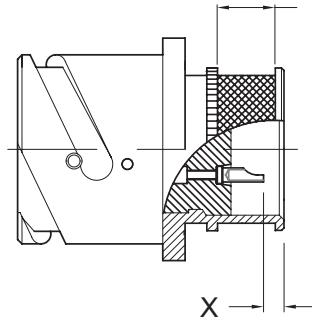
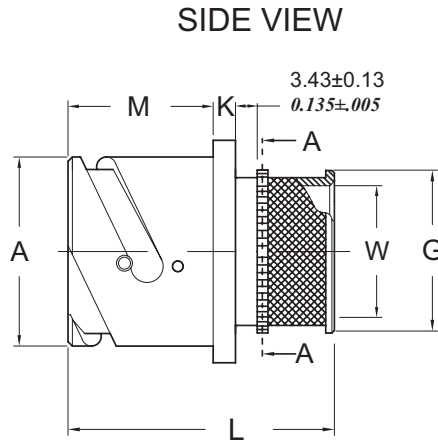
MOUNTING HOLE OPTION



THREADED

MOUNTING HOLE CODES

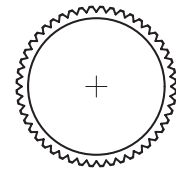
CODE	MOUNTING HOLE TYPE
FP	Thru holes
None	Metric thread - Standard
UN	UNC thread



SHELL SIZES:
10SL, 14S & 16S

6.35±0.13
0.250±.005
FOR .125 BAND

SHELL SIZES:
16-40
9.14±0.13
0.360±.005
FOR .240 BAND



SECTION A-A
(Shell teeth shown for clarity)

SCPB030SV* Environmental, no grommet

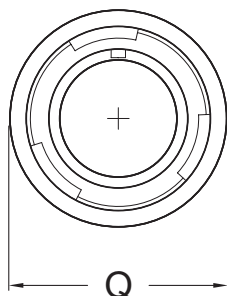
SHELL SIZE	FRONT VIEW					SIDE VIEW								
	R <i>±0.1/±.004</i>	S <i>±0.3/±.012</i>	T1 <i>+0.1/±.004 -0.0/-0.000</i>	T2 THREAD		A <i>+0.00/±.000 -0.15/-0.006</i>	G MAX	K <i>±0.2/±.008</i>	L MAX	M <i>+0.4/±.016 -0.0/-0.000</i>	W MIN	X <i>±0.4/±.016</i>		
				METRIC	UNC							.240 BAND	.120 BAND	
				STYLE FP										
10SL	<i>18.2/0.717</i>	<i>25.4/1.000</i>	<i>3.2/0.126</i>	M4	8-32UNC	<i>18.2/0.717</i>	<i>16.1/0.632</i>	<i>2.8/0.110</i>	<i>33.53/1.320</i>	<i>18.20/0.717</i>	<i>12.1/0.475</i>	-	<i>5.8/0.230</i>	
14S	<i>23.0/0.906</i>	<i>30.0/1.181</i>	<i>3.2/0.126</i>	M4	8-32UNC	<i>24.6/0.969</i>	<i>19.2/0.755</i>	<i>3.2/0.126</i>	<i>33.53/1.320</i>	<i>18.20/0.717</i>	<i>15.4/0.605</i>	-	<i>5.8/0.230</i>	
16S	<i>24.6/0.969</i>	<i>32.5/1.280</i>	<i>3.2/0.126</i>	M4	8-32UNC	<i>27.4/1.079</i>	<i>22.4/0.880</i>	<i>3.2/0.126</i>	<i>33.53/1.320</i>	<i>18.20/0.717</i>	<i>18.7/0.735</i>	-	<i>5.8/0.230</i>	
16	<i>24.6/0.969</i>	<i>32.5/1.280</i>	<i>3.2/0.126</i>	M4	8-32UNC	<i>27.4/1.079</i>	<i>22.4/0.880</i>	<i>3.2/0.126</i>	<i>42.80/1.685</i>	<i>23.05/0.907</i>	<i>18.7/0.735</i>	<i>3.7/0.145</i>	-	
18	<i>27.0/1.063</i>	<i>35.0/1.378</i>	<i>3.2/0.126</i>	M4	8-32UNC	<i>30.8/1.213</i>	<i>25.5/1.005</i>	<i>4.0/0.157</i>	<i>42.80/1.685</i>	<i>23.05/0.907</i>	<i>21.9/0.860</i>	<i>3.7/0.145</i>	-	
20	<i>29.4/1.157</i>	<i>38.0/1.496</i>	<i>3.2/0.126</i>	M4	8-32UNC	<i>34.2/1.346</i>	<i>28.7/1.130</i>	<i>4.0/0.157</i>	<i>42.80/1.685</i>	<i>23.05/0.907</i>	<i>24.8/0.975</i>	<i>3.7/0.145</i>	-	
22	<i>31.8/1.252</i>	<i>41.0/1.614</i>	<i>3.2/0.126</i>	M4	8-32UNC	<i>37.4/1.472</i>	<i>31.9/1.255</i>	<i>4.0/0.157</i>	<i>42.80/1.685</i>	<i>23.05/0.907</i>	<i>28.1/1.105</i>	<i>3.7/0.145</i>	-	
24	<i>34.9/1.374</i>	<i>44.5/1.752</i>	<i>3.7/0.146</i>	M4	10-24UNC	<i>40.9/1.610</i>	<i>35.1/1.380</i>	<i>4.0/0.157</i>	<i>42.80/1.685</i>	<i>23.05/0.907</i>	<i>31.2/1.230</i>	<i>3.7/0.145</i>	-	
28	<i>39.7/1.563</i>	<i>50.8/2.000</i>	<i>3.7/0.146</i>	M5	10-24UNC	<i>46.7/1.839</i>	<i>41.4/1.630</i>	<i>4.0/0.157</i>	<i>43.82/1.725</i>	<i>24.05/0.947</i>	<i>35.9/1.415</i>	<i>4.7/0.185</i>	-	
32	<i>44.5/1.752</i>	<i>57.0/2.244</i>	<i>4.3/0.169</i>	M5	1/4-20UNC	<i>53.4/2.102</i>	<i>47.8/1.880</i>	<i>4.0/0.157</i>	<i>43.82/1.725</i>	<i>24.05/0.947</i>	<i>43.1/1.695</i>	<i>4.7/0.185</i>	-	
36	<i>49.2/1.937</i>	<i>63.5/2.500</i>	<i>4.3/0.169</i>	M5	1/4-20UNC	<i>59.6/2.346</i>	<i>52.5/2.067</i>	<i>4.0/0.157</i>	<i>43.82/1.725</i>	<i>24.05/0.947</i>	<i>48.0/1.890</i>	<i>4.7/0.185</i>	-	
40	<i>55.5/2.185</i>	<i>69.9/2.752</i>	<i>4.3/0.169</i>	M5	1/4-20UNC	<i>65.5/2.579</i>	<i>58.9/2.317</i>	<i>4.0/0.157</i>	<i>43.82/1.725</i>	<i>24.05/0.947</i>	<i>53.8/2.120</i>	<i>4.7/0.185</i>	-	

DIMENSIONS IN *ITALIC* ARE INCHES.

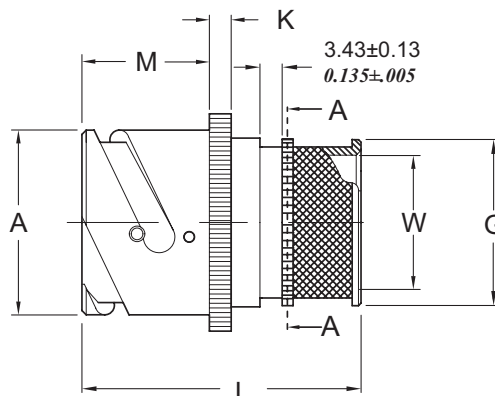
SCPB01SV* IN-LINE RECEPTACLE

REVERSE BAYONET, SOLDER OR CRIMP CONTACTS (RUBBER RETENTION)

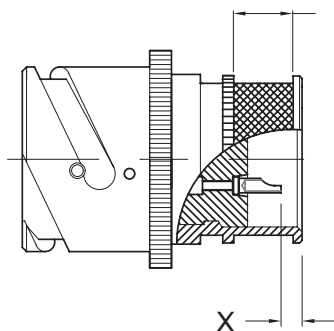
FRONT VIEW



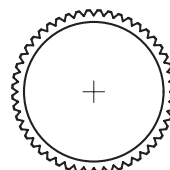
SIDE VIEW



SHELL SIZES:
10SL, 14S & 16S
6.35±0.13
0.250±.005
FOR .125 BAND



SHELL SIZES:
16-40
9.14±0.13
0.360±.005
FOR .240 BAND



SECTION A-A
(Shell teeth shown for clarity)

SCPB01SV* Environmental, no grommet

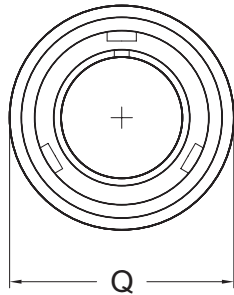
SHELL SIZE	FRONT VIEW	SIDE VIEW							
	Q	A	G	K	L	M	W	X	
	MAX	+0.00/+0.000 -0.15/-0.006	±0.2/±.008	±0.2/±.008	MAX	+0.4/+0.016 -0.0/-0.000	MIN	±0.4/±.016	
								.240 BAND	.120 BAND
10SL	22.5/0.886	18.2/0.717	16.1/0.632	2.8/0.110	33.53/1.320	14.2/0.559	12.1/0.475	-	5.8/0.230
14S	29.5/1.161	24.6/0.969	19.2/0.755	3.2/0.126	33.53/1.320	14.2/0.559	15.4/0.605	-	5.8/0.230
16S	31.5/1.240	27.4/1.079	22.4/0.880	3.2/0.126	33.53/1.320	14.2/0.559	18.7/0.735	-	5.8/0.230
16	31.5/1.240	27.4/1.079	22.4/0.880	3.2/0.126	42.80/1.685	19.0/0.748	18.7/0.735	3.7/0.145	-
18	34.5/1.358	30.8/1.213	25.5/1.005	4.0/0.157	42.80/1.685	19.0/0.748	21.9/0.860	3.7/0.145	-
20	37.5/1.476	34.2/1.346	28.7/1.130	4.0/0.157	42.80/1.685	19.0/0.748	24.8/0.975	3.7/0.145	-
22	40.5/1.594	37.4/1.472	31.9/1.255	4.0/0.157	42.80/1.685	19.0/0.748	28.1/1.105	3.7/0.145	-
24	44.5/1.752	40.9/1.610	35.1/1.380	4.0/0.157	42.80/1.685	20.6/0.811	31.2/1.230	3.7/0.145	-
28	50.0/1.969	46.7/1.839	41.4/1.630	4.0/0.157	43.82/1.725	20.6/0.811	35.9/1.415	4.7/0.185	-
32	56.5/2.224	53.4/2.102	47.8/1.880	4.0/0.157	43.82/1.725	22.2/0.874	43.1/1.695	4.7/0.185	-
36	63.0/2.480	59.6/2.346	52.5/2.067	4.0/0.157	43.82/1.725	22.2/0.874	48.0/1.890	4.7/0.185	-
40	69.0/2.717	65.5/2.579	58.9/2.317	4.0/0.157	43.82/1.725	22.2/0.874	53.8/2.120	4.7/0.185	-

DIMENSIONS IN *ITALIC* ARE INCHES.

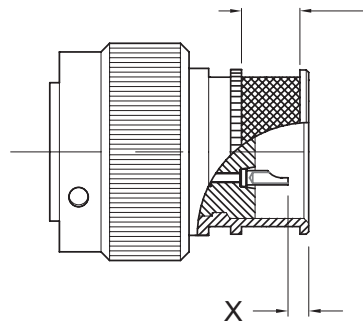
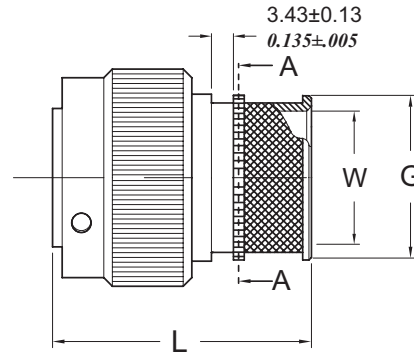
STRAIGHT PLUG **SCPB06SV***
 REVERSE BAYONET, SOLDER OR CRIMP CONTACTS (RUBBER RETENTION)

STRAIGHT PLUG WITH GROUNDING SPRING **SCPBG06SV***
 REVERSE BAYONET, SOLDER OR CRIMP CONTACTS (RUBBER RETENTION)

FRONT VIEW

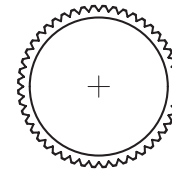


SIDE VIEW



SHELL SIZES:
 10SL, 14S & 16S
 6.35±0.13
 0.250±.005
 FOR .125 BAND

SHELL SIZES:
 16 -40
 9.14±0.13
 0.360±.005
 FOR .240 BAND



SECTION A-A
 (Shell teeth shown for clarity)

SCPB06SV* Environmental, no grommet

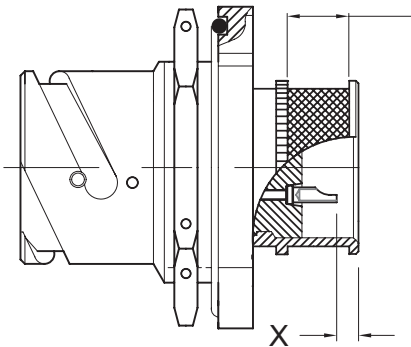
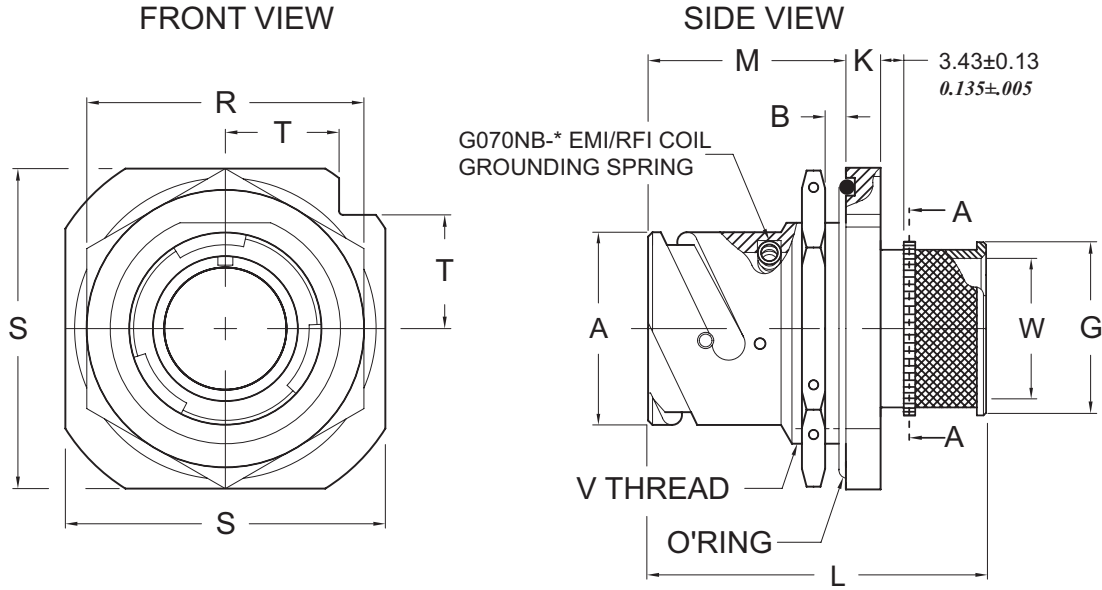
SCPBG06SV* Environmental, no grommet with grounding spring

SHELL SIZE	FRONT VIEW	SIDE VIEW				
	Q MAX	G ±0.2 / ±.008	L MAX	W MIN	X ±0.4±.016	
					.240 BAND	.125 BAND
10SL	22.8 / <i>0.898</i>	16.1 / <i>0.632</i>	35.56 / <i>1.400</i>	12.1 / <i>0.475</i>	-	7.9 / <i>0.310</i>
14S	29.2 / <i>1.150</i>	19.2 / <i>0.755</i>	35.56 / <i>1.400</i>	15.4 / <i>0.605</i>	-	7.9 / <i>0.310</i>
16S	32.0 / <i>1.260</i>	22.4 / <i>0.880</i>	35.56 / <i>1.400</i>	18.7 / <i>0.735</i>	-	7.9 / <i>0.310</i>
16	32.0 / <i>1.260</i>	22.4 / <i>0.880</i>	43.82 / <i>1.725</i>	18.7 / <i>0.735</i>	4.7 / <i>0.185</i>	-
18	36.5 / <i>1.437</i>	25.5 / <i>1.005</i>	43.82 / <i>1.725</i>	21.9 / <i>0.860</i>	4.7 / <i>0.185</i>	-
20	39.9 / <i>1.571</i>	28.7 / <i>1.130</i>	43.82 / <i>1.725</i>	24.8 / <i>0.975</i>	4.7 / <i>0.185</i>	-
22	43.1 / <i>1.697</i>	31.9 / <i>1.255</i>	43.82 / <i>1.725</i>	28.1 / <i>1.105</i>	4.7 / <i>0.185</i>	-
24	46.6 / <i>1.835</i>	35.1 / <i>1.380</i>	43.82 / <i>1.725</i>	31.2 / <i>1.230</i>	4.7 / <i>0.185</i>	-
28	53.4 / <i>2.102</i>	41.4 / <i>1.630</i>	43.82 / <i>1.725</i>	35.9 / <i>1.415</i>	4.7 / <i>0.185</i>	-
32	60.1 / <i>2.366</i>	47.8 / <i>1.880</i>	43.82 / <i>1.725</i>	43.1 / <i>1.695</i>	4.7 / <i>0.185</i>	-
36	66.3 / <i>2.610</i>	52.5 / <i>2.067</i>	43.82 / <i>1.725</i>	48.0 / <i>1.890</i>	4.7 / <i>0.185</i>	-
40	72.4 / <i>2.850</i>	58.9 / <i>2.317</i>	43.82 / <i>1.725</i>	53.8 / <i>2.120</i>	4.7 / <i>0.185</i>	-

DIMENSIONS IN *ITALIC* ARE INCHES.

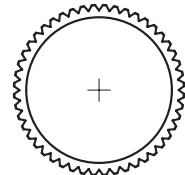
SCPB070SV* JAM NUT RECEPTACLE

REVERSE BAYONET, SOLDER OR CRIMP CONTACTS (RUBBER RETENTION)



SHELL SIZES:
10SL, 14S & 16S
 6.35±0.13
 0.250±.005
 FOR .125 BAND

SHELL SIZES:
16-40
 9.14±0.13
 0.360±.005
 FOR .240 BAND



SECTION A-A
 (Shell teeth shown for clarity)

SHELL SIZE	X ±0.4/±.016	
	.240 BAND	.125 BAND
10SL	-	13.60/ 0.535
14S	-	16.38/ 0.645
16S	-	16.38/ 0.645
16	13.21/ 0.520	-
18	14.73/ 0.580	-
20	14.73/ 0.580	-
22	14.73/ 0.580	-
24	14.73/ 0.580	-
28	17.00/ 0.670	-
32	17.00/ 0.670	-
36	17.00/ 0.670	-
40	17.00/ 0.670	-

SCPB070SV* Environmental, no grommet

SCPBG070SV* Environmental, no grommet with grounding spring

SHELL SIZE	FRONT VIEW			SIDE VIEW								
	R ±0.4/±.016	S ±0.3/±.012	T MAX.	A +0.00/+0.000 -0.15/-0.006	B PANEL THICKNESS		G MAX.	K ±0.2/±.008	L MAX.	M +0.4/+0.016 -0.0/-0.000	V THREAD CLASS 2A	W MIN.
					MIN.	MAX.						
10SL	27.0/1.063	31.8/1.252	11.2/0.441	18.2/0.717	2.4/0.094	5.2/0.205	16.1/0.632	4.0/0.157	41.3/1.625	24.5/0.965	7/8-20 UNEF	12.1/0.475
14S	33.0/1.299	41.3/1.626	14.6/0.575	24.6/0.969	2.4/0.094	7.5/0.295	19.2/0.755	4.8/0.189	44.1/1.735	26.8/1.055	1 1/8-18 UNEF	15.4/0.605
16S	38.1/1.500	44.4/1.748	15.7/0.618	27.4/1.079	2.4/0.094	7.5/0.295	22.4/0.880	4.8/0.189	44.1/1.735	26.8/1.055	1 1/4-18 UNEF	18.7/0.735
16	38.1/1.500	44.4/1.748	15.7/0.618	27.4/1.079	2.4/0.094	7.5/0.295	22.4/0.880	4.8/0.189	52.3/2.060	32.1/1.264	1 1/4-18 UNEF	18.7/0.735
18	39.7/1.563	47.6/1.874	16.8/0.661	30.8/1.213	2.4/0.094	9.0/0.354	25.5/1.005	4.8/0.189	53.8/2.120	33.7/1.327	1 3/8-18 UNEF	21.9/0.860
20	44.0/1.732	50.8/2.000	18.0/0.709	34.2/1.346	2.4/0.094	9.0/0.354	28.7/1.130	4.8/0.189	53.8/2.120	33.7/1.327	1 1/2-18 UNEF	24.8/0.975
22	46.0/1.811	57.2/2.252	20.2/0.795	37.4/1.472	2.4/0.094	9.1/0.358	31.9/1.255	4.8/0.189	53.8/2.120	33.7/1.327	1 5/8-18 UNEF	28.1/1.105
24	50.8/2.000	57.2/2.252	20.2/0.795	40.9/1.610	2.4/0.094	9.1/0.358	35.1/1.380	4.8/0.189	53.8/2.120	33.7/1.327	1 3/4-18 UNEF	31.2/1.230
28	55.0/2.165	63.5/2.500	22.5/0.886	46.7/1.839	2.4/0.094	8.5/0.335	41.4/1.630	5.6/0.220	56.1/2.210	35.2/1.386	2-18 UNS	35.9/1.415
32	62.0/2.441	69.8/2.748	24.7/0.972	53.4/2.102	2.4/0.094	6.5/0.256	47.8/1.880	5.6/0.220	56.1/2.210	35.2/1.386	2 1/4-16 UN	43.1/1.695
36	71.0/2.795	76.2/3.000	26.9/1.059	59.6/2.346	2.4/0.094	8.3/0.327	52.5/2.067	5.6/0.220	56.1/2.210	35.2/1.386	2 1/2-16 UN	48.0/1.890
40	75.0/2.953	83.5/3.287	29.6/1.165	65.5/2.579	2.4/0.094	8.3/0.327	58.9/2.317	5.6/0.220	56.1/2.210	35.2/1.386	2 3/4-16 UN	53.8/2.120

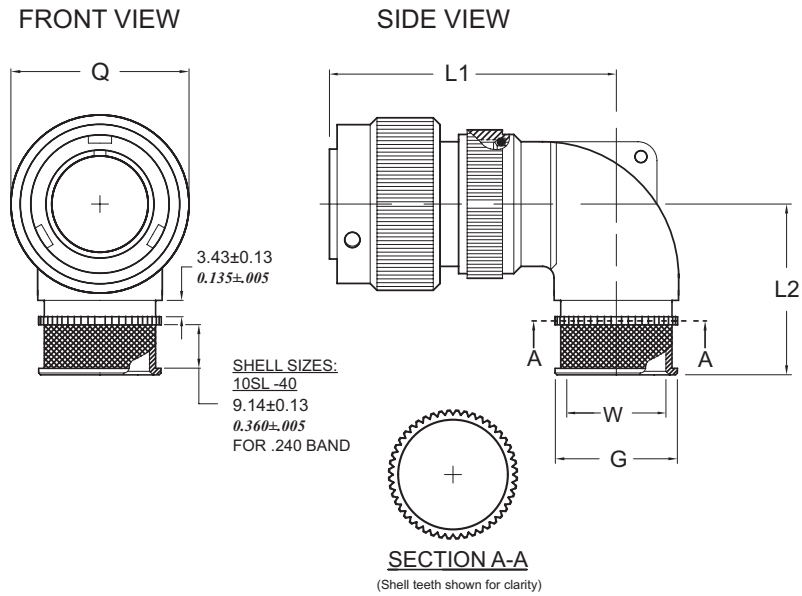
DIMENSIONS IN *ITALIC* ARE INCHES.

90° PLUG **SCPB08SV***

REVERSE BAYONET, SOLDER OR CRIMP CONTACTS (RUBBER RETENTION)

90° PLUG WITH GROUNDING SPRING **SCPBG08SV***

REVERSE BAYONET, SOLDER OR CRIMP CONTACTS (RUBBER RETENTION)



SCPB08SV* Environmental, no grommet

SCPBG08SV* Environmental, no grommet
with grounding spring

SHELL SIZE	FRONT VIEW	SIDE VIEW			
	Q MAX	L1 MAX	L2 MAX	G MAX	W MIN
10SL	22.8/ <i>0.898</i>	45.0/ <i>1.772</i>	30.0/ <i>1.181</i>	15.29/ <i>0.602</i>	10.77/ <i>0.424</i>
14S	29.2/ <i>1.150</i>	47.0/ <i>1.850</i>	30.0/ <i>1.181</i>	17.96/ <i>0.707</i>	11.81/ <i>0.465</i>
16S	32.0/ <i>1.260</i>	48.0/ <i>1.890</i>	30.0/ <i>1.181</i>	19.56/ <i>0.770</i>	14.73/ <i>0.580</i>
16	32.0/ <i>1.260</i>	57.0/ <i>2.244</i>	30.0/ <i>1.181</i>	19.56/ <i>0.770</i>	14.73/ <i>0.580</i>
18	36.5/ <i>1.437</i>	58.0/ <i>2.283</i>	35.0/ <i>1.378</i>	22.73/ <i>0.895</i>	17.40/ <i>0.685</i>
20	39.9/ <i>1.571</i>	61.0/ <i>2.402</i>	35.0/ <i>1.378</i>	25.40/ <i>1.000</i>	20.83/ <i>0.820</i>
22	43.1/ <i>1.697</i>	61.0/ <i>2.402</i>	35.0/ <i>1.378</i>	27.51/ <i>1.083</i>	23.11/ <i>0.910</i>
24	46.6/ <i>1.835</i>	66.0/ <i>2.598</i>	40.0/ <i>1.575</i>	30.86/ <i>1.215</i>	26.04/ <i>1.025</i>
28	53.4/ <i>2.102</i>	66.0/ <i>2.598</i>	40.0/ <i>1.575</i>	33.02/ <i>1.300</i>	28.85/ <i>1.136</i>
32	60.1/ <i>2.366</i>	72.0/ <i>2.835</i>	45.0/ <i>1.772</i>	CONSULT SALES	CONSULT SALES
36	66.3/ <i>2.610</i>	75.0/ <i>2.953</i>	50.0/ <i>1.969</i>		
40	72.4/ <i>2.850</i>	78.0/ <i>3.071</i>	55.0/ <i>2.165</i>		

DIMENSIONS IN *ITALIC* ARE INCHES.

MIL-DTL-5015 SERIES I - SOLDER CONTACTS

ORDERING INFORMATION

SCP L 06 SV S 28 - 21 P Y B3

SERIES PREFIX

SPECIAL FEATURES

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

SHELL STYLE

See Table II below.

BACKEND TERMINATION

- SV** Integrated backshell.

MATERIAL/FINISH

See Table I below.

SHELL SIZE

INSERT CONFIGURATION

See Catalog 102, Section 10A.

MODIFICATION

- A95** Contacts: .000010 gold over .000010 nickel.
 - B1** .245 Flat Band SCPSE-02F Included, Shell Sizes 16-40 (See page 1F-49)
 - B3** .242 Flat Band SCPBE-02F Included, Shell Sizes 16-40 (See page 1F-49)
 - B5** .118 Flat Band SCPSE-04F Included, Shell Sizes 10SL-16S (See page 1F-49)
 - B7** .120 Flat Band SCPBE-04F Included, Shell Sizes 10SL-16S (See page 1F-49)
 - F0** Less contacts.
 - F80** Crimp for AWG wire.
- For other codes, contact Sales Dept.

ALTERNATE POSITION (POLARIZATION)

- N** (normal), **W, X, Y, Z**.

CONTACT STYLE

- P** Pin contacts.
 - R1*** Socket with one (1) Spring. Sizes 8, 4, 1/0, 4/0. See Table IV below.
 - R2*** Socket with two (2) Springs. Sizes 8, 4, 1/0, 4/0. See Table IV below.
 - R3*** Socket with three (3) Springs. Sizes 8, 4, 1/0, 4/0. See Table IV below.
 - S** Socket contacts.
 - T** Pin for R1, R2 or R3 Sockets. See Table III below.
- * Low insertion force and high amperage.

INSERTS: Low smoke, self-extinguishing, halogen-free elastomeric material.

