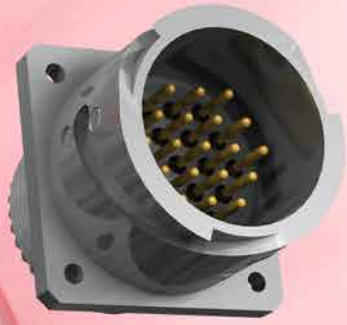
SPACECRAFT COMPONENTS CORP.

Your Connector Consultant Since 1962

AS95234 Reverse Bayonet Connectors & Accessories



Primary Markets:

- Railway/Transit
- Ground Combat Vehicles
- Navy Shipboard
- HMI Lighting

Features:

- Metal clip contact retention
- Uses MIL-STD-1651 & VG95234 insert arrangements
- Available with solder, high amperage or M39029 crimp contacts
- Uses M85049 accessories

SPACECRAFT COMPONENTS CORP.®

CATALOG 801

SPACECRAFT AT A GLANCE

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
- Technical Solutions Oriented
- A Consultative Sales Team
- Vertically Integrated
- Supporter of the Buy American Act

48 Hour Power

You have our commitment to assemble and deliver stock-to-build products from Souriau and Corsair within 48 Hours.

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

nqa ISO 9001 Registered · ANAB ACCREDITED · nqa AS9100 Registered · RoHS

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.

International Traffic in Arms Regulations ITAR Compliant

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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AS95234 REVERSE BAYONET CONNECTORS

Catalog 801 Table of Contents

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SPACECRAFT COMPONENTS CORP.

REVERSE BAYONET EXPLANATION, HISTORY & COMPARISION

INTRODUCTION

Reverse Bayonet is considered a very robust, quick disconnect system. Standard bayonet coupling systems can be found in MIL-DTL-26482, 26500, 38999 and 83723. The receptacles have three (3) pins affixed to the outside of shells, while the plug has three (3) annular grooves on the inside of the coupling nut.

In a reverse bayonet system, the receptacles have three (3) annular grooves on the outside of the shell while the inside of the plug coupling nut has three (3) bayonet pins. The physical size of the bayonet pins and grooves are two (2) to four (4) times larger than a regular bayonet coupling system.

Near the end of the grooves on the receptacle there is a recess that provides for the locking of the connector. Some manufacturers provide a wear pin at the recess area to reduce wear on the shell at the point of locking.

In order to "lock" the plug and receptacle together, you must have some type of a spring. One manufacturer uses a rubber gasket inside the plug shell under the coupling nut. Over a period of time, the gasket could take a "compression-set" and hence not allow the connector to maintain a positive lock. In order to avoid this, the use of a wave washer is recommended.

The Reverse Bayonet coupling system is sometimes called a "quarter turn" coupling. This, or course, is not correct.

COMPARISON

	Commercial Reverse Bayonet	German VG95234	American AS95234
Background	In the early 1950s Veam, an Italian company (a former licensee of Bendix) began work on a connector for the Railway Industry. At that time the MIL-C-5015 Series was the "standard" connector. They were happy with its performance, but did not like the time required to either mate or disconnect the MIL-C-5015 connectors. After several attempts, Veam developed the Reverse Bayonet coupling which required only a 1/3 turn to either mate or disconnect a connector. Veam still used the MIL-C-5015 insert arrangements and the receptacle shells were more rugged than the MIL-C-5015.	In the late 1950s the German Military wanted a replacement for the MIL-C-5015 connectors they were using. They evaluated the Reverse Bayonet coupling connectors and liked them, but wanted further enhancements. 1. Crimp Contacts. The solder types were too difficult to repair in the field. 2. Higher Push-out forces for the contacts. It is unknown why Veam did not respond to these requirements, but they didn't. Cannon responded and submitted their design. It was accepted and the VG95234 connectors were designed around the Cannon connectors.	In the early 1980's the U.S. Military began using VG95234 connectors for many of their vehicles. The quantity of these connectors being used by the Military has increased every year since then. When U.S. OEMs wanted to make some changes to the Reverse Bayonet specification, they discovered it was difficult to get the department in Germany to make those changes. Hence, several U.S. OEM's believed there should be a U.S. Specification covering the Reverse Bayonet type of connectors. Shown below is a brief summary of the major changes:

Differences		
	German VG95234	**American AS95234**
Plating:	Only Cadmium, Olive Drab is allowed	Other RoHS plating available
Accessory Threads:	None are specified	Be in accordance with AS31551
Backshells:	Not available separately	Be able to use M85049 accessories
Contact Retention:	Rubber Insert retention	Have metal clips imbedded in the insert to hold contacts in place
Insert Selection:	Has 42 inserts available	Uses most in MIL-STD-1651 plus some in the VG

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REVERSE BAYONET EXPLANATION, HISTORY & COMPARISION

	Commercial Reverse Bayonet	German VG95234	American AS95234
Shells			
Materials	Aluminum, Brass, Stainless Steel	Aluminum	Aluminum, Stainless Steel
Finishes	Cadmium, Olive Drab, Anodize, Plus various RoHS Platings	Cadmium, Olive Drab 500 hour salt spray	All finishes are 500 hour salt spray
Types	Wall Mount Receptacles In-line Receptacles Box Mount Receptacles Jam Nut Receptacles Thru-Bulkhead Receptacles Straight Plugs (EMI/RFI optional) Panel Mount Plugs 90° Plugs (EMI/RFI optional)	Wall Mount Receptacles In-line Receptacles Box Mount Receptacles Thru-Bulkhead Receptacles Straight Plugs (EMI/RFI optional) 90° Plugs (EMI/RFI optional)	Wall Mount Receptacles In-line Receptacles Box Mount Receptacles Jam Nut Receptacles Thru-Bulkhead Receptacles Straight Plugs (EMI/RFI optional)
Backshells	Backshells are not available separately. They are sold mounted to the connector. Connectors come with various backshells whose function is: Strain Relief Threads (conduit adapter) Shrink Boot Adapter	Backshells are not available separately. They are sold mounted to the connector. Connectors come with either a: Strain Relief Threads (conduit adapter) Shrink Boot Adapter EMI/RFI Shrink Boot Adapter	Backshells are not supplied and must be ordered separately. The rear (accessory) threads are per AS31551. Standard backshells are per M85049 series.
Environmental	Connectors can be either environmental or non-environmental, and are supplied with or without a grommet.	All connector configurations are environmental. With the exception of the box mount receptacles, all connectors are supplied with a grommet.	All connector configurations are environmental
Wear Pins in Receptacles "Locking" Indent	Optional	Not Required	Not Required
Accessory Threads at Rear of Shells	The threads at the rear of a connectors shell are not controlled and can vary between manufacturers. Also, the rear grommet and compression ferrule dimensions are not controlled as in MS3155. If a connector backshell is damaged, the entire connector must be replaced.		All rear (accessory) threads are per AS31551 and will accommodate M85049 backshells.

	Commercial Reverse Bayonet	German VG95234	American AS95234
Inserts			
Arrangements	Over 150 insert arrangements are available. Some meet MIL-STD-1651 while others are unique to each manufacturer.	There are 42 insert arrangements in the specification. Some meet MIL-STD-1651 while others are unique to VG95234.	Approved inserts are per MIL-STD-1651 plus 5 from VG95234
Materials	Neoprene, Halogen Free or Silicone	Neoprene	Neoprene on Plastic (Crimp Front Release)
Contact Retention Forces	40 Pounds	50 Pounds	Solder = 40 pounds Crimp = 50 pounds
Contact Retention Method	Rubber as well as a Metal Clip: Front or Rear Release	Rubber, Front Release	Solder = Contacts bonded into Inserts Crimp = Front Release with metal contact retaining clips
Contacts			
Contact Sizes	20, 18, 16, 16S, 12, 8, 4, 1/0, 4/0	20, 16, 16S, 12, 8, 4, 1/0	16, 16S, 12, 8, 4, 1/0
Finishes	Silver or Gold	Silver is the standard finish	Silver or Gold
Thermocouple	Available in sizes 16, 16S, 12 and 8	Not available	Available in sizes 16, 16S, 12 and 8
Types	Crimp, Solder or PCB	Crimp only for metric or AWG wire	Crimp, front Release or Solder and PCB

COMMERCIAL REVERSE BAYONET ORDERING INFORMATION

Fully Illustrated in Catalog 302

SCPB 00 CFZ 18 - 1 S W F80 -XXX

SERIES PREFIX
- **SCPB** Receptacles with wear pins.
- **SCPBS** Receptacles without wear pins.
- **SCPBH** Inserts are Halogen free.
- **SCPBG06** Plug with EMI/RFI ground spring.

SHELL STYLE
See Table I below.

CLASS
See Table II below.

SHELL SIZE
10SL, 12S, 14S, 16S, 16, 18, 20, 22, 24, 28, 32, 36, 40.

INSERT CONFIGURATION
See pages 2H-1 thru 2H-34.

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.

MODIFICATION
- **-A95** Contact: .000010 gold over .000010 nickel.
- **-B1** .245 Flat band SCPSE-02F included, Shell sizes 16-40. (see page 6C-16)
- **-B3** .250 Flat band SCPBE-02F included, Shell sizes 16-40. (see page 6C-16)
- **-B5** .118 Flat band SCPSE-04F included, Shell sizes 10SL-16S. (see page 6C-16)
- **-B7** .120 Flat band SCPBE-04F included, Shell sizes 10SL-16S. (see page 6C-16)
- **-F0** Less contacts.
- **-005** Hard black anodize.
- **-023** Electroless nickel.
- **-024** Zinc cobalt, olive drab color.
- **-027** 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.**

FOR ELECTRICAL CHARACTERISTICS SEE PAGE 3C-2 IN CATALOG 302

TABLE I. SHELL STYLE

SHELL STYLE	DESCRIPTION
00	Wall mount receptacle
01	In-line receptacle
01FR	In-line receptacle
02R	Box mount receptacle, front panel mount
020R	Wall mount receptacle less rear accessories
020FR	Wall mount receptacle, front panel mount
03R	Box mount receptacle, rear panel mount
03YM	Box mount receptacle, PC tail rear mount
030	Wall mount receptacle for rear panel mounting
030YM	Wall mount receptacle, PC tail
030FR	Wall mount receptacle
038	90° Wall mount receptacle
06	Straight plug
06FR	Straight plug
064PP	Panel mount plug
064FR	Panel mount plug
065FR	Straight plug
07R	Jam nut receptacle
070	Jam nut receptacle with rear accessory threads
078	Jam nut receptacle with 90° backshell
08	90° plug
TB	Thru-bulkhead receptacle