TABLE I. 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
U	Aluminum	Nickel teflon
V	Aluminum	Zinc nickel, black
Y	Aluminum	Zinc cobalt, olive drab color
Z	Aluminum	Zinc cobalt, black color

TABLE II. SHELL STYLE

SHELL STYLE	DESCRIPTION	SEE PAGE
00	Wall mount receptacle	1F-9
01	In-line receptacle	1F-10
04	Jam nut receptacle	1F-11
06	Straight plug	1F-12
G06	Straight plug with grounding spring on barrel	1F-12
08	90° plug	1F-13
G08	90° plug with grounding spring on barrel	1F-13

TABLE III. PIN CONTACTS

CONNECTOR ORDERING CODE	PART NUMBER	SIZE	FOR WIRE SIZE		RATING
			AWG	MM ²	
T	R10-7900-110	8	8	9	100 Amps
T	R10-8500-110	4	4	22	168 Amps
T	R10-9200-110	1/0	1/0	53	304 Amps
T	R10-9700-110	4/0	4/0	107	472 Amps

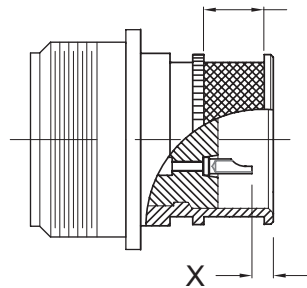
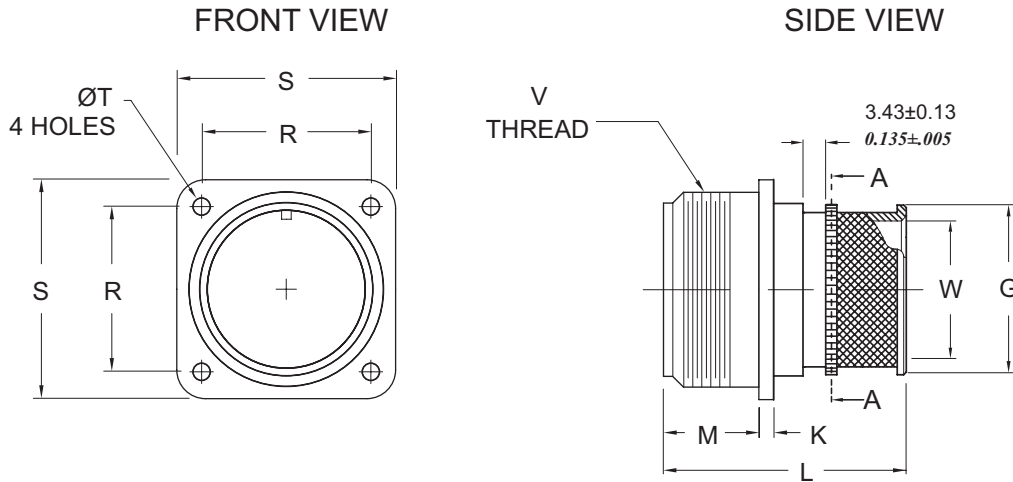
TABLE IV. SOCKET CONTACTS

CONNECTOR ORDERING CODE	SOCKET PART NUMBER	SIZE	FOR WIRE SIZE		SPRINGS	RATING
			AWG	MM ²		
R1	T10-7900-110-1	8	8	9	1	46 Amps
R2	T10-7900-110-2				2	73 Amps
R3	T10-7900-110-3				3	90 Amps
R1	T10-8500-110-1	4	4	22	1	80 Amps
R2	T10-8500-110-2				2	135 Amps
R3	T10-8500-110-3				3	168 Amps
R1	T10-9200-110-1	1/0	1/0	53	1	150 Amps
R2	T10-9200-110-2				2	245 Amps
R3	T10-9200-110-3				3	304 Amps
R1	T10-9795-110-1	4/0	4/0	107	1	225 Amps
R2	T10-9795-110-2				2	350 Amps
R3	T10-9795-110-3				3	500 Amps



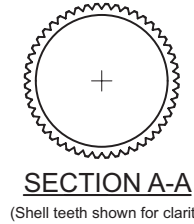
WALL MOUNT RECEPTACLE **SCPO0SV***

MIL-DTL-5015 SERIES I - SOLDER CONTACTS (MS3100)
CRIMP CONTACTS (SCP00*F80)



SHELL SIZES:
8S - 16S
6.35±0.13
0.250±.005
FOR .125 BAND

SHELL SIZES:
16 - 40
9.14±0.13
0.360±.005
FOR .240 BAND



SHELL SIZE	X ±0.4/±.016	
	.240 BAND	.125 BAND
8S	-	* / *
10SL	-	5.3 / 0.210
10S	-	* / *
12S	-	5.3 / 0.210
12	-	9.8 / 0.385
14S	-	5.3 / 0.210
14	-	9.8 / 0.385
16S	-	5.3 / 0.210
16	1.15 / 0.045	-
18	1.9 / 0.075	-
20	1.9 / 0.075	-
22	1.9 / 0.075	-
24	3.7 / 0.145	-
28	3.7 / 0.145	-
32	5.3 / 0.210	-
36	5.3 / 0.210	-
40	5.3 / 0.210	-

SCP00SV* Environmental, no grommet

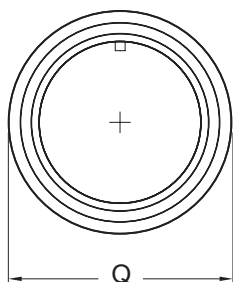
SHELL SIZE	FRONT VIEW			SIDE VIEW						
	R	S	T	G MAX	K		L MAX	M +0.79/+.031 -0.00/-0.000	W MIN	V THREAD CLASS 2A
	±0.13/±.005	±0.79/±.031	+0.25/+.010 -0.13/-0.005		MIN	MAX				
8S	15.09/0.594	22.22/0.875	3.05/0.120	* / *	1.57/0.062	3.96/0.156	* / *	14.27/0.562	* / *	.500-28 UNEF
10SL	18.26/0.719	25.40/1.000	3.05/0.120	16.1/0.632	1.57/0.062	3.96/0.156	33.02/1.300	14.27/0.562	12.1/0.475	.625-24 UNEF
10S	18.26/0.719	25.40/1.000	3.05/0.120	16.1/0.632	1.57/0.062	3.96/0.156	* / *	14.27/0.562	12.1/0.475	.625-24 UNEF
12S	20.62/0.812	27.79/1.094	3.05/0.120	16.1/0.632	1.57/0.062	3.96/0.156	33.02/1.300	14.27/0.562	12.1/0.475	.750-20 UNEF
12	20.62/0.812	27.79/1.094	3.05/0.120	16.1/0.632	1.57/0.062	3.96/0.156	37.47/1.475	19.05/0.750	12.1/0.475	.750-20 UNEF
14S	23.01/0.906	30.18/1.188	3.05/0.120	19.2/0.755	1.57/0.062	3.96/0.156	33.02/1.300	14.27/0.562	15.4/0.605	.875-20 UNEF
14	23.01/0.906	30.18/1.188	3.05/0.120	19.2/0.755	1.57/0.062	3.96/0.156	37.47/1.475	19.05/0.750	15.4/0.605	.875-20 UNEF
16S	24.61/0.969	32.54/1.281	3.05/0.120	22.4/0.880	1.57/0.062	3.96/0.156	33.02/1.300	14.27/0.562	18.7/0.735	1.000-20 UNEF
16	24.61/0.969	32.54/1.281	3.05/0.120	22.4/0.880	1.57/0.062	3.96/0.156	40.26/1.585	19.05/0.750	18.7/0.735	1.000-20 UNEF
18	26.97/1.062	34.92/1.375	3.05/0.120	25.5/1.005	2.39/0.094	5.16/0.203	41.02/1.615	19.05/0.750	21.9/0.860	1.125-18 UNEF
20	29.36/1.156	38.10/1.500	3.05/0.120	28.7/1.130	2.39/0.094	5.16/0.203	41.02/1.615	19.05/0.750	24.8/0.975	1.250-18 UNEF
22	31.75/1.250	41.27/1.625	3.05/0.120	31.9/1.255	2.39/0.094	5.16/0.203	41.02/1.615	19.05/0.750	28.1/1.105	1.375-18 UNEF
24	34.92/1.375	44.45/1.750	3.73/0.147	35.1/1.380	2.39/0.094	5.16/0.203	42.80/1.685	20.62/0.812	31.2/1.230	1.500-18 UNEF
28	39.67/1.562	50.80/2.000	3.73/0.147	41.4/1.630	2.39/0.094	5.16/0.203	42.80/1.685	20.62/0.812	35.9/1.415	1.750-18 UNS
32	44.45/1.750	57.15/2.250	4.39/0.173	47.8/1.880	3.17/0.125	9.12/0.359	44.45/1.750	22.22/0.875	43.1/1.695	2.000-18 UNS
36	49.23/1.938	63.50/2.500	4.39/0.173	52.5/2.067	3.17/0.125	9.12/0.359	44.45/1.750	22.22/0.875	48.0/1.890	2.250-16 UN
40	55.58/2.188	69.85/2.750	4.39/0.173	58.9/2.317	3.17/0.125	9.12/0.359	44.45/1.750	22.22/0.875	53.8/2.120	2.500-16 UN

DIMENSIONS IN *ITALIC* ARE INCHES.
* CONSULT FACTORY

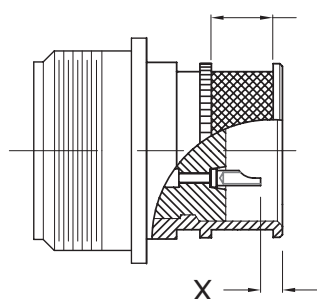
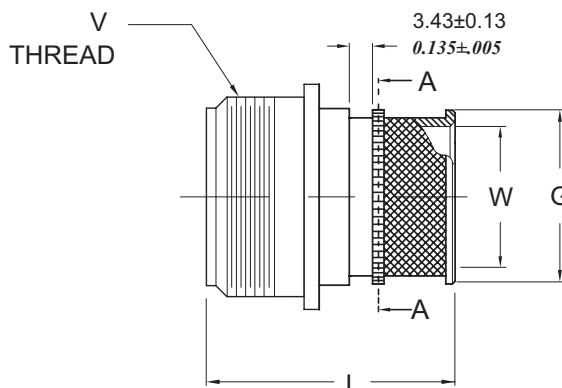
SCP01SV* IN-LINE RECEPTACLE

MIL-DTL-5015 SERIES I - SOLDER CONTACTS (MS3101)
CRIMP CONTACTS (SCP01*F80)

FRONT VIEW

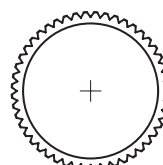


SIDE VIEW



SHELL SIZES:
8S - 16S
6.35±0.13
0.250±.005
FOR .125 BAND

SHELL SIZES:
16 - 40
9.14±0.13
0.360±.005
FOR .240 BAND



SECTION A-A
(Shell teeth shown for clarity)

SCP01SV* Environmental, no grommet

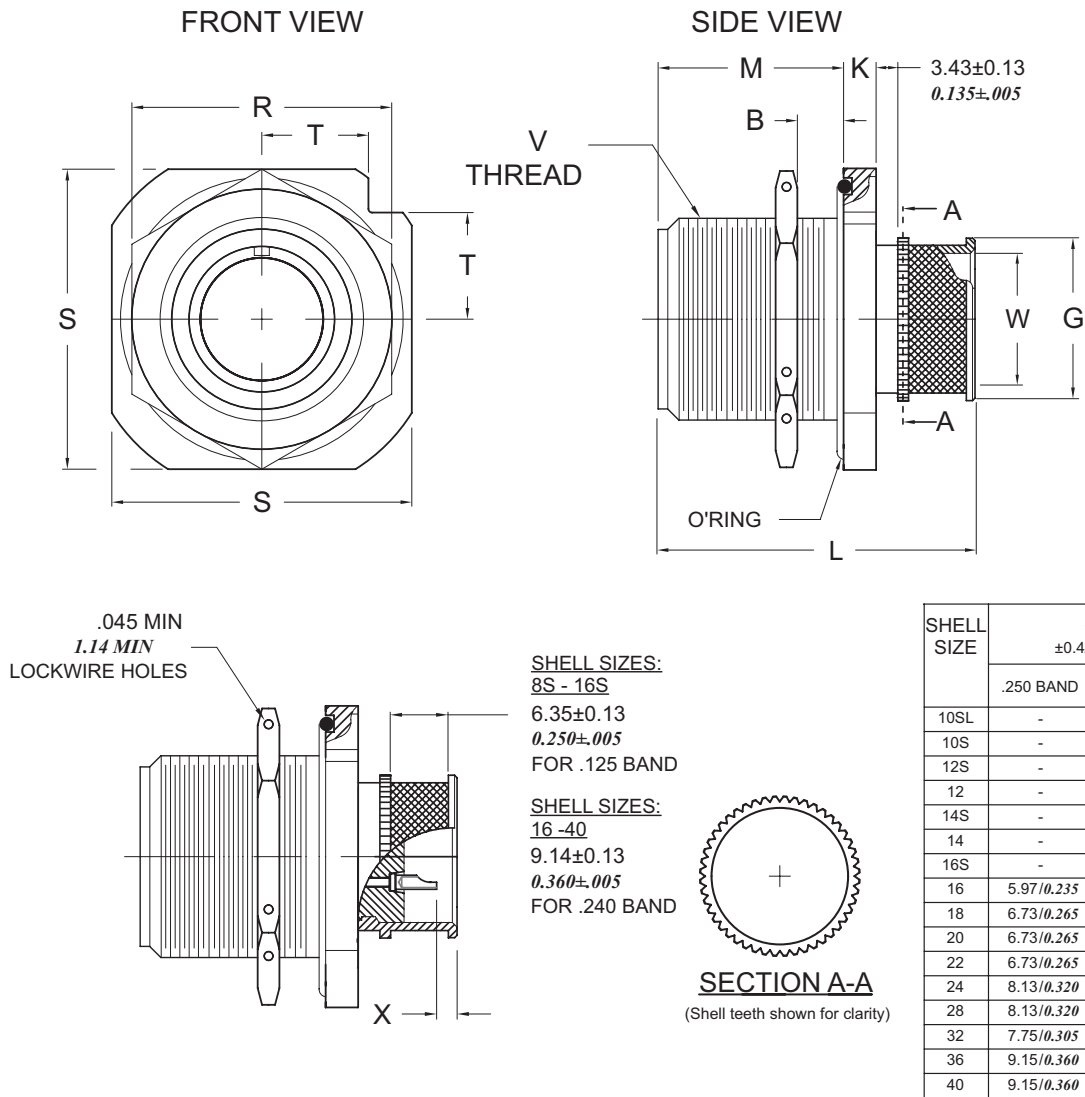
SHELL SIZE	FRONT VIEW	SIDE VIEW					
	Q	G	L	W	V	X	
	MAX	MAX	MAX	MIN	THREAD CLASS 2A	±0.4/±.016	
						.240 BAND	.120 BAND
8S	21.44/0.844	* / *	* / *	* / *	.500-28 UNEF	-	* / *
10SL	26.97/1.062	16.1/0.632	33.02/1.300	12.1/0.475	.625-24 UNEF	-	5.3/0.210
10S	24.61/0.969	16.1/0.632	* / *	12.1/0.475	.625-24 UNEF	-	* / *
12S	26.97/1.062	16.1/0.632	33.02/1.300	12.1/0.475	.750-20 UNEF	-	5.3/0.210
12	26.97/1.062	16.1/0.632	37.47/1.475	12.1/0.475	.750-20 UNEF	-	9.8/0.385
14S	29.36/1.156	19.2/0.755	33.02/1.300	15.4/0.605	.875-20 UNEF	-	5.3/0.210
14	29.36/1.156	19.2/0.755	37.47/1.475	15.4/0.605	.875-20 UNEF	-	9.8/0.385
16S	32.54/1.281	22.4/0.880	33.02/1.300	18.7/0.735	1.000-20 UNEF	-	5.3/0.210
16	32.54/1.281	22.4/0.880	40.26/1.585	18.7/0.735	1.000-20 UNEF	1.15/0.045	-
18	34.14/1.344	25.5/1.005	41.02/1.615	21.9/0.860	1.125-18 UNEF	1.9/0.075	-
20	38.10/1.500	28.7/1.130	41.02/1.615	24.8/0.975	1.250-18 UNEF	1.9/0.075	-
22	41.27/1.625	31.9/1.255	41.02/1.615	28.1/1.105	1.375-18 UNEF	1.9/0.075	-
24	44.45/1.750	35.1/1.380	42.80/1.685	31.2/1.230	1.500-18 UNEF	3.7/0.145	-
28	50.80/2.000	41.4/1.630	42.80/1.685	35.9/1.415	1.750-18 UNS	3.7/0.145	-
32	57.15/2.250	47.8/1.880	44.45/1.750	43.1/1.695	2.000-18 UNS	5.3/0.210	-
36	63.50/2.500	52.5/2.067	44.45/1.750	48.0/1.890	2.250-16 UN	5.3/0.210	-
40	69.85/2.750	58.9/2.317	44.45/1.750	53.8/2.120	2.500-16 UN	5.3/0.210	-

DIMENSIONS IN *ITALIC* ARE INCHES.
* CONSULT FACTORY



JAM NUT RECEPTACLE **SCP04SV***

MIL-DTL-5015 SERIES I - SOLDER CONTACTS
CRIMP CONTACTS (SCP04*F80)



SCP04SV* Environmental, no grommet

SHELL SIZE	FRONT VIEW			SIDE VIEW							
	R ±0.4/±.016	S ±0.25/±.010	T ±0.25/±.010	G MAX.	B PANEL THICKNESS		M ±0.25/±.010	K ±0.13/±.005	L MAX.	W MIN	V THREAD
					MIN.	MAX.					
10SL	20.62/0.812	25.40/1.000	8.99/0.354	16.1/0.632	0.0/0.000	5.00/0.197	20.47/0.806	3.18/0.125	36.2/1.425	12.1/0.475	.625-24 UNEF
10S	20.62/0.812	25.40/1.000	8.99/0.354	16.1/0.632	0.0/0.000	5.00/0.197	20.47/0.806	3.18/0.125	36.2/1.425	12.1/0.475	.625-24 UNEF
12S	23.83/0.938	28.58/1.125	10.08/0.397	16.1/0.632	0.0/0.000	5.00/0.197	20.47/0.806	3.18/0.125	36.2/1.425	12.1/0.475	.750-20 UNEF
12	23.83/0.938	28.58/1.125	10.08/0.397	16.1/0.632	0.0/0.000	5.00/0.197	26.80/1.055	3.18/0.125	42.5/1.675	12.1/0.475	.750-20 UNEF
14S	26.97/1.062	31.75/1.250	11.23/0.442	19.2/0.755	0.0/0.000	5.05/0.199	22.07/0.869	3.18/0.125	37.7/1.485	15.4/0.605	.875-20 UNEF
14	26.97/1.062	31.75/1.250	11.23/0.442	19.2/0.755	0.0/0.000	3.40/0.134	26.80/1.055	3.18/0.125	42.5/1.675	15.4/0.605	.875-20 UNEF
16S	31.75/1.250	34.93/1.375	12.34/0.486	22.4/0.880	0.0/0.000	5.05/0.199	22.07/0.869	3.18/0.125	37.7/1.485	18.7/0.735	1.000-20 UNEF
16	31.75/1.250	34.93/1.375	12.34/0.486	22.4/0.880	0.0/0.000	3.40/0.134	26.80/1.055	3.18/0.125	45.1/1.775	18.7/0.735	1.000-20 UNEF
18	33.32/1.312	41.28/1.625	14.61/0.575	25.5/1.005	0.0/0.000	3.40/0.134	26.80/1.055	3.96/0.156	45.9/1.805	21.9/0.860	1.125-18 UNEF
20	38.10/1.500	44.45/1.750	15.72/0.619	28.7/1.130	0.0/0.000	3.40/0.134	26.80/1.055	3.96/0.156	45.9/1.805	24.8/0.975	1.250-18 UNEF
22	39.67/1.562	47.63/1.875	16.84/0.663	31.9/1.255	0.0/0.000	3.40/0.134	26.80/1.055	3.96/0.156	45.9/1.805	28.1/1.105	1.375-18 UNEF
24	44.45/1.750	50.80/2.000	17.96/0.707	35.1/1.380	0.0/0.000	4.24/0.167	27.64/1.088	4.37/0.172	47.2/1.860	31.2/1.230	1.500-18 UNEF
28	50.80/2.000	57.15/2.250	20.19/0.795	41.4/1.630	0.0/0.000	4.24/0.167	27.64/1.088	4.37/0.172	47.2/1.860	35.9/1.415	1.750-18 UNS
32	55.58/2.188	63.50/2.500	22.45/0.884	47.8/1.880	0.0/0.000	3.43/0.135	26.82/1.056	4.78/0.188	46.7/1.845	43.1/1.695	2.000-18 UNS
36	61.93/2.438	69.85/2.750	24.69/0.972	52.5/2.067	0.0/0.000	4.22/0.166	28.40/1.118	4.78/0.188	48.3/1.900	48.0/1.890	2.250-16 UN
40	71.42/2.812	76.20/3.000	26.92/1.060	58.9/2.317	0.0/0.000	4.22/0.166	28.40/1.118	4.78/0.188	48.3/1.900	53.8/2.120	2.500-16 UN

DIMENSIONS IN *ITALIC* ARE INCHES.

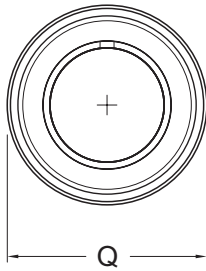
SCP06SV* STRAIGHT PLUG

SCPG06SV* STRAIGHT PLUG

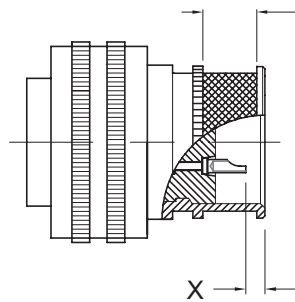
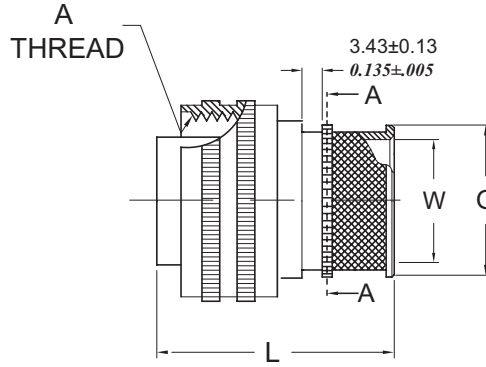
MIL-DTL-5015 SERIES I - SOLDER CONTACTS (MS3106)

CRIMP CONTACTS (SCP06*F80)

FRONT VIEW

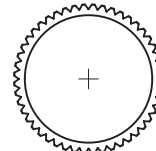


SIDE VIEW



SHELL SIZES:
8S - 16S
6.35±0.13
0.250±.005
FOR .125 BAND

SHELL SIZES:
16 -40
9.14±0.13
0.360±.005
FOR .240 BAND



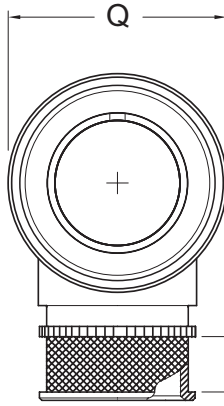
SECTION A-A
(Shell teeth shown for clarity)

SCP06SV* Environmental, no grommet
SCPG06SV* Environmental, no grommet with grounding spring

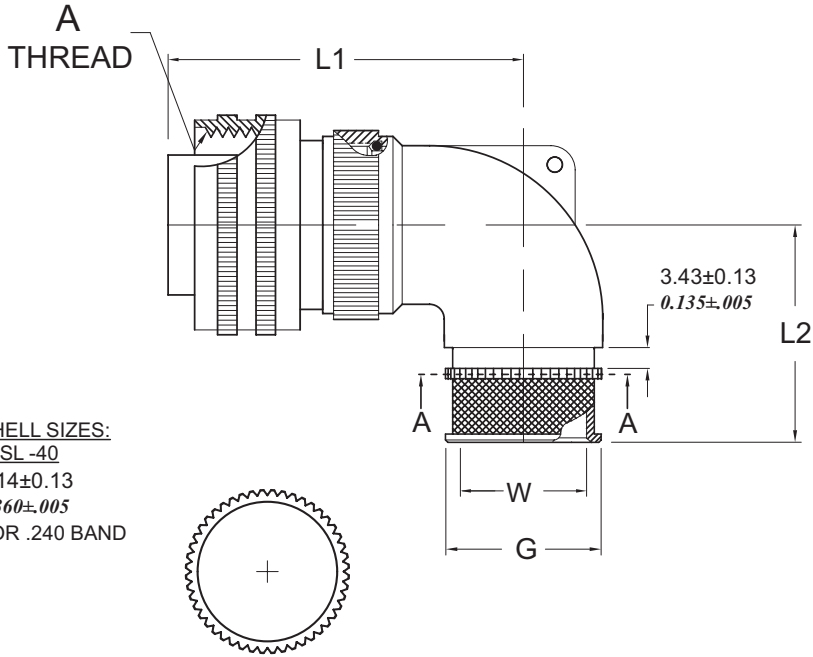
SHELL SIZE	FRONT VIEW	SIDE VIEW					
	Q	G	L	W	A	X	
	MAX	MAX	MAX	MIN	THREAD CLASS 2B	.250 BAND	.125 BAND
8S	21.44/0.844	* / *	* / *	* / *	.500-28 UNEF	-	* / *
10SL	24.61/0.969	16.1 / 0.632	35.56/ 1.400	12.1 / 0.475	.625-24 UNEF	-	7.9 / 0.310
10S	24.61/0.969	16.1 / 0.632	* / *	12.1 / 0.475	.625-24 UNEF	-	* / *
12S	26.97/1.062	16.1 / 0.632	35.56/ 1.400	12.1 / 0.475	.750-20 UNEF	-	7.9 / 0.310
12	26.97/1.062	16.1 / 0.632	40.64/ 1.600	12.1 / 0.475	.750-20 UNEF	-	12.9/ 0.510
14S	29.36/1.156	19.2 / 0.755	35.56/ 1.400	15.4 / 0.605	.875-20 UNEF	-	7.9 / 0.310
14	29.36/1.156	19.2 / 0.755	40.64/ 1.600	15.4 / 0.605	.875-20 UNEF	-	12.9/ 0.510
16S	31.75/1.250	22.4 / 0.880	35.56/ 1.400	18.7 / 0.735	1.000-20 UNEF	-	7.9 / 0.310
16	32.54/1.250	22.4 / 0.880	43.82/ 1.725	18.7 / 0.735	1.000-20 UNEF	4.7 / 0.185	-
18	34.14/1.344	25.5 / 1.005	43.82/ 1.725	21.9 / 0.860	1.125-18 UNEF	4.7 / 0.185	-
20	37.31/1.469	28.7 / 1.130	43.82/ 1.725	24.8 / 0.975	1.250-18 UNEF	4.7 / 0.185	-
22	40.49/1.594	31.9 / 1.255	43.82/ 1.725	28.1 / 1.105	1.375-18 UNEF	4.7 / 0.185	-
24	43.66/1.719	35.1 / 1.380	43.82/ 1.725	31.2 / 1.230	1.500-18 UNEF	4.7 / 0.185	-
28	50.01/1.969	41.4 / 1.630	43.82/ 1.725	35.9 / 1.415	1.750-18 UNS	4.7 / 0.185	-
32	56.36/2.219	47.8 / 1.880	43.82/ 1.725	43.1 / 1.695	2.000-18 UNS	4.7 / 0.185	-
36	62.71/2.469	52.5 / 2.067	43.82/ 1.725	48.0 / 1.890	2.250-16 UN	4.7 / 0.185	-
40	69.06/2.719	58.9 / 2.317	43.82/ 1.725	53.8 / 2.120	2.500-16 UN	4.7 / 0.185	-

DIMENSIONS IN *ITALIC* ARE INCHES.
 * CONSULT FACTORY

FRONT VIEW



SIDE VIEW



SHELL SIZES:
10SL-40
9.14±0.13
0.360±.005
FOR .240 BAND

SECTION A-A

(Shell teeth shown for clarity)

SCP08SV* Environmental, no grommet

SCPG08SV* Environmental, no grommet with grounding spring

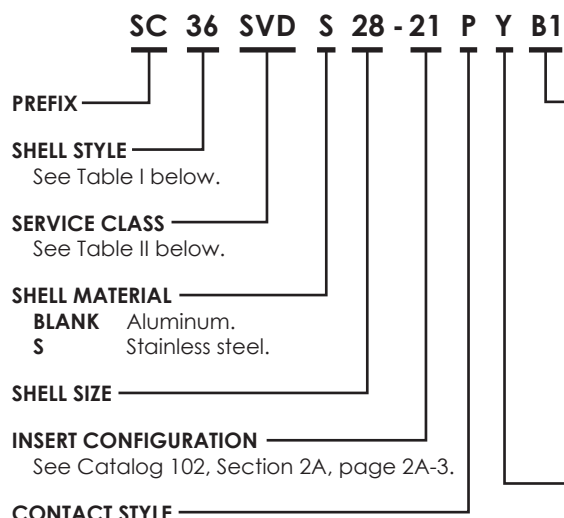
SHELL SIZE	FRONT VIEW	SIDE VIEW				
	Q MAX	G MAX	L1 MAX	L2 MAX	W MIN	A THREAD CLASS 2B
8S	21.44/ <i>0.844</i>	* / *	* / *	23.83/ <i>0.938</i>	* / *	.500-28 UNEF
10SL	24.61/ <i>0.969</i>	15.29/ <i>0.602</i>	48.26/ <i>1.900</i>	25.40/ <i>1.000</i>	10.77/ <i>0.424</i>	.625-24 UNEF
10S	24.61/ <i>0.969</i>	15.29/ <i>0.602</i>	* / *	25.40/ <i>1.000</i>	10.77/ <i>0.424</i>	.625-24 UNEF
12S	26.97/ <i>1.062</i>	15.29/ <i>0.602</i>	48.26/ <i>1.900</i>	26.97/ <i>1.062</i>	10.77/ <i>0.424</i>	.750-20 UNEF
12	26.97/ <i>1.062</i>	15.29/ <i>0.602</i>	55.88/ <i>2.200</i>	26.97/ <i>1.062</i>	10.77/ <i>0.424</i>	.750-20 UNEF
14S	29.36/ <i>1.156</i>	17.96/ <i>0.707</i>	50.80/ <i>2.000</i>	28.57/ <i>1.125</i>	11.81/ <i>0.465</i>	.875-20 UNEF
14	29.36/ <i>1.156</i>	17.96/ <i>0.707</i>	55.88/ <i>2.200</i>	28.57/ <i>1.125</i>	11.81/ <i>0.465</i>	.875-20 UNEF
16S	31.75/ <i>1.250</i>	19.56/ <i>0.770</i>	53.34/ <i>2.100</i>	30.18/ <i>1.188</i>	14.73/ <i>0.580</i>	1.000-20 UNEF
16	32.54/ <i>1.250</i>	19.56/ <i>0.770</i>	61.47/ <i>2.420</i>	30.18/ <i>1.188</i>	14.73/ <i>0.580</i>	1.000-20 UNEF
18	34.14/ <i>1.344</i>	22.73/ <i>0.895</i>	63.50/ <i>2.500</i>	33.32/ <i>1.312</i>	17.40/ <i>0.685</i>	1.125-18 UNEF
20	37.31/ <i>1.469</i>	25.40/ <i>1.000</i>	69.85/ <i>2.750</i>	34.92/ <i>1.375</i>	20.83/ <i>0.820</i>	1.250-18 UNEF
22	40.49/ <i>1.594</i>	27.51/ <i>1.083</i>	69.85/ <i>2.750</i>	34.92/ <i>1.375</i>	23.11/ <i>0.910</i>	1.375-18 UNEF
24	43.66/ <i>1.719</i>	30.86/ <i>1.215</i>	73.66/ <i>2.900</i>	39.67/ <i>1.562</i>	26.04/ <i>1.025</i>	1.500-18 UNEF
28	50.01/ <i>1.969</i>	33.02/ <i>1.300</i>	73.66/ <i>2.900</i>	39.67/ <i>1.562</i>	28.85/ <i>1.136</i>	1.750-18 UNS
32	56.36/ <i>2.219</i>	* / *	78.74/ <i>3.100</i>	47.62/ <i>1.875</i>	* / *	2.000-18 UNS
36	62.71/ <i>2.469</i>	* / *	81.28/ <i>3.200</i>	52.37/ <i>2.062</i>	* / *	2.250-16 UN
40	69.06/ <i>2.719</i>	* / *	83.82/ <i>3.300</i>	53.97/ <i>2.125</i>	* / *	2.500-16 UN

DIMENSIONS IN *ITALIC* ARE INCHES.

* CONSULT FACTORY

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

ORDERING INFORMATION



MODIFICATION

- B1** .245 Flat Band SCPSE-02F Included, Shell Sizes 16-40 (See page 1F-49)
 - B3** .242 Flat Band SCPBE-02F Included, Shell Sizes 16-40 (See page 1F-49)
 - B5** .118 Flat Band SCPSE-04F Included, Shell Sizes 10SL-16S (See page 1F-49)
 - B7** .120 Flat Band SCPBE-04F Included, Shell Sizes 10SL-16S (See page 1F-49)
 - 005** Black anodize.
 - 023** Electroless nickel.
 - 024** Zinc cobalt, olive drab color.
 - 025** Zinc cobalt, black color.
- For other codes, contact Sales Dept.

ALTERNATE POSITION (POLARIZATION)

BLANK (normal), W, X, Y, Z.

CONTACT STYLE

- A** Pin insert, less contacts.
 - B** Socket insert, less contacts.
 - P** Pin contacts.
 - R1*** Socket with one (1) Spring. Sizes 8, 4, 1/0, 4/0. See Table III below.
 - R2*** Socket with two (2) Springs. Sizes 8, 4, 1/0, 4/0. See Table III below.
 - R3*** Socket with three (3) Springs. Sizes 8, 4, 1/0, 4/0. See Table III below.
 - S** Socket contacts.
 - T** Pin for R1, R2 or R3 Sockets. See Table III below.
- * Low insertion force and high amperage.

TABLE I. SHELL STYLE

MS NO.	DESCRIPTION	SEE PAGE
SC30	Wall mount receptacle	1F-15
SC31	In-line receptacle	1F-16
SC34	Jam nut receptacle	1F-17
SC36	Straight plug	1F-18
SC37	Straight plug with self-locking coupling nut	1F-18

TABLE II. SERVICE CLASS/SHELL MATERIAL

CLASS	MATERIAL	FINISH	TEMPERATURE
SVD	Aluminum	Cadmium olive drab, 500 hr.	-55 + 175° C
SVLS	Stainless	Passivated	-55 + 200° C
SVT	Aluminum	Nickel teflon, non-reflective, 500 hr.	-55 + 175° C
SVZ	Aluminum	Zinc nickel, black, 500 hr.	-55 + 175° C
SV	Aluminum	Per modification code	-55 + 175° C

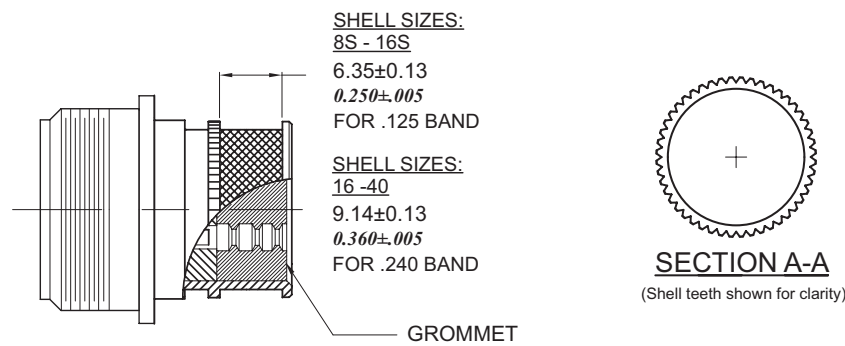
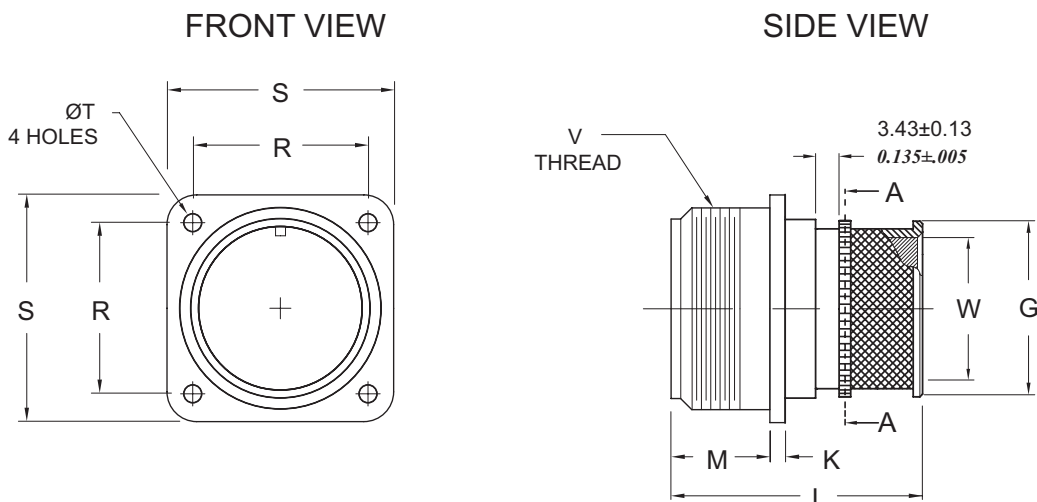
TABLE III. PIN & SOCKET CONTACTS

ORDERING CONNECTOR CODE	MILITARY	SOCKET	CONTACT SIZE	AWG	SPRINGS	RATING	ORDERING CONNECTOR CODE	MATING PIN
R1	M39029/45-298	T97-7900-110-1	8	8	1	46 Amps	T	R97-7900-110
R2		T97-7900-110-2			2	73 Amps		
R3		T97-7900-110-3			3	90 Amps		
R1	M39029/45-299	T97-8500-110-1	4	4	1	80 Amps	T	R97-8500-110
R2		T97-8500-110-2			2	135 Amps		
R3		T97-8500-110-3			3	168 Amps		
R1	M39029/45-300	T97-9200-110-1	1/0	1/0	1	150 Amps	T	R97-9200-110
R2		T97-9200-110-2			2	245 Amps		
R3		T97-9200-110-3			3	304 Amps		



WALL MOUNT RECEPTACLE **SC30SV***

MIL-DTL-5015 SERIES II - CRIMP FRONT RELEASE CONTACTS (MS3400)



SHELL SIZES:
8S - 16S
6.35±0.13
0.250±.005
FOR .125 BAND

SHELL SIZES:
16 - 40
9.14±0.13
0.360±.005
FOR .240 BAND

SC30SV* Environmental

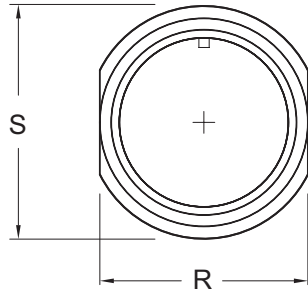
SHELL SIZE	FRONT VIEW				SIDE VIEW					
	R ±0.13/±.005	S ±0.79/±.031	T +0.25/+0.10 -0.13/-0.05		G MAX	K ±0.38/±.015	L MAX	M +0.79/+0.031 -0.00/-0.000	W ±0.13/±.005	V THREAD CLASS 2A
			CLASS							
			K	D,L,U,W						
8S	15.09/0.594	22.22/0.875	3.81/0.150	3.05/0.120	* / *	2.11/0.083	51.59/2.031	14.27/0.562	* / *	.500-28 UNEF
10SL	18.26/0.719	25.40/1.000	3.81/0.150	3.05/0.120	16.1/0.632	2.11/0.083	51.59/2.031	14.27/0.562	12.8/0.502	.625-24 UNEF
10S	18.26/0.719	25.40/1.000	3.81/0.150	3.05/0.120	16.1/0.632	2.11/0.083	51.59/2.031	14.27/0.562	12.8/0.502	.625-24 UNEF
12S	20.62/0.812	27.79/1.094	3.81/0.150	3.05/0.120	19.2/0.755	2.11/0.083	51.59/2.031	14.27/0.562	15.7/0.618	.750-20 UNEF
12	20.62/0.812	27.79/1.094	3.81/0.150	3.05/0.120	19.2/0.755	2.11/0.083	53.97/2.125	19.05/0.750	15.7/0.618	.750-20 UNEF
14S	23.01/0.906	30.18/1.188	3.81/0.150	3.05/0.120	22.4/0.880	2.11/0.083	51.59/2.031	14.27/0.562	18.9/0.743	.875-20 UNEF
14	23.01/0.906	30.18/1.188	3.81/0.150	3.05/0.120	22.4/0.880	2.11/0.083	53.97/2.125	19.05/0.750	18.9/0.743	.875-20 UNEF
16S	24.61/0.969	32.54/1.281	3.81/0.150	3.05/0.120	25.5/1.005	2.11/0.083	51.59/2.031	14.27/0.562	22.1/0.868	1.000-20 UNEF
16	24.61/0.969	32.54/1.281	3.81/0.150	3.05/0.120	25.5/1.005	2.11/0.083	63.50/2.500	19.05/0.750	22.1/0.868	1.000-20 UNEF
18	26.97/1.062	34.92/1.375	4.50/0.177	3.05/0.120	27.1/1.065	3.17/0.125	63.50/2.500	19.05/0.750	23.0/0.924	1.125-18 UNEF
20	29.36/1.156	38.10/1.500	4.50/0.177	3.05/0.120	30.2/1.190	3.17/0.125	63.50/2.500	19.05/0.750	26.6/1.049	1.250-18 UNEF
22	31.75/1.250	41.27/1.625	4.50/0.177	3.05/0.120	33.4/1.315	3.17/0.125	63.50/2.500	19.05/0.750	29.8/1.174	1.375-18 UNEF
24	34.92/1.375	44.45/1.750	4.50/0.177	3.73/0.147	36.6/1.440	3.17/0.125	63.50/2.500	20.62/0.812	33.0/1.299	1.500-18 UNEF
28	39.67/1.562	50.80/2.000	4.50/0.177	3.73/0.147	44.5/1.750	3.17/0.125	63.50/2.500	20.62/0.812	38.6/1.520	1.750-18 UNS
32	44.45/1.750	57.15/2.250	5.31/0.209	4.39/0.173	50.8/2.000	3.17/0.125	63.50/2.500	22.22/0.875	45.0/1.770	2.000-18 UNS
36	49.23/1.938	63.50/2.500	5.31/0.209	4.39/0.173	57.2/2.250	3.17/0.125	63.50/2.500	22.22/0.875	50.4/1.985	2.250-16 UN
40	55.58/2.188	69.85/2.750	5.31/0.209	4.39/0.173	63.5/2.500	3.17/0.125	63.50/2.500	22.22/0.875	55.9/2.200	2.500-16 UN

DIMENSIONS IN *ITALIC* ARE INCHES.
* CONSULT FACTORY

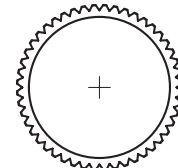
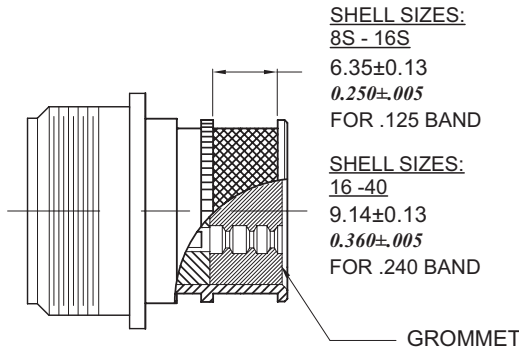
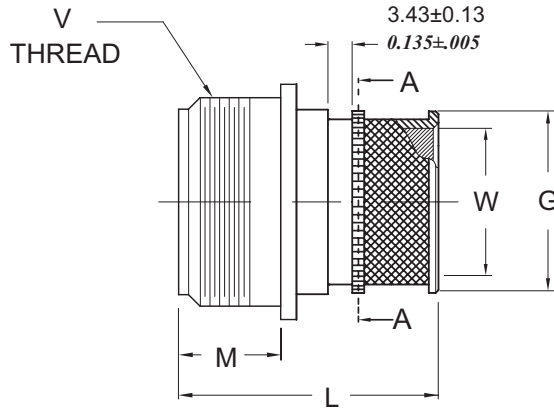
SC31SV* IN-LINE RECEPTACLE

MIL-DTL-5015 SERIES II - CRIMP FRONT RELEASE CONTACTS (MS3401)

FRONT VIEW



SIDE VIEW



SECTION A-A
(Shell teeth shown for clarity)

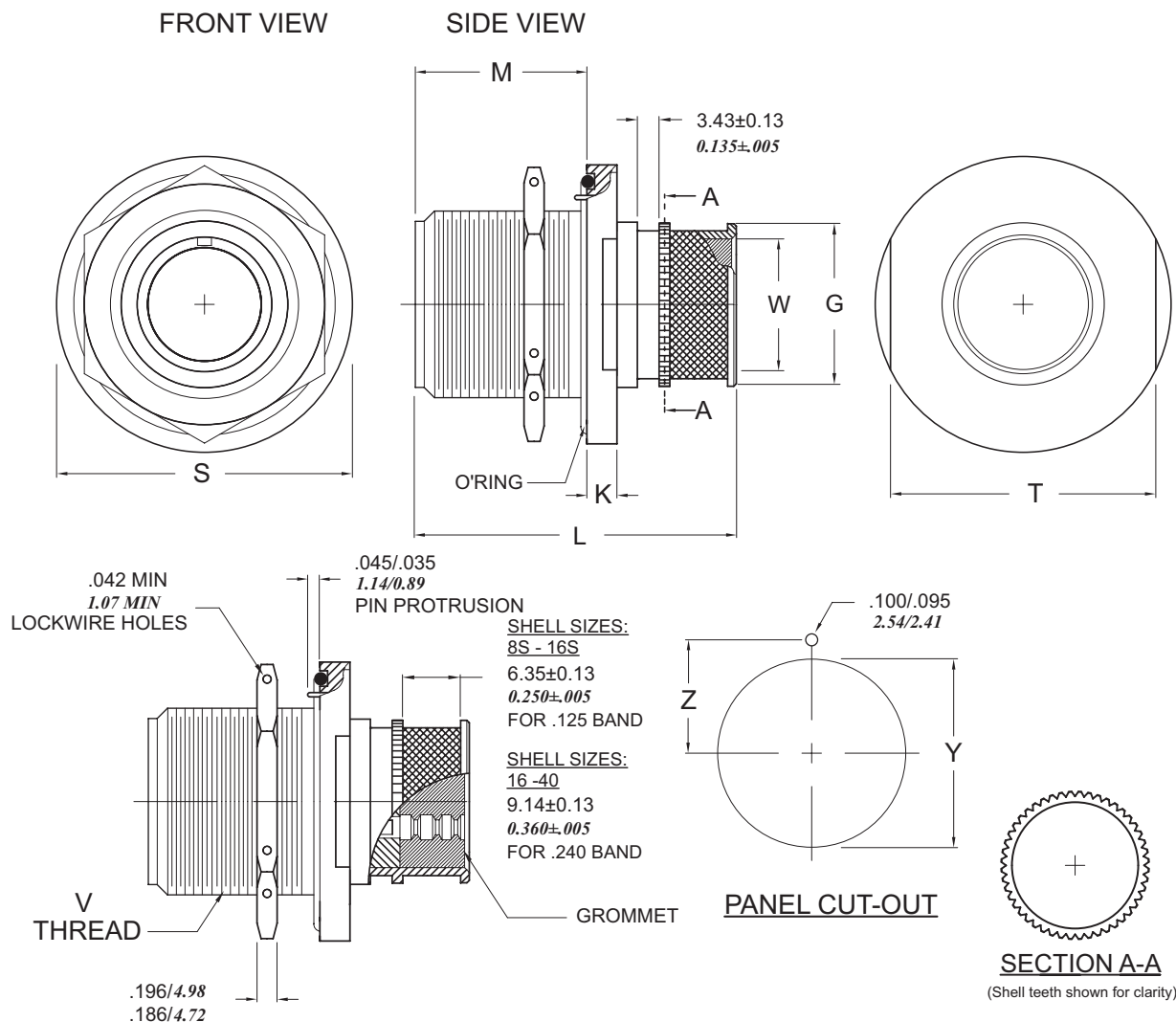
SC31SV* Environmental

SHELL SIZE	FRONT VIEW			SIDE VIEW				
	R		S ±0.79/±.031	G MAX	L MAX	M +0.79/+0.031 -0.00/-0.000	W ±0.13/±.005	V THREAD CLASS 2A
	MAX	MIN						
8S	12.80/0.504	12.60/0.496	18.52/0.729	* / *	51.59/2.031	14.27/0.562	* / *	.500-28 UNEF
10SL	15.98/0.629	15.77/0.621	21.69/0.854	16.1/0.632	51.59/2.031	14.27/0.562	12.8/0.502	.625-24 UNEF
10S	15.98/0.629	15.77/0.621	21.69/0.854	16.1/0.632	51.59/2.031	14.27/0.562	12.8/0.502	.625-24 UNEF
12S	19.15/0.754	18.95/0.746	24.74/0.974	19.2/0.755	51.59/2.031	14.27/0.562	15.7/0.618	.750-20 UNEF
12	19.15/0.754	18.95/0.746	24.74/0.974	19.2/0.755	53.97/2.125	19.05/0.750	15.7/0.618	.750-20 UNEF
14S	22.33/0.879	22.12/0.871	27.91/1.099	22.4/0.880	51.59/2.031	14.27/0.562	18.9/0.743	.875-20 UNEF
14	22.33/0.879	22.12/0.871	27.91/1.099	22.4/0.880	53.97/2.125	19.05/0.750	18.9/0.743	.875-20 UNEF
16S	25.53/1.005	25.30/0.996	31.09/1.224	25.5/1.005	51.59/2.031	14.27/0.562	22.1/0.868	1.000-20 UNEF
16	25.53/1.005	25.30/0.996	31.09/1.224	25.5/1.005	63.50/2.500	19.05/0.750	22.1/0.868	1.000-20 UNEF
18	28.73/1.131	28.47/1.121	34.26/1.349	27.1/1.065	63.50/2.500	19.05/0.750	23.5/0.924	1.125-18 UNEF
20	31.90/1.256	31.65/1.246	37.44/1.474	30.2/1.190	63.50/2.500	19.05/0.750	26.6/1.049	1.250-18 UNEF
22	35.08/1.381	34.82/1.371	40.61/1.599	33.4/1.315	63.50/2.500	19.05/0.750	29.8/1.174	1.375-18 UNEF
24	38.25/1.506	38.00/1.496	43.56/1.715	36.6/1.440	63.50/2.500	20.62/0.812	33.0/1.299	1.500-18 UNEF
28	44.60/1.756	44.35/1.746	50.14/1.974	44.5/1.750	63.50/2.500	20.62/0.812	38.6/1.520	1.750-18 UNS
32	50.98/2.007	50.70/1.996	56.49/2.224	50.8/2.000	63.50/2.500	22.22/0.875	45.0/1.770	2.000-18 UNS
36	57.33/2.257	57.05/2.246	62.84/2.474	57.2/2.250	63.50/2.500	22.22/0.875	50.4/1.985	2.250-16 UN
40	63.78/2.511	63.40/2.496	69.19/2.724	63.5/2.500	63.50/2.500	22.22/0.875	55.9/2.200	2.500-16 UN

DIMENSIONS IN *ITALIC* ARE INCHES.
* CONSULT FACTORY

JAM NUT RECEPTACLE **SC34SV***

MIL-DTL-5015 SERIES II - CRIMP FRONT RELEASE CONTACTS (MS3404)



SC34SV* Environmental

SHELL SIZE	FRONT VIEW		SIDE VIEW						PANEL CUT-OUT	
	S ±0.13/±.005	T ±0.25/±.010	G MAX	K ±0.13/±.005	L MAX	M ±0.13/±.005	W ±0.13/±.005	V THREAD CLASS 2A	Y +0.38/+.015 -0.00/-.000	Z ±0.13/±.005
8S	30.15/1.187	21.97/0.865	* / *	2.92/0.115	51.59/2.031	18.29/0.720	* / *	.500-28 UNEF	12.83/0.505	8.20 / 0.323
10SL	33.32/1.312	25.15/0.990	16.1/0.632	2.92/0.115	51.59/2.031	18.29/0.720	12.8/0.502	.625-24 UNEF	16.00/0.630	9.78 / 0.385
10S	33.32/1.312	25.15/0.990	16.1/0.632	2.92/0.115	51.59/2.031	18.29/0.720	12.8/0.502	.625-24 UNEF	16.00/0.630	9.78 / 0.385
12S	36.50/1.437	26.67/1.050	19.2/0.755	2.92/0.115	51.59/2.031	18.29/0.720	15.7/0.618	.750-20 UNEF	19.18/0.755	11.38/0.448
12	36.50/1.437	26.67/1.050	19.2/0.755	2.92/0.115	53.97/2.125	24.64/0.970	15.7/0.618	.750-20 UNEF	19.18/0.755	11.38/0.448
14S	39.67/1.562	29.84/1.175	22.4/0.880	2.92/0.115	51.59/2.031	18.29/0.720	18.9/0.743	.875-20 UNEF	22.35/0.880	12.95/0.510
14	39.67/1.562	29.84/1.175	22.4/0.880	2.92/0.115	53.97/2.125	24.64/0.970	18.9/0.743	.875-20 UNEF	22.35/0.880	12.95/0.510
16S	42.85/1.687	33.02/1.300	25.5/1.005	2.92/0.115	51.59/2.031	18.29/0.720	22.1/0.868	1.000-20 UNEF	25.53/1.005	14.55/0.573
16	42.85/1.687	33.02/1.300	25.5/1.005	2.92/0.115	63.50/2.500	24.64/0.970	22.1/0.868	1.000-20 UNEF	25.53/1.005	14.55/0.573
18	46.02/1.812	36.19/1.425	27.1/1.065	2.92/0.115	63.50/2.500	24.64/0.970	23.5/0.924	1.125-18 UNEF	28.70/1.130	16.13/0.635
20	49.20/1.937	39.37/1.550	30.2/1.190	3.68/0.145	63.50/2.500	24.64/0.970	26.6/1.049	1.250-18 UNEF	31.88/1.255	17.73/0.698
22	54.76/2.156	39.37/1.550	33.4/1.315	3.68/0.145	63.50/2.500	24.64/0.970	29.8/1.174	1.375-18 UNEF	35.05/1.380	19.30/0.760
24	57.94/2.281	45.72/1.800	36.6/1.440	3.68/0.145	63.50/2.500	24.64/0.970	33.0/1.299	1.500-18 UNEF	38.23/1.505	20.90/0.823
28	64.29/2.531	48.89/1.925	44.5/1.750	3.68/0.145	63.50/2.500	24.64/0.970	38.6/1.520	1.750-18 UNS	44.58/1.755	24.08/0.948
32	70.64/2.781	55.24/2.175	50.8/2.000	3.68/0.145	63.50/2.500	24.64/0.970	45.0/1.770	2.000-18 UNS	50.93/2.005	27.25/1.073
36	76.99/3.031	64.77/2.550	57.2/2.250	3.68/0.145	63.50/2.500	24.64/0.970	50.4/1.985	2.250-16 UN	57.28/2.255	30.43/1.198
40	83.34/3.281	71.12/2.800	63.5/2.500	3.68/0.145	63.50/2.500	24.64/0.970	55.9/2.200	2.500-16 UN	63.63/2.505	33.60/1.323

DIMENSIONS IN *ITALIC* ARE INCHES.
* CONSULT FACTORY

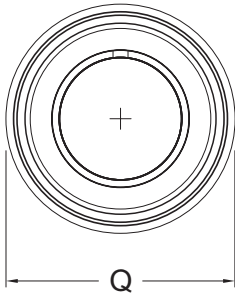
SC36SV* STRAIGHT PLUG

MIL-DTL-5015 SERIES II - CRIMP FRONT RELEASE CONTACTS (MS3406)

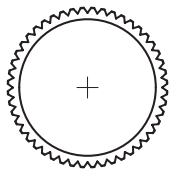
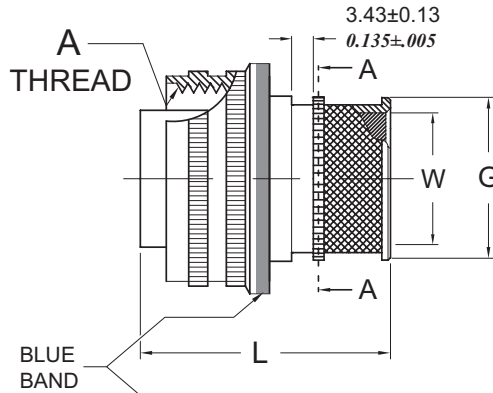
SC37SV* SELF-LOCKING STRAIGHT PLUG

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

FRONT VIEW



SIDE VIEW



SECTION A-A

(Shell teeth shown for clarity)

SHELL SIZES:

8S - 16S

6.35±0.13

0.250±.005

FOR .125 BAND

SHELL SIZES:

16 -40

9.14±0.13

0.360±.005

FOR .240 BAND

GROMMET

SC36SV*

SC37SV*

Environmental, with grommet

Environmental, with grommet and

self-locking coupling nut

SHELL SIZE	FRONT VIEW		SIDE VIEW			
	36SV*	37SV*	G	L	W	A
	Q	Q	G	L	W	A
	MAX	MAX	MAX	MAX	±0.13±.005	THREAD CLASS 2B
8S	21.44/0.844	24.46/0.963	* / *	51.59/2.031	* / *	.500-28 UNEF
10SL	24.61/0.969	27.64/1.088	16.1/0.632	51.59/2.031	12.8/0.502	.625-24 UNEF
10S	24.61/0.969	27.64/1.088	16.1/0.632	51.59/2.031	12.8/0.502	.625-24 UNEF
12S	26.97/1.062	30.81/1.213	19.2/0.755	51.59/2.031	15.7/0.618	.750-20 UNEF
12	26.97/1.062	30.81/1.213	19.2/0.755	53.97/2.125	15.7/0.618	.750-20 UNEF
14S	29.36/1.156	34.49/1.358	22.4/0.880	51.59/2.031	18.9/0.743	.875-20 UNEF
14	29.36/1.156	34.49/1.358	22.4/0.880	53.97/2.125	18.9/0.743	.875-20 UNEF
16S	31.75/1.250	37.16/1.463	25.5/1.005	51.59/2.031	22.1/0.868	1.000-20 UNEF
16	31.75/1.250	37.16/1.463	25.5/1.005	63.50/2.500	22.1/0.868	1.000-20 UNEF
18	34.14/1.344	40.34/1.588	27.1/1.065	63.50/2.500	23.5/0.924	1.125-18 UNEF
20	37.31/1.469	43.51/1.713	30.2/1.190	63.50/2.500	26.6/1.049	1.250-18 UNEF
22	40.49/1.594	45.42/1.788	33.4/1.315	63.50/2.500	29.8/1.174	1.375-18 UNEF
24	43.66/1.719	49.86/1.963	36.6/1.440	63.50/2.500	33.0/1.299	1.500-18 UNEF
28	50.01/1.969	56.21/2.213	44.5/1.750	63.50/2.500	38.6/1.520	1.750-18 UNS
32	56.36/2.219	62.56/2.463	50.8/2.000	63.50/2.500	45.0/1.770	2.000-18 UNS
36	62.71/2.469	68.91/2.713	57.2/2.250	63.50/2.500	50.4/1.985	2.250-16 UN
40	69.06/2.719	75.26/2.963	63.5/2.500	63.50/2.500	55.9/2.200	2.500-16 UN

DIMENSIONS IN *ITALIC* ARE INCHES.

* CONSULT FACTORY



CRIMP REAR RELEASE CONTACTS **MIL-DTL-5015** SERIES III ORDERING INFORMATION

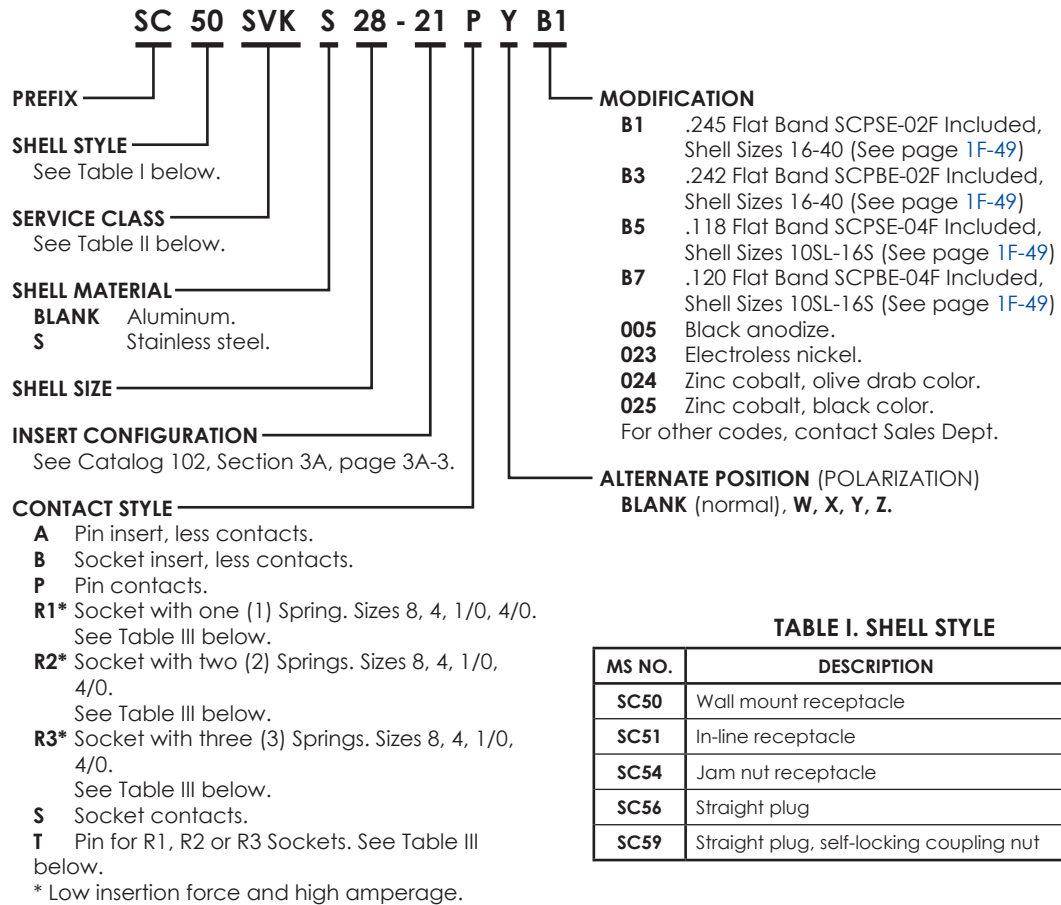


TABLE I. SHELL STYLE

MS NO.	DESCRIPTION	SEE PAGE
SC50	Wall mount receptacle	1F-20
SC51	In-line receptacle	1F-21
SC54	Jam nut receptacle	1F-22
SC56	Straight plug	1F-23
SC59	Straight plug, self-locking coupling nut	1F-23

TABLE II. SERVICE CLASS/SHELL MATERIAL

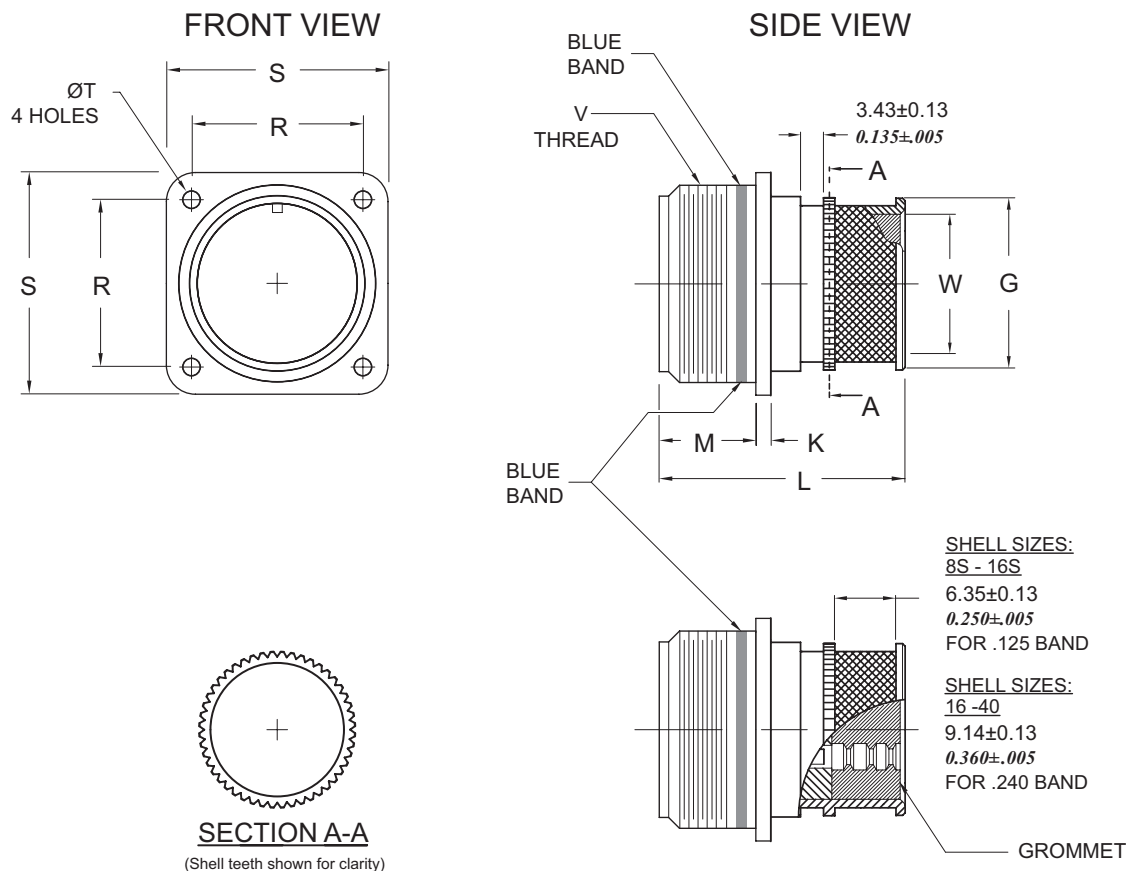
CLASS	MATERIAL	FINISH	TEMPERATURE
SVK	Stainless	Passivated	-55, + 175° C
SVL	Aluminum	Electroless nickel	-55, + 200° C
SVT	Aluminum	Nickel teflon, non-reflective, 500 hr.	-55, + 175° C
SVW	Aluminum	Cadmium olive drab, 500 hr.	-55, + 175° C
SVZ	Aluminum	Zinc nickel, black, 500 hr.	-55, + 175° C
SV	Aluminum	Per modification code	-55 + 175° C

TABLE III. PIN & SOCKET CONTACTS

ORDERING CONNECTOR CODE	MILITARY	SOCKET	CONTACT SIZE	AWG	SPRINGS	RATING	ORDERING CONNECTOR CODE	MATING PIN
R1	M39029/45-298	T97-7900-110-1	8	8	1	46 Amps	T	R97-7900-110
R2		T97-7900-110-2			2	73 Amps		
R3		T97-7900-110-3			3	90 Amps		
R1	M39029/45-299	T97-8500-110-1	4	4	1	80 Amps	T	R97-8500-110
R2		T97-8500-110-2			2	135 Amps		
R3		T97-8500-110-3			3	168 Amps		
R1	M39029/45-300	T97-9200-110-1	1/0	1/0	1	150 Amps	T	R97-9200-110
R2		T97-9200-110-2			2	245 Amps		
R3		T97-9200-110-3			3	304 Amps		

SC50SV* WALL MOUNT RECEPTACLE

MIL-DTL-5015 SERIES III - CRIMP REAR RELEASE CONTACTS (MS3450)



SC50SV* Environmental

SHELL SIZE	FRONT VIEW				SIDE VIEW					
	R ±0.13/±.005	S ±0.79/±.031	T +0.25/+0.10 -0.13/-0.005		G MAX	K ±0.38/±.015	L MAX	M +0.79/+0.031 -0.00/-0.000	W ±0.13/±.005	V THREAD CLASS 2A
			CLASS							
			K	D,L,U,W						
8S	15.09/0.594	22.22/0.875	3.81/0.150	3.05/0.120	* / *	2.11/0.083	51.59/2.031	14.27/0.562	* / *	.500-28 UNEF
10SL	18.26/0.719	25.40/1.000	3.81/0.150	3.05/0.120	16.1/0.632	2.11/0.083	51.59/2.031	14.27/0.562	12.8/0.502	.625-24 UNEF
10S	18.26/0.719	25.40/1.000	3.81/0.150	3.05/0.120	16.1/0.632	2.11/0.083	51.59/2.031	14.27/0.562	12.8/0.502	.625-24 UNEF
12S	20.62/0.812	27.79/1.094	3.81/0.150	3.05/0.120	19.2/0.755	2.11/0.083	51.59/2.031	14.27/0.562	15.7/0.618	.750-20 UNEF
12	20.62/0.812	27.79/1.094	3.81/0.150	3.05/0.120	19.2/0.755	2.11/0.083	53.97/2.125	19.05/0.750	15.7/0.618	.750-20 UNEF
14S	23.01/0.906	30.18/1.188	3.81/0.150	3.05/0.120	22.4/0.880	2.11/0.083	51.59/2.031	14.27/0.562	18.9/0.743	.875-20 UNEF
14	23.01/0.906	30.18/1.188	3.81/0.150	3.05/0.120	22.4/0.880	2.11/0.083	53.97/2.125	19.05/0.750	18.9/0.743	.875-20 UNEF
16S	24.61/0.969	32.54/1.281	3.81/0.150	3.05/0.120	25.5/1.005	2.11/0.083	51.59/2.031	14.27/0.562	22.1/0.868	1.000-20 UNEF
16	24.61/0.969	32.54/1.281	3.81/0.150	3.05/0.120	25.5/1.005	2.11/0.083	63.50/2.500	19.05/0.750	22.1/0.868	1.000-20 UNEF
18	26.97/1.062	34.92/1.375	4.50/0.177	3.05/0.120	27.1/1.065	3.17/0.125	63.50/2.500	19.05/0.750	23.5/0.924	1.125-18 UNEF
20	29.36/1.156	38.10/1.500	4.50/0.177	3.05/0.120	30.2/1.190	3.17/0.125	63.50/2.500	19.05/0.750	26.6/1.049	1.250-18 UNEF
22	31.75/1.250	41.27/1.625	4.50/0.177	3.05/0.120	33.4/1.315	3.17/0.125	63.50/2.500	19.05/0.750	29.8/1.174	1.375-18 UNEF
24	34.92/1.375	44.45/1.750	4.50/0.177	3.73/0.147	36.6/1.440	3.17/0.125	63.50/2.500	20.62/0.812	33.0/1.299	1.500-18 UNEF
28	39.67/1.562	50.80/2.000	4.50/0.177	3.73/0.147	44.5/1.750	3.17/0.125	63.50/2.500	20.62/0.812	38.6/1.520	1.750-18 UNS
32	44.45/1.750	57.15/2.250	5.31/0.209	4.39/0.173	50.8/2.000	3.17/0.125	63.50/2.500	22.22/0.875	45.0/1.770	2.000-18 UNS
36	49.23/1.938	63.50/2.500	5.31/0.209	4.39/0.173	57.2/2.250	3.17/0.125	63.50/2.500	22.22/0.875	50.4/1.985	2.250-16 UN
40	55.58/2.188	69.85/2.750	5.31/0.209	4.39/0.173	63.5/2.500	3.17/0.125	63.50/2.500	22.22/0.875	55.9/2.200	2.500-16 UN

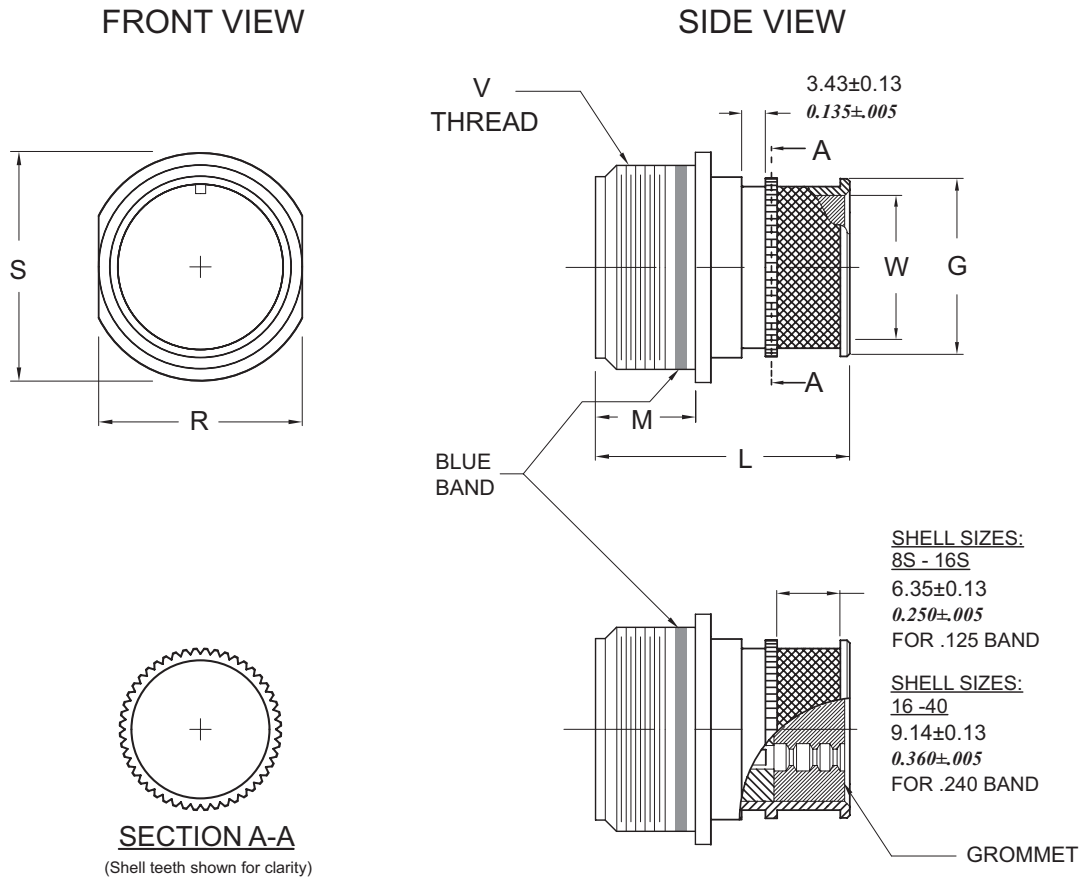
DIMENSIONS IN *ITALIC* ARE INCHES.