TABLE II. CLASS

APPLICATION	NON-ENVIRONMENTAL	ENVIRONMENTAL WITH GROMMET	ENVIRONMENTAL NO GROMMET
INDIVIDUAL WIRES	A, ARV, LA, LAF	R, LR, R, RV	APT
	AE, AF, LF	E, F, LF	
JACKETED CABLE	–	CFZ, LCFZ	CF, FR(C), FR(PG), FR(SPB), LCF
	–	WKG	FR(C), FR(PG), FR(SPB), WK, WK3
SHIELDED	–	–	WK1
KELLUMS	–	LC, LC3	LCG, LCG4
PG	–	SL1, SLX1	SL, SLX
SHRINK BOOT	–	G, G2G	AG, AG2G, SV
BANDING	–	ST, SU	STG, SUG, SV
SHIELDED	–	SB, SBF, SBT	ASB, ASBF, ASBT, SV
FLEX CONDUIT			
TYPE CL-P	–	NM	NMG
TYPE EF	–	RK	ARK
METAL CORE	–	CMEG	–
RUBBER HOSE	–	–	BC, LP
PMA	–	TRAC	PIL

TABLE III. PIN CONTACTS FOR RUBBER RETENTION

CONNECTOR ORDERING CODE	PIN PART NUMBER	SIZE	FOR WIRE SIZE		RATING
			AWG	MM²	
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	472 Amps

TABLE IV. SOCKET CONTACTS FOR RUBBER RETENTION

CONNECTOR ORDERING CODE	SOCKET PART NUMBER	SIZE	FOR WIRE SIZE		SPRINGS	RATING
			AWG	MM²		
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	85 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

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AS95234 ORDERING INFORMATION

AS95234/1 W 18 - 10 P W

MIL SPEC

SHELL STYLE
- **1** In-line receptacle.
- **2** Box mount receptacle front panel mtg.
- **3** Box mount receptacle, rear panel mtg.
- **4** Wall mount receptacle, front panel mtg.
- **5** Wall mount receptacle, rear panel mtg.
- **6** Straight plug.
- **7** Jam nut receptacle.
- **8** Jam nut receptacle w/ accessory threads.
- **9** Straight plug, w/ spring fingers, EMI/RFI.
- **13** Thru-bulkhead receptacle.

FINISH/MATERIAL
See Table below.

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

INSERT ARRANGEMENT
See page 2H-1 thru 2H-34.

CONTACT DESIGNATOR
- **A** Crimp pin contact insert less standard pin contacts.
- **B** Crimp socket contact insert less standard socket contacts.
- **C** Solder cup pin contact.
- **D** Solder cup socket contact.
- **E** Thru-bulkhead fixed pin-pin contact.
- **F** Thru-bulkhead fixed socket-socket contact.
- **G** Thru-bulkhead fixed pin-socket contact, pin facing front of receptacle. (O-Ring seal facing front.)
- **H** Thru-bulkhead fixed socket-pin contact, socket facing front. (O-Ring seal facing front.)
- **P** Crimp pin contact in accordance with M39029/44.
- **S** Crimp socket in accordance with M39029/45.

INSERT POLARIZATION
Omit for Normal

FINISH/MATERIAL
Temperature: -55°C to +125°C
Except for "S" which is:-65°C to 175°C

Code	Finish	Material
A	Black Anodize	Aluminum
B	Cadmium, Black	Stainless Steel
S	Passivate	Stainless Steel
W	Cadmium, Olive Drab	Aluminum
X	Fluorocarbon, Nickel	Aluminum

Code	Finish	Material
XS	Fluorocarbon, Nickel	Stainless Steel
Y	Electro Deposited Alum.	Aluminum
YS	Electro Deposited Alum.	Stainless Steel
Z	Zinc Nickel	Aluminum
ZS	Zinc Nickel	Stainless Steel

GERMAN VG95234 ORDERING INFORMATION
OBSOLETE FOR U.S. DESIGN – USE AS95234 SHOWN ABOVE

SHOWN FOR REFERENCE ONLY

VG95234 A 32 - 6 S 1 N

SERIES

SHELL TYPE
See Table I below.

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

INSERT CONFIGURATION

CONTACT STYLE
- **P** Pin contacts.
- **S** Socket contacts.
- **P/S** For shell typed or C2.

WIRE SIZE FOR CONTACTS
- **Blank** Metric.
- **1** AWG.

POLARIZATION
N (Normal), **W, X, Y, Z.**

TABLE I

- A - Front Panel Mount Square Flange Receptacle – No Accessory Threads
- B1 - Rear Panel Mount Square Flange Receptacle – Threaded Holes
- B2 - Rear Panel Mount Square Flange Receptacle – Thru Holes
- CI - Bulkhead Feed-Thru Receptacle with Threaded Holes
- C2- Bulkhead Feed-Thru Receptacle with Thru Holes
- D - Straight Plug with Cable Clamp and Bushing
- E - 90° Plug with Cable Clamp and Bushing
- E1 - 90° Plug without Clamp and Bushing
- F - In-line Receptacle with Cable Clamp and Bushing
- G - Straight Plug with Shrink Boot Adapter
- H - Straight Plug without Cable Clamp and Bushing
- J1 - Wall Mount Receptacle with Cable Clamp, Bushing and Threaded Holes
- J2 - Wall Mount Receptacle with Cable Clamp, Bushing and Thru Holes
- K - 90° Plug with Grounding Fingers without Cable Clamp and Bushing
- L - Straight Plug with Grounding Fingers without Cable Clamp and Bushing
- M - Straight Plug with EMI Shrink boot Backshell and Grounding Fingers
- N1 - Wall Mount Receptacle with EMI Shrink boot Backshell & Threaded Holes
- N2 - Wall Mount Receptacle with EMI Shrink boot Backshell & Thru Holes
- R1 - Straight Plug for use with VG95218 Wires – EMI/Shrink boot Backshell
- S1 - Wall Mount Connector for VG95218 Wires – EMI/Boot Backshell; Threaded
- S2 - Wall Mount Connector for VG95218 Wires – EMI/Boot Backshell; Thru Holes
- T - Straight Plug with Shrink Boot Adapter and Grounding Fingers
- U1 - Wall Mount Connector – Shrink boot Backshell; Threaded Holes
- U2 - Wall Mount Connector – Shrink boot Backshell; Thru Holes

COMMERCIAL AS95234 ORDERING INFORMATION

SCPB 20 W 18 - 1 S W XXX

SERIES PREFIX
- **SCPB** Receptacles with wear pins.
- **SCPBS** Receptacles without wear pins.
- **SCPBH** Inserts are Halogen free.
- **SCPBG06** Plug with EMI/RFI ground spring.
- **SCPBYM** Receptacles with PC tail contacts.

SHELL STYLE
See Table I below.

FINISH & TEMPERATURE RATING
See Table II below.

SHELL SIZE
10SL, 12S, 14S, 16S, 16, 18, 20, 22, 24, 28, 32, 36, 40.

INSERT CONFIGURATION
See pages 2H-1 thru 2H-34.

MODIFICATION
- **A95** Contact: .000010 gold over .000010 nickel.
- **142** Contacts: .000030 gold over .000050 nickel.

For other codes, contact Sales Dept.

ALTERNATE POSITION (POLARIZATION)
BLANK (normal), **W, X, Y, Z.**

CONTACT DESIGNATOR
- **A** Crimp pin contact insert less standard pin contacts.
- **B** Crimp socket contact insert less standard socket contacts.
- **C** Solder cup pin contact.
- **CR** Metric crimp for DIN wire.
- **CR1** Metric crimp for AWG wire.
- **D** Solder cup socket contact.
- **E** Thru-bulkhead fixed pin-pin contact.
- **F** Thru-bulkhead fixed socket-socket contact.
- **F80** Crimp for AWG wire.
- **G** Thru-bulkhead fixed pin-socket contact, pin facing front of receptacle. (O-Ring seal facing front.)
- **H** Thru-bulkhead fixed socket-pin contact, socket facing front. (O-Ring seal facing front.)
- **P** Crimp pin contact in accordance with M39029/44.
- **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** Crimp socket in accordance with M39029/45.
- **T** Pin for R1, R2 or R3 Sockets. See Table III below.

* Low insertion force and high amperage.

TABLE I. SHELL STYLE CODE

Crimp Contacts	Solder Contacts*	DESCRIPTION
30	20	Wall mount receptacle, front panel mount
33	23	Wall mount receptacle, rear panel mount
31	21	In-line receptacle
32	22	Box mount receptacle, front panel mount
34	24	Box mount receptacle, rear panel mount
36	26	Straight plug
37	27	Jam nut receptacle with no rear accessory threads
38	28	Jam nut receptacle with rear accessory threads
13	13	Thru-bulkhead receptacle*
G36	G26	Straight plug, EMI/RFI
39	29	90° Plug

* Contacts are non-removable.

TABLE II. CLASS (FINISH/MATERIAL)

Temperature: -40°C to +125°C
Except for "S" which is -65°C to 175°C

CODE	FINISH	MATERIAL
A	Black Anodize	Aluminum
B	Cadmium, Black	Stainless Steel
S	Passivate	Stainless Steel
W	Cadmium, Olive Drab	Aluminum
X	Fluorocarbon, Nickel	Aluminum
XS	Fluorocarbon, Nickel	Stainless Steel
Y	Electro Deposited Alum.	Aluminum
YS	Electro Deposited Alum.	Stainless Steel
Z	Zinc Nickel	Aluminum
ZS	Zinc Nickel	Stainless Steel

Consult sales for other plating codes.

TABLE III. PIN CONTACTS

CONNECTOR ORDERING CODE	SIZE	FOR WIRE SIZE		RATING	CRIMP, RUBBER RETENTION PART NUMBER	CRIMP, FRONT RELEASE PART NUMBER
		AWG	MM²			
T	8	8	9	100 Amps	R12-7900-110	R99-7900-110
T	4	4	22	168 Amps	R12-8500-110	R99-8500-110
T	1/0	1/0	53	304 Amps	R10-9200-110	R99-9200-110
T	4/0	4/0	107	500 Amps	R10-9798-110	–

TABLE IV. SOCKET CONTACTS

CONNECTOR ORDERING CODE	SIZE	FOR WIRE SIZE		SPRINGS	RATING	CRIMP, RUBBER RETENTION PART NUMBER	CRIMP, FRONT RELEASE PART NUMBER
		AWG	MM²				
R1	8	8	9	1	46 Amps	T10-7900-110-1	T99-7990-110-1
R2				2	73 Amps	T10-7900-110-2	T99-7990-110-2
R3				3	85 Amps	T10-7900-110-3	T99-7990-110-3
R1	4	4	22	1	80 Amps	T10-8500-110-1	T99-8590-110-1
R2				2	135 Amps	T10-8500-110-2	T99-8590-110-2
R3				3	168 Amps	T10-8500-110-3	T99-8590-110-3
R1	1/0	1/0	53	1	150 Amps	T10-9200-110-1	T99-9290-110-1
R2				2	245 Amps	T10-9200-110-2	T99-9290-110-2
R3				3	304 Amps	T10-9200-110-3	T99-9290-110-3
R1	4/0	4/0	107	1	225 Amps	T10-9795-110-1	–
R2				2	350 Amps	T10-9795-110-2	–
R3				3	500 Amps	T10-9795-110-3	–

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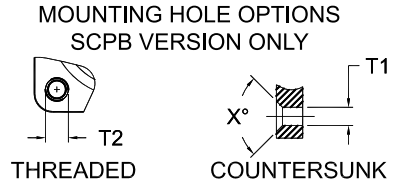
SECTION 1H
AS95234
REVERSE BAYONET
COUPLING SHELLS