* CONSULT FACTORY



IN-LINE RECEPTACLE **SC51SV***

MIL-DTL-5015 SERIES III - CRIMP REAR RELEASE CONTACTS (MS3451)



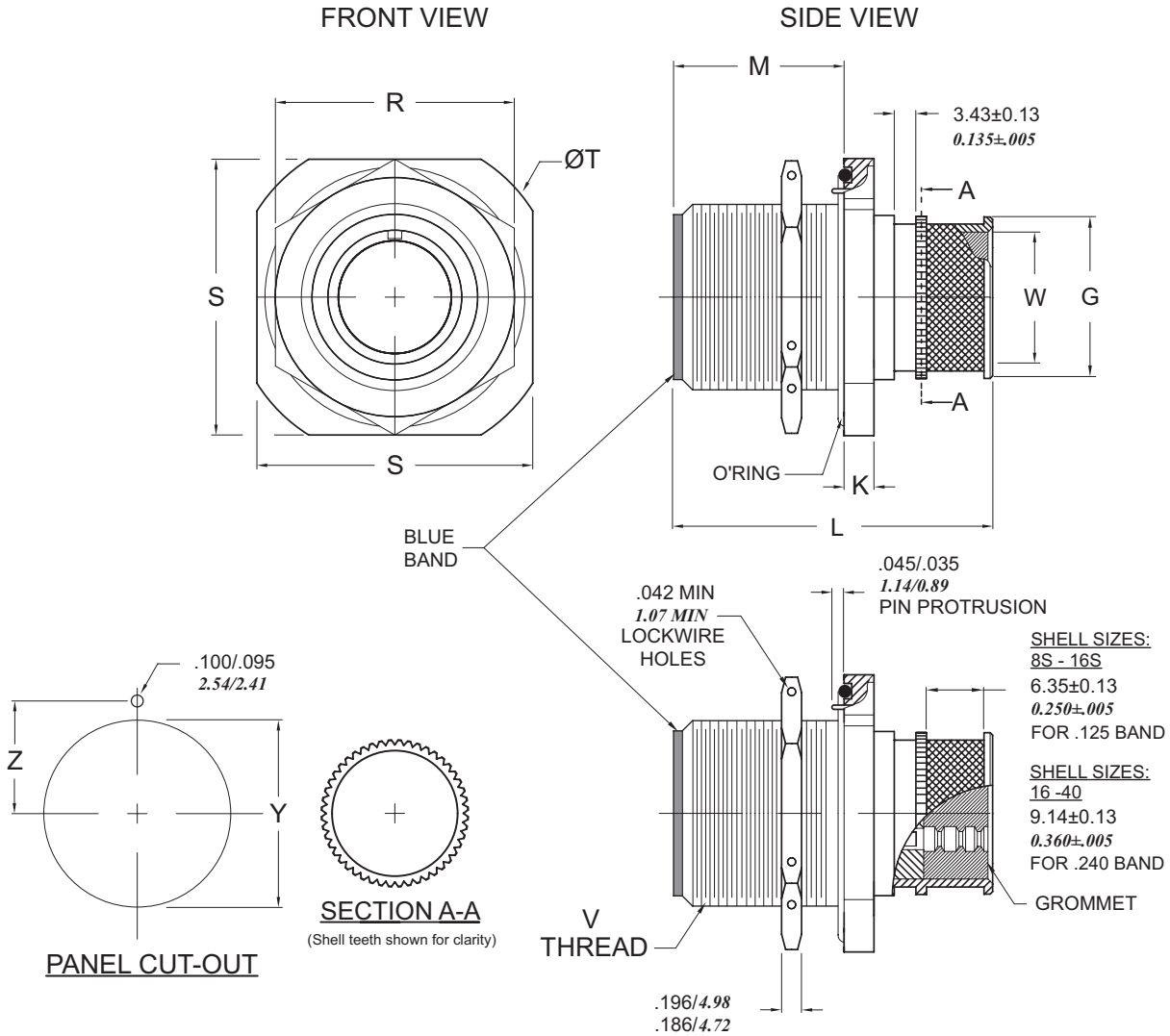
SC51SV* Environmental

SHELL SIZE	FRONT VIEW		SIDE VIEW					
	R		S	G	L	M	W	V
	MAX	MIN	±0.79±.031	MAX	MAX	+0.79/+0.031 -0.00/-0.000	±0.13±.005	THREAD CLASS 2A
8S	12.80/0.504	12.60/0.496	18.52/0.729	* / *	51.59/2.031	14.27/0.562	* / *	.500-28 UNEF
10SL	15.98/0.629	15.77/0.621	21.69/0.854	16.1 / 0.632	51.59/2.031	14.27/0.562	12.8/0.502	.625-24 UNEF
10S	15.98/0.629	15.77/0.621	21.69/0.854	16.1 / 0.632	51.59/2.031	14.27/0.562	12.8/0.502	.625-24 UNEF
12S	19.15/0.754	18.95/0.746	24.74/0.974	19.2 / 0.755	51.59/2.031	14.27/0.562	15.7/0.618	.750-20 UNEF
12	19.15/0.754	18.95/0.746	24.74/0.974	19.2 / 0.755	53.97/2.125	19.05/0.750	15.7/0.618	.750-20 UNEF
14S	22.33/0.879	22.12/0.871	27.91/1.099	22.4 / 0.880	51.59/2.031	14.27/0.562	18.9/0.743	.875-20 UNEF
14	22.33/0.879	22.12/0.871	27.91/1.099	22.4 / 0.880	53.97/2.125	19.05/0.750	18.9/0.743	.875-20 UNEF
16S	25.53/1.005	25.30/0.996	31.09/1.224	25.5 / 1.005	51.59/2.031	14.27/0.562	22.1/0.868	1.000-20 UNEF
16	25.53/1.005	25.30/0.996	31.09/1.224	25.5 / 1.005	63.50/2.500	19.05/0.750	22.1/0.868	1.000-20 UNEF
18	28.73/1.131	28.47/1.121	34.26/1.349	27.1 / 1.065	63.50/2.500	19.05/0.750	23.5/0.924	1.125-18 UNEF
20	31.90/1.256	31.65/1.246	37.44/1.474	30.2 / 1.190	63.50/2.500	19.05/0.750	26.6/1.049	1.250-18 UNEF
22	35.08/1.381	34.82/1.371	40.61/1.599	33.4 / 1.315	63.50/2.500	19.05/0.750	29.8/1.174	1.375-18 UNEF
24	38.25/1.506	38.00/1.496	43.56/1.715	36.6 / 1.440	63.50/2.500	20.62/0.812	33.0/1.299	1.500-18 UNEF
28	44.60/1.756	44.35/1.746	50.14/1.974	44.5 / 1.750	63.50/2.500	20.62/0.812	38.6/1.520	1.750-18 UNS
32	50.98/2.007	50.70/1.996	56.49/2.224	50.8 / 2.000	63.50/2.500	22.22/0.875	45.0/1.770	2.000-18 UNS
36	57.33/2.257	57.05/2.246	62.84/2.474	57.2 / 2.250	63.50/2.500	22.22/0.875	50.4/1.985	2.250-16 UN
40	63.78/2.511	63.40/2.496	69.19/2.724	63.5 / 2.500	63.50/2.500	22.22/0.875	55.9/2.200	2.500-16 UN

DIMENSIONS IN *ITALIC* ARE INCHES.
 * CONSULT FACTORY

SC54SV* JAM NUT RECEPTACLE

MIL-DTL-5015 SERIES III - CRIMP REAR RELEASE CONTACTS (MS3454)



SC54SV* Environmental

SHELL SIZE	FRONT VIEW			SIDE VIEW						PANEL CUT-OUT	
	R ±0.25/±.010	S ±0.13/±.005	T ±0.13/±.005	G MAX	K ±0.13/±.005	L MAX	M ±0.13/±.005	W ±0.13/±.005	V THREAD CLASS 2A	Y +0.38/+.015 -0.00/-0.000	Z ±0.13/±.005
8S	17.45/0.687	30.15/1.187	32.31/1.272	* / *	2.92/0.115	51.59/2.031	18.29/0.720	* / *	500-28 UNEF	12.83/0.505	8.20 / 0.323
10SL	20.62/0.812	33.32/1.312	35.48/1.397	16.1 / 0.632	2.92/0.115	51.59/2.031	18.29/0.720	12.8/0.502	.625-24 UNEF	16.00/0.630	9.78 / 0.385
10S	20.62/0.812	33.32/1.312	35.48/1.397	16.1 / 0.632	2.92/0.115	51.59/2.031	18.29/0.720	12.8/0.502	.625-24 UNEF	16.00/0.630	9.78 / 0.385
12S	23.80/0.937	36.50/1.437	38.66/1.522	19.2 / 0.755	2.92/0.115	51.59/2.031	18.29/0.720	15.7/0.618	.750-20 UNEF	19.18/0.755	11.38 / 0.448
12	23.80/0.937	36.50/1.437	38.66/1.522	19.2 / 0.755	2.92/0.115	53.97/2.125	24.64/0.970	15.7/0.618	.750-20 UNEF	19.18/0.755	11.38 / 0.448
14S	28.57/1.125	39.67/1.562	41.83/1.647	22.4 / 0.880	2.92/0.115	51.59/2.031	18.29/0.720	18.9/0.743	.875-20 UNEF	22.35/0.880	12.95/0.510
14	28.57/1.125	39.67/1.562	41.83/1.647	22.4 / 0.880	2.92/0.115	53.97/2.125	24.64/0.970	18.9/0.743	.875-20 UNEF	22.35/0.880	12.95/0.510
16S	31.75/1.250	42.85/1.687	45.01/1.772	25.5 / 1.005	2.92/0.115	51.59/2.031	18.29/0.720	22.1/0.868	1.000-20 UNEF	25.53/1.005	14.55/0.573
16	31.75/1.250	42.85/1.687	45.01/1.772	25.5 / 1.005	2.92/0.115	63.50/2.500	24.64/0.970	22.1/0.868	1.000-20 UNEF	25.53/1.005	14.55/0.573
18	34.92/1.375	46.02/1.812	48.18/1.897	27.1 / 1.065	2.92/0.115	63.50/2.500	24.64/0.970	23.5/0.924	1.125-18 UNEF	28.70/1.130	16.13/0.635
20	38.10/1.500	49.20/1.937	51.36/2.022	30.2 / 1.190	3.68/0.145	63.50/2.500	24.64/0.970	26.6/1.049	1.250-18 UNEF	31.88/1.255	17.73/0.698
22	41.27/1.625	54.76/2.156	56.92/2.241	33.4 / 1.315	3.68/0.145	63.50/2.500	24.64/0.970	29.8/1.174	1.375-18 UNEF	35.05/1.380	19.30/0.760
24	44.45/1.750	57.94/2.281	60.10/2.366	36.6 / 1.440	3.68/0.145	63.50/2.500	24.64/0.970	33.0/1.299	1.500-18 UNEF	38.23/1.505	20.90/0.823
28	50.80/2.000	64.29/2.531	66.45/2.616	44.5 / 1.750	3.68/0.145	63.50/2.500	24.64/0.970	38.6/1.520	1.750-18 UNS	44.58/1.755	24.08/0.948
32	60.32/2.375	70.64/2.781	72.80/2.866	50.8 / 2.000	3.68/0.145	63.50/2.500	24.64/0.970	45.0/1.770	2.000-18 UNS	50.93/2.005	27.25/1.073
36	66.67/2.625	76.99/3.031	79.15/3.116	57.2 / 2.250	3.68/0.145	63.50/2.500	24.64/0.970	50.4/1.985	2.250-16 UN	57.28/2.255	30.43/1.198
40	73.02/2.875	83.34/3.281	85.50/3.366	63.5 / 2.500	3.68/0.145	63.50/2.500	24.64/0.970	55.9/2.200	2.500-16 UN	63.63/2.505	33.60/1.323

DIMENSIONS IN ITALIC ARE INCHES.

* CONSULT FACTORY



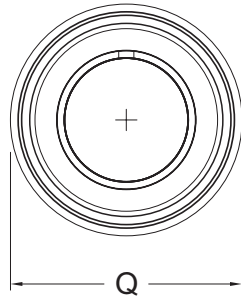
STRAIGHT PLUG **SC56SV***

MIL-DTL-5015 SERIES III - CRIMP REAR RELEASE CONTACTS (MS3456)

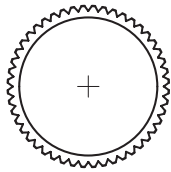
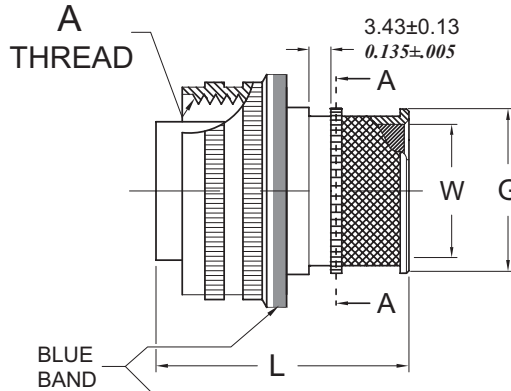
SELF-LOCKING STRAIGHT PLUG **SC59SV***

MIL-DTL-5015 SERIES III - CRIMP REAR RELEASE CONTACTS (MS3459)

FRONT VIEW

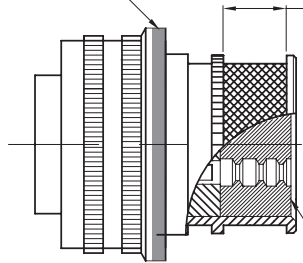


SIDE VIEW



SECTION A-A

(Shell teeth shown for clarity)



SHELL SIZES:
8S - 16S
6.35±0.13
0.250±.005
FOR .125 BAND

SHELL SIZES:
16 - 40
9.14±0.13
0.360±.005
FOR .240 BAND

GROMMET

SC56SV*
SC59SV*

**Environmental
Environmental, with
self-locking coupling nut**

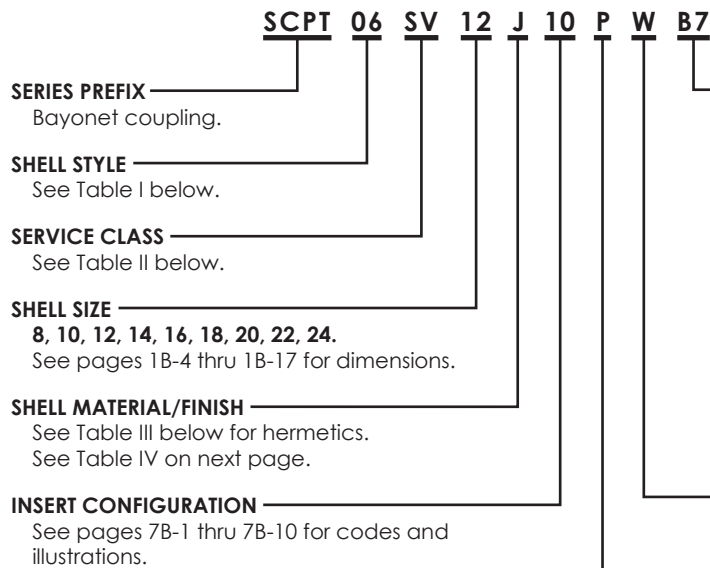
SHELL SIZE	FRONT VIEW		SIDE VIEW			
	56SV*	59SV*	G	L	W	A
	Q	Q	MAX	MAX	±0.13/±.005	THREAD CLASS 2B
	MAX	MAX				
8S	21.44/0.844	24.46/0.963	* / *	51.59/2.031	* / *	.500-28 UNEF
10SL	24.61/0.969	27.64/1.088	16.1/0.632	51.59/2.031	12.8/0.502	.625-24 UNEF
10S	24.61/0.969	27.64/1.088	16.1/0.632	51.59/2.031	12.8/0.502	.625-24 UNEF
12S	26.97/1.062	30.81/1.213	19.2/0.755	51.59/2.031	15.7/0.618	.750-20 UNEF
12	26.97/1.062	30.81/1.213	19.2/0.755	53.97/2.125	15.7/0.618	.750-20 UNEF
14S	29.36/1.156	34.49/1.358	22.4/0.880	51.59/2.031	18.9/0.743	.875-20 UNEF
14	29.36/1.156	34.49/1.358	22.4/0.880	53.97/2.125	18.9/0.743	.875-20 UNEF
16S	31.75/1.250	37.16/1.463	25.5/1.005	51.59/2.031	22.1/0.868	1.000-20 UNEF
16	31.75/1.250	37.16/1.463	25.5/1.005	63.50/2.500	22.1/0.868	1.000-20 UNEF
18	34.14/1.344	40.34/1.588	27.1/1.065	63.50/2.500	23.5/0.924	1.125-18 UNEF
20	37.31/1.469	43.51/1.713	30.2/1.190	63.50/2.500	26.6/1.049	1.250-18 UNEF
22	40.49/1.594	45.42/1.788	33.4/1.315	63.50/2.500	29.8/1.174	1.375-18 UNEF
24	43.66/1.719	49.86/1.963	36.6/1.440	63.50/2.500	33.0/1.299	1.500-18 UNEF
28	50.01/1.969	56.21/2.213	44.5/1.750	63.50/2.500	38.6/1.520	1.750-18 UNS
32	56.36/2.219	62.56/2.463	50.8/2.000	63.50/2.500	45.0/1.770	2.000-18 UNS
36	62.71/2.469	68.91/2.713	57.2/2.250	63.50/2.500	50.4/1.985	2.250-16 UN
40	69.06/2.719	75.26/2.963	63.5/2.500	63.50/2.500	55.9/2.200	2.500-16 UN

DIMENSIONS IN *ITALIC* ARE INCHES.

* CONSULT FACTORY

MIL-DTL-26482 SERIES 1 - SOLDER CONTACTS

ORDERING INFORMATION



MODIFICATION

- BLANK** Standard. Gold plated solder contacts.
- A95** Contacts: .000010 gold over .000010 nickel.
- B1** .245 Flat Band SCPSE-02F Included, Shell Sizes 20-24 (See page 1F-49)
- B3** .242 Flat Band SCPBE-02F Included, Shell Sizes 20-24 (See page 1F-49)
- B5** .118 Flat Band SCPSE-04F Included, Shell Sizes 8-18 (See page 1F-49)
- B7** .120 Flat Band SCPBE-04F Included, Shell Sizes 8-18 (See page 1F-49)
- F0** Less contacts.
- F80** Crimp contacts for AWG wire.
- 142** Contacts: .000030 gold over .000050 nickel. For other codes, contact Sales Dept.

ALTERNATE POSITION (POLARIZATION)

- BLANK** (normal), **W, X, Y, Z**. See page 7B-1

CONTACT STYLE

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

TABLE I. SHELL STYLE

SHELL STYLE	DESCRIPTION	AVAILABLE IN CLASS	SEE PAGE
SCPT00	Wall mount receptacle	A, B, D, E, F, J, JF, P, SV, W	1F-25
SCPT01	In-line receptacle	A, B, D, E, F, J, JF, P, SV, W	1F-26
SCPT06	Straight plug	A, D, E, F, J, JF, P, SV, W	1F-26
SCPTG06	Straight plug, grounding	A, D, E, F, J, JF, P, SV, W	1F-26
SCPT07	Jam nut receptacle	A, B, C, E, F, H, P, SV	1F-27
SCPT08	90° Plug	A, B, D, F, SV	1F-28
SCPTG08	90° Plug, grounding	A, B, D, F, SV	1F-28

* Less rear hardware

TABLE II. SERVICE CLASS

CLASS	DESCRIPTION	TEMP
A	Non-environmental threaded backshell	125°C
AG	Non-environmental shrink boot adapter, 1 piece	125°C
AG2G	Non-environmental shrink boot adapter, 2 piece	125°C
ASB	Non-environmental EMI/RFI shield	125°C
B	Non-environmental with strain relief	125°C
D	Environmental with grommet and threaded backshell	125°C
E	Environmental with grommet	125°C
F	Environmental with grommet and strain relief	125°C
G	Environmental shrink boot adapter with grommet, 1 piece	125°C
G2G	Environmental shrink boot adapter with grommet, 2 piece	125°C
H	Hermetic	125°C
J	Environmental Cable seal	125°C
JF	Environmental Cable seal with strain relief	125°C
P	Potting boot	125°C
SB	Environmental EMI/RFI shield	125°C
SV	Environmental integrated backshell	125°C
W	Environmental gland seal	125°C
Y	Printed circuit contacts	125°C

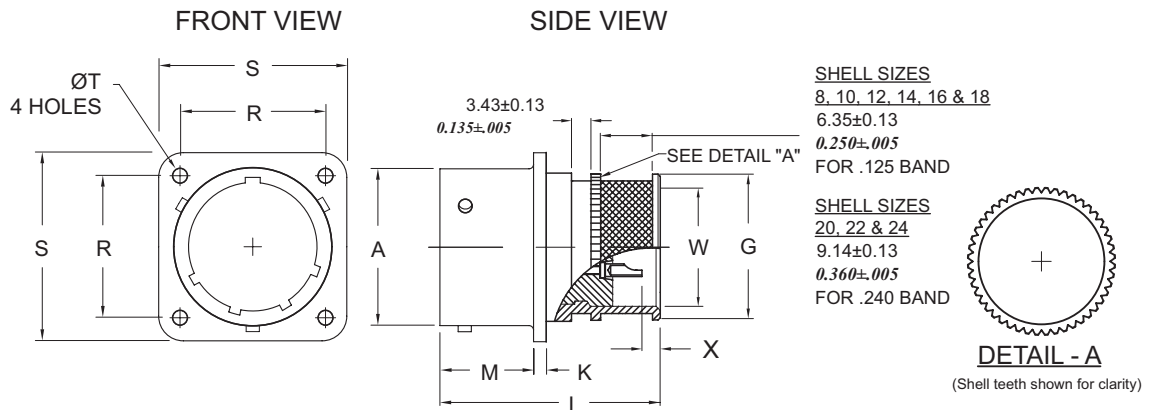
TABLE III. HERMETIC TERMINATION TYPE

CODE	TERMINATION TYPE MATERIAL	FINISH
A	Solder cup, stainless steel shell	Passivated
B	Eyelet, stainless steel shell	Passivated
C	Solder cup, ferrous alloy shell	Tinned
Y	Eyelet, ferrous alloy shell	Tinned

TABLE IV. 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 iridite, 48 hr. salt spray
G	Aluminum	Cadmium, gold iridite 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
U	Aluminum	Nickel teflon, non-reflective
V	Aluminum	Zinc nickel, black
Y	Aluminum	Zinc cobalt, olive drab color
Z	Aluminum	Zinc cobalt, black color

WALL MOUNT RECEPTACLE SCPT00SV*
MIL-DTL-26482 SERIES 1 - SOLDER CONTACTS (MS3110)



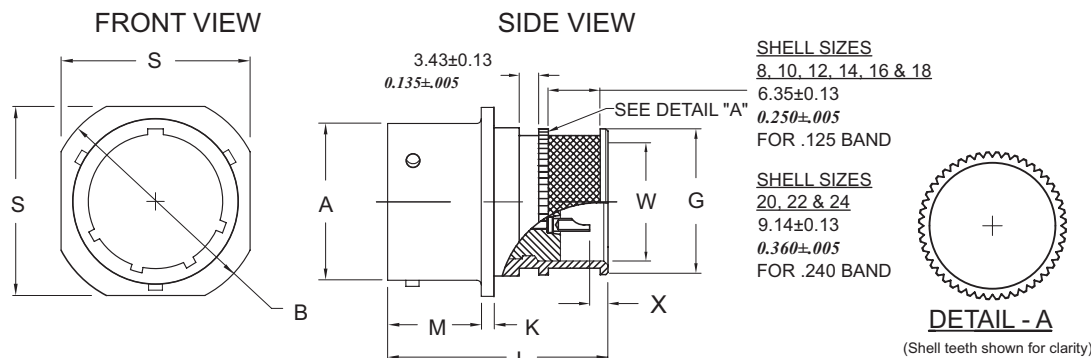
SCPT00SV* Environmental, no grommet

SHELL SIZE	FRONT VIEW			SIDE VIEW							
	R	S	T	A	G	K	L	M	W	X	
	T.P	MAX	±0.13/±.005	±0.08/±.003	MAX	±0.2/±.008	MAX	+0.79/+0.031 -0.00/-0.000	MIN	±0.5/±.020	
										.240 BAND	.125 BAND
8	15.09/0.594	21.03/0.828	3.05/0.120	11.96/0.471	11.05/0.435	1.57/0.062	28.60/1.125	10.95/0.431	8.56/0.337	-	5.8/0.230
10	18.26/0.719	24.23/0.954	3.05/0.120	14.94/0.588	14.22/0.560	1.57/0.062	28.60/1.125	10.95/0.431	11.68/0.460	-	5.8/0.230
12	20.62/0.812	26.59/1.047	3.05/0.120	19.00/0.748	17.32/0.682	1.57/0.062	28.60/1.125	10.95/0.431	14.45/0.569	-	5.8/0.230
14	23.01/0.906	28.98/1.141	3.05/0.120	22.17/0.873	20.50/0.807	1.57/0.062	28.60/1.125	10.95/0.431	17.63/0.694	-	5.8/0.230
16	24.61/0.969	31.34/1.234	3.05/0.120	25.35/0.998	23.67/0.932	1.57/0.062	28.60/1.125	10.95/0.431	20.80/0.819	-	5.8/0.230
18	26.97/1.062	33.73/1.328	3.05/0.120	28.52/1.123	26.85/1.057	1.57/0.062	28.60/1.125	10.95/0.431	23.34/0.919	-	5.8/0.230
20	29.36/1.156	36.91/1.453	3.05/0.120	31.70/1.248	30.02/1.182	2.39/0.094	35.56/1.400	14.12/0.556	26.52/1.044	5.3/0.210	-
22	31.75/1.250	40.08/1.578	3.05/0.120	34.87/1.373	33.20/1.307	2.39/0.094	35.56/1.400	14.12/0.556	29.69/1.169	5.3/0.210	-
24	34.92/1.375	43.26/1.703	3.73/0.147	38.05/1.498	36.37/1.432	2.39/0.094	36.19/1.425	14.96/0.589	32.87/1.294	5.8/0.230	-

DIMENSIONS IN ITALIC ARE INCHES.

SCPT01SV* IN-LINE RECEPTACLE

MIL-DTL-26482 SERIES 1 - SOLDER CONTACTS (MS3111)



SCPT01SV* Environmental, no grommet

SHELL SIZE	FRONT VIEW		SIDE VIEW							
	B	S	A	G	K	L	M	W	X	
	±0.51/±.020	MAX	±0.08/±.003	MAX	±0.2/±.008	MAX	+0.79/+.031 -0.00/-0.00	MIN	±0.5/±.020	
									.240 BAND	.125 BAND
8	23.83/0.938	21.03/0.828	11.96/0.471	11.05/0.435	2.39/0.094	28.60/1.125	10.16/0.400	8.56/0.337	-	5.8/0.230
10	26.97/1.062	24.23/0.954	14.94/0.588	14.22/0.560	2.39/0.094	28.60/1.125	10.16/0.400	11.68/0.460	-	5.8/0.230
12	29.36/1.156	26.59/1.047	19.00/0.748	17.32/0.682	2.39/0.094	28.60/1.125	10.16/0.400	14.45/0.569	-	5.8/0.230
14	31.75/1.250	28.98/1.141	22.17/0.873	20.50/0.807	2.39/0.094	28.60/1.125	10.16/0.400	17.63/0.694	-	5.8/0.230
16	34.14/1.344	31.34/1.234	25.35/0.998	23.67/0.932	2.39/0.094	28.60/1.125	10.16/0.400	20.80/0.819	-	5.8/0.230
18	36.53/1.438	33.73/1.328	28.52/1.123	26.85/1.057	2.39/0.094	28.60/1.125	10.16/0.400	23.34/0.919	-	5.8/0.230
20	39.67/1.562	36.91/1.453	31.70/1.248	30.02/1.182	2.92/0.115	35.56/1.400	13.59/0.535	26.52/1.044	5.3/0.210	-
22	42.88/1.688	40.08/1.578	34.87/1.373	33.20/1.307	2.92/0.115	35.56/1.400	13.59/0.535	29.69/1.169	5.3/0.210	-
24	46.02/1.812	43.26/1.703	38.05/1.498	36.37/1.432	2.92/0.115	36.19/1.425	14.43/0.568	32.87/1.294	5.8/0.230	-

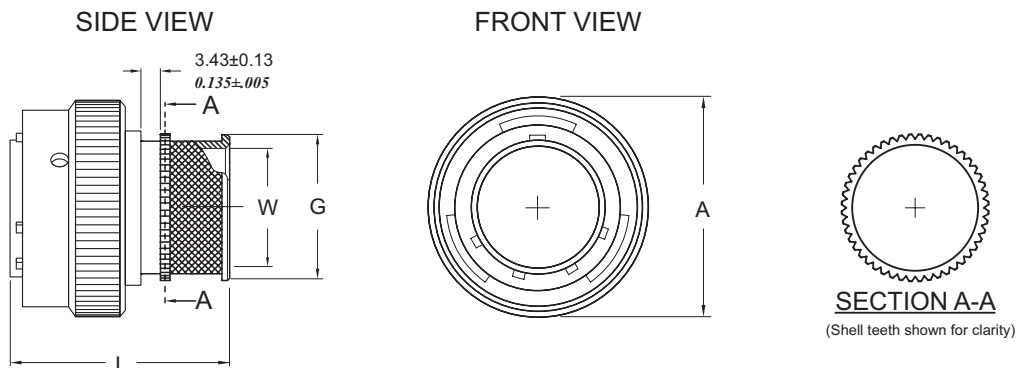
DIMENSIONS IN *ITALIC* ARE INCHES.