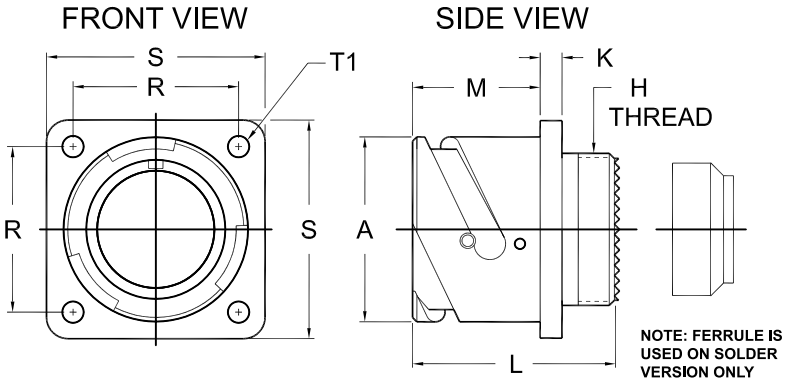
WALL MOUNT RECEPTACLE, FRONT PANEL MOUNT

AS95234/4*



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°)



SCPB20* Environmental, solder contacts
SCPB30* Environmental, crimp front release contacts

SHELL SIZE	FRONT VIEW					SIDE VIEW				
	R ±.004 [±0.10]	S ±.012 [±0.30]	T1 +.004 [+0.10] -.000 [-0.00]	T2 THREAD		A +.000 [+0.00] -.006 [-0.15]	H THREAD CLASS 2A	K ±.008 [±0.20]	L MAX	M +.016 [+0.41] -.000 [-0.00]
				METRIC	UNC					
10SL	0.717 [18.21]	1.000 [25.40]	0.126 [3.20]	M4	8-32 UNC	0.717 [18.21]	5/8-24 UNEF	0.110 [2.79]	1.570 [39.88]	0.559 [14.20]
12S▲	0.809 [20.55]	1.100 [27.94]	0.126 [3.20]	M4	8-32 UNC	0.835 [21.21]	3/4-20 UNEF	0.110 [2.79]	1.570 [39.88]	0.559 [14.20]
14S	0.906 [23.01]	1.181 [30.00]	0.126 [3.20]	M4	8-32 UNC	0.969 [24.61]	7/8-20 UNEF	0.126 [3.20]	1.570 [39.88]	0.559 [14.20]
16S	0.969 [24.61]	1.280 [32.51]	0.126 [3.20]	M4	8-32 UNC	1.079 [27.41]	1-20 UNEF	0.126 [3.20]	1.570 [39.88]	0.559 [14.20]
16	0.969 [24.61]	1.280 [32.51]	0.126 [3.20]	M4	8-32 UNC	1.079 [27.41]	1-20 UNEF	0.126 [3.20]	1.850 [46.99]	0.748 [19.00]
18	1.063 [27.00]	1.378 [35.00]	0.126 [3.20]	M4	8-32 UNC	1.213 [30.81]	1 1/16-18 UNEF	0.157 [3.99]	1.850 [46.99]	0.748 [19.00]
20	1.157 [29.39]	1.496 [38.00]	0.126 [3.20]	M4	8-32 UNC	1.346 [34.19]	1 3/16-18 UNEF	0.157 [3.99]	1.850 [46.99]	0.748 [19.00]
22	1.252 [31.80]	1.614 [41.00]	0.126 [3.20]	M4	8-32 UNC	1.472 [37.39]	1 5/16-18 UNEF	0.157 [3.99]	1.850 [46.99]	0.748 [19.00]
24	1.374 [34.90]	1.752 [44.50]	0.146 [3.71]	M4	10-24 UNC	1.610 [40.89]	1 7/16-18 UNEF	0.157 [3.99]	1.850 [46.99]	0.811 [20.60]
28	1.563 [39.70]	2.000 [50.80]	0.146 [3.71]	M5	10-24 UNC	1.839 [46.71]	1 3/4-18 UNS	0.157 [3.99]	2.100 [53.34]	0.811 [20.60]
32	1.752 [44.50]	2.244 [57.00]	0.169 [4.29]	M5	1/4-20 UNC	2.102 [53.39]	2-18 UNS	0.157 [3.99]	2.100 [53.34]	0.874 [22.20]
36	1.937 [49.20]	2.500 [63.50]	0.169 [4.29]	M5	1/4-20 UNC	2.346 [59.59]	2 1/4-16 UN	0.157 [3.99]	2.100 [53.34]	0.874 [22.20]
40▲	2.185 [55.50]	2.752 [69.90]	0.169 [4.29]	M5	1/4-20 UNC	2.579 [65.51]	2 1/2-16 UN	0.157 [3.99]	2.100 [53.34]	0.874 [22.20]

Dimensions in brackets [ ] are in millimeters.
▲ Insert arrangement not listed in AS95234. Available with solder contacts or removeable crimp contacts (rubber retention).

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WALL MOUNT RECEPTACLE, REAR PANEL MOUNT

AS95234/5*

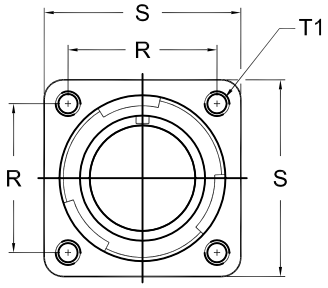
MOUNTING HOLE OPTIONS
SCPB VERSION ONLY

THREADED

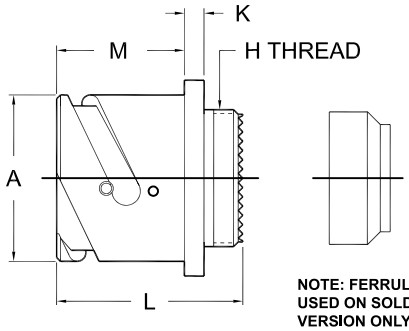
MOUNTING HOLE CODES

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

FRONT VIEW



SIDE VIEW



NOTE: FERRULE IS USED ON SOLDER VERSION ONLY

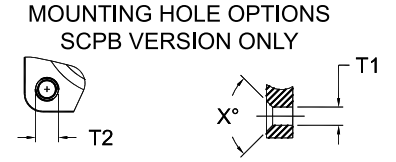
SCPB23* Environmental, solder contacts
SCPB33* Environmental, crimp front release contacts

SHELL SIZE	FRONT VIEW					SIDE VIEW				
	R ±.004 [±0.10]	S ±.012 [±0.30]	T1 +.004 [+0.10] -.000 [-0.00] STYLE FP	T2 THREAD METRIC	T2 THREAD UNC	A +.000 [+0.00] -.006 [-0.15]	H THREAD CLASS 2A	K ±.008 [±0.20]	L MAX	M +.016 [+0.41] -.000 [-0.00]
10SL	0.717 [18.21]	1.000 [25.40]	0.126 [3.20]	M4	8-32 UNC	0.717 [18.21]	5/8-24 UNEF	0.110 [2.79]	1.570 [39.88]	0.717 [18.21]
12S▲	0.809 [20.55]	1.100 [27.94]	0.126 [3.20]	M4	8-32 UNC	0.835 [21.21]	3/4-20 UNEF	0.110 [2.79]	1.570 [39.88]	0.717 [18.21]
14S	0.906 [23.01]	1.181 [30.00]	0.126 [3.20]	M4	8-32 UNC	0.969 [24.61]	7/8-20 UNEF	0.126 [3.20]	1.570 [39.88]	0.717 [18.21]
16S	0.969 [24.61]	1.280 [32.51]	0.126 [3.20]	M4	8-32 UNC	1.079 [27.41]	1-20 UNEF	0.126 [3.20]	1.570 [39.88]	0.717 [18.21]
16	0.969 [24.61]	1.280 [32.51]	0.126 [3.20]	M4	8-32 UNC	1.079 [27.41]	1-20 UNEF	0.126 [3.20]	1.850 [46.99]	0.907 [23.04]
18	1.063 [27.00]	1.378 [35.00]	0.126 [3.20]	M4	8-32 UNC	1.213 [30.81]	1 1/16-18 UNEF	0.157 [3.99]	1.850 [46.99]	0.907 [23.04]
20	1.157 [29.39]	1.496 [38.00]	0.126 [3.20]	M4	8-32 UNC	1.346 [34.19]	1 3/16-18 UNEF	0.157 [3.99]	1.850 [46.99]	0.907 [23.04]
22	1.252 [31.80]	1.614 [41.00]	0.126 [3.20]	M4	8-32 UNC	1.472 [37.39]	1 5/16-18 UNEF	0.157 [3.99]	1.850 [46.99]	0.907 [23.04]
24	1.374 [34.90]	1.752 [44.50]	0.146 [3.71]	M4	10-24 UNC	1.610 [40.89]	1 7/16-18 UNEF	0.157 [3.99]	1.850 [46.99]	0.907 [23.04]
28	1.563 [39.70]	2.000 [50.80]	0.146 [3.71]	M5	10-24 UNC	1.839 [46.71]	1 3/4-18 UNS	0.157 [3.99]	2.100 [53.34]	0.947 [24.05]
32	1.752 [44.50]	2.244 [57.00]	0.169 [4.29]	M5	1/4-20 UNC	2.102 [53.39]	2-18 UNS	0.157 [3.99]	2.100 [53.34]	0.947 [24.05]
36	1.937 [49.20]	2.500 [63.50]	0.169 [4.29]	M5	1/4-20 UNC	2.346 [59.59]	2 1/4-16 UN	0.157 [3.99]	2.100 [53.34]	0.947 [24.05]
40▲	2.185 [55.50]	2.752 [69.90]	0.169 [4.29]	M5	1/4-20 UNC	2.579 [65.51]	2 1/2-16 UN	0.157 [3.99]	2.100 [53.34]	0.947 [24.05]

Dimensions in brackets [ ] are in millimeters.
▲ Insert arrangement not listed in AS95234. Available with solder contacts or removeable crimp contacts (rubber retention).

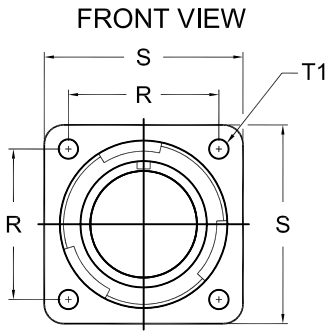
BOX MOUNT RECEPTACLE, FRONT PANEL MOUNT

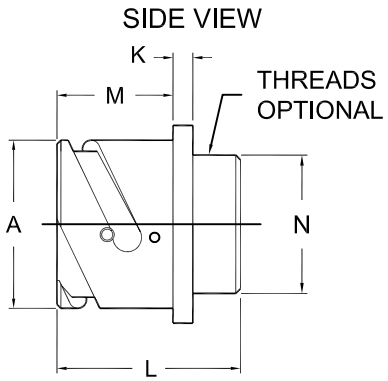
AS95234/2*



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°)





SCPB22* Environmental when used with sealing gasket, solder contacts
SCPB32* Environmental when used with sealing gasket, crimp front release contacts

SHELL SIZE	FRONT VIEW					SIDE VIEW				
	R ±.004 [±0.10]	S ±.012 [±0.30]	T1 +.004 [+0.10] -.000 [-0.00]	T2 THREAD		A +.000 [+0.00] -.006 [-0.15]	K ±.008 [±0.20]	L ±.012 [±0.31]	M +.016 [+0.41] -.000 [-0.00]	N MAX
				METRIC	UNC					
10SL	0.717 [18.21]	1.000 [25.40]	0.126 [3.20]	M4	8-32 UNC	0.717 [18.21]	0.110 [2.79]	1.087 [27.61]	0.559 [14.20]	0.638 [16.21]
12S▲	0.809 [20.55]	1.100 [27.94]	0.126 [3.20]	M4	8-32 UNC	0.835 [21.21]	0.110 [2.79]	1.087 [29.61]	0.559 [14.20]	0.750 [19.05]
14S	0.906 [23.00]	1.181 [30.00]	0.126 [3.20]	M4	8-32 UNC	0.969 [24.61]	0.126 [3.20]	1.087 [27.61]	0.559 [14.20]	0.756 [19.20]
16S	0.969 [24.61]	1.280 [32.51]	0.126 [3.20]	M4	8-32 UNC	1.079 [27.41]	0.126 [3.20]	1.087 [27.61]	0.559 [14.20]	0.882 [22.40]
16	0.969 [24.61]	1.280 [32.51]	0.126 [3.20]	M4	8-32 UNC	1.079 [27.41]	0.126 [3.20]	1.331 [33.81]	0.748 [19.00]	0.882 [22.40]
18	1.063 [27.00]	1.378 [35.00]	0.126 [3.20]	M4	8-32 UNC	1.213 [30.81]	0.157 [3.99]	1.331 [33.81]	0.748 [19.00]	1.008 [25.60]
20	1.157 [29.39]	1.496 [38.00]	0.126 [3.20]	M4	8-32 UNC	1.346 [34.19]	0.157 [3.99]	1.331 [33.81]	0.748 [19.00]	1.142 [29.01]
22	1.252 [31.80]	1.614 [41.00]	0.126 [3.20]	M4	8-32 UNC	1.472 [37.39]	0.157 [3.99]	1.331 [33.81]	0.748 [19.00]	1.268 [32.21]
24	1.374 [34.90]	1.752 [44.50]	0.146 [3.71]	M4	10-24 UNC	1.610 [40.89]	0.157 [3.99]	1.409 [35.79]	0.811 [20.60]	1.390 [35.31]
28	1.563 [39.70]	2.000 [50.80]	0.146 [3.71]	M5	10-24 UNC	1.839 [46.71]	0.157 [3.99]	1.409 [35.79]	0.811 [20.60]	1.630 [41.40]
32	1.752 [44.50]	2.244 [57.00]	0.169 [4.29]	M5	1/4-20 UNC	2.102 [53.39]	0.157 [3.99]	1.469 [37.31]	0.874 [22.20]	1.882 [47.80]
36	1.937 [49.20]	2.500 [63.50]	0.169 [4.29]	M5	1/4-20 UNC	2.346 [59.59]	0.157 [3.99]	1.469 [37.31]	0.874 [22.20]	2.130 [54.10]
40▲	2.185 [55.50]	2.748 [69.80]	0.169 [4.29]	M5	1/4-20 UNC	2.579 [65.51]	0.157 [3.99]	1.469 [37.31]	0.874 [22.20]	2.323 [59.00]

Dimensions in brackets [ ] are in millimeters.
▲ Insert arrangement not listed in AS95234. Available with solder contacts or removeable crimp contacts (rubber retention).

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BOX MOUNT RECEPTACLE, REAR PANEL MOUNT

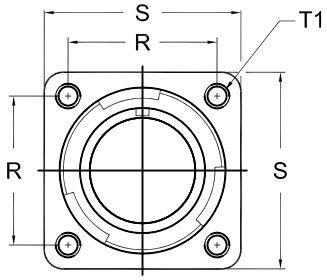
AS95234/3*

MOUNTING HOLE OPTIONS
SCPB VERSION ONLY

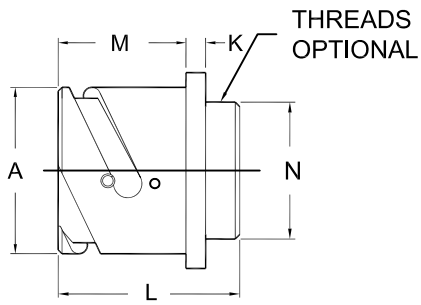
THREADED
MOUNTING HOLE CODES

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

FRONT VIEW



SIDE VIEW



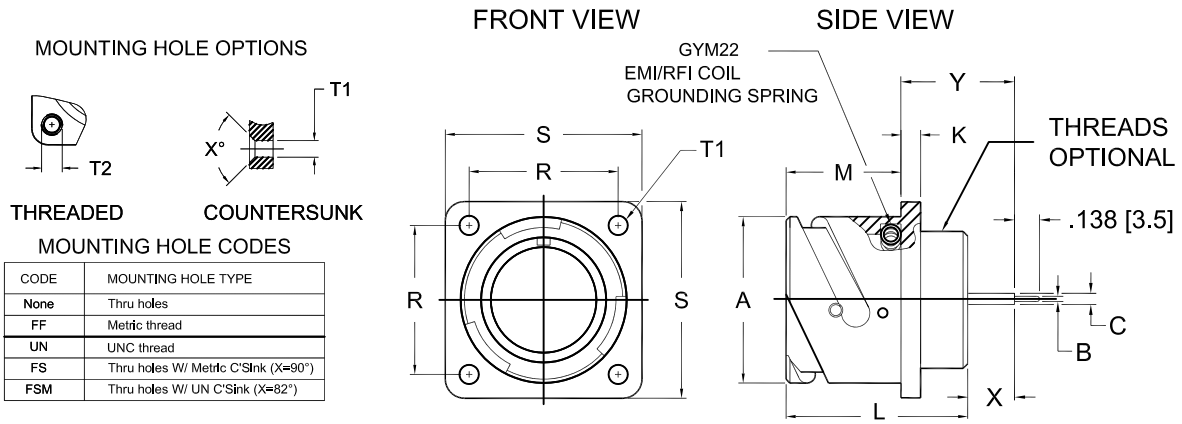
SCPB24* Environmental when used with sealing gasket, solder contacts
SCPB34* Environmental when used with sealing gasket, crimp front release contacts

SHELL SIZE	FRONT VIEW					SIDE VIEW				
	R ±.004 [±0.10]	S ±.012 [±0.30]	T1 +.004 [+0.10] -.000 [-0.00]	T2 THREAD		A +.000 [+0.00] -.006 [-0.15]	K ±.008 [±0.20]	L ±.012 [±0.31]	M +.016 [+0.41] -.000 [-0.00]	N MAX
				METRIC	UNC					
10SL	0.717 [18.21]	1.000 [25.40]	0.126 [3.20]	M4	8-32 UNC	0.717 [18.21]	0.110 [2.79]	1.087 [27.61]	0.717 [18.21]	0.638 [16.21]
12S▲	0.809 [20.55]	1.100 [27.94]	0.126 [3.20]	M4	8-32 UNC	0.835 [21.21]	0.110 [2.79]	1.087 [27.61]	0.717 [18.21]	0.750 [19.05]
14S	0.906 [23.01]	1.181 [30.00]	0.126 [3.20]	M4	8-32 UNC	0.969 [24.61]	0.126 [3.20]	1.087 [27.61]	0.717 [18.21]	0.756 [19.20]
16S	0.969 [24.61]	1.280 [32.51]	0.126 [3.20]	M4	8-32 UNC	1.079 [27.41]	0.126 [3.20]	1.087 [27.61]	0.717 [18.21]	0.882 [22.40]
16	0.969 [24.61]	1.280 [32.51]	0.126 [3.20]	M4	8-32 UNC	1.079 [27.41]	0.126 [3.20]	1.331 [33.81]	0.907 [23.04]	0.882 [22.40]
18	1.063 [27.00]	1.378 [35.00]	0.126 [3.20]	M4	8-32 UNC	1.213 [30.81]	0.157 [3.99]	1.331 [33.81]	0.907 [23.04]	1.008 [25.60]
20	1.157 [29.39]	1.496 [38.00]	0.126 [3.20]	M4	8-32 UNC	1.346 [34.19]	0.157 [3.99]	1.331 [33.81]	0.907 [23.04]	1.142 [29.01]
22	1.252 [31.80]	1.614 [41.00]	0.126 [3.20]	M4	8-32 UNC	1.472 [37.39]	0.157 [3.99]	1.331 [33.81]	0.907 [23.04]	1.268 [32.21]
24	1.374 [34.90]	1.752 [44.50]	0.146 [3.71]	M4	10-24 UNC	1.610 [40.89]	0.157 [3.99]	1.409 [35.79]	0.907 [23.04]	1.390 [35.31]
28	1.563 [39.70]	2.000 [50.80]	0.146 [3.71]	M5	10-24 UNC	1.839 [46.71]	0.157 [3.99]	1.409 [35.79]	0.947 [24.05]	1.630 [41.40]
32	1.752 [44.50]	2.244 [57.00]	0.169 [4.29]	M5	1/4-20 UNC	2.102 [53.39]	0.157 [3.99]	1.469 [37.31]	0.947 [24.05]	1.882 [47.80]
36	1.937 [49.20]	2.500 [63.50]	0.169 [4.29]	M5	1/4-20 UNC	2.346 [59.59]	0.157 [3.99]	1.469 [37.31]	0.947 [24.05]	2.130 [54.10]
40▲	2.185 [55.50]	2.748 [69.80]	0.169 [4.29]	M5	1/4-20 UNC	2.579 [65.51]	0.157 [3.99]	1.469 [37.31]	0.947 [24.05]	2.323 [59.00]

Dimensions in brackets [ ] are in millimeters.
▲ Insert arrangement not listed in AS95234. Available with solder contacts or removeable crimp contacts (rubber retention).

BOX MOUNT RECEPTACLE, PCB FRONT PANEL MOUNT

22YM*



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°)

SCPBYM22* **Environmental with PC tail contacts**
SCPBGYM22* **Environmental with PC tail contacts & grounding spring**

AVAILABLE CONTACT	B +.000 [+0.00] -.002 [-0.05]	C +.000 [+0.00] -.004 [-0.10]
Size 16S & 16	.030 [0.75]	.063 [1.6]
Size 12	.071 [1.8]	.134 [3.4]

Connectors are available only with contact sizes 16S, 16 and 12. For different contact sizes please consult factory.