SCPT06SV* STRAIGHT PLUG

MIL-DTL-26482 SERIES 1 - SOLDER CONTACTS (MS3116)

SCPTG06SV* STRAIGHT PLUG WITH GROUNDING SPRING

MIL-DTL-26482 SERIES 1 - SOLDER CONTACTS (MS3116)



SCPT06SV* Environmental, no grommet

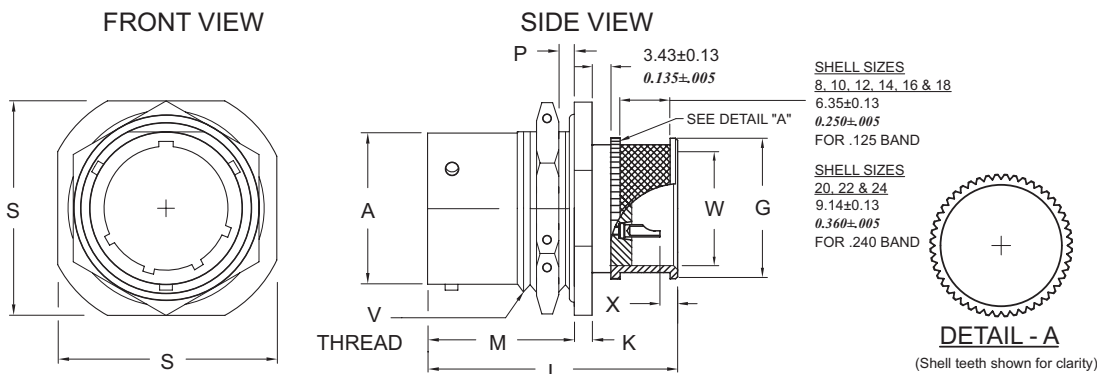
SCPTG06SV* Environmental, no grommet with grounding spring

SHELL SIZE	FRONT VIEW		SIDE VIEW				
	A	G	L	W	X		
	MAX	MAX	MAX	MIN	±0.5/±.020		
					.240 BAND	.120 BAND	
8	19.86/0.782	11.05/0.435	36.20/1.425	8.56/0.337	-	13.5/0.530	
10	23.52/0.935	14.22/0.560	36.20/1.425	11.68/0.460	-	13.5/0.530	
12	26.49/1.043	17.32/0.682	36.20/1.425	14.45/0.569	-	13.5/0.530	
14	30.05/1.183	20.50/0.807	36.20/1.425	17.63/0.694	-	13.5/0.530	
16	33.15/1.305	23.67/0.932	36.20/1.425	20.80/0.819	-	13.5/0.530	
18	35.33/1.391	26.85/1.057	36.20/1.425	23.34/0.919	-	13.5/0.530	
20	38.89/1.531	30.02/1.182	41.91/1.650	26.52/1.044	13.5/0.530	-	
22	42.06/1.656	33.20/1.307	41.91/1.650	29.69/1.169	13.5/0.530	-	
24	45.14/1.777	36.37/1.432	41.91/1.650	32.87/1.294	13.5/0.530	-	

DIMENSIONS IN *ITALIC* ARE INCHES.

JAM NUT RECEPTACLE **SCPT07SV***

MIL-DTL-26482 SERIES 1 - SOLDER CONTACTS (MS3114)



SCPT070SV* Environmental, no grommet

SHELL SIZE	FRONT VIEW		SIDE VIEW									
	S	A	G	K	L	M	W	V	P		X	
	MAX	±0.08/±.003	MAX	±0.51/±.020	MAX	+0.25/+010	MIN	THREAD CLASS 2A	MIN	MAX	.240 BAND	.125 BAND
8	24.23/0.954	11.96/0.471	11.05/0.435	2.97/0.117	33.02/1.300	17.91/0.705	8.56/0.337	.5625-24 UNEF	1.57/0.062	3.18/0.125	-	10.29/0.405
10	27.38/1.078	14.94/0.588	14.22/0.560	2.97/0.117	33.02/1.300	17.91/0.705	11.68/0.460	.6875-24 UNEF	1.57/0.062	3.18/0.125	-	10.29/0.405
12	32.16/1.266	19.00/0.748	17.32/0.682	2.97/0.117	33.02/1.300	17.91/0.705	14.45/0.569	.875-20 UNEF	1.57/0.062	3.18/0.125	-	10.29/0.405
14	35.33/1.391	22.17/0.873	20.50/0.807	2.97/0.117	33.02/1.300	17.91/0.705	17.63/0.694	1.000-20 UNEF	1.57/0.062	3.18/0.125	-	10.29/0.405
16	38.51/1.516	25.35/0.998	23.67/0.932	2.97/0.117	33.02/1.300	17.91/0.705	20.80/0.819	1.125-18 UNEF	1.57/0.062	3.18/0.125	-	10.29/0.405
18	41.68/1.641	28.52/1.123	26.85/1.057	2.97/0.117	33.02/1.300	17.91/0.705	23.34/0.919	1.250-18 UNEF	1.57/0.062	3.18/0.125	-	10.29/0.405
20	46.43/1.828	31.70/1.248	30.02/1.182	3.76/0.148	41.66/1.640	22.68/0.893	26.52/1.044	1.375-18 UNEF	1.57/0.062	6.35/0.250	11.43/0.450	-
22	49.63/1.954	34.87/1.373	33.20/1.307	3.76/0.148	41.66/1.640	22.68/0.893	29.69/1.169	1.500-18 UNEF	1.57/0.062	6.35/0.250	11.43/0.450	-
24	52.78/2.078	38.05/1.498	36.37/1.432	3.76/0.148	42.42/1.670	23.52/0.926	32.87/1.294	1.625-18 UNEF	1.57/0.062	6.35/0.250	12.07/0.475	-

DIMENSIONS IN *ITALIC* ARE INCHES.

90° PLUG **SCPT08SV***

MIL-DTL-26482 SERIES 1 - SOLDER CONTACTS

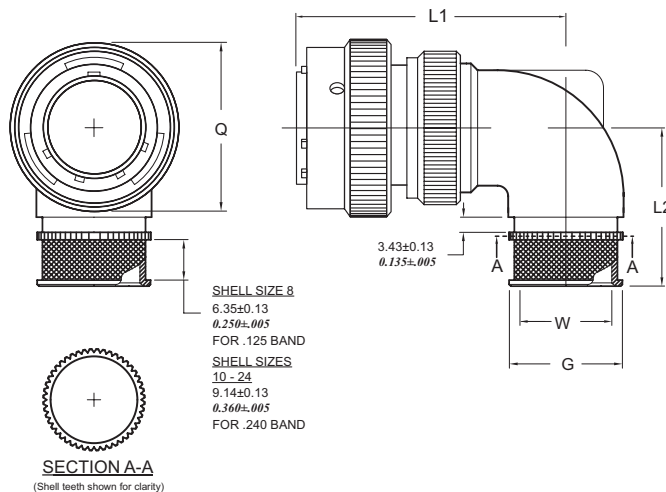
90° PLUG WITH GROUNDING SPRING **SCPTG08SV***

MIL-DTL-26482 SERIES 1 - SOLDER CONTACTS

SCPT08SV* Environmental, no grommet
SCPTG08SV* Environmental, no grommet with grounding spring

SHELL SIZE	FRONT VIEW	SIDE VIEW				
	Q	L1	L2	G	W	
	MAX	MAX	±1.0/±.039	MAX	MIN	
8	19.86/0.782	36.20/1.425	19.00/0.748	12.70/0.500	7.24/0.285	
10	23.52/0.935	36.20/1.425	24.00/0.945	15.29/0.602	10.77/0.424	
12	26.49/1.043	38.10/1.500	27.00/1.063	17.96/0.707	11.81/0.465	
14	30.05/1.183	40.89/1.610	28.00/1.102	19.56/0.770	14.73/0.580	
16	33.15/1.305	42.29/1.665	30.00/1.181	22.73/0.895	17.40/0.685	
18	35.33/1.391	47.63/1.875	32.00/1.260	25.40/1.000	20.83/0.820	
20	38.89/1.531	51.56/2.030	34.00/1.339	27.51/1.083	23.11/0.910	
22	42.06/1.656	55.37/2.180	36.00/1.417	30.86/1.215	26.04/1.025	
24	45.14/1.777	56.00/2.205	39.00/1.535	CONSULT FACTORY		

DIMENSIONS IN *ITALIC* ARE INCHES.



MIL-DTL-26482 SERIES 1 - CRIMP FRONT RELEASE CONTACTS

ORDERING INFORMATION

SCPT 00 SSV 22 J 55 P X B1

SERIES PREFIX
Bayonet coupling.

SHELL STYLE
See Table I below.

SERVICE CLASS

- SA** General duty, threaded backshell.
- SE** Environmental.
- SF** Environmental with strain relief.
- SG** Shrink boot adapter.
- SG2G** Shrink boot adapter.
- SJ** Cable seal.
- SJF** Cable seal with strain relief.
- SP** Potting mold.
- SSB** EMI/RFI Shield adapter.
- SSV** Integrated Backshell

SHELL SIZE
8, 10, 12, 14, 16, 18, 20, 22, 24.
See pages 2B-4 thru 2B-14 for dimensions.

SHELL MATERIAL/FINISH
See Table II below.

MODIFICATION

- A95** Contacts: .000010 gold over .000010 nickel.
- B1** .245 Flat Band SCPSE-02F Included, Shell Sizes 20-24 (See page 1F-49)
- B3** .242 Flat Band SCPBE-02F Included, Shell Sizes 20-24 (See page 1F-49)
- B5** .118 Flat Band SCPSE-04F Included, Shell Sizes 8-18 (See page 1F-49)
- B7** .120 Flat Band SCPBE-04F Included, Shell Sizes 8-18 (See page 1F-49)
- F0** Less contacts.
- 142** Contacts: .000030 gold over .000050 nickel. For other codes, contact Sales Dept.

ALTERNATE POSITION (POLARIZATION)

BLANK (normal), **W, X, Y, Z.** See page 7B-1.

CONTACT STYLE

- P** Pin contacts.
 - S** Socket contacts.
- See Table IV on next page for part numbers.

INSERT CONFIGURATION

See page 7B-1 thru 7B-10 for illustrations and codes.

TABLE I. SHELL STYLE

SHELL STYLE	DESCRIPTION	AVAILABLE IN CLASS	SEE PAGE
SCPT00	Wall mount receptacle	All Classes	1F-29
SCPT01	In-line receptacle	All Classes	1F-30
SCPT06	Straight plug	All Classes	1F-30
SCPTG06	Straight plug with grounding spring	All Classes	1F-30
SCPT07	Jam nut receptacle	SA, SE, SF, SP, SSV	1F-31
SCPT08	90° plug	SA, SE, SF, SSV	1F-31
SCPTG08	90° plug with grounding spring	SA, SE, SF, SSV	1F-31

TABLE II. 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 iridite, 48 hr. salt spray
G	Aluminum	Cadmium, gold iridite 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

CODE	MATERIAL	FINISH
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
U	Aluminum	Nickel teflon, non-reflective
V	Aluminum	Zinc nickel, black
Y	Aluminum	Zinc cobalt, olive drab color
Z	Aluminum	Zinc cobalt, black color

TABLE III. CONTACT TOOLS

CONTACT P/N	SEX	SIZE	INSERTION TOOL	REMOVAL TOOL	WIRE RANGE	CRIMP TOOL	POSITIONER
M39029/31-240	Pin	20	M81969/17-03	M81969/19-07	20-24	M22520/1-01	M22520/1-02 Red
M39029/32-259	Socket	20	MS24256A20	MS24256R20	20-24	M22520/2-01 M22520/7-01	M22520/2-02 M22520/7-02
M39029/31-228	Pin	16	M81969/17-04	M81969/19-08	16-20	M22520/1-01	M22520/1-02 Blue
M39029/32-247	Socket	16	MS24256A16 MS90455-16	MS24256R16 MS90456-16	16-20	M22520/7-01	M22520/7-03
M39029/31-234	Pin	12	M81969/17-05	M81969/19-09	12-14	M22520/1-01	M22520/1-02 Yellow
M39029/32-253	Socket	12	MS24256A12 MS90455-12	MS24256R12 MS90456-12	12-14		



CRIMP FRONT RELEASE CONTACTS **MIL-DTL-26482** SERIES 1 ORDERING INFORMATION

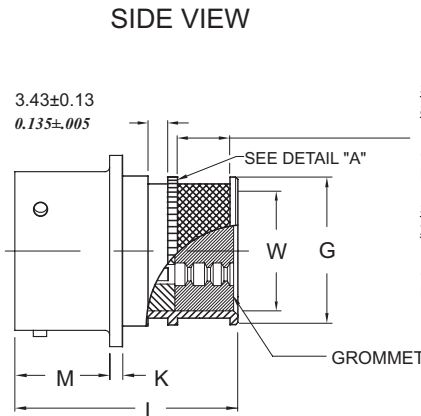
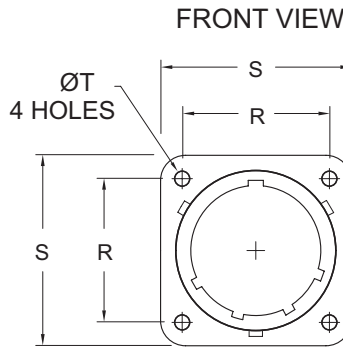
TABLE IV. INSERT AND CONTACT INFORMATION

INSERT NUMBER	CONTACTS			CONTACT PART NUMBER	
	TOTAL	QTY	SIZE	PIN	SOCKET
8-2	2	2	20	M39029/31-240	M39029/32-259
8-3	3	3	20	M39029/31-240	M39029/32-259
8-4	4	4	20	M39029/31-240	M39029/32-259
8-33	3	3	20	M39029/31-240	M39029/32-259
8-98	3	3	20	M39029/31-240	M39029/32-259
10-6	6	6	20	M39029/31-240	M39029/32-259
10-7	7	7	20	M39029/31-240	M39029/32-259
10-98	6	6	20	M39029/31-240	M39029/32-259
12-3	3	3	16	M39029/31-228	M39029/32-247
12-8	8	8	20	M39029/31-240	M39029/32-259
12-10	10	10	20	M39029/31-240	M39029/32-259
14-4	4	4	12	M39029/31-234	M39029/32-253
14-5	5	5	16	M39029/31-228	M39029/32-247
14-9	9	5	20	M39029/31-240	M39029/32-259
		4	12	M39029/31-234	M39029/32-253
14-12	12	8	20	M39029/31-240	M39029/32-259
		4	16	M39029/31-228	M39029/32-247
14-15	15	14	20	M39029/31-240	M39029/32-259
		1	16	M39029/31-228	M39029/32-247
14-18	18	18	20	M39029/31-240	M39029/32-259
14-19	19	19	20	M39029/31-240	M39029/32-259
14-22	5	1	20	M39029/31-240	M39029/32-259
		4	12	M39029/31-234	M39029/32-253
16-8	8	8	16	M39029/31-228	M39029/32-247
16-14	14	8	20	M39029/31-240	M39029/32-259
		6	12	M39029/31-234	M39029/32-253
16-23	23	22	20	M39029/31-240	M39029/32-259
		1	16	M39029/31-228	M39029/32-247
16-26	26	26	20	M39029/31-240	M39029/32-259
16-99	23	21	20	M39029/31-240	M39029/32-259
		2	16	M39029/31-228	M39029/32-247

INSERT NUMBER	CONTACTS			CONTACT PART NUMBER	
	TOTAL	QTY	SIZE	PIN	SOCKET
18-8	8	8	12	M39029/31-234	M39029/32-253
18-11	11	11	16	M39029/31-228	M39029/32-247
18-30	30	29	20	M39029/31-240	M39029/32-259
		1	16	M39029/31-228	M39029/32-247
18-32	32	32	20	M39029/31-240	M39029/32-259
18-85	13	5	20	M39029/31-240	M39029/32-259
		8	12	M39029/31-234	M39029/32-253
20-16	16	16	16	M39029/31-228	M39029/32-247
20-24	24	24	20	M39029/31-240	M39029/32-259
20-27	27	27	20	M39029/31-240	M39029/32-259
20-39	39	37	20	M39029/31-240	M39029/32-259
		2	16	M39029/31-228	M39029/32-247
20-41	41	41	20	M39029/31-240	M39029/32-259
20-90	15	3	20	M39029/31-240	M39029/32-259
		12	12	M39029/31-234	M39029/32-253
22-12	12	12	12	M39029/31-234	M39029/32-253
22-19	19	19	12	M39029/31-234	M39029/32-253
22-21	21	21	16	M39029/31-228	M39029/32-247
22-32	32	32	20	M39029/31-240	M39029/32-259
22-34	34	34	20	M39029/31-240	M39029/32-259
22-41	41	27	20	M39029/31-240	M39029/32-259
		14	16	M39029/31-228	M39029/32-247
22-55	55	55	20	M39029/31-240	M39029/32-259
22-95	32	26	20	M39029/31-240	M39029/32-259
		6	12	M39029/31-234	M39029/32-253
24-19	19	19	12	M39029/31-234	M39029/32-253
24-27	27	11	20	M39029/31-240	M39029/32-259
		16	12	M39029/31-234	M39029/32-253
24-31	31	31	16	M39029/31-228	M39029/32-247
24-61	61	61	20	M39029/31-240	M39029/32-259

WALL MOUNT RECEPTACLE **SCPT00SSV***

MIL-DTL-26482 SERIES 1 - CRIMP FRONT RELEASE CONTACTS (MS3120)



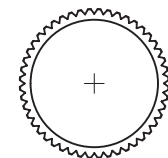
SHELL SIZES
8, 10, 12, 14, 16 & 18
6.35±0.13
0.250±0.005
FOR .125 BAND

SHELL SIZES
20, 22 & 24
9.14±0.13
0.360±0.005
FOR .240 BAND

SCPT00SSV* Environmental

SHELL SIZE	FRONT VIEW			SIDE VIEW				
	R TYP.	S TYP.	T ±0.25±.010	G MAX	K ±0.41±.016	L MAX	M +0.79/+0.031 -0.00/-0.000	W MAX
8	15.09/0.594	21.03/0.828	3.05/0.120	11.05/0.435	1.57/0.062	35.81/1.410	10.95/0.431	9.40/0.370
10	18.26/0.719	24.23/0.954	3.05/0.120	14.22/0.560	1.57/0.062	35.81/1.410	10.95/0.431	12.62/0.497
12	20.62/0.812	26.59/1.047	3.05/0.120	17.32/0.682	1.57/0.062	35.81/1.410	10.95/0.431	15.57/0.613
14	23.01/0.906	28.98/1.141	3.05/0.120	20.50/0.807	1.57/0.062	35.81/1.410	10.95/0.431	18.75/0.738
16	24.61/0.969	31.34/1.234	3.05/0.120	23.67/0.932	1.57/0.062	35.81/1.410	10.95/0.431	21.92/0.863
18	26.97/1.062	33.73/1.328	3.05/0.120	26.85/1.057	1.57/0.062	35.81/1.410	10.95/0.431	23.34/0.919
20	29.36/1.156	36.91/1.453	3.05/0.120	30.02/1.182	2.39/0.094	37.46/1.475	14.12/0.556	26.52/1.044
22	31.75/1.250	40.08/1.578	3.05/0.120	33.20/1.307	2.39/0.094	37.46/1.475	14.12/0.556	29.69/1.169
24	34.92/1.375	43.26/1.703	3.73/0.147	36.37/1.432	2.39/0.094	37.46/1.475	14.96/0.589	32.87/1.294

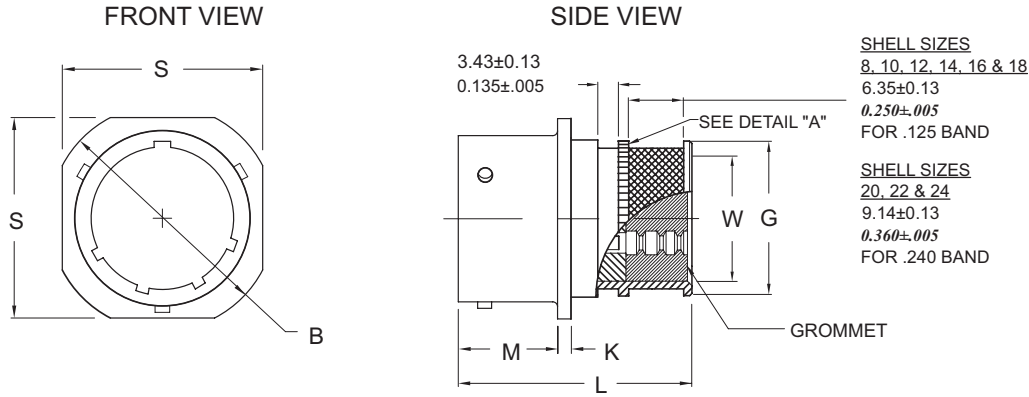
DIMENSIONS IN *ITALIC* ARE INCHES.



DETAIL - A
(Shell teeth shown for clarity)

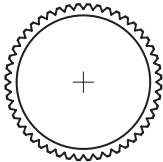
SCPT01SSV* IN-LINE RECEPTACLE

MIL-DTL-26482 SERIES 1 - CRIMP FRONT RELEASE CONTACTS (MS3121)



SHELL SIZES
8, 10, 12, 14, 16 & 18
6.35±0.13
0.250±.005
FOR .125 BAND

SHELL SIZES
20, 22 & 24
9.14±0.13
0.360±.005
FOR .240 BAND



DETAIL - A
(Shell teeth shown for clarity)

SCPT01SSV* Environmental

SHELL SIZE	FRONT VIEW		SIDE VIEW				
	B ±0.76/±.050	S TYP.	G MAX	K ±0.41/±.016	L MAX	M +0.41/±.016 -0.38/-.015	W MAX
8	24.08/0.948	21.03/0.828	11.05/0.435	1.57/0.062	35.81/1.410	10.16/0.400	9.40 /0.370
10	27.23/1.072	24.23/0.954	14.22/0.560	1.57/0.062	35.81/1.410	10.16/0.400	12.62/0.497
12	29.62/1.166	26.59/1.047	17.32/0.682	1.57/0.062	35.81/1.410	10.16/0.400	15.57/0.613
14	32.00/1.260	28.98/1.141	20.50/0.807	1.57/0.062	35.81/1.410	10.16/0.400	18.75/0.738
16	34.39/1.354	31.34/1.234	23.67/0.932	1.57/0.062	35.81/1.410	10.16/0.400	21.92/0.863
18	36.78/1.448	33.73/1.328	26.85/1.057	1.57/0.062	35.81/1.410	10.16/0.400	23.34/0.919
20	39.93/1.572	36.91/1.453	30.02/1.182	2.39/0.094	37.46/1.475	13.59/0.535	26.52/1.044
22	43.13/1.698	40.08/1.578	33.20/1.307	2.39/0.094	37.46/1.475	13.59/0.535	29.69/1.169
24	46.28/1.822	43.26/1.703	36.37/1.432	2.39/0.094	37.46/1.475	14.43/0.568	32.87/1.294

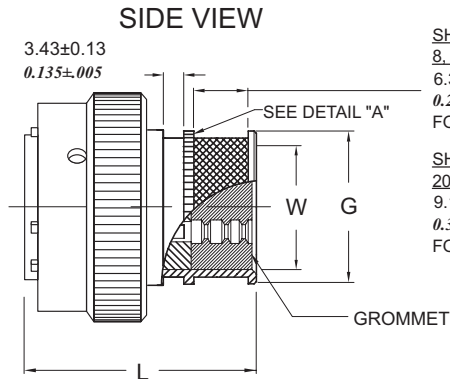
DIMENSIONS IN *ITALIC* ARE INCHES.

SCPT06SSV* STRAIGHT PLUG

MIL-DTL-26482 SERIES 1 - CRIMP REAR RELEASE CONTACTS (MS3126)

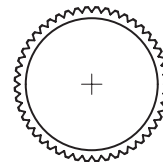
SCPTG06SSV* STRAIGHT PLUG

MIL-DTL-26482 SERIES 1 - CRIMP REAR RELEASE CONTACTS (MS3126)



SHELL SIZES
8, 10, 12, 14, 16 & 18
6.35±0.13
0.250±.005
FOR .125 BAND

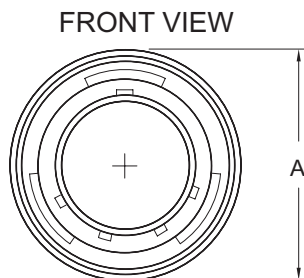
SHELL SIZES
20, 22 & 24
9.14±0.13
0.360±.005
FOR .240 BAND



DETAIL - A
(Shell teeth shown for clarity)

SCPT06SSV* Environmental

SCPTG06SSV* Environmental, with grounding spring

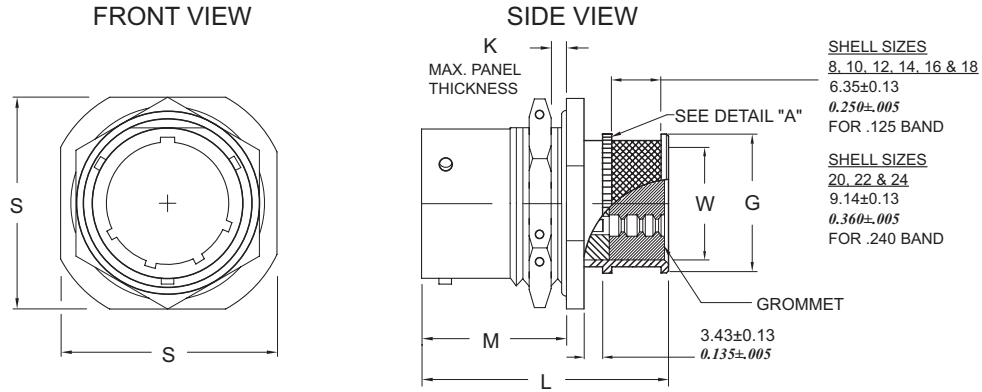


SHELL SIZE	FRONT VIEW	SIDE VIEW		
	A MAX	G MAX	L MAX	W MAX
8	19.86/0.782	11.05/0.435	37.59/1.480	9.40 /0.370
10	23.52/0.935	14.22/0.560	37.59/1.480	12.62/0.497
12	26.49/1.043	17.32/0.682	37.59/1.480	15.57/0.613
14	30.05/1.183	20.50/0.807	37.59/1.480	18.75/0.738
16	33.15/1.305	23.67/0.932	37.59/1.480	21.92/0.863
18	35.33/1.391	26.85/1.057	37.59/1.480	23.34/0.919
20	38.89/1.531	30.02/1.182	43.18/1.700	26.52/1.044
22	42.06/1.656	33.20/1.307	43.18/1.700	29.69/1.169
24	45.14/1.777	36.37/1.432	43.18/1.700	32.87/1.294

DIMENSIONS IN *ITALIC* ARE INCHES.

JAM NUT RECEPTACLE **SCPT07SSV***

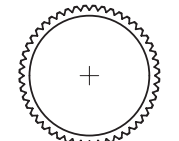
MIL-DTL-26482 SERIES 1 - CRIMP FRONT RELEASE CONTACTS (MS3124)



SCPT07SSV* Environmental

SHELL SIZE	FRONT VIEW	SIDE VIEW				
	S MAX	G MAX	K MAX	L MAX	M +0.79/-0.031 +0.00/-0.000	W ±0.13±.005
8	24.23/0.954	11.05/0.435	4.75/0.187	35.81/1.410	17.55/0.691	9.40/0.370
10	27.38/1.078	14.22/0.560	4.75/0.187	35.81/1.410	17.55/0.691	12.62/0.497
12	32.16/1.266	17.32/0.682	4.75/0.187	35.81/1.410	17.55/0.691	15.57/0.613
14	35.33/1.391	20.50/0.807	4.75/0.187	35.81/1.410	17.55/0.691	18.75/0.738
16	38.51/1.516	23.67/0.932	4.75/0.187	35.81/1.410	17.55/0.691	21.92/0.863
18	41.68/1.641	26.85/1.057	4.75/0.187	35.81/1.410	17.55/0.691	23.34/0.919
20	46.43/1.828	30.02/1.182	6.35/0.250	37.46/1.475	22.23/0.879	26.52/1.044
22	49.63/1.954	33.20/1.307	6.35/0.250	37.46/1.475	22.23/0.879	29.69/1.169
24	52.78/2.078	36.37/1.432	5.56/0.219	37.46/1.475	23.16/0.912	32.87/1.294

DIMENSIONS IN *ITALIC* ARE INCHES.



DETAIL - A
(Shell teeth shown for clarity)

90° PLUG **SCPT08SSV***

MIL-DTL-26482 SERIES 1 - CRIMP FRONT RELEASE CONTACTS

90° PLUG **SCPTG08SSV***

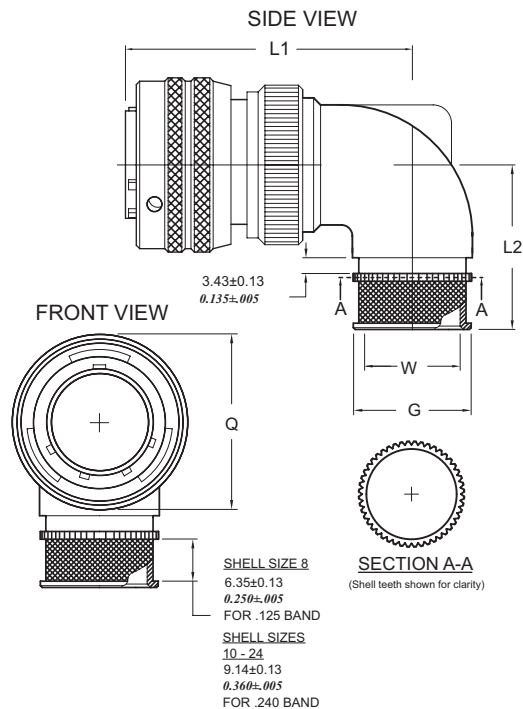
MIL-DTL-26482 SERIES 1 - CRIMP FRONT RELEASE CONTACTS

SCPT08SSV* Environmental

SCPTG08SSV* Environmental, with grounding spring

SHELL SIZE	FRONT VIEW	SIDE VIEW			
	Q MAX	L1 MAX	L2 ±1.0±.039	G MAX	W MIN
8	19.86/0.782	36.20/1.425	19.00/0.748	12.70/0.500	7.24/0.285
10	23.52/0.935	36.20/1.425	24.00/0.945	15.29/0.602	10.77/0.424
12	26.49/1.043	38.10/1.500	27.00/1.063	17.96/0.707	11.81/0.465
14	30.05/1.183	40.89/1.610	28.00/1.102	19.56/0.770	14.73/0.580
16	33.15/1.305	42.29/1.665	30.00/1.181	22.73/0.895	17.40/0.685
18	35.33/1.391	47.63/1.875	32.00/1.260	25.40/1.000	20.83/0.820
20	38.89/1.531	51.56/2.030	34.00/1.339	27.51/1.083	23.11/0.910
22	42.06/1.656	55.37/2.180	36.00/1.417	30.86/1.215	26.04/1.025
24	45.14/1.777	56.00/2.205	39.00/1.535	CONSULT FACTORY	

DIMENSIONS IN *ITALIC* ARE INCHES.



MIL-DTL-26482 SERIES 2 - CRIMP REAR RELEASE CONTACTS

ORDERING INFORMATION

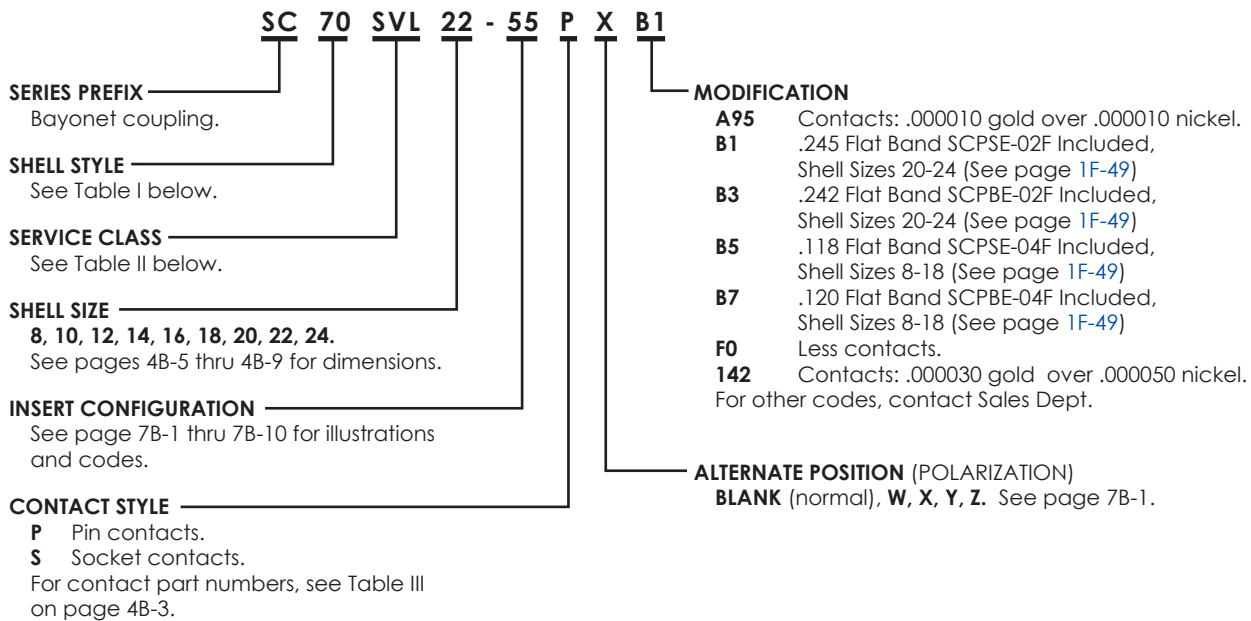


TABLE I. SHELL STYLE

SERIES PREFIX	DESCRIPTION	AVAILABLE IN CLASS	SEE PAGE
SC70	Wall mount receptacle	A, L, S, SV, W	1F-34
SC71	In-line receptacle	A, L, S, SV, W	1F-34
SC72	Wide flange wall mount receptacle	A, L, S, SV, W	1F-35
SC74	Jam nut receptacle	A, L, S, SV, W	1F-35
SC75	Straight plug (RFI grounding)	L, S, SV, W	1F-36
SC76	Straight plug	A, L, S, SV, W	1F-36

* Class N are crimp termination.

TABLE II. CLASS

CLASS	CLASS†	DESCRIPTION	MATERIAL	FINISH	TEMP.
A	SVA	Environmental	Aluminum	Black anodize	200°C
L	SVL	Environmental, fluid resistant	Aluminum	Electroless nickel	200°C
S	SVS	Environmental	Stainless steel	Electrodeposited nickel	200°C
T	SVT	Environmental	Aluminum	Nickel teflon, non-reflective	175°C
W	SVW	Environmental	Aluminum	Cadmium olive drab, 500Hr. salt spray	175°C
Z	SVZ	Environmental	Aluminum	Zinc nickel, black	175°C

† Connector with integrated backshell.

CRIMP REAR RELEASE CONTACTS - **MIL-DTL-26482** SERIES 2 ORDERING INFORMATION

TABLE III. INSERT AND CONTACT INFORMATION

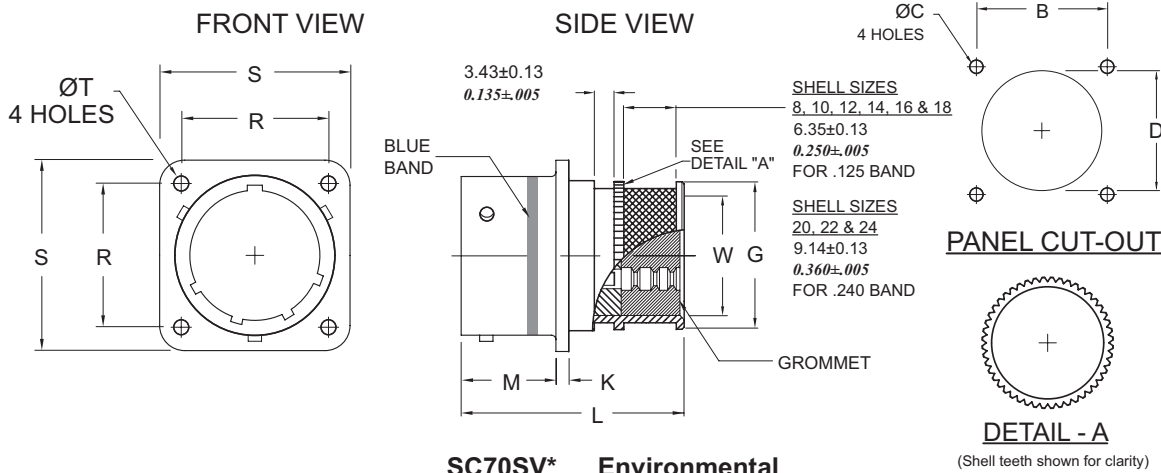
INSERT NUMBER	CONTACTS			CONTACT PART NUMBER		INSERT NUMBER	CONTACTS			CONTACT PART NUMBER	
	TOTAL	QTY	SIZE	PIN	SOCKET		TOTAL	QTY	SIZE	PIN	SOCKET
8-2	2	2	20	5291-022-2020	5091-022-2020	18-8	8	8	12	M39029/4-113	M39029/5-118
8-3	3	3	20	5291-022-2020	5091-022-2020	18-11	11	11	16	M39029/4-111	M39029/5-116
8-4	4	4	20	5291-022-2020	5091-022-2020	18-30	30	29	20	M39029/4-110	M39029/5-115
8-33	3	3	20	M39029/4-110	M39029/5-115			1	16	M39029/4-111	M39029/5-116
8-98	3	3	20	M39029/4-110	M39029/5-115	18-32	32	32	20	M39029/4-110	M39029/5-115
10-6	6	6	20	M39029/4-110	M39029/5-115	18-85	13	5	20	M39029/4-110	M39029/5-115
10-98	6	6	20	M39029/4-110	M39029/5-115			8	12	M39029/4-113	M39029/5-118
12-3	3	3	16	M39029/4-111	M39029/5-116	20-16	16	16	16	M39029/4-111	M39029/5-116
12-8	8	8	20	M39029/4-110	M39029/5-115	20-24	24	24	20	M39029/4-110	M39029/5-115
12-10	10	10	20	M39029/4-110	M39029/5-115	20-27	27	27	20	M39029/4-110	M39029/5-115
14-4	4	4	12	M39029/4-113	M39029/5-118	20-39	39	37	20	M39029/4-110	M39029/5-115
14-5	5	5	16	M39029/4-111	M39029/5-116			2	16	M39029/4-111	M39029/5-116
14-9	9	5	20	M39029/4-110	M39029/5-115	20-41	41	41	20	M39029/4-110	M39029/5-115
		4	12	M39029/4-113	M39029/5-118	20-90	15	3	20	M39029/4-110	M39029/5-115
14-12	12	8	20	M39029/4-110	M39029/5-115			12	12	M39029/4-113	M39029/5-118
		4	16	M39029/4-111	M39029/5-116	22-12	12	12	12	M39029/4-113	M39029/5-118
14-15	15	14	20	M39029/4-110	M39029/5-115	22-19	19	19	12	M39029/4-113	M39029/5-118
		1	16	M39029/4-111	M39029/5-116	22-21	21	21	16	M39029/4-111	M39029/5-116
14-18	18	18	20	M39029/4-110	M39029/5-115	22-32	32	32	20	M39029/4-110	M39029/5-115
14-19	19	19	20	M39029/4-110	M39029/5-115	22-34	34	34	20	M39029/4-110	M39029/5-115
14-22	5	1	20	M39029/4-110	M39029/5-115	22-41	41	27	20	M39029/4-110	M39029/5-115
		4	12	M39029/4-113	M39029/5-118			14	16	M39029/4-111	M39029/5-116
16-8	8	8	16	M39029/4-111	M39029/5-116	22-55	55	55	20	M39029/4-110	M39029/5-115
16-14	14	8	20	M39029/4-110	M39029/5-115	22-95	32	26	20	M39029/4-110	M39029/5-115
		6	12	M39029/4-113	M39029/5-118			6	12	M39029/4-113	M39029/5-118
16-23	23	22	20	M39029/4-110	M39029/5-115	24-19	19	19	12	M39029/4-113	M39029/5-118
		1	16	M39029/4-111	M39029/5-116	24-27	27	11	20	M39029/4-110	M39029/5-115
16-26	26	26	20	M39029/4-110	M39029/5-115			16	12	M39029/4-113	M39029/5-118
16-99	23	21	20	M39029/4-110	M39029/5-115	24-31	31	31	16	M39029/4-111	M39029/5-116
		2	16	M39029/4-111	M39029/5-116	24-61	61	61	20	M39029/4-110	M39029/5-115

TABLE IV. TOOLING INFORMATION

CONTACT PART NUMBER (REFERENCE)	INSERTION TOOL	REMOVAL TOOL		WIRE SIZE	TOOL FRAME		POSITIONER/LOCATOR	
		WIRED CONTACT	UNWIRED CONTACT		PART NUMBER	SETTING	PART NUMBER	COLOR
M39029/4-110	M81969/14-02 M81969/14-11	M81969/14-02 M81969/14-11	M81969/30-02	20-24	M22520/1-01 M22520/2-01 M22520/7-01	-	M22520/1-02 M22520/2-02 M22520/7-02	Red - -
M39029/4-111	M81969/14-03	M81969/14-03	M81969/30-03	16-20	M22520/1-01 M22520/7-01	-	M22520/1-02 M22520/7-03	Blue -
M39029/4-112	M81969/14-02 M81969/14-11	M81969/14-02 M81969/14-11	M81969/30-05	16-20	M22520/1-01 M22520/7-01	-	M22520/1-02 M22520/7-03	Blue -
M39029/4-113	M81969/14-04	M81969/14-04	M81969/30-04	12-14	M22520/1-01	-	M22520/1-02	Yellow
M39029/4-114	M81969/14-03	M81969/14-03	M81969/30-06	16-20	M22520/1-01	-	M22520/1-02	Blue
M39029/5-115	M81969/8-05 M81969/14-02 M81969/14-11	M81969/8-06 M81969/14-02 M81969/14-11	M81969/30-02	20-24	M22520/1-01 M22520/2-01 M22520/7-01	-	M22520/1-02 M22520/2-02 M22520/7-02	Red - -
M39029/5-116	M81969/8-07 M81969/14-03	M81969/8-08 M81969/14-03	M81969/30-03	16-20	M22520/1-01 M22520/7-01	-	M22520/1-02 M22520/7-03	Blue
M39029/5-117	M81969/8-05 M81969/14-02 M81969/14-11	M81969/8-06 M81969/14-02 M81969/14-11	M81969/30-05	20-24	M22520/1-01 M22520/7-01	-	M22520/1-02 M22520/7-03	Blue - -
M39029/5-118	M81969/8-09 M81969/14-04	M81969/8-10 M81969/14-04	M81969/30-04	12-14	M22520/1-01	-	M22520/1-02	Yellow
M39029/5-119	M81969/8-07 M81969/14-03	M81969/8-08 M81969/14-03	M81969/30-06	16-20	M22520/1-01	-	M22520/1-02	Blue

SC70SV* WALL MOUNT RECEPTACLE

MIL-DTL-26482 SERIES 2 - CRIMP REAR RELEASE CONTACTS (MS3470)



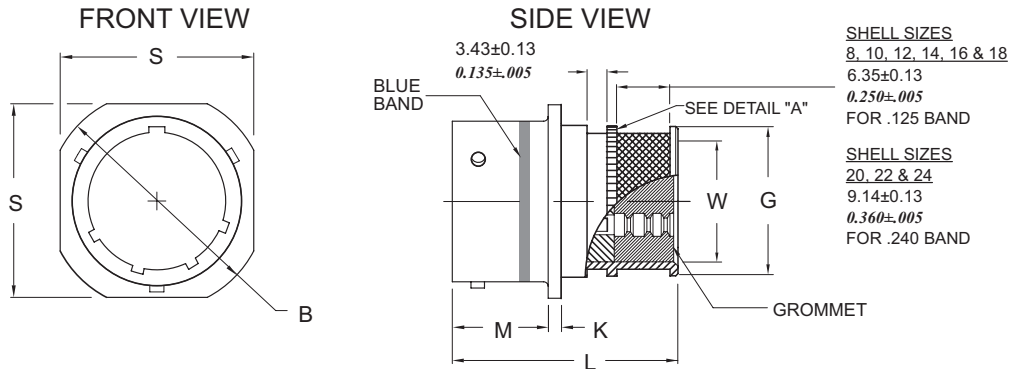
SC70SV* Environmental

SHELL SIZE	FRONT VIEW			SIDE VIEW					PANEL CUT-OUT		
	R TYP.	S TYP.	T ±0.25±.010	G MAX	K ±0.41±.016	L MAX	M +0.41±.016 -0.38/-0.15	W ±0.13±.005	B TYP.	C ±0.13±.005	D ±0.25±.010
8	15.09/0.594	21.03/0.828	3.05/0.120	12.83/0.505	1.57/0.062	35.81/1.410	11.33/0.446	9.40 / 0.370	15.09/0.594	3.05/0.120	14.43/0.568
10	18.26/0.719	24.23/0.954	3.05/0.120	16.00/0.630	1.57/0.062	35.81/1.410	11.33/0.446	12.62/0.497	18.26/0.719	3.05/0.120	17.40/0.685
12	20.62/0.812	26.59/1.047	3.05/0.120	19.18/0.755	1.57/0.062	35.81/1.410	11.33/0.446	15.57/0.613	20.62/0.812	3.05/0.120	21.95/0.864
14	23.01/0.906	28.98/1.141	3.05/0.120	22.35/0.880	1.57/0.062	35.81/1.410	11.33/0.446	18.75/0.738	23.01/0.906	3.05/0.120	25.12/0.989
16	24.61/0.969	31.34/1.234	3.05/0.120	25.53/1.005	1.57/0.062	35.81/1.410	11.33/0.446	21.92/0.863	24.61/0.969	3.05/0.120	28.27/1.113
18	26.97/1.062	33.73/1.328	3.05/0.120	27.05/1.065	1.57/0.062	35.81/1.410	11.33/0.446	23.34/0.919	26.97/1.062	3.05/0.120	31.45/1.238
20	29.36/1.156	36.91/1.453	3.05/0.120	30.22/1.190	2.39/0.094	37.46/1.475	14.53/0.572	26.52/1.044	29.36/1.156	3.05/0.120	34.62/1.363
22	31.75/1.250	40.08/1.578	3.05/0.120	33.40/1.315	2.39/0.094	37.46/1.475	14.53/0.572	29.69/1.169	31.75/1.250	3.05/0.120	37.80/1.488
24	34.92/1.375	43.26/1.703	3.73/0.147	36.58/1.440	2.39/0.094	37.46/1.475	15.34/0.604	32.87/1.294	34.92/1.375	3.73/0.147	41.02/1.615

DIMENSIONS IN *ITALIC* ARE INCHES.

SC71SV* IN-LINE RECEPTACLE

MIL-DTL-26482 SERIES 2 - CRIMP REAR RELEASE CONTACTS (MS3471)



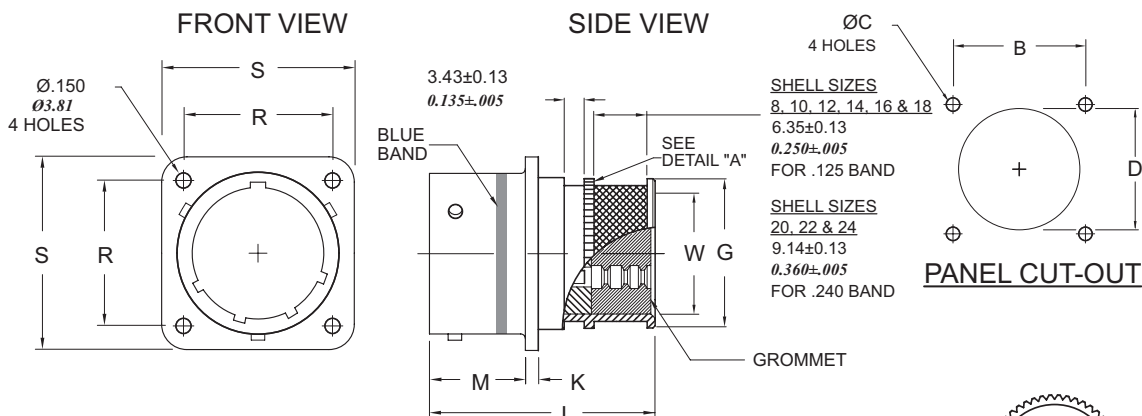
SC71SV* Environmental

SHELL SIZE	FRONT VIEW		SIDE VIEW				
	B ±0.76±.030	S TYP.	G MAX	K ±0.41±.016	L MAX	M +0.41±.016 -0.38/-0.15	W ±0.13±.005
8	24.08/0.948	21.03/0.828	12.83/0.505	1.57/0.062	35.81/1.410	11.33/0.446	9.40 / 0.370
10	27.23/1.072	24.23/0.954	16.00/0.630	1.57/0.062	35.81/1.410	11.33/0.446	12.62/0.497
12	29.62/1.166	26.59/1.047	19.18/0.755	1.57/0.062	35.81/1.410	11.33/0.446	15.57/0.613
14	32.00/1.260	28.98/1.141	22.35/0.880	1.57/0.062	35.81/1.410	11.33/0.446	18.75/0.738
16	34.39/1.354	31.34/1.234	25.53/1.005	1.57/0.062	35.81/1.410	11.33/0.446	21.92/0.863
18	36.78/1.448	33.73/1.328	27.05/1.065	1.57/0.062	35.81/1.410	11.33/0.446	23.34/0.919
20	39.93/1.572	36.91/1.453	30.22/1.190	2.39/0.094	37.46/1.475	14.53/0.572	26.52/1.044
22	43.13/1.698	40.08/1.578	33.40/1.315	2.39/0.094	37.46/1.475	14.53/0.572	29.69/1.169
24	46.28/1.822	43.26/1.703	36.58/1.440	2.39/0.094	37.46/1.475	15.34/0.604	32.87/1.294

DIMENSIONS IN *ITALIC* ARE INCHES.

WIDE FLANGE WALL MOUNT RECEPTACLE **SC72SV***

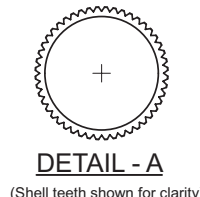
MIL-DTL-26482 SERIES 2 - CRIMP REAR RELEASE CONTACTS (MS3472)



SC72SV* Environmental

SHELL SIZE	FRONT VIEW		SIDE VIEW					PANEL CUT-OUT		
	R TYP.	S TYP.	G MAX	K $\pm 0.41/\pm 0.16$	L MAX	M $+0.41/\pm 0.16$ $-0.38/\pm 0.15$	W $\pm 0.13/\pm 0.005$	B TYP.	C $\pm 0.25/\pm 0.10$	D $\pm 0.13/\pm 0.005$
8	18.64/0.734	27.05/1.065	12.83/0.505	1.57/0.062	35.81/1.410	12.12/0.477	9.40/0.370	18.64/0.734	3.81/0.150	14.43/0.568
10	20.62/0.812	28.98/1.141	16.00/0.630	1.57/0.062	35.81/1.410	12.12/0.477	12.62/0.497	20.62/0.812	3.81/0.150	17.40/0.685
12	23.83/0.938	32.16/1.266	19.18/0.755	1.57/0.062	35.81/1.410	12.12/0.477	15.57/0.613	23.83/0.938	3.81/0.150	21.95/0.864
14	26.19/1.031	34.54/1.360	22.35/0.880	1.57/0.062	35.81/1.410	12.12/0.477	18.75/0.738	26.19/1.031	3.81/0.150	25.12/0.989
16	28.57/1.125	36.91/1.453	25.53/1.005	1.57/0.062	35.81/1.410	12.12/0.477	21.92/0.863	28.57/1.125	3.81/0.150	28.27/1.113
18	30.56/1.203	38.91/1.532	27.05/1.065	1.57/0.062	35.81/1.410	12.12/0.477	23.34/0.919	30.56/1.203	3.81/0.150	31.45/1.238
20	32.94/1.297	42.88/1.688	30.22/1.190	2.39/0.094	37.46/1.475	14.50/0.571	26.52/1.044	32.94/1.297	3.81/0.150	34.62/1.363
22	34.92/1.375	44.86/1.766	33.40/1.315	2.39/0.094	37.46/1.475	14.50/0.571	29.69/1.169	34.92/1.375	3.81/0.150	37.80/1.488
24	38.10/1.500	48.03/1.891	36.58/1.440	2.39/0.094	37.46/1.475	15.34/0.604	32.87/1.294	38.10/1.500	3.81/0.150	41.02/1.615

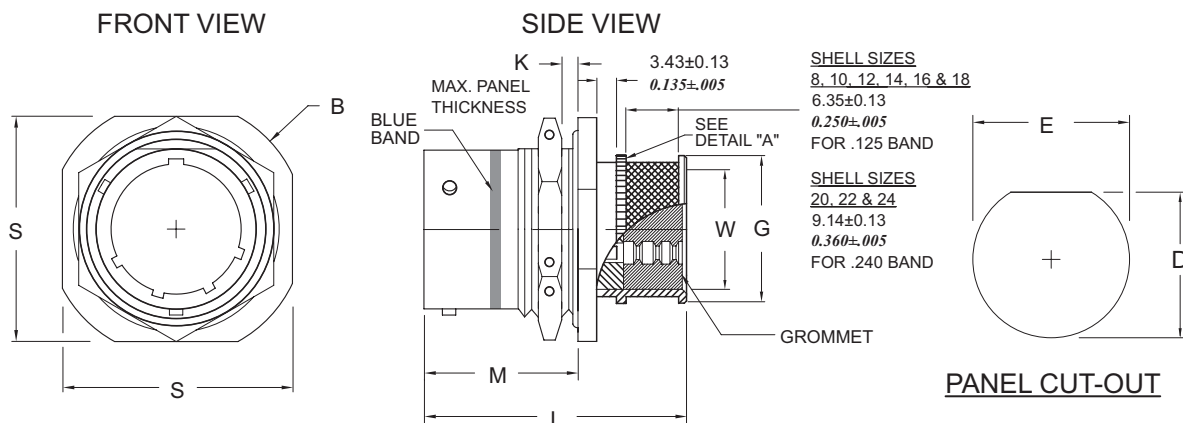
DIMENSIONS IN *ITALIC* ARE INCHES.



(Shell teeth shown for clarity)

JAM NUT RECEPTACLE **SC74SV***

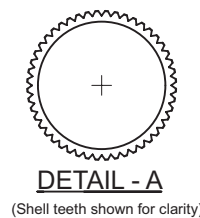
MIL-DTL-26482 SERIES 2 - CRIMP REAR RELEASE CONTACTS (MS3474)



SC74SV* Environmental, with grommet

SHELL SIZE	FRONT VIEW		SIDE VIEW					PANEL CUT-OUT	
	B $+0.41/\pm 0.16$ $-0.38/\pm 0.15$	S $+0.41/\pm 0.16$ $-0.38/\pm 0.15$	G MAX	K MAX	L MAX	M $\pm 0.64/\pm 0.25$	W $\pm 0.13/\pm 0.005$	D $\pm 0.13/\pm 0.005$	E $\pm 0.13/\pm 0.005$
8	27.00/1.063	23.83/0.938	12.83/0.505	4.75/0.187	35.81/1.410	17.35/0.683	9.40/0.370	13.61/0.536	14.53/0.572
10	30.15/1.187	27.00/1.063	16.00/0.630	4.75/0.187	35.81/1.410	17.35/0.683	12.62/0.497	16.79/0.661	17.70/0.697
12	34.19/1.346	31.75/1.250	19.18/0.755	4.75/0.187	35.81/1.410	17.35/0.683	15.57/0.613	20.93/0.824	22.73/0.895
14	38.10/1.500	34.19/1.346	22.35/0.880	4.75/0.187	35.81/1.410	17.35/0.683	18.75/0.738	24.08/0.948	25.65/1.010
16	41.27/1.625	38.10/1.500	25.53/1.005	4.75/0.187	35.81/1.410	17.35/0.683	21.92/0.863	27.23/1.072	28.83/1.135
18	44.45/1.750	41.27/1.625	27.05/1.065	4.75/0.187	35.81/1.410	17.35/0.683	23.34/0.919	30.40/1.197	32.00/1.260
20	49.23/1.938	46.02/1.812	30.22/1.190	6.35/0.250	37.46/1.475	18.95/0.746	26.52/1.044	33.58/1.322	35.18/1.385
22	52.40/2.063	49.23/1.938	33.40/1.315	6.35/0.250	37.46/1.475	18.95/0.746	29.69/1.169	36.75/1.447	38.35/1.510
24	55.55/2.187	52.40/2.063	36.58/1.440	5.56/0.219	37.46/1.475	18.95/0.746	32.87/1.294	39.93/1.572	41.53/1.635

DIMENSIONS IN *ITALIC* ARE INCHES.



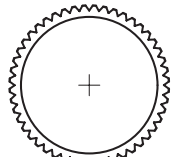
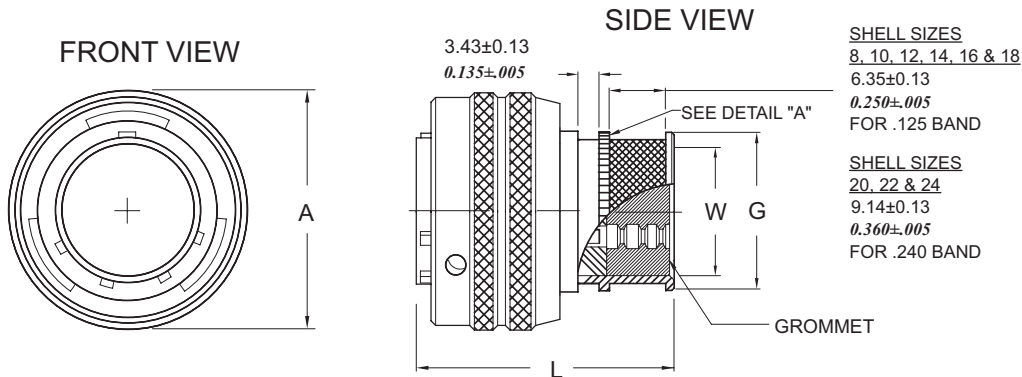
(Shell teeth shown for clarity)

SC75SV* STRAIGHT PLUG EMI/RFI GROUNDING

MIL-DTL-26482 SERIES 2 - CRIMP REAR RELEASE (MS3475)

SC76SV* STRAIGHT PLUG

MIL-DTL-26482 SERIES 2 - CRIMP REAR RELEASE (MS3476)



DETAIL - A

(Shell teeth shown for clarity)

SC75SV* Environmental, with grounding spring

SC76SV* Environmental

SHELL SIZE	FRONT VIEW	SIDE VIEW		
	A MAX	G MAX	L MAX	W ±0.13±.005
8	19.86/ <i>0.782</i>	12.83/ <i>0.505</i>	35.81/ <i>1.410</i>	9.40 / <i>0.370</i>
10	23.52/ <i>0.935</i>	16.00/ <i>0.630</i>	35.81/ <i>1.410</i>	12.62/ <i>0.497</i>
12	26.49/ <i>1.043</i>	19.18/ <i>0.755</i>	35.81/ <i>1.410</i>	15.57/ <i>0.613</i>
14	30.05/ <i>1.183</i>	22.35/ <i>0.880</i>	35.81/ <i>1.410</i>	18.75/ <i>0.738</i>
16	33.15/ <i>1.305</i>	25.53/ <i>1.005</i>	35.81/ <i>1.410</i>	21.92/ <i>0.863</i>
18	35.33/ <i>1.391</i>	27.05/ <i>1.065</i>	35.81/ <i>1.410</i>	23.34/ <i>0.919</i>
20	38.89/ <i>1.531</i>	30.22/ <i>1.190</i>	37.46/ <i>1.475</i>	26.52/ <i>1.044</i>
22	42.06/ <i>1.656</i>	33.40/ <i>1.315</i>	37.46/ <i>1.475</i>	29.69/ <i>1.169</i>
24	45.14/ <i>1.777</i>	36.58/ <i>1.440</i>	37.46/ <i>1.475</i>	32.87/ <i>1.294</i>

DIMENSIONS IN *ITALIC* ARE INCHES.

CRIMP REAR RELEASE - MIL-DTL-38999 SERIES I

ORDERING INFORMATION

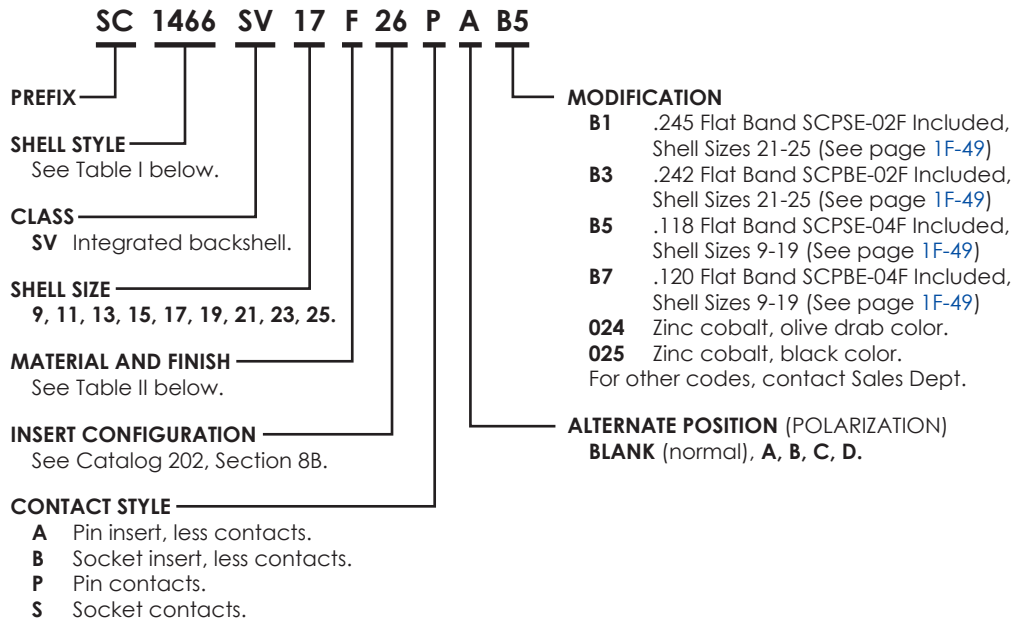


TABLE I. SHELL STYLE

PREFIX & SHELL STYLE	DESCRIPTION	SEE PAGE
SC1001	In-line receptacle	1F-38
SC1466	Wall mount receptacle	1F-38
SC1467	Straight plug, EMI grounding	1F-39
SC1468	Jam nut receptacle	1F-39
SC1656	Wall mount receptacle, rear panel mounting	1F-40

TABLE II. MATERIAL/FINISH

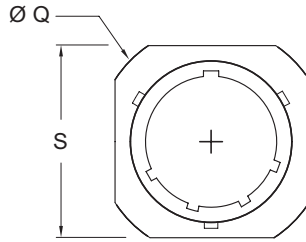
CODE	MATERIAL	FINISH	TEMP RANGE
A	Aluminum	Bright or gold cadmium over nickel	-65°C to +150°C
B	Aluminum	Olive drab cadmium over nickel	-65°C to +175°C
C	Aluminum	Non-conductive anodize, black	-65°C to +200°C
F	Aluminum	Electroless nickel	-65°C to +200°C
N	Stainless Steel	Electrodeposited nickel	-65°C to +200°C
R ¹	Aluminum	Electroless nickel	-65°C to +175°C
S	Stainless Steel	Passivated	-65°C to +200°C
T	Aluminum	Nickel fluorocarbon polymer	-65°C to +175°C
U	Aluminum	Bright or gold cadmium over nickel	-65°C to +175°C
W	Aluminum	Cadmium olive drab 500 hr. salt spray	-65°C to +175°C
X ²	Aluminum	Cadmium olive drab 1000 hr. salt spray	-65°C to +175°C
Z	Aluminum	Zinc nickel, 500 hr.	-65°C to +175°C

1 - Class R same as F, but higher corrosion requirement
2 - Class X same as W, but higher corrosion requirement

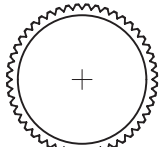
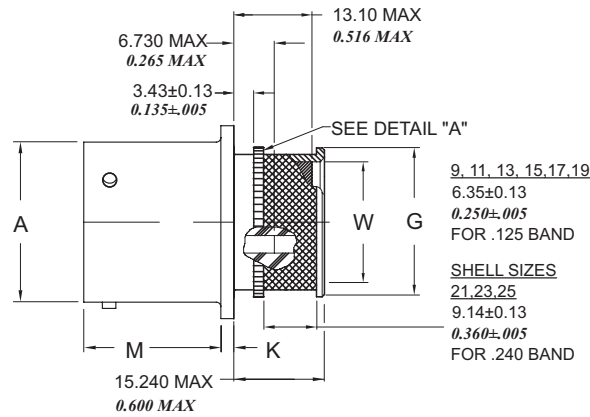
SC1001SV* IN-LINE RECEPTACLE

MIL-DTL-38999 SERIES I

FRONT VIEW



SIDE VIEW



DETAIL - A
(Shell teeth shown for clarity)

SC1001SV* Environmental

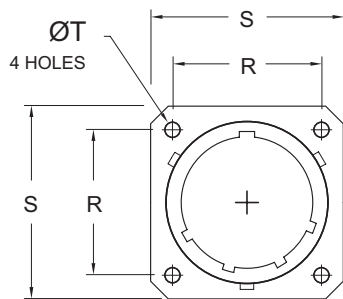
SHELL SIZE	FRONT VIEW		SIDE VIEW				
	Q MAX	S ±0.51±.020	A ±0.08±.003	G ±0.08±.003	K +0.00/+0.000 -0.13/-0.005	M +0.00/+0.000 -0.13/-0.005	W MAX
9	27.79/1.094	23.83/0.938	14.53/0.572	11.05/0.435	2.16/0.085	16.05/0.632	8.56 /0.337
11	30.18/1.188	26.19/1.031	17.78/0.700	14.22/0.560	2.16/0.085	16.05/0.632	11.68/0.460
13	32.54/1.281	28.57/1.125	21.59/0.850	17.32/0.682	2.16/0.085	16.05/0.632	14.45/0.569
15	34.92/1.375	30.96/1.219	24.76/0.975	20.50/0.807	2.16/0.085	16.05/0.632	17.63/0.694
17	37.31/1.469	33.32/1.312	27.94/1.100	23.67/0.932	2.16/0.085	16.05/0.632	20.80/0.819
19	40.49/1.594	36.53/1.438	30.66/1.207	26.85/1.057	2.16/0.085	16.05/0.632	23.34/0.919
21	43.66/1.719	39.67/1.562	33.83/1.332	30.02/1.182	2.92/0.115	15.29/0.602	26.52/1.044
23	46.84/1.844	42.88/1.688	37.01/1.457	33.20/1.307	2.92/0.115	15.29/0.602	29.69/1.169
25	50.01/1.969	46.02/1.812	40.18/1.582	36.37/1.432	2.92/0.115	15.29/0.602	32.87/1.294

DIMENSIONS IN *ITALIC* ARE INCHES.