SHELL SIZE	FRONT VIEW					SIDE VIEW											
	R ±.004 [±0.10]	S ±.012 [±0.30]	T1 +.004 [+0.10] -.000 [-0.00]	T2 THREAD		A +.000 [+0.00] -.006 [-0.15]	K ±.008 [±0.20]	L ±.012 [±0.31]	M +.016 [+0.41] -.000 [-0.00]	TYPE YM		TYPE YM1		TYPE YM2		TYPE YM3	
				METRIC	UNC					X*	Y*	X*	Y*	X*	Y*	X*	Y*
10SL	0.717 [18.21]	1.000 [25.40]	0.126 [3.20]	M4	8-32 UNC	0.717 [18.21]	0.110 [2.79]	1.087 [27.61]	0.559 [14.20]	***0.197 [5.00]***	***0.567 [14.40]***	***0.260 [6.60]***	***0.630 [16.00]***	***0.134 [3.40]***	***0.504 [12.80]***	***0.071 [1.80]***	***0.441 [11.20]***
12S▲	0.809 [20.55]	1.100 [27.94]	0.126 [3.20]	M4	8-32 UNC	0.835 [21.21]	0.110 [2.79]	1.087 [27.61]	0.559 [14.20]	***0.197 [5.00]***	***0.567 [14.40]***	***0.260 [6.60]***	***0.630 [16.00]***	***0.134 [3.40]***	***0.504 [12.80]***	***0.071 [1.80]***	***0.441 [11.20]***
14S	0.906 [23.01]	1.181 [30.00]	0.126 [3.20]	M4	8-32 UNC	0.969 [24.61]	0.126 [3.20]	1.087 [27.61]	0.559 [14.20]	***0.197 [5.00]***	***0.567 [14.40]***	***0.260 [6.60]***	***0.630 [16.00]***	***0.134 [3.40]***	***0.504 [12.80]***	***0.071 [1.80]***	***0.441 [11.20]***
16S	0.969 [24.61]	1.280 [32.51]	0.126 [3.20]	M4	8-32 UNC	1.079 [27.41]	0.126 [3.20]	1.087 [27.61]	0.559 [14.20]	0.197 [5.00]	0.567 [14.40]	0.260 [6.60]	0.630 [16.00]	***0.134 [3.40]***	***0.504 [12.80]***	***0.071 [1.80]***	***0.441 [11.20]***
16	0.969 [24.61]	1.280 [32.51]	0.126 [3.20]	M4	8-32 UNC	1.079 [27.41]	0.126 [3.20]	1.331 [33.81]	0.748 [19.00]	0.197 [5.00]	0.622 [15.80]	0.260 [6.60]	0.685 [17.40]	***0.134 [3.40]***	***0.559 [14.20]***	***0.071 [1.80]***	***0.496 [12.60]***
18	1.063 [27.00]	1.378 [35.00]	0.126 [3.20]	M4	8-32 UNC	1.213 [30.81]	0.157 [3.99]	1.331 [33.81]	0.748 [19.00]	0.197 [5.00]	0.622 [15.80]	0.260 [6.60]	0.685 [17.40]	***0.134 [3.40]***	***0.559 [14.20]***	***0.071 [1.80]***	***0.496 [12.60]***
20	1.157 [29.39]	1.496 [38.00]	0.126 [3.20]	M4	8-32 UNC	1.346 [34.19]	0.157 [3.99]	1.331 [33.81]	0.748 [19.00]	0.197 [5.00]	0.622 [15.80]	0.260 [6.60]	0.685 [17.40]	***0.134 [3.40]***	***0.559 [14.20]***	***0.071 [1.80]***	***0.496 [12.60]***
22	1.252 [31.80]	1.614 [41.00]	0.126 [3.20]	M4	8-32 UNC	1.472 [37.39]	0.157 [3.99]	1.331 [33.81]	0.748 [19.00]	0.197 [5.00]	0.622 [15.80]	0.260 [6.60]	0.685 [17.40]	***0.134 [3.40]***	***0.559 [14.20]***	***0.071 [1.80]***	***0.496 [12.60]***
24	1.374 [34.90]	1.752 [44.50]	0.146 [3.71]	M4	10-24 UNC	1.610 [40.89]	0.157 [3.99]	1.409 [35.80]	0.811 [20.60]	0.197 [5.00]	0.622 [15.80]	0.260 [6.60]	0.685 [17.40]	0.134 [3.40]	0.559 [14.20]	0.071 [1.80]	***0.496 [12.60]***
28	1.563 [39.70]	2.000 [50.80]	0.146 [3.71]	M5	10-24 UNC	1.839 [46.71]	0.157 [3.99]	1.409 [35.80]	0.811 [20.60]	0.197 [5.00]	0.657 [16.69]	***0.260 [6.60]***	***0.720 [18.29]***	0.134 [3.40]	0.594 [15.09]	0.071 [1.80]	***0.531 [13.49]***
32	1.752 [44.50]	2.244 [57.00]	0.169 [4.29]	M5	1/4-20 UNC	2.102 [53.39]	0.157 [3.99]	1.469 [37.31]	0.874 [22.20]	***0.197 [5.00]***	***0.720 [18.29]***	***0.260 [6.60]***	***0.783 [19.89]***	0.134 [3.40]	0.657 [16.69]	0.071 [1.80]	0.594 [15.09]
36	1.937 [49.20]	2.500 [63.50]	0.169 [4.29]	M5	1/4-20 UNC	2.346 [59.59]	0.157 [3.99]	1.469 [37.31]	0.874 [22.20]	***0.197 [5.00]***	***0.720 [18.29]***	***0.260 [6.60]***	***0.783 [19.89]***	0.134 [3.40]	0.657 [16.69]	0.071 [1.80]	0.594 [15.09]
40▲	2.185 [55.50]	2.752 [69.90]	0.169 [4.29]	M5	1/4-20 UNC	2.579 [65.51]	0.157 [3.99]	1.469 [37.31]	0.874 [22.20]	***0.197 [5.00]***	***0.720 [18.29]***	***0.260 [6.60]***	***0.783 [19.89]***	0.134 [3.40]	0.657 [16.69]	0.071 [1.80]	0.594 [15.09]

Dimensions in brackets [ ] are in millimeters.
▲ Insert arrangement not listed in AS95234. Available with solder contacts or removeable crimp contacts (rubber retention).
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* ±.020

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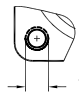
BOX MOUNT RECEPTACLE, PCB REAR PANEL MOUNT

24YM*

MOUNTING HOLE OPTION

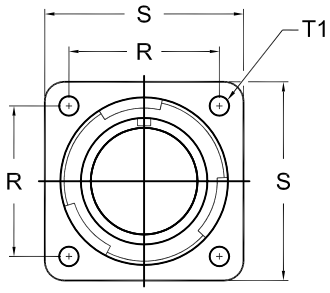


THREADED

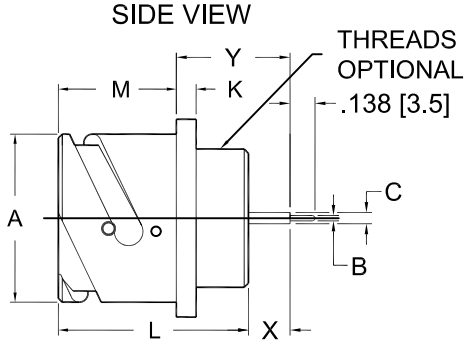
MOUNTING HOLE CODES

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

FRONT VIEW



SIDE VIEW



SCPBYM24* **Environmental when used with sealing gasket with P.C. Tail contacts**
SCPBGYM24* **Environmental when used with sealing gasket with P.C. Tail contacts and grounding spring**

AVAILABLE CONTACT	B +.000 [+0.00] -.002 [-0.05]	C +.000 [+0.00] -.004 [-0.10]
Size 16S & 16	.030 [0.75]	.063 [1.6]
Size 12	.071 [1.80]	.134 [3.40]

Connectors are available only with contact sizes 16S, 16 and 12. For different contact sizes please consult factory.

SHELL SIZE	FRONT VIEW					SIDE VIEW											
	R ±.004 [±0.10]	S ±.012 [±0.30]	T1 +.004 [+0.10] -.000 [-0.00]	T2 THREAD		A +.000 [+0.00] -.006 [-0.15]	K ±.008 [±0.20]	L ±.012 [±0.31]	M +.016 [+0.41] -.000 [-0.00]	TYPE YM*		TYPE YM1*		TYPE YM2*		TYPE YM3*	
				MET-RIC	UNC					X*	Y*	X*	Y*	X*	Y*	X*	Y*
10SL	0.717 [18.21]	1.000 [25.40]	0.126 [3.20]	M4	8-32 UNC	0.717 [18.21]	0.110 [2.79]	1.087 [27.61]	0.717 [18.21]	0.626 [15.90]	0.197 [5.00]	0.567 [14.40]	0.260 [6.60]	0.630 [16.00]	***0.134 [3.40]***	***0.071 [1.80]***	***0.504 [12.80]***
12S▲	0.809 [20.55]	1.100 [27.94]	0.126 [3.20]	M4	8-32 UNC	0.835 [21.21]	0.110 [2.79]	1.087 [27.61]	0.717 [18.21]	0.626 [15.90]	0.197 [5.00]	0.567 [14.40]	0.260 [6.60]	0.630 [16.00]	***0.134 [3.40]***	***0.071 [1.80]***	***0.504 [12.80]***
14S	0.906 [23.01]	1.181 [30.00]	0.126 [3.20]	M4	8-32 UNC	0.969 [24.61]	0.126 [3.20]	1.087 [27.61]	0.717 [18.21]	0.756 [19.20]	0.197 [5.00]	0.567 [14.40]	0.260 [6.60]	0.630 [16.00]	***0.134 [3.40]***	***0.071 [1.80]***	***0.504 [12.80]***
16S	0.969 [24.61]	1.280 [32.51]	0.126 [3.20]	M4	8-32 UNC	1.079 [27.41]	0.126 [3.20]	1.087 [27.61]	0.717 [18.21]	0.882 [22.40]	0.197 [5.00]	0.567 [14.40]	0.260 [6.60]	0.630 [16.00]	***0.134 [3.40]***	0.071 [1.80]	0.504 [12.80]
16	0.969 [24.61]	1.280 [32.51]	0.126 [3.20]	M4	8-32 UNC	1.079 [27.41]	0.126 [3.20]	1.331 [33.81]	0.907 [23.04]	0.882 [22.40]	0.197 [5.00]	0.622 [15.80]	0.260 [6.60]	0.685 [17.40]	***0.134 [3.40]***	0.071 [1.80]	0.559 [14.20]
18	1.063 [27.00]	1.378 [35.00]	0.126 [3.20]	M4	8-32 UNC	1.213 [30.81]	0.157 [3.99]	1.331 [33.81]	0.907 [23.04]	1.008 [25.60]	0.197 [5.00]	0.622 [15.80]	0.260 [6.60]	0.685 [17.40]	***0.134 [3.40]***	0.071 [1.80]	0.559 [14.20]
20	1.157 [29.39]	1.496 [38.00]	0.126 [3.20]	M4	8-32 UNC	1.346 [34.19]	0.157 [3.99]	1.331 [33.81]	0.907 [23.04]	1.142 [29.01]	0.197 [5.00]	0.622 [15.80]	0.260 [6.60]	0.685 [17.40]	***0.134 [3.40]***	0.071 [1.80]	0.559 [14.20]
22	1.252 [31.80]	1.614 [41.00]	0.126 [3.20]	M4	8-32 UNC	1.472 [37.39]	0.157 [3.99]	1.331 [33.81]	0.907 [23.04]	1.268 [32.21]	0.197 [5.00]	0.622 [15.80]	0.260 [6.60]	0.685 [17.40]	***0.134 [3.40]***	0.071 [1.80]	0.559 [14.20]
24	1.374 [34.90]	1.752 [44.50]	0.146 [3.71]	M4	10-24 UNC	1.610 [40.89]	0.157 [3.99]	1.409 [35.79]	0.907 [23.04]	1.390 [35.31]	0.197 [5.00]	0.622 [15.80]	0.260 [6.60]	0.685 [17.40]	***0.134 [3.40]***	0.071 [1.80]	0.559 [14.20]
28	1.563 [39.70]	2.000 [50.80]	0.146 [3.71]	M5	10-24 UNC	1.839 [46.71]	0.157 [3.99]	1.409 [35.79]	0.907 [23.04]	1.630 [41.40]	0.197 [5.00]	0.657 [16.69]	0.260 [6.60]	***0.720 [18.29]***	0.134 [3.40]	0.071 [1.80]	0.594 [15.09]
32	1.752 [44.50]	2.244 [57.00]	0.169 [4.29]	M5	1/4-20 UNC	2.102 [53.39]	0.157 [3.99]	1.469 [37.31]	0.947 [24.05]	1.882 [47.80]	***0.197 [5.00]***	***0.720 [18.29]***	***0.260 [6.60]***	***0.783 [19.89]***	0.134 [3.40]	0.071 [1.80]	0.657 [16.69]
36	1.937 [49.20]	2.500 [63.50]	0.169 [4.29]	M5	1/4-20 UNC	2.346 [59.59]	0.157 [3.99]	1.469 [37.31]	0.947 [24.05]	2.130 [54.10]	***0.197 [5.00]***	***0.720 [18.29]***	***0.260 [6.60]***	***0.783 [19.89]***	0.134 [3.40]	0.071 [1.80]	0.657 [16.69]
40▲	2.185 [55.50]	2.752 [69.90]	0.169 [4.29]	M5	1/4-20 UNC	2.579 [65.51]	0.157 [3.99]	1.469 [37.31]	0.947 [24.05]	2.323 [59.00]	***0.197 [5.00]***	***0.720 [18.29]***	***0.260 [6.60]***	***0.783 [19.89]***	0.134 [3.40]	0.071 [1.80]	0.657 [16.69]