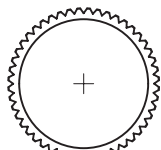
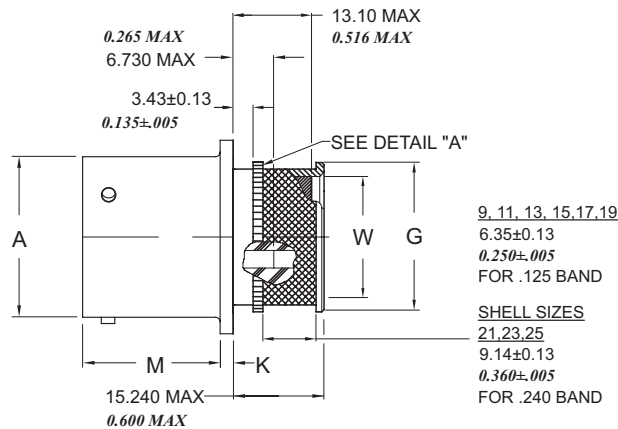
SC1466SV* WALL MOUNT RECEPTACLE

MIL-DTL-38999 SERIES I (MS27466)

FRONT VIEW



SIDE VIEW



DETAIL - A
(Shell teeth shown for clarity)

SC1466SV* Environmental

SHELL SIZE	FRONT VIEW			SIDE VIEW				
	R T.P	S ±0.51±.020	T +0.25/+0.010 -0.13/-0.005	A ±0.08±.003	G ±0.08±.003	K +0.00/+0.000 -0.13/-0.005	M +0.00/+0.000 -0.13/-0.005	W MAX
9	15.09/0.719	23.83/0.938	3.25/0.128	14.53/0.572	11.05/0.435	2.16/0.085	16.05/0.632	8.56 /0.337
11	20.62/0.812	26.19/1.031	3.25/0.128	17.78/0.700	14.22/0.560	2.16/0.085	16.05/0.632	11.68/0.460
13	23.01/0.906	28.57/1.125	3.25/0.128	21.59/0.850	17.32/0.682	2.16/0.085	16.05/0.632	14.45/0.569
15	24.61/0.969	30.96/1.219	3.25/0.128	24.76/0.975	20.50/0.807	2.16/0.085	16.05/0.632	17.63/0.694
17	26.97/1.062	33.32/1.312	3.25/0.128	27.94/1.100	23.67/0.932	2.16/0.085	16.05/0.632	20.80/0.819
19	29.36/1.156	36.53/1.438	3.25/0.128	30.66/1.207	26.85/1.057	2.16/0.085	16.05/0.632	23.34/0.919
21	31.75/1.250	39.67/1.562	3.25/0.128	33.83/1.332	30.02/1.182	2.92/0.115	15.29/0.602	26.52/1.044
23	34.92/1.375	42.88/1.688	3.73/0.147	37.01/1.457	33.20/1.307	2.92/0.115	15.29/0.602	29.69/1.169
25	38.10/1.500	46.02/1.812	3.73/0.147	40.18/1.582	36.37/1.432	2.92/0.115	15.29/0.602	32.87/1.294

DIMENSIONS IN *ITALIC* ARE INCHES.

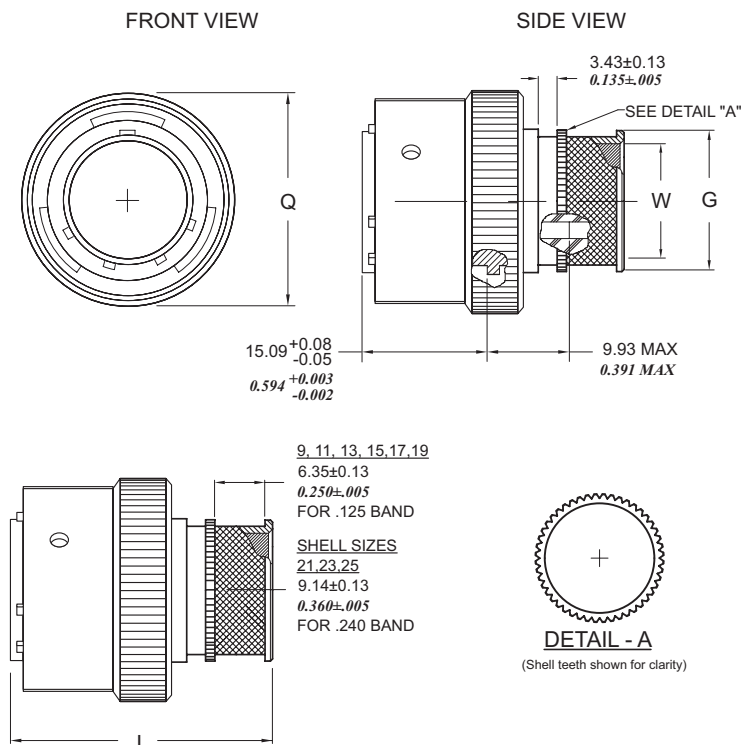
STRAIGHT PLUG EMI/RFI **SC1467SV***

MIL-DTL-38999 SERIES I (MS27467)

SC1467SV* Environmental

SHELL SIZE	FRONT VIEW		SIDE VIEW	
	Q MAX	G ±0.08/±.003	L MAX	W MAX
9	21.44/0.844	11.05/0.435	40.64/1.600	8.56 / 0.337
11	24.61/0.969	14.22/0.560	40.64/1.600	11.68 / 0.460
13	28.98/1.141	17.32/0.682	40.64/1.600	14.45 / 0.569
15	32.16/1.266	20.50/0.807	40.64/1.600	17.63 / 0.694
17	35.33/1.391	23.67/0.932	40.64/1.600	20.80 / 0.819
19	38.10/1.500	26.85/1.057	40.64/1.600	23.34 / 0.919
21	41.27/1.625	30.02/1.182	43.18/1.700	26.52/1.044
23	44.45/1.750	33.20/1.307	43.18/1.700	29.69/1.169
25	47.62/1.875	36.37/1.432	43.18/1.700	32.87/1.294

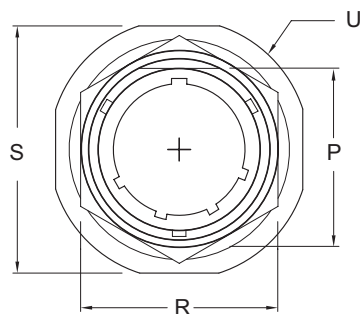
DIMENSIONS IN *ITALIC* ARE INCHES.



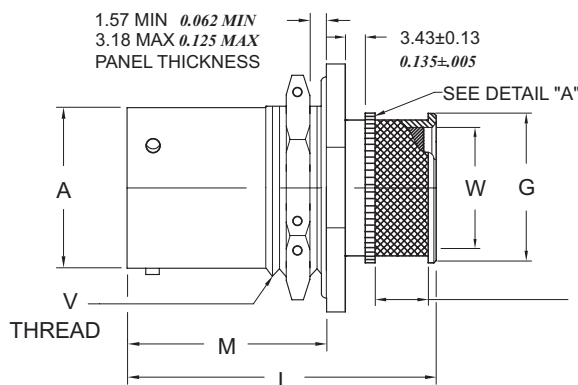
JAM NUT RECEPTACLE **SC1468SV***

MIL-DTL-38999 SERIES I (MS 27468)

FRONT VIEW



SIDE VIEW



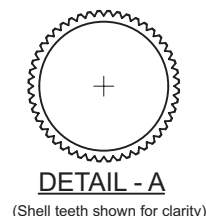
SHELL SIZES
9, 11, 13, 15, 17, 19
6.35±0.13
0.250±.005
FOR .125 BAND

SHELL SIZES
21, 23, 25
9.14±0.13
0.360±.005
FOR .240 BAND

SC1468SV* Environmental

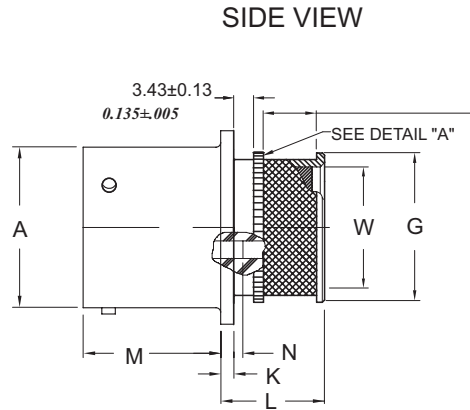
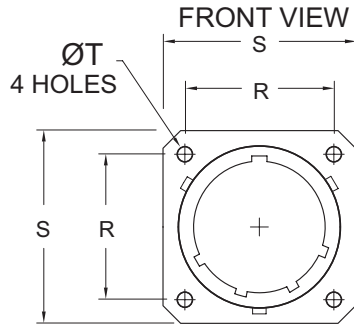
SHELL SIZE	FRONT VIEW			SIDE VIEW						
	R ±0.43/±.017	S ±0.41/±.016	U ±0.41/±.016	A ±0.08/±.003	G ±0.08/±.003	L MAX	M ±0.13/±.005	P +0.00/±.000 -0.25/±.013	W MAX	V THREADS
9	22.22/0.875	26.97/1.062	30.18/1.188	14.53/0.572	11.05 / 0.435	38.86/1.530	23.24/0.915	16.64/0.655	8.56 / 0.337	.6875-24 UNEF
11	25.40/1.000	31.75/1.250	34.93/1.375	17.78/0.700	14.22 / 0.560	38.86/1.530	23.24/0.915	19.18/0.755	11.68 / 0.460	.8125-20 UNEF
13	30.18/1.188	34.92/1.375	38.10/1.500	21.59/0.850	17.32 / 0.682	38.86/1.530	23.24/0.915	23.93/0.942	14.45 / 0.569	1.000-20 UNEF
15	33.32/1.312	38.10/1.500	41.28/1.625	24.76/0.975	20.50 / 0.807	38.86/1.530	23.24/0.915	27.08/1.066	17.63 / 0.694	1.125-18 UNEF
17	36.53/1.438	41.27/1.625	44.45/1.750	27.94/1.100	23.67 / 0.932	38.86/1.530	23.24/0.915	30.25/1.191	20.80 / 0.819	1.250-18 UNEF
19	39.67/1.562	46.02/1.812	49.23/1.938	30.66/1.207	26.85 / 1.057	39.62/1.560	23.24/0.915	33.43/1.316	23.34 / 0.919	1.375-18 UNEF
21	42.88/1.688	49.23/1.938	52.37/2.062	33.83/1.332	30.02 / 1.182	42.55/1.675	23.24/0.915	36.60/1.441	26.52/1.044	1.500-18 UNEF
23	46.02/1.812	52.37/2.062	55.58/2.188	37.01/1.457	33.20 / 1.307	42.55/1.675	23.24/0.915	39.78/1.566	29.69/1.169	1.625-18 UNEF
25	50.80/2.000	55.58/2.188	58.72/2.312	40.18/1.582	36.37 / 1.432	42.55/1.675	23.24/0.915	42.95/1.691	32.87/1.294	1.750-18 UNS

DIMENSIONS IN *ITALIC* ARE INCHES.



SC1656SV* WALL MOUNT RECEPTACLE, REAR PANEL MOUNT

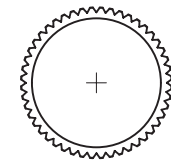
MIL-DTL-38999 SERIES I (MS27656)



SHELL SIZES
9, 11, 13, 15, 17, 19
 6.35±0.13
 0.250±.005
 FOR .125 BAND

SHELL SIZES
21, 23, 25
 9.14±0.13
 0.360±.005
 FOR .240 BAND

SC1656SV* Environmental



DETAIL - A
 (Shell teeth shown for clarity)

SHELL SIZE	FRONT VIEW			SIDE VIEW						
	R T.P	S ±0.51/±.020	T +0.25/+.010 -0.13/- .005	A ±0.08/±.003	G ±0.08/±.003	K +0.00/+.000 -0.13/- .005	L MAX	M +0.00/+.000 -0.13/- .005	N ±0.79/±.031	W MAX
9	15.09/0.719	23.83/0.938	3.25/0.128	14.53/0.572	11.05/0.435	2.16/0.085	15.24/0.600	20.83/0.820	2.72/0.107	8.56 / 0.337
11	20.62/0.812	26.19/1.031	3.25/0.128	17.78/0.700	14.22/0.560	2.16/0.085	15.24/0.600	20.83/0.820	2.72/0.107	11.68 / 0.460
13	23.01/0.906	28.57/1.125	3.25/0.128	21.59/0.850	17.32/0.682	2.16/0.085	15.24/0.600	20.83/0.820	2.72/0.107	14.45/ 0.569
15	24.61/0.969	30.96/1.219	3.25/0.128	24.76/0.975	20.50/0.807	2.16/0.085	15.24/0.600	20.83/0.820	2.72/0.107	17.63/ 0.694
17	26.97/1.062	33.32/1.312	3.25/0.128	27.94/1.100	23.67/0.932	2.16/0.085	15.24/0.600	20.83/0.820	2.72/0.107	20.80/ 0.819
19	29.36/1.156	36.53/1.438	3.25/0.128	30.66/1.207	26.85/1.057	2.16/0.085	15.24/0.600	20.83/0.820	2.72/0.107	23.34/ 0.919
21	31.75/1.250	39.67/1.562	3.25/0.128	33.83/1.332	30.02/1.182	2.92/0.115	18.29/0.720	20.07/0.790	3.48/0.137	26.52/ 1.044
23	34.92/1.375	42.88/1.688	3.73/0.147	37.01/1.457	33.20/1.307	2.92/0.115	18.29/0.720	20.07/0.790	3.48/0.137	29.69/ 1.169
25	38.10/1.500	46.02/1.812	3.73/0.147	40.18/1.582	36.37/1.432	2.92/0.115	18.29/0.720	20.07/0.790	3.48/0.137	32.87/ 1.294

DIMENSIONS IN *ITALIC* ARE INCHES.

CRIMP REAR RELEASE - MIL-DTL-38999 SERIES II

ORDERING INFORMATION

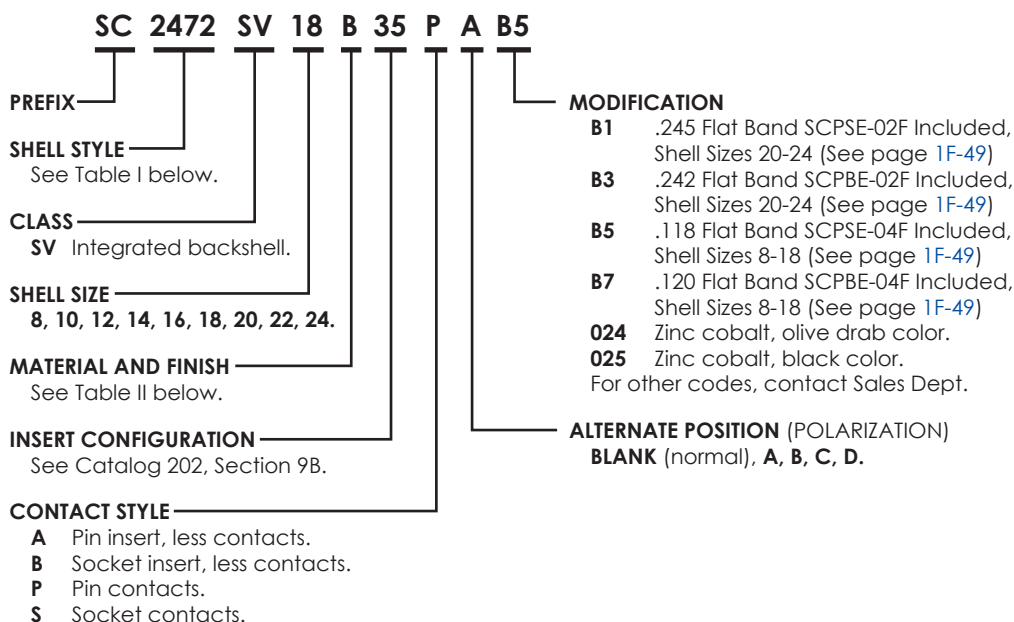


TABLE I. SHELL STYLE

PREFIX & SHELL STYLE	DESCRIPTION	SEE PAGE
SC2001	In-line receptacle	1F-42
SC2472	Wall mount receptacle	1F-42
SC2473	Straight plug	1F-43
SC2474	Jam nut receptacle	1F-43
SC2484	Straight plug, EMI grounding	1F-44
SC2497	Wall mount receptacle, rear panel mounting	1F-44

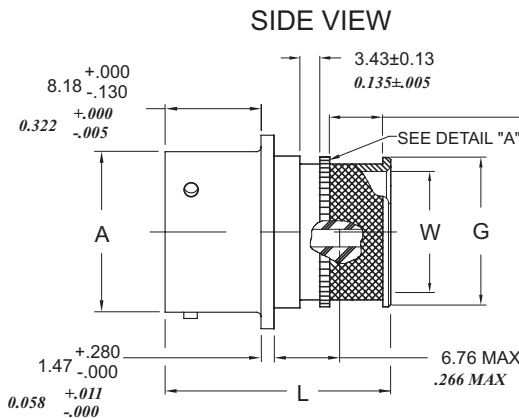
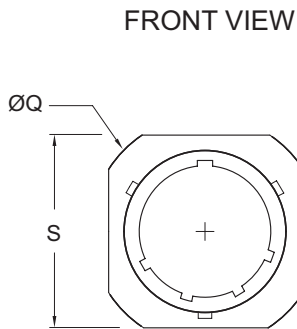
TABLE II. MATERIAL/FINISH

CODE	MATERIAL	FINISH	TEMP RANGE
A	Aluminum	Bright or gold cadmium over nickel	-65°C to +150°C
B	Aluminum	Olive drab cadmium over nickel	-65°C to +175°C
C	Aluminum	Non-conductive anodize, black	-65°C to +200°C
F	Aluminum	Electroless nickel	-65°C to +200°C
N	Stainless Steel	Electrodeposited nickel	-65°C to +200°C
R ¹	Aluminum	Electroless nickel	-65°C to +175°C
S	Stainless Steel	Passivated	-65°C to +200°C
T	Aluminum	Nickel fluorocarbon polymer	-65°C to +175°C
U	Aluminum	Bright or gold cadmium over nickel	-65°C to +175°C
W	Aluminum	Cadmium olive drab 500 hr. salt spray	-65°C to +175°C
X ²	Aluminum	Cadmium olive drab 1000 hr. salt spray	-65°C to +175°C
Z	Aluminum	Zinc nickel, black, 500 hr.	-65°C to +175°C

1 - Class R same as F, but higher corrosion requirement
2 - Class X same as W, but higher corrosion requirement

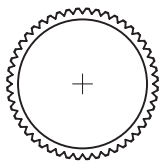
SC2001SV* IN-LINE RECEPTACLE

MIL-DTL-38999 SERIES II



SHELL SIZES
 8, 10, 12, 14, 16, 18
 6.35±0.13
 0.250±.005
 FOR .125 BAND

SHELL SIZES
 20, 22, 24
 9.14±0.13
 0.360±.005
 FOR .240 BAND



DETAIL - A
 (Shell teeth shown for clarity)

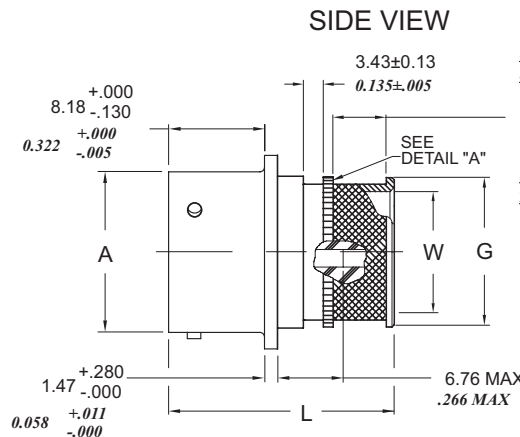
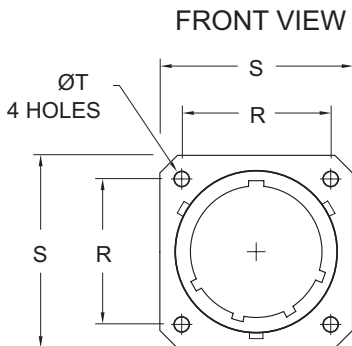
SC2001SV* Environmental

SHELL SIZE	FRONT VIEW		SIDE VIEW			
	Q MAX	S MAX	A +0.03/+0.01 -0.13/-0.005	G ±0.08±.003	L MAX	W MAX
8	24.51/0.965	21.03/0.828	12.01/0.473	11.05/0.435	25.40/1.000	8.56/0.337
10	27.66/1.089	24.23/0.954	14.99/0.590	14.22/0.560	25.40/1.000	11.68/0.460
12	30.05/1.183	26.59/1.047	19.05/0.750	17.32/0.682	25.40/1.000	14.45/0.569
14	32.44/1.277	28.98/1.141	22.22/0.875	20.50/0.807	25.40/1.000	17.63/0.694
16	34.82/1.371	31.34/1.234	25.40/1.000	23.67/0.932	25.40/1.000	20.80/0.819
18	37.21/1.465	33.73/1.328	28.57/1.125	26.85/1.057	25.40/1.000	23.34/0.919
20	40.36/1.589	36.91/1.453	31.75/1.250	30.02/1.182	25.40/1.000	26.52/1.044
22	43.56/1.715	40.08/1.578	34.92/1.375	33.20/1.307	25.40/1.000	29.69/1.169
24	46.69/1.838	43.26/1.703	38.10/1.500	36.37/1.432	25.40/1.000	32.87/1.294

DIMENSIONS IN *ITALIC* ARE INCHES.

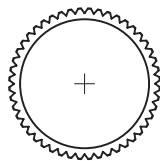
SC2472SV* WALL MOUNT RECEPTACLE

MIL-DTL-38999 SERIES II (MS27472)



SHELL SIZES
 8, 10, 12, 14, 16, 18
 6.35±0.13
 0.250±.005
 FOR .125 BAND

SHELL SIZES
 20, 22, 24
 9.14±0.13
 0.360±.005
 FOR .240 BAND



DETAIL - A
 (Shell teeth shown for clarity)

SC2472SV* Environmental

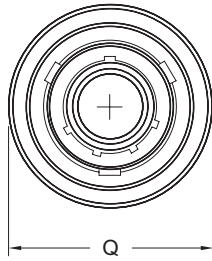
SHELL SIZE	FRONT VIEW			SIDE VIEW			
	R TP	S MAX	T +0.25/+0.10 -0.13/-0.005	A +0.03/+0.01 -0.13/-0.005	G ±0.08±.003	L MAX	W MAX
8	15.09/0.594	21.03/0.828	3.05/0.120	12.01/0.473	11.05/0.435	25.40/1.000	8.56/0.337
10	18.26/0.719	24.23/0.954	3.05/0.120	14.99/0.590	14.22/0.560	25.40/1.000	11.68/0.460
12	20.62/0.812	26.59/1.047	3.05/0.120	19.05/0.750	17.32/0.682	25.40/1.000	14.45/0.569
14	23.01/0.906	28.98/1.141	3.05/0.120	22.22/0.875	20.50/0.807	25.40/1.000	17.63/0.694
16	24.61/0.969	31.34/1.234	3.05/0.120	25.40/1.000	23.67/0.932	25.40/1.000	20.80/0.819
18	26.97/1.062	33.73/1.328	3.05/0.120	28.57/1.125	26.85/1.057	25.40/1.000	23.34/0.919
20	29.36/1.156	36.91/1.453	3.05/0.120	31.75/1.250	30.02/1.182	25.40/1.000	26.52/1.044
22	31.75/1.250	40.08/1.578	3.05/0.120	34.92/1.375	33.20/1.307	25.40/1.000	29.69/1.169
24	34.92/1.375	43.26/1.703	3.73/0.147	38.10/1.500	36.37/1.432	25.40/1.000	32.87/1.294

DIMENSIONS IN *ITALIC* ARE INCHES.

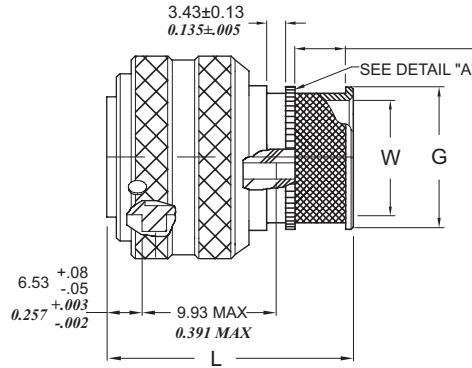
STRAIGHT PLUG **SC2473SV***

MIL-DTL-38999 SERIES II (MS27473)

FRONT VIEW



SIDE VIEW



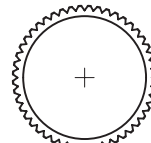
SHELL SIZES
8, 10, 12, 14, 16, 18
6.35±0.13
0.250±.005
FOR .125 BAND

SHELL SIZES
20, 22, 24
9.14±0.13
0.360±.005
FOR .240 BAND

SC2473SV* Environmental

SHELL SIZE	FRONT VIEW		SIDE VIEW			
	Q		G	L	W	
	MAX		MAX	MAX	MAX	MAX
8	18.64/0.734		11.05/0.435	32.39/1.275	8.56 /0.337	
10	21.44/0.844		14.22/0.560	32.39/1.275	11.68/0.460	
12	25.81/1.016		17.32/0.682	32.39/1.275	14.45/0.569	
14	28.98/1.141		20.50/0.807	32.39/1.275	17.63/0.694	
16	32.13/1.265		23.67/0.932	32.39/1.275	20.80/0.819	
18	35.33/1.391		26.85/1.057	32.39/1.275	23.34/0.919	
20	38.10/1.500		30.02/1.182	34.93/1.375	26.52/1.044	
22	41.27/1.625		33.20/1.307	34.93/1.375	29.69/1.169	
24	44.45/1.750		36.37/1.432	34.93/1.375	32.87/1.294	

DIMENSIONS IN *ITALIC* ARE INCHES.



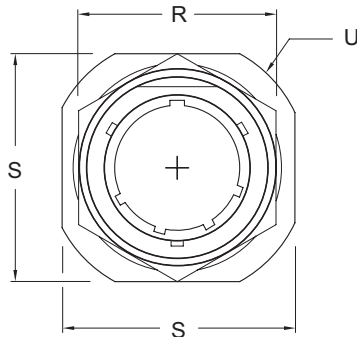
DETAIL - A

(Shell teeth shown for clarity)

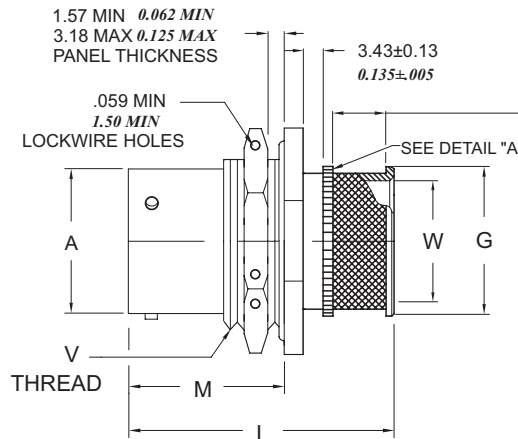
JAM NUT RECEPTACLE **SC2474SV***

MIL-DTL-38999 SERIES II (MS27474)

FRONT VIEW



SIDE VIEW



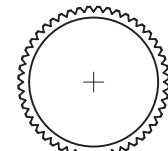
SHELL SIZES
8, 10, 12, 14, 16, 18
6.35±0.13
0.250±.005
FOR .125 BAND

SHELL SIZES
20, 22, 24
9.14±0.13
0.360±.005
FOR .240 BAND

SC2474SV* Environmental

SHELL SIZE	FRONT VIEW			SIDE VIEW					
	R	S	U	A	G	L	M	W	V
	+0.43/+0.017 / -0.41/-0.016	MAX	±0.41/±.016	+0.03/+0.001 / -0.13/-0.005	±0.08/±.003	MAX	±0.13/±.005	MAX	THREADS
8	26.97/1.062	31.75/1.250	35.31/1.390	12.01/0.473	11.05/0.435	27.94/1.100	11.13/0.438	8.56/0.337	.8750-20 UNEF
10	30.18/1.188	34.92/1.375	38.48/1.515	14.99/0.590	14.22/0.560	27.94/1.100	11.13/0.438	11.68/0.460	1.000-20 UNEF
12	33.32/1.312	38.10/1.500	41.66/1.640	19.05/0.750	17.32/0.682	27.94/1.100	11.13/0.438	14.45/0.569	1.125-18 UNEF
14	36.53/1.438	41.27/1.625	44.83/1.765	22.22/0.875	20.50/0.807	27.94/1.100	11.13/0.438	17.63/0.694	1.250-18 UNEF
16	39.67/1.562	45.24/1.781	49.61/1.953	25.40/1.000	23.67/0.932	27.94/1.100	11.13/0.438	20.80/0.819	1.375-18 UNEF
18	42.88/1.688	48.01/1.890	51.59/2.031	28.57/1.125	26.85/1.057	27.94/1.100	11.13/0.438	23.34/0.919	1.500-18 UNEF
20	46.02/1.812	51.21/2.016	54.76/2.156	31.75/1.250	30.02/1.182	30.48/1.200	11.79/0.464	26.52/1.044	1.625-18 UNEF
22	50.80/2.000	54.36/2.140	57.91/2.280	34.92/1.375	33.20/1.307	30.48/1.200	11.79/0.464	29.69/1.169	1.750-18 UNS
24	53.97/2.125	57.53/2.265	61.09/2.405	38.10/1.500	36.37/1.432	30.48/1.200	11.79/0.464	32.87/1.294	1.8750-16 UN

DIMENSIONS IN *ITALIC* ARE INCHES.

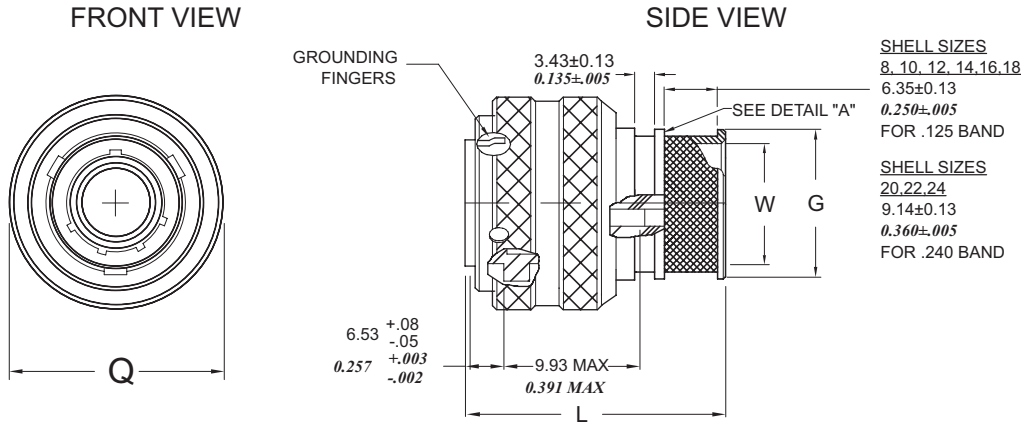


DETAIL - A

(Shell teeth shown for clarity)

SC2484SV* STRAIGHT PLUG EMI/RFI

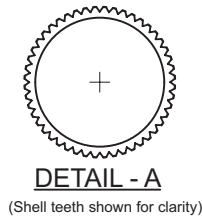
MIL-DTL-38999 SERIES II (MS27484)



SHELL SIZES
 8, 10, 12, 14, 16, 18
 6.35±0.13
 0.250±.005
 FOR .125 BAND

SHELL SIZES
 20, 22, 24
 9.14±0.13
 0.360±.005
 FOR .240 BAND

SC2484SV* Environmental with grounding spring

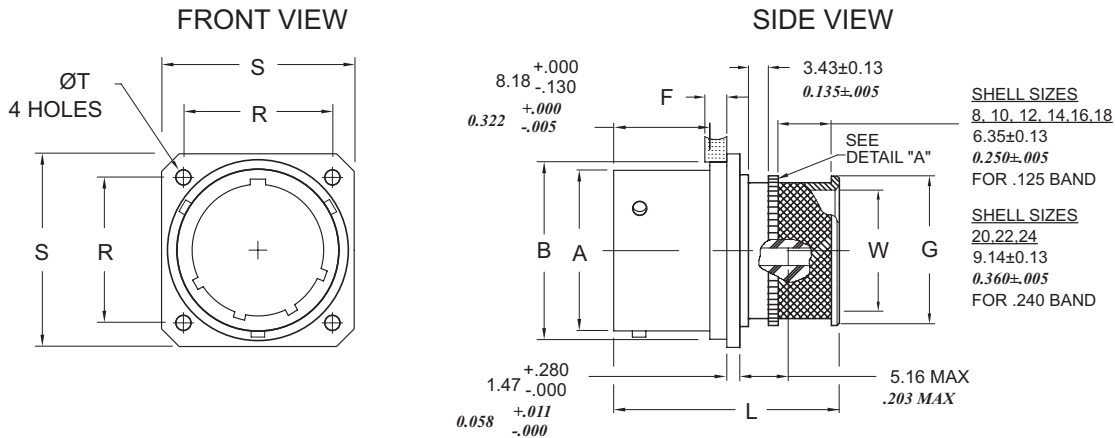


SHELL SIZE	FRONT VIEW		SIDE VIEW	
	Q MAX	G MAX	L MAX	W MAX
8	18.64/0.734	11.05/0.435	32.39/1.275	8.56/0.337
10	21.44/0.844	14.22/0.560	32.39/1.275	11.68/0.460
12	25.81/1.016	17.32/0.682	32.39/1.275	14.45/0.569
14	28.98/1.141	20.50/0.807	32.39/1.275	17.63/0.694
16	32.13/1.265	23.67/0.932	32.39/1.275	20.80/0.819
18	35.33/1.391	26.85/1.057	32.39/1.275	23.34/0.919
20	38.10/1.500	30.02/1.182	34.93/1.375	26.52/1.044
22	41.27/1.625	33.20/1.307	34.93/1.375	29.69/1.169
24	44.45/1.750	36.37/1.432	34.93/1.375	32.87/1.294

DIMENSIONS IN *ITALIC* ARE INCHES.