Dimensions in brackets [ ] are in millimeters.
▲ Insert arrangement not listed in AS95234. Available with solder contacts or removeable crimp contacts (rubber retention).
CONSULT FACTORY.
* ±.020

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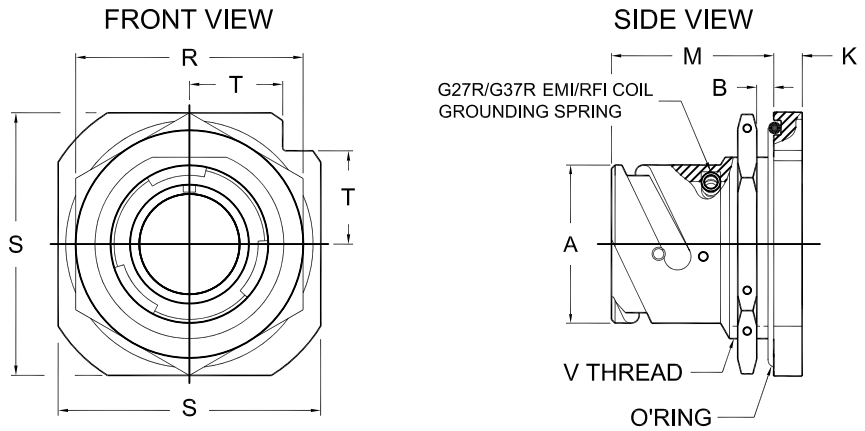
JAM NUT RECEPTACLE

AS95234/7*



SCPB27R* **Environmental, solder contacts**
SCPBG27R* **Environmental, solder contacts, with EMI/RFI grounding spring**
SCPB37R* **Environmental, crimp front release contacts**
SCPBG37R* **Environmental, crimp front release contacts, with EMI/RFI grounding spring**

SHELL SIZE	FRONT VIEW			SIDE VIEW					
	R ±.016 [±0.41]	S ±.012 [±0.30]	T MAX.	A +.000 [+0.00] -.006 [-0.15]	B PANEL THICKNESS MIN.	B PANEL THICKNESS MAX.	K ±.008 [±0.20]	M +.016 [+0.41] -.000 [-0.00]	V THREAD CLASS 2A
10SL	1.063 [27.00]	1.252 [31.80]	0.441 [11.20]	0.717 [18.21]	0.094 [2.39]	0.205 [5.21]	0.157 [3.99]	0.965 [24.51]	7/8-20 UNEF
12S▲	1.188 [30.18]	1.374 [34.9]	0.481 [12.22]	0.835 [21.21]	0.094 [2.39]	0.205 [5.21]	0.157 [3.99]	1.024 [26.01]	1-20 UNEF
14S	1.299 [32.99]	1.626 [41.30]	0.575 [14.61]	0.969 [24.61]	0.094 [2.39]	0.295 [7.49]	0.189 [4.80]	1.055 [26.80]	1 1/8-18 UNEF
16S	1.500 [38.10]	1.748 [44.40]	0.618 [15.70]	1.079 [27.41]	0.094 [2.39]	0.295 [7.49]	0.189 [4.80]	1.055 [26.80]	1 1/4-18 UNEF
16	1.500 [38.10]	1.748 [44.40]	0.618 [15.70]	1.079 [27.41]	0.094 [2.39]	0.295 [7.49]	0.189 [4.80]	1.264 [32.11]	1 1/4-18 UNEF
18	1.563 [39.70]	1.874 [47.60]	0.661 [16.79]	1.213 [30.81]	0.094 [2.39]	0.354 [8.99]	0.189 [4.80]	1.327 [33.71]	1 3/8-18 UNEF
20	1.732 [43.99]	2.000 [50.80]	0.709 [18.01]	1.346 [34.19]	0.094 [2.39]	0.354 [8.99]	0.189 [4.80]	1.327 [33.71]	1 1/2-18 UNEF
22	1.811 [46.00]	2.134 [54.20]	0.795 [20.19]	1.472 [37.39]	0.094 [2.39]	0.358 [9.09]	0.189 [4.80]	1.327 [33.71]	1 5/8-18 UNEF
24	2.000 [50.80]	2.252 [57.20]	0.795 [20.19]	1.610 [40.89]	0.094 [2.39]	0.358 [9.09]	0.189 [4.80]	1.386 [35.20]	1 3/4-18 UNEF
28	2.165 [54.99]	2.500 [63.50]	0.886 [22.50]	1.839 [46.71]	0.094 [2.39]	0.335 [8.51]	0.220 [5.59]	1.386 [35.20]	2-18 UNS
32	2.441 [62.00]	2.748 [69.80]	0.972 [24.69]	2.102 [53.39]	0.094 [2.39]	0.256 [6.50]	0.220 [5.59]	1.386 [35.20]	2 1/4-16 UN
36	2.795 [70.99]	3.000 [76.20]	1.059 [26.90]	2.346 [59.59]	0.094 [2.39]	0.327 [8.31]	0.220 [5.59]	1.386 [35.20]	2 1/2-16 UN
40▲	2.953 [75.01]	3.287 [83.49]	1.165 [29.59]	2.579 [65.51]	0.094 [2.39]	0.327 [8.31]	0.220 [5.59]	1.386 [35.20]	2 3/4-16 UN

Dimensions in brackets [ ] are in millimeters.
▲ Insert arrangement not listed in AS95234. Available with solder contacts or removeable crimp contacts (rubber retention).

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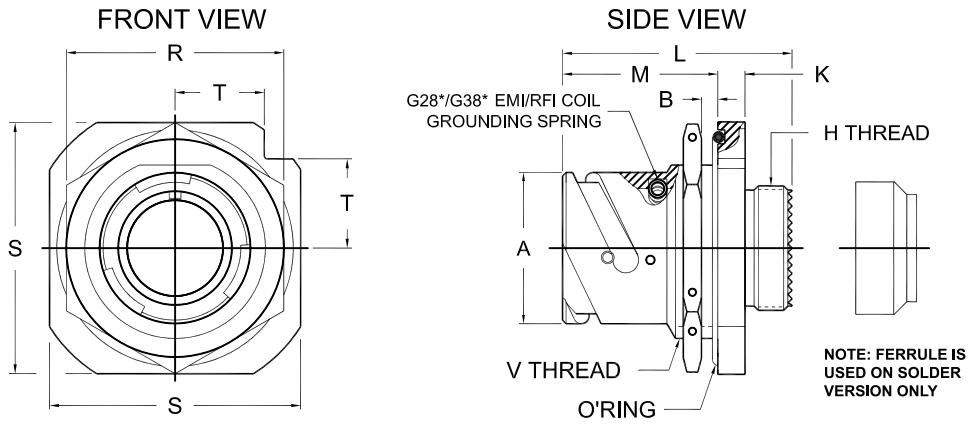


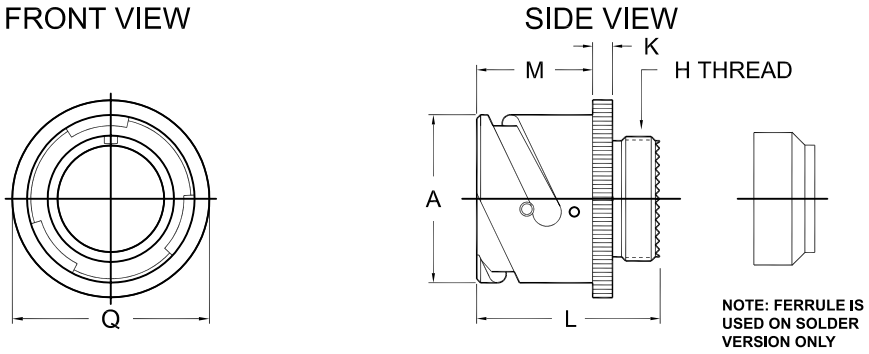
SCPB28* **Environmental, solder contacts**
SCPBG28* **Environmental with EMI/RFI grounding spring, solder contacts**
SCPB38* **Environmental, crimp front release contacts**
SCPBG38* **Environmental with EMI/RFI grounding spring, crimp front release contacts**