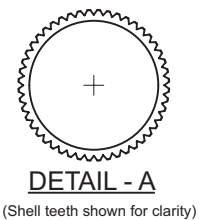
SC2497SV* WALL MOUNT RECEPTACLE, REAR PANEL MOUNT

MIL-DTL-38999 SERIES II (MS27497)



SHELL SIZES
 8, 10, 12, 14, 16, 18
 6.35±0.13
 0.250±.005
 FOR .125 BAND

SHELL SIZES
 20, 22, 24
 9.14±0.13
 0.360±.005
 FOR .240 BAND



SC2497SV* Environmental

SHELL SIZE	FRONT VIEW			SIDE VIEW					
	R T.P	S MAX	T +0.25/+0.010 -0.13/-0.005	A +0.03/+0.001 -0.13/-0.005	B MAX	F MAX PANEL THICKNESS	G ±0.08±.003	L MAX	W MAX
8	15.09/0.594	21.03/0.828	3.05/0.120	12.01/0.473	13.89/0.547	3.71/0.146	11.05/0.435	26.67/1.050	8.56/0.337
10	18.26/0.719	24.23/0.954	3.05/0.120	14.99/0.590	17.07/0.672	3.71/0.146	14.22/0.560	26.67/1.050	11.68/0.460
12	20.62/0.812	26.59/1.047	3.05/0.120	19.05/0.750	21.44/0.844	3.71/0.146	17.32/0.682	26.67/1.050	14.45/0.569
14	23.01/0.906	28.98/1.141	3.05/0.120	22.22/0.875	24.61/0.969	3.71/0.146	20.50/0.807	26.67/1.050	17.63/0.694
16	24.61/0.969	31.34/1.234	3.05/0.120	25.40/1.000	27.79/1.094	3.71/0.146	23.67/0.932	26.67/1.050	20.80/0.819
18	26.97/1.062	33.73/1.328	3.05/0.120	28.57/1.125	30.96/1.219	3.71/0.146	26.85/1.057	26.67/1.050	23.34/0.919
20	29.36/1.156	36.91/1.453	3.05/0.120	31.75/1.250	34.14/1.344	4.27/0.168	30.02/1.182	29.72/1.170	26.52/1.044
22	31.75/1.250	40.08/1.578	3.05/0.120	34.92/1.375	37.31/1.469	4.27/0.168	33.20/1.307	29.72/1.170	29.69/1.169
24	34.92/1.375	43.26/1.703	3.73/0.147	38.10/1.500	40.49/1.594	4.27/0.168	36.37/1.432	29.72/1.170	32.87/1.294

DIMENSIONS IN *ITALIC* ARE INCHES.

CRIMP REAR RELEASE - MIL-DTL-38999 SERIES III

ORDERING INFORMATION

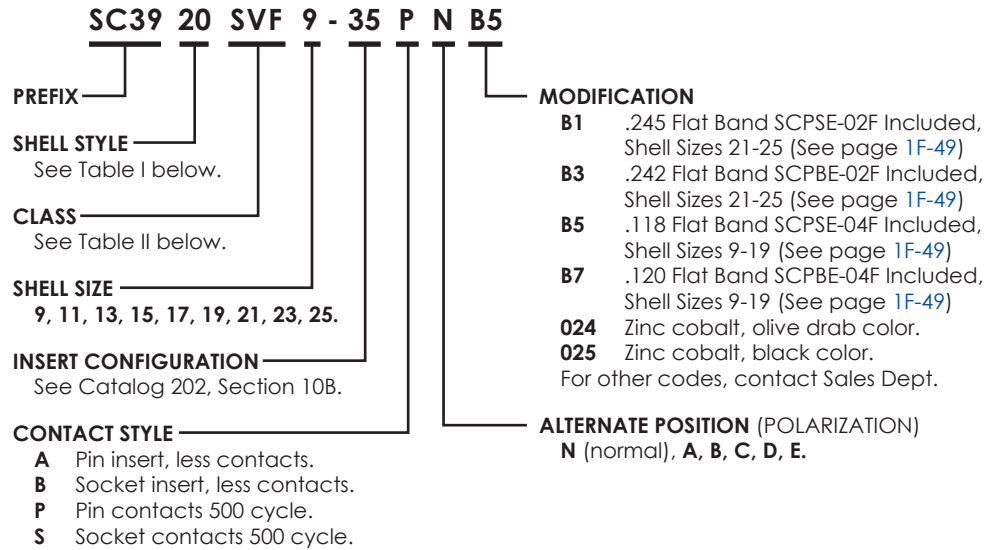


TABLE I. SHELL STYLE

PREFIX & SHELL STYLE	DESCRIPTION	SEE PAGE
SC3901	In-line receptacle	1F-46
SC3920	Wall mount receptacle	1F-46
SC3924	Jam nut receptacle	1F-47
SC3926	Straight plug, self-locking	1F-47

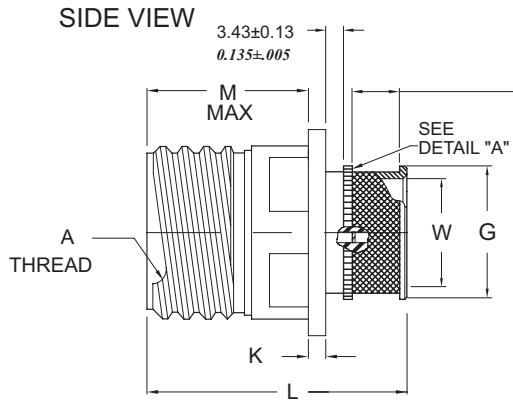
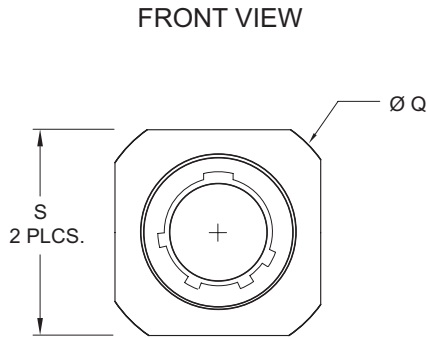
TABLE II. CLASS

CLASS	DESCRIPTION	MATERIAL	FINISH	TEMPERATURE
SVC	Environmental	Aluminum	Non-conductive anodize, black	-65° to 200°C
SVF	Environmental	Aluminum	Electroless nickel	-65° to 200°C
SVJ	Environmental	Composite	Cadmium olive drab	-65° to 175°C
SVK	Environmental firewall	Stainless Steel	Passivated	-65° to 200°C
SVL	Environmental	Stainless Steel	Electrodeposited nickel	-65° to 200°C
SVM	Environmental	Composite	Electroless nickel	-65° to 200°C
SVP	Environmental	Aluminum	Pure electrodeposited aluminum	-65° to 175°C
SVR*	Environmental	Aluminum	Electrodeposited nickel	-65° to 200°C
SVS	Environmental	Stainless Steel	Electrodeposited nickel	-65° to 200°C
SVT	Environmental	Aluminum	Nickel fluorocarbon polymer	-65° to 175°C
SVW	Environmental	Aluminum	Cadmium olive drab 500 hr. salt spray	-65° to 175°C
SVX	Environmental	Aluminum	Cadmium olive drab 1000 hr. salt spray	-65° to 175°C
SVZ	Environmental	Aluminum	Zinc nickel, black, 500 hr.	-65° to 175°C

* Class R same as F, but higher corrosion requirement

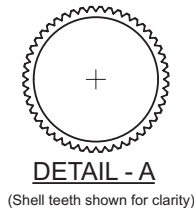
SC3901SV* IN-LINE RECEPTACLE

MIL-DTL-38999 SERIES III



SHELL SIZES
9, 11, 13, 15, 17 & 19
 6.35±0.13
 0.250±.005
 FOR .125 BAND

SHELL SIZES
21,23,25
 9.14±0.13
 0.360±.005
 FOR .240 BAND



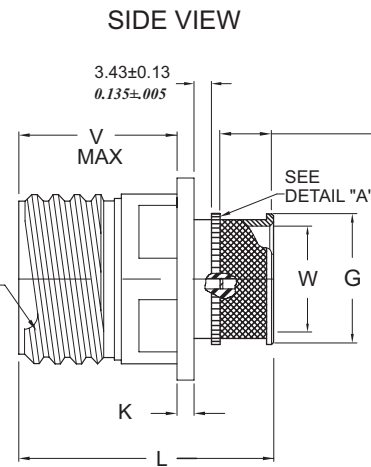
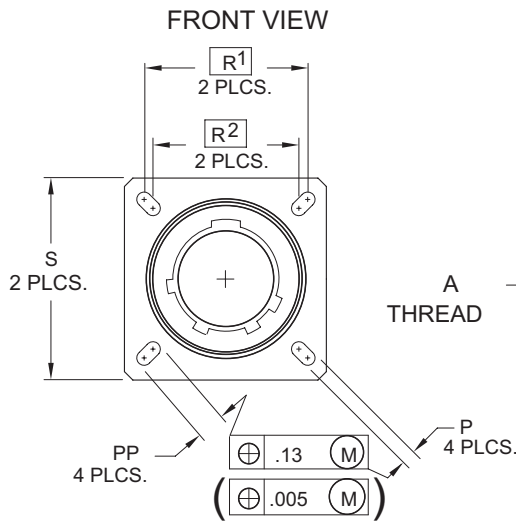
SC3901SV* Environmental

SHELL SIZE	FRONT VIEW		SIDE VIEW					
	Q ±0.25/±.010	S ±0.25/±.010	A THREAD CLASS 2A 0.1P-0.3L-TS	G MAX	K MAX	L MAX	M MAX	W MAX
9	20.62/0.812	17.15/0.675	.6250	12.00/0.472	2.50/0.098	36.83/1.450	20.83/0.820	8.56/0.337
11	22.99/0.905	20.32/0.800	.7500	15.00/0.591	2.50/0.098	36.83/1.450	20.83/0.820	11.68/0.460
13	27.76/1.093	23.50/0.925	.8750	18.00/0.709	2.50/0.098	36.83/1.450	20.83/0.820	14.45/0.569
15	30.96/1.219	26.67/1.050	1.0000	22.00/0.866	2.50/0.098	36.83/1.450	20.83/0.820	17.63/0.694
17	34.93/1.375	31.45/1.238	1.1875	25.00/0.984	2.50/0.098	36.83/1.450	20.83/0.820	20.80/0.819
19	37.31/1.469	33.02/1.300	1.2500	28.00/1.102	2.50/0.098	36.83/1.450	20.83/0.820	23.34/0.919
21	41.28/1.625	36.20/1.425	1.3750	31.00/1.220	3.20/0.126	39.37/1.550	20.07/0.790	26.52/1.044
23	44.45/1.750	39.37/1.550	1.5000	34.00/1.339	3.20/0.126	39.37/1.550	20.07/0.790	29.69/1.169
25	47.63/1.875	42.55/1.675	1.6250	37.00/1.457	3.20/0.126	39.37/1.550	20.07/0.790	32.87/1.294

DIMENSIONS IN *ITALIC* ARE INCHES.

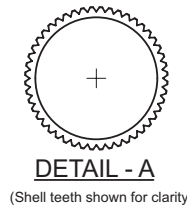
SC3920SV* WALL MOUNT RECEPTACLE

MIL-DTL-38999 SERIES III (D38999/20)



SHELL SIZES
9, 11, 13, 15, 17 & 19
 6.35±0.13
 0.250±.005
 FOR .125 BAND

SHELL SIZES
21,23,25
 9.14±0.13
 0.360±.005
 FOR .240 BAND



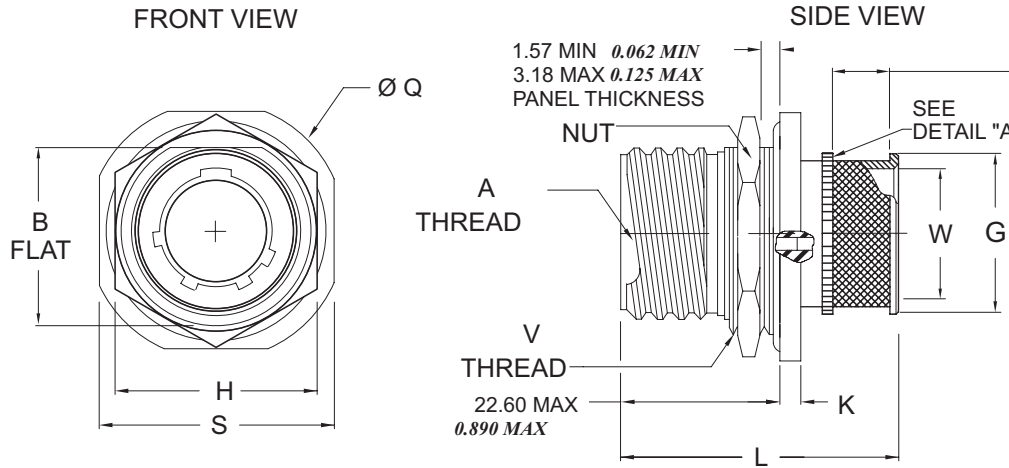
SC3920SV* Environmental

SHELL SIZE	FRONT VIEW					SIDE VIEW					
	P ±0.13/±.005	PP ±0.13/±.005	R ¹	R ²	S ±0.25/±.010	A THREAD CLASS 2A 0.1P-0.3L-TS	G MAX	K MAX	L MAX	M MAX	W MAX
9	3.25/0.128	5.49/0.216	18.26/0.719	15.09/0.594	23.80/0.937	.6250	12.00/0.472	2.50/0.098	36.83/1.450	20.83/0.820	8.56/0.337
11	3.25/0.128	4.93/0.194	20.62/0.812	18.26/0.719	26.20/1.031	.7500	15.00/0.591	2.50/0.098	36.83/1.450	20.83/0.820	11.68/0.460
13	3.25/0.128	4.93/0.194	23.01/0.906	20.62/0.812	28.60/1.126	.8750	18.00/0.709	2.50/0.098	36.83/1.450	20.83/0.820	14.45/0.569
15	3.25/0.128	4.39/0.173	24.61/0.969	23.01/0.906	31.00/1.220	1.0000	22.00/0.866	2.50/0.098	36.83/1.450	20.83/0.820	17.63/0.694
17	3.25/0.128	4.93/0.194	26.97/1.062	24.61/0.969	33.30/1.311	1.1875	25.00/0.984	2.50/0.098	36.83/1.450	20.83/0.820	20.80/0.819
19	3.25/0.128	4.93/0.194	29.36/1.156	26.97/1.062	36.50/1.437	1.2500	28.00/1.102	2.50/0.098	36.83/1.450	20.83/0.820	23.34/0.919
21	3.25/0.128	4.93/0.194	31.75/1.250	29.36/1.156	39.70/1.563	1.3750	31.00/1.220	3.20/0.126	39.37/1.550	20.07/0.790	26.52/1.044
23	3.91/0.154	6.15/0.242	34.93/1.375	31.75/1.250	42.90/1.689	1.5000	34.00/1.339	3.20/0.126	39.37/1.550	20.07/0.790	29.69/1.169
25	3.91/0.154	6.15/0.242	38.10/1.500	34.93/1.375	46.00/1.811	1.6250	37.00/1.457	3.20/0.126	39.37/1.550	20.07/0.790	32.87/1.294

DIMENSIONS IN *ITALIC* ARE INCHES.

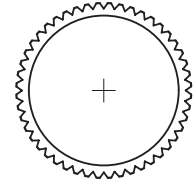
JAM NUT RECEPTACLE **SC3924SV***

MIL-DTL-38999 SERIES III (D38999/24)



SHELL SIZES
9, 11, 13, 15, 17 & 19
 6.35±0.13
 0.250±.005
 FOR .125 BAND

SHELL SIZES
21, 23, 25
 9.14±0.13
 0.360±.005
 FOR .240 BAND



DETAIL - A
 (Shell teeth shown for clarity)

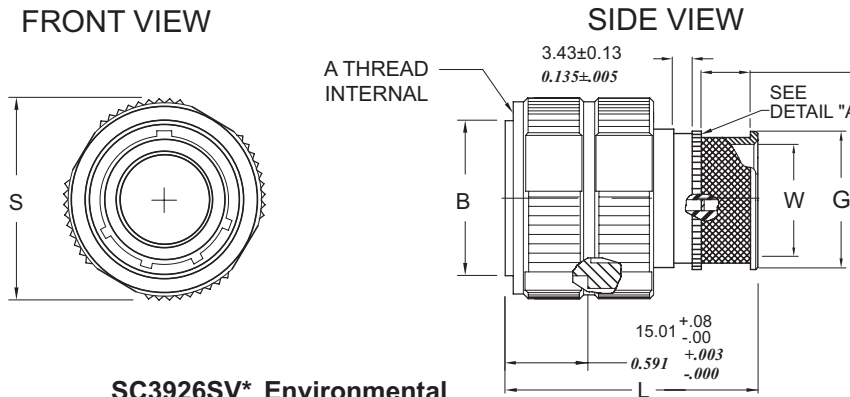
SC3924SV* Environmental

SHELL SIZE	FRONT VIEW				SIDE VIEW					
	B	H	Q	S	A	G	K	L	V	W
	+0.10/±.004 -0.15/±.006	±0.43/±.017	±0.30/±.011	±0.40/±.016	THREAD CLASS 2A 0.1P-0.3L-TS	MAX	MAX	MAX	THREAD 0.100R	MAX
9	16.53/0.651	22.23/0.875	30.20/1.189	27.00/1.063	.6250	12.00/0.472	3.10/0.122	38.35/1.510	M17 x 1.6g	8.56/0.337
11	19.07/0.751	25.40/1.000	34.90/1.374	31.80/1.252	.7500	15.00/0.591	3.10/0.122	38.35/1.510	M20 x 1.6g	11.68/0.460
13	23.82/0.938	30.18/1.188	38.10/1.500	34.90/1.374	.8750	18.00/0.709	3.10/0.122	38.35/1.510	M25 x 1.6g	14.45/0.569
15	26.97/1.062	33.32/1.312	41.30/1.626	38.10/1.500	1.0000	22.00/0.866	3.10/0.122	38.35/1.510	M28 x 1.6g	17.63/0.694
17	30.15/1.187	36.53/1.438	44.50/1.752	41.30/1.626	1.1875	25.00/0.984	3.10/0.122	38.35/1.510	M32 x 1.6g	20.80/0.819
19	33.32/1.312	39.67/1.562	49.20/1.937	46.00/1.811	1.2500	28.00/1.102	3.90/0.154	39.37/1.550	M35 x 1.6g	23.34/0.919
21	36.50/1.437	42.80/1.685	52.40/2.063	49.20/1.937	1.3750	31.00/1.220	3.90/0.154	41.91/1.650	M38 x 1.6g	26.52/1.044
23	39.67/1.562	46.02/1.812	55.60/2.189	52.40/2.063	1.5000	34.00/1.339	3.90/0.154	41.91/1.650	M41 x 1.6g	29.69/1.169
25	42.85/1.687	50.80/2.000	58.70/2.311	55.60/2.189	1.6250	37.00/1.457	3.90/0.154	41.91/1.650	M44 x 1.6g	32.87/1.294

DIMENSIONS IN *ITALIC* ARE INCHES.

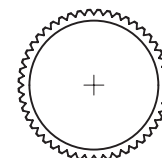
STRAIGHT PLUG, SELF-LOCKING **SC3926SV***

MIL-DTL-38999 SERIES III (D38999/26)



SHELL SIZES
9, 11, 13, 15, 17 & 19
 6.35±0.13
 0.250±.005
 FOR .125 BAND

SHELL SIZES
21, 23, 25
 9.14±0.13
 0.360±.005
 FOR .240 BAND



DETAIL - A
 (Shell teeth shown for clarity)

SC3926SV* Environmental

SHELL SIZE	FRONT VIEW	SIDE VIEW				
	S	A	B	G	L	W
	MAX	THREAD CLASS 2B 0.1P-0.3L-TS	+0.20/±.008 -0.00/±.000	MAX	MAX	MAX
9	21.80/0.859	.6250	18.40/0.724	12.00/0.472	40.64/1.600	8.56/0.337
11	25.00/0.984	.7500	21.10/0.831	15.00/0.591	40.64/1.600	11.68/0.460
13	29.40/1.157	.8750	25.40/1.000	18.00/0.709	40.64/1.600	14.45/0.569
15	32.50/1.280	1.0000	28.70/1.130	22.00/0.866	40.64/1.600	17.63/0.694
17	35.70/1.406	1.1875	32.20/1.268	25.00/0.984	40.64/1.600	20.80/0.819
19	38.50/1.516	1.2500	34.90/1.374	28.00/1.102	40.64/1.600	23.34/0.919
21	41.70/1.642	1.3750	38.10/1.500	31.00/1.220	43.18/1.700	26.52/1.044
23	44.90/1.768	1.5000	41.10/1.618	34.00/1.339	43.18/1.700	29.69/1.169
25	48.00/1.890	1.6250	44.30/1.744	37.00/1.457	43.18/1.700	32.87/1.294

DIMENSIONS IN *ITALIC* ARE INCHES.

TERMINATION BANDS

ORDERING INFORMATION

These Bands are commonly used to attach a braid or a shield to a backshell. They come in two shapes: Coiled or flat.

To provide our customers with a cost effective solution, Spacecraft Components now manufactures Termination Bands and is qualified to the M85049/128 specification.

Shown below is a summary of the various bands and their respective tools.

ELECTRO-ADAPTER	SHAPE	SIZE	SCP P/N	MILITARY REFERENCE	MILITARY TOOL	NON MILITARY APPLICATIONS	
						ELECTRO-ADAPTER TOOL	DANIELS TOOL
214LF002	Flat	.245 x 14.0	SCPSE-02F	M85049/128-1	M81306/2-01 ▲	EAK214-25▲	DBS-1101 ▲
214L0002	Coiled		SCPSE-02C	M85049/128-2			

BAND-IT®	SHAPE	SIZE	SCP P/N	MILITARY REFERENCE	MILITARY TOOLS	NON MILITARY APPLICATIONS		
						BAND-IT® TOOLS	DANIELS TOOLS	GLENAIR TOOLS
A10089	Flat	.242 x 14.25	SCPBE-02F	M85049/128-3	M81306/1-01 ●	A40199●	DBS-2100●	600-058●
A10088	Coiled		SCPBE-02C	M85049/128-4				
A11089	Flat	.242 x 18.00	N/A	N/A	M81306/1-02●	A30199●	DBS-2200●	600-061●
A31189*	Flat	.120 x 8.125	SCPBE-04F	M85049/128-7				
A31188*	Coiled		SCPBE-04C	M85049/128-8				
A31089*	Flat	.120 x 14.30	SCPBE-03F	N/A				

* Mini Band

GLENAIR	SHAPE	SIZE	SCP P/N	MILITARY REFERENCE	MILITARY TOOLS	NON MILITARY APPLICATIONS		
						GLENAIR TOOLS	BAND-IT® TOOLS	DANIELS TOOLS
600-052	Flat	.242 x 14.25	SCPBE-02F	M85049/128-3	M81306/1-01 ●	600-058●	A40199●	DBS-2100●
600-052-1	Coiled		SCPBE-02C	M85049/128-4				
600-090	Flat	.245 x 18.0	N/A	N/A	M81306/1-01 ●	600-058●	A40199●	DBS-2100●
600-090-1	Coiled							
600-057*	Flat	.120 x 8.125	SCPBE-04F	M85049/128-7	M81306/1-02●	600-061●	A30199●	DBS-2200●
600-057-1*	Coiled		SCPBE-04C	M85049/128-8				
600-083*	Flat	.120 x 14.30	SCPBE-03F	N/A				
600-083-1*	Coiled		SCPBE-03C					

* Mini Band

Band-IT® and Glenair bands work in the DBS or STS Tools, but two operations are required (terminate and fold-over) rather than the one operation (terminate/trim). DBS or STS-1101, and 1201 tools include both the termination tool and the secondary roll-over tool.

SUNBANK	SHAPE	SIZE	SCP P/N	MILITARY REFERENCE	MILITARY TOOLS	NON MILITARY APPLICATIONS	
						SUNBANK TOOLS	DANIELS TOOLS
S 3175-2	Flat	.245 x 14.00	SCPSE-02F	M85049/128-1	M81306/2-01 ▲	STS-1101 ▲	DBS-1101 ▲
S 3175-2C	Coiled		SCPSE-02C	M85049/128-2			
S 3175-3*	Flat	.118 x 9.50	SCPSE-04F	M85049/128-5	M81306/2-02▲	STS-1201 ▲	DBS-1201 ▲
S 3175-3C*	Coiled		SCPSE-04C	M85049/128-6			
S 3175-4*	Flat	.118 x 14.25	SCPSE-03F	N/A	M81306/2-02▲	STS-1201 ▲	DBS-1201 ▲
S 3175-4C*	Coiled		SCPSE-03C				

* Mini Band

DBS or STS-1101 and 1201 tools include both the termination tool and the secondary roll-over tool.

MILITARY REFERENCE

MILITARY	SHAPE	SIZE	SCP P/N	MILITARY TOOLS	NON MILITARY APPLICATIONS			
					Band-IT®	Daniels	Glenair	Sunbank
M85049/128-1	Flat	.245 x 14.00	SCPSE-02F	M81306/2-01 ▲	-	DBS-1101 ▲	-	STS-1101 ▲
M85049/128-2	Coiled		SCPSE-02C					
M85049/128-3	Flat	.242 x 14.25	SCPBE-02F	M81306/1-01 ●	A40199●	DBS-2100●	600-058●	-
M85049/128-4	Coiled		SCPBE-02C					
M85049/128-5*	Flat	.118 x 9.50	SCPSE-04F	M81306/2-02▲	-	DBS-1201 ▲	-	STS-1201 ▲
M85049/128-6*	Coiled		SCPSE-04C					
M85049/128-7*	Flat	.120 x 8.125	SCPBE-04F	M81306/1-02●	A30199●	DBS-2200●	600-061●	-
M85049/128-8*	Coiled		SCPBE-04C					

* M85049/128-5, -6, -7, -8 are proposed.

● One Step Tool
▲ Two Step Tool

® Band-IT® is a registered trademark of Band-IT-INDEX, Inc., a division of IDEX Corporation, of which Spacecraft Components Corp. is not affiliated.



M85049/128

(.250 WIDE) TERMINATION BANDS

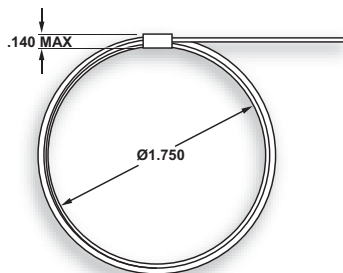


M85049/128-2

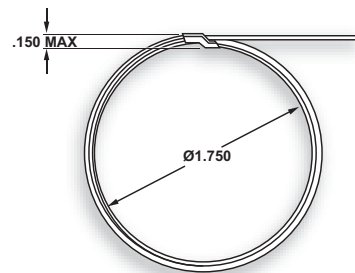
M85049/128-1 & M85049/128-2
 SCPSE-02F & SCPSE-02C
TERMINATION TOOLS:
 DANIELS: DBS-1101▲
 SUNBANK: STS-1101▲
 M81306/2-01▲

M85049/128-3 & M85049/128-4
 SCPBE-02F & SCPBE-02C
TERMINATION TOOLS:
 BAND-IT®: A40199●
 DANIELS: DBS-1101▲
 DBS-2100●
 GLENAIR: 600-058●
 M81306/1-01●

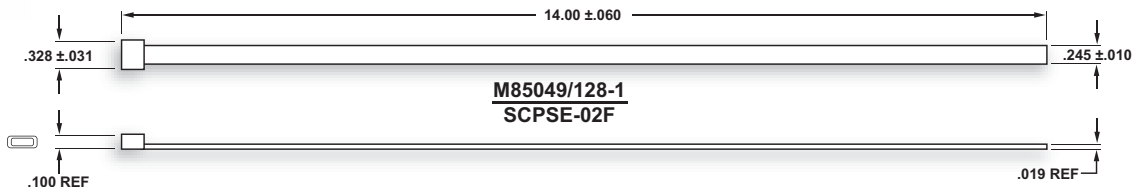
- One Step Tool
- ▲ Two Step Tool



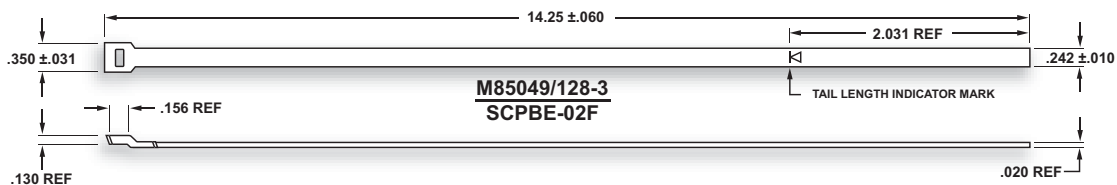
M85049/128-2
SCPSE-02C



M85049/128-4
SCPBE-02C



M85049/128-1
SCPSE-02F



M85049/128-3
SCPBE-02F

(.120 WIDE) MINI-BANDS

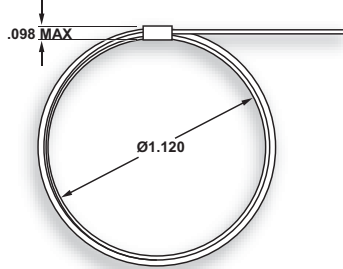


M85049/128-8

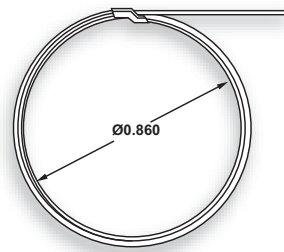
M85049/128-5 & M85049/128-6
 SCPSE-04F & SCPSE-04C
 SCPSE-03F & SCPSE-03C
TERMINATION TOOLS:
 DANIELS: DBS-1201▲
 SUNBANK: STS-1201▲
 M81306/2-02▲

M85049/128-7 & M85049/128-8
 SCPBE-04F & SCPBE-04C
 SCPBE-03F & SCPBE-03C
TERMINATION TOOLS:
 BAND-IT®: A30199●
 DANIELS: DBS-1201▲
 DBS-2200●
 GLENAIR: 600-061●
 M81306/1-02●

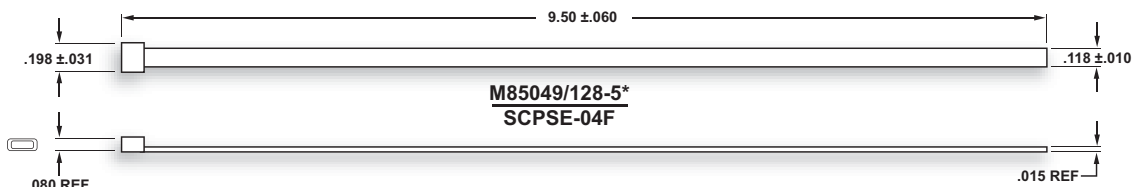
- One Step Tool
- ▲ Two Step Tool



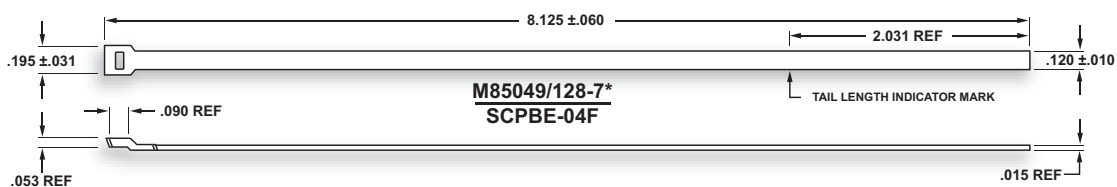
M85049/128-6*
SCPSE-04C



M85049/128-8*
SCPBE-04C



M85049/128-5*
SCPSE-04F



M85049/128-7*
SCPBE-04F

* M85049/128-5, -6, -7, -8 are proposed.

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