SHELL SIZE	FRONT VIEW			SIDE VIEW							
	R ±.016 [±0.41]	S ±.012 [±0.30]	T MAX.	A +.000 [+0.00] -.006 [-0.15]	B PANEL THICKNESS MIN.	B PANEL THICKNESS MAX.	H THREAD CLASS 2A	K ±.008 [±0.20]	L MAX.	M +.016 [+0.41] -.000 [-0.00]	V THREAD CLASS 2A
10SL	1.063 [27.00]	1.252 [31.80]	0.441 [11.20]	0.717 [18.21]	0.094 [2.39]	0.205 [5.21]	5/8-24 UNEF	0.157 [3.99]	1.570 [39.88]	0.965 [24.51]	7/8-20 UNEF
12S▲	1.188 [30.18]	1.374 [34.9]	0.481 [12.22]	0.835 [21.21]	0.094 [2.39]	0.295 [7.49]	3/4-20 UNEF	0.157 [3.99]	1.570 [39.88]	1.055 [26.80]	1-20 UNEF
14S	1.299 [32.99]	1.626 [41.30]	0.575 [14.61]	0.969 [24.61]	0.094 [2.39]	0.295 [7.49]	7/8-20 UNEF	0.189 [4.80]	1.570 [39.88]	1.055 [26.80]	1 1/8-18 UNEF
16S	1.500 [38.10]	1.748 [44.40]	0.618 [15.70]	1.079 [27.41]	0.094 [2.39]	0.295 [7.49]	1-20 UNEF	0.189 [4.80]	1.570 [39.88]	1.055 [26.80]	1 1/4-18 UNEF
16	1.500 [38.10]	1.748 [44.40]	0.618 [15.70]	1.079 [27.41]	0.094 [2.39]	0.295 [7.49]	1-20 UNEF	0.189 [4.80]	1.850 [46.99]	1.264 [32.11]	1 1/4-18 UNEF
18	1.563 [39.70]	1.874 [47.60]	0.661 [16.79]	1.213 [30.81]	0.094 [2.39]	0.354 [8.99]	1 1/16-18 UNEF	0.189 [4.80]	1.850 [46.99]	1.327 [33.71]	1 3/8-18 UNEF
20	1.732 [43.99]	2.000 [50.80]	0.709 [18.01]	1.346 [34.19]	0.094 [2.39]	0.354 [8.99]	1 3/16-18 UNEF	0.189 [4.80]	1.850 [46.99]	1.327 [33.71]	1 1/2-18 UNEF
22	1.811 [46.00]	2.134 [54.20]	0.795 [20.19]	1.472 [37.39]	0.094 [2.39]	0.358 [9.09]	1 5/16-18 UNEF	0.189 [4.80]	1.850 [46.99]	1.327 [33.71]	1 5/8-18 UNEF
24	2.000 [50.80]	2.252 [57.20]	0.795 [20.19]	1.610 [40.89]	0.094 [2.39]	0.358 [9.09]	1 7/16-18 UNEF	0.189 [4.80]	1.850 [46.99]	1.386 [35.20]	1 3/4-18 UNEF
28	2.165 [54.99]	2.500 [63.50]	0.886 [22.50]	1.839 [46.71]	0.094 [2.39]	0.358 [9.09]	1 3/4-18 UNS	0.220 [5.59]	2.100 [53.34]	1.386 [35.20]	2-18 UNS
32	2.441 [62.00]	2.748 [69.80]	0.972 [24.69]	2.102 [53.39]	0.094 [2.39]	0.256 [6.50]	2-18 UNS	0.220 [5.59]	2.100 [53.34]	1.386 [35.20]	2 1/4-16 UN
36	2.795 [70.99]	3.000 [76.20]	1.059 [26.90]	2.346 [59.59]	0.094 [2.39]	0.327 [8.31]	2 1/4-16 UN	0.220 [5.59]	2.100 [53.34]	1.386 [35.20]	2 1/2-16 UN
40▲	2.953 [75.01]	3.287 [83.50]	1.165 [29.59]	2.579 [65.51]	0.094 [2.39]	0.327 [8.31]	2 1/2-16 UN	0.220 [5.59]	2.100 [53.34]	1.386 [35.20]	2 3/4-16 UN

Dimensions in brackets [ ] are in millimeters.
▲ Insert arrangement not listed in AS95234. Available with solder contacts or removeable crimp contacts (rubber retention).

IN-LINE RECEPTACLE

AS95234/1*



SCPB21* Environmental, solder contacts
SCPB31* Environmental, crimp front release contacts

SHELL SIZE	FRONT VIEW	SIDE VIEW				
	Q MAX.	A +.000 [+0.00] -.006 [-0.15]	H THREAD CLASS 2A	K ±.008 [±0.20]	L MAX.	M +.016 [+0.41] -.000 [-0.00]
10SL	0.886 [22.50]	0.717 [18.21]	5/8-24 UNEF	0.110 [2.79]	1.570 [39.88]	0.559 [14.20]
12S▲	1.000 [25.40]	0.835 [21.21]	3/4-20 UNEF	0.110 [2.79]	1.570 [39.88]	0.559 [14.20]
14S	1.161 [29.49]	.969 [24.61]	7/8-20 UNEF	0.126 [3.20]	1.570 [39.88]	0.559 [14.20]
16S	1.240 [31.50]	1.079 [27.41]	1-20 UNEF	0.126 [3.20]	1.570 [39.88]	0.559 [14.20]
16	1.240 [31.50]	1.079 [27.41]	1-20 UNEF	0.126 [3.20]	1.850 [46.99]	0.748 [19.00]
18	1.358 [34.49]	1.213 [30.81]	1 1/16-18 UNEF	0.157 [3.99]	1.850 [46.99]	0.748 [19.00]
20	1.476 [37.49]	1.346 [34.19]	1 3/16-18 UNEF	0.157 [3.99]	1.850 [46.99]	0.748 [19.00]
22	1.594 [40.49]	1.472 [37.39]	1 5/16-18 UNEF	0.157 [3.99]	1.850 [46.99]	0.748 [19.00]
24	1.752 [44.50]	1.610 [40.89]	1 7/16-18 UNEF	0.157 [3.99]	1.850 [46.99]	0.811 [20.60]
28	1.969 [50.01]	1.839 [46.70]	1 3/4-18 UNS	0.157 [3.99]	2.100 [53.34]	0.811 [20.60]
32	2.224 [56.49]	2.102 [53.39]	2-18 UNS	0.157 [3.99]	2.100 [53.34]	0.874 [22.20]
36	2.480 [62.99]	2.346 [59.59]	2 1/4-16 UN	0.157 [3.99]	2.100 [53.34]	0.874 [22.20]
40▲	2.717 [69.01]	2.579 [65.51]	2 1/2-16 UN	0.157 [3.99]	2.100 [53.34]	0.874 [22.20]

Dimensions in brackets [ ] are in millimeters.
▲ Insert arrangement not listed in AS95234. Available with solder contacts or removeable crimp contacts (rubber retention).

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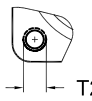
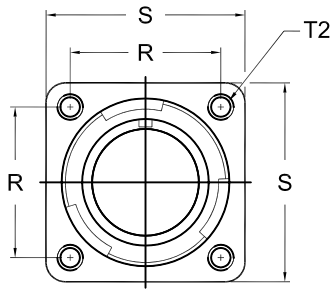
MOUNTING HOLE OPTIONS
SCPB VERSION ONLY



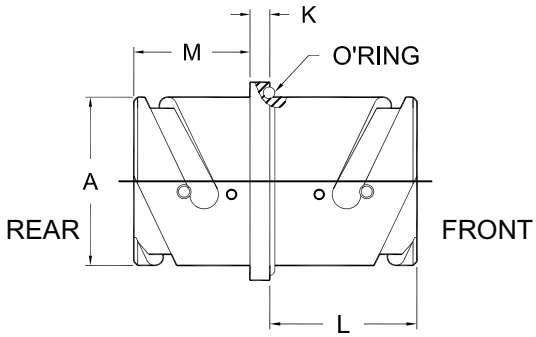
THREADED
MOUNTING HOLE CODES

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

FRONT VIEW



SIDE VIEW



Pin Side for SCPTB13**G

Socket Side for SCPTB13**G

Socket Side for SCPTB13**H

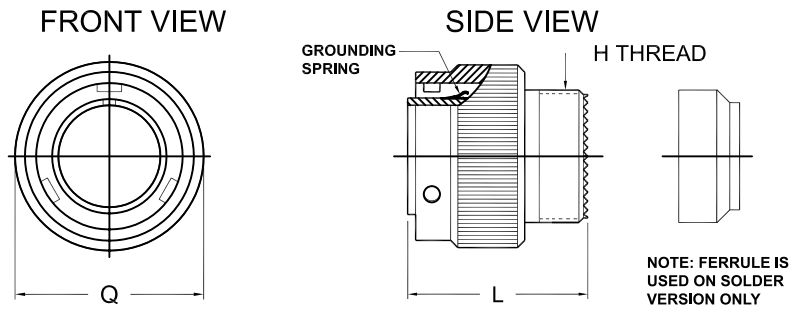
Pin Side for SCPTB13**H

SCPB13G*** **Environmental when used with sealing gasket (pin-socket)**
SCPB13H*** **Environmental when used with sealing gasket (socket-pin)**

SHELL SIZE	FRONT VIEW					SIDE VIEW			
	R ±.004 [±0.10]	S ±.012 [±0.30]	T1 +.004 [+0.10] -.000 [-0.00]	T2 THREAD METRIC	T2 THREAD UNC	A +.000 [+0.00] -.006 [-0.15]	K ±.008 [±0.20]	L MAX.	M +.016 [+0.41] -.000 [-0.00]
10SL	0.717 [18.21]	1.000 [25.40]	0.126 [3.20]	M4	8-32 UNC	0.717 [18.21]	0.110 [2.79]	0.807 [20.50]	0.559 [14.20]
12S▲	0.809 [20.55]	1.100 [27.94]	0.126 [3.20]	M4	8-32 UNC	0.835 [21.21]	0.110 [2.79]	0.807 [20.50]	0.559 [14.20]
14S	0.906 [23.01]	1.181 [30.00]	0.126 [3.20]	M4	8-32 UNC	0.969 [24.61]	0.126 [3.20]	0.791 [20.09]	0.559 [14.20]
16S	0.969 [24.61]	1.280 [32.51]	0.126 [3.20]	M4	8-32 UNC	1.079 [27.41]	0.126 [3.20]	0.791 [20.09]	0.559 [14.20]
16	0.969 [24.61]	1.280 [32.51]	0.126 [3.20]	M4	8-32 UNC	1.079 [27.41]	0.126 [3.20]	1.150 [29.21]	0.748 [19.00]
18	1.063 [27.00]	1.378 [35.00]	0.126 [3.20]	M4	8-32 UNC	1.213 [30.81]	0.157 [3.99]	1.118 [28.40]	0.748 [19.00]
20	1.157 [29.39]	1.496 [38.00]	0.126 [3.20]	M4	8-32 UNC	1.346 [34.19]	0.157 [3.99]	1.118 [28.40]	0.748 [19.00]
22	1.252 [31.80]	1.614 [41.00]	0.126 [3.20]	M4	8-32 UNC	1.472 [37.39]	0.157 [3.99]	1.118 [28.40]	0.768 [19.50]
24	1.374 [34.90]	1.752 [44.50]	0.146 [3.71]	M4	10-24 UNC	1.610 [40.89]	0.157 [3.99]	1.055 [26.80]	0.811 [20.60]
28	1.563 [39.70]	2.000 [50.80]	0.146 [3.71]	M5	10-24 UNC	1.839 [46.71]	0.157 [3.99]	1.055 [26.80]	0.811 [20.60]
32	1.752 [44.50]	2.244 [57.00]	0.169 [4.29]	M5	1/4-20 UNC	2.102 [53.39]	0.157 [3.99]	0.992 [25.20]	0.874 [22.20]
36	1.937 [49.20]	2.500 [63.50]	0.169 [4.29]	M5	1/4-20 UNC	2.346 [59.59]	0.157 [3.99]	0.992 [25.20]	0.874 [22.20]
40▲	2.185 [55.50]	2.752 [69.90]	0.169 [4.29]	M5	1/4-20 UNC	2.579 [65.51]	0.157 [3.99]	0.992 [25.20]	0.874 [22.20]

Dimensions in brackets [ ] are in millimeters.
▲ Insert arrangement not listed in AS95234. Available with solder contacts or removeable crimp contacts (rubber retention).

STRAIGHT PLUG AS95234/6*
STRAIGHT PLUG WITH GROUNDING SPRING
AS95234/9*



SCPB26* **Environmental, solder contacts**
SCPBG26* **Environmental with EMI/RFI grounding spring, solder contacts**
SCPB36* **Environmental, crimp front release contacts**
SCPBG36* **Environmental with EMI/RFI grounding spring, crimp front release contacts**

SHELL SIZE	FRONT VIEW	SIDE VIEW	
	Q MAX	H THREAD CLASS 2A	L MAX
10SL	0.898 [22.8]	5/8-24 UNEF	1.570 [39.88]
12S▲	1.025 [26.04]	3/4-20 UNEF	1.570 [39.88]
14S	1.150 [29.20]	7/8-20 UNEF	1.570 [39.88]
16S	1.260 [32.00]	1-20 UNEF	1.570 [39.88]
16	1.260 [32.00]	1-20 UNEF	1.850 [46.99]
18	1.437 [36.50]	1 1/16-18 UNEF	1.850 [46.99]
20	1.571 [39.90]	1 3/16-18 UNEF	1.850 [46.99]
22	1.697 [43.10]	1 5/16-18 UNEF	1.850 [46.99]
24	1.835 [46.61]	1 7/16-18 UNEF	1.850 [46.99]
28	2.102 [53.39]	1 3/4-18 UNS	2.100 [53.34]
32	2.366 [60.10]	2-18 UNS	2.100 [53.34]
36	2.610 [66.30]	2 1/4-16 UN	2.100 [53.34]
40▲	2.850 [72.40]	2 1/2-16 UN	2.100 [53.34]

Dimensions in brackets [ ] are in millimeters.
▲ Insert arrangement not listed in AS95234. Available with solder contacts or removeable crimp contacts (rubber retention).

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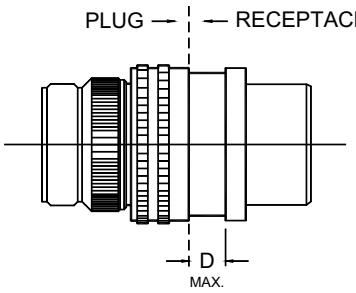
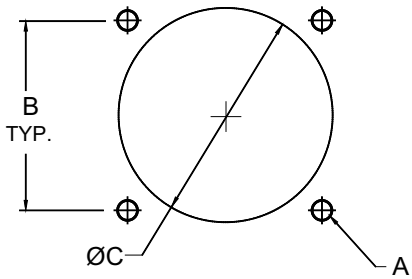
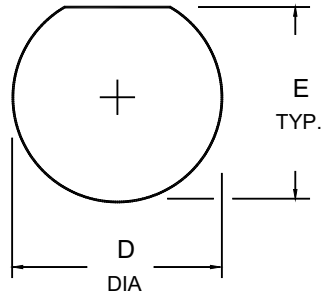
MOUNTING DATA FOR RECEPTACLES

MAXIMUM PANEL THICKNESS







SHELL SIZE	D		
	SCPB 20, 22, 30, 32	SCPB 23, 24, 33, 34	SCPB 13
10SL	.146 [3.70]	.283 [7.20]	.393 [10.0]
12S▲	.146 [3.70]	.283 [7.20]	.393 [10.0]
14S	.146 [3.70]	.283 [7.20]	.378 [9.6]
16S	.146 [3.70]	.283 [7.20]	.378 [9.6]
16	.146 [3.70]	.295 [7.50]	.543 [13.8]
18	.146 [3.70]	.295 [7.50]	.512 [13.0]
20	.146 [3.70]	.295 [7.50]	.512 [13.0]
22	.146 [3.70]	.295 [7.50]	.512 [13.0]
24	.207 [5.25]	.295 [7.50]	.449 [11.4]
28	.207 [5.25]	.323 [8.20]	.488 [12.4]
32	.241 [6.10]	.295 [7.50]	.354 [9.0]
36	.241 [6.10]	.295 [7.50]	.354 [9.0]
40▲	.237 [6.00]	.295 [7.50]	.354 [9.0]

Dimensions in brackets [ ] are in millimeters.
▲ Insert arrangement not listed in AS95234. Available with solder contacts or removeable crimp contacts (rubber retention).

SHELL SIZE	A	B ±.004	C DIAMETER		D	E
	SCPB 20, 22, 23, 24, 30, 32, 33, 34	SCPB 20, 22, 23, 24, 30, 32, 33, 34	FRONT MOUNT SCPB 20, 22, 30, 32	REAR MOUNT SCPB 23, 24, 33, 34	JAM NUT SCPB 27, 28, 37, 38	JAM NUT SCPB 27, 28, 37, 38
10SL	.126 [3.20]	.717 [18.21]	.6875 [17.46]	.752 [19.10]	.875 [22.23]	.83 [21.08]
12S▲	.126 [3.20]	.809 [20.55]	.815 [20.70]	.870 [22.10]	1.000 [25.40]	.95 [24.13]
14S	.126 [3.20]	.906 [23.01]	.9375 [23.81]	1.004 [25.50]	1.125 [28.58]	1.08 [27.43]
16S/16	.126 [3.20]	.969 [24.61]	1.050 [26.67]	1.114 [28.30]	1.250 [31.75]	1.21 [30.73]
18	.126 [3.20]	1.063 [27.00]	1.1125 [28.26]	1.248 [31.70]	1.375 [34.93]	1.32 [33.53]
20	.126 [3.20]	1.157 [29.39]	1.252 [31.80]	1.378 [35.00]	1.500 [38.10]	1.45 [36.83]
22	.126 [3.20]	1.252 [31.80]	1.374 [34.90]	1.508 [38.30]	1.625 [41.28]	1.57 [39.88]
24	.146 [3.71]	1.374 [34.90]	1.492 [37.90]	1.646 [41.81]	1.750 [44.45]	1.70 [43.18]
28	.146 [3.71]	1.563 [39.70]	1.800 [45.72]	1.874 [47.60]	2.000 [50.80]	1.95 [49.53]
32	.169 [4.29]	1.752 [44.50]	2.060 [52.32]	2.138 [54.31]	2.250 [57.15]	2.20 [55.88]
36	.169 [4.29]	1.937 [49.20]	2.310 [58.67]	2.382 [60.50]	2.500 [63.50]	2.45 [62.23]
40▲	.169 [4.29]	2.185 [55.50]	2.560 [65.02]	2.625 [66.68]	2.750 [69.85]	2.70 [68.58]

Dimensions in brackets [ ] are in millimeters.
▲ Insert arrangement not listed in AS95234. Available with solder contacts or removeable crimp contacts (rubber retention).

GROMMET HOLE SEALING RANGE

HOLE SIZE	SEALING RANGE
18-20	.039-.082 [1.0-2.1]
16	.090-.118 [2.3-3.0]
12	.126-.177 [3.2-4.5]
8	.150-.256 [3.8-6.5]
4	.279-.366 [7.1-9.3]
0	.394-.539 [10.0-13.7]

Dimensions in brackets [ ] are in millimeters.

RECOMMENDED TORQUE FORCES CONNECTOR BACKSHELLS

SIZE	IN./LB MAX
10SL	50
12S	50
14S	50
16	50
16S	50
18	50
20	100
22	100
24	100
28	190
32	190
36	190
40	210

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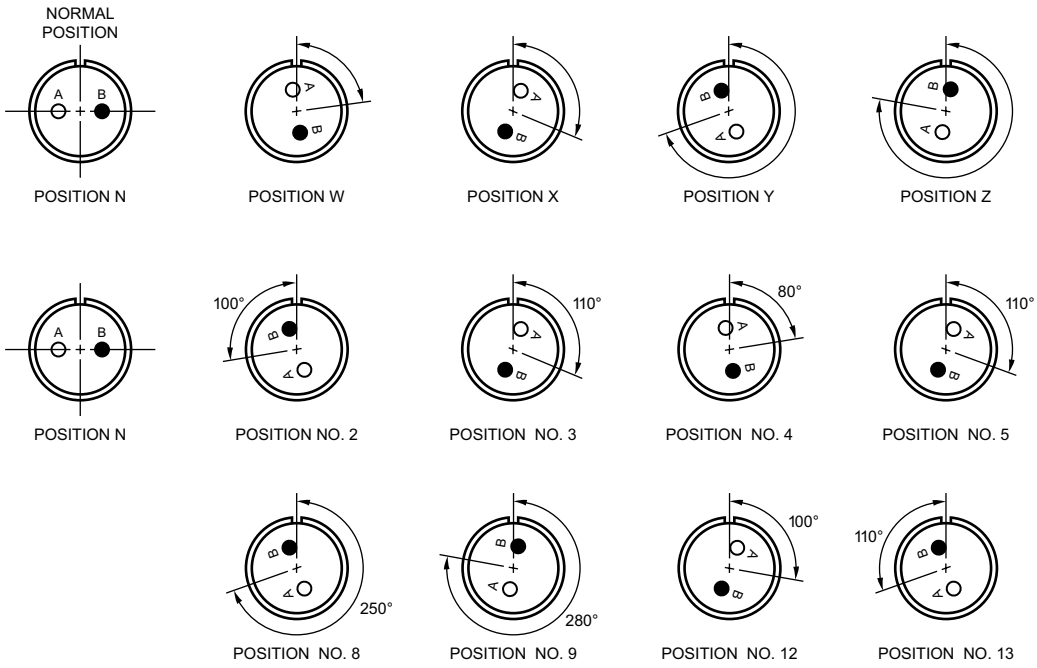
SECTION 2H
INSERT CONFIGURATIONS

ALTERNATE POSITIONS (POLARIZATION)

The diagrams indicate alternate insert positions. The four positions (W, X, Y, and Z) differ in degree of rotation for various sizes and layouts.



ENGAGING FACE OF PIN INSERTS SHOWN
SOCKET INSERTS ARE MIRROR IMAGES

AS95234 INSERT ARRANGEMENTS BY SHELL SIZE

SOLDER OR CRIMP FRONT RELEASE CONTACTS

INSERT NUMBER	NOTES	TOTAL	QTY	SIZE	Polarizaztions				Crimp Front Release		REMARKS
					W	X	Y	Z	STYLE P (Pin)	STYLE S (Socket)	
10SL-3	†★●	3	3	16	–	–	–	–	M39029/44-288	M39029/45-295	Position Q = 180°
10SL-4	‡★●	2	2	16	–	–	–	–	M39029/44-288	M39029/45-295	
12S-3	†	2	2	16	70	145	215	290	Note 1		
14S-1	‡●	3	3	16	–	–	–	–	M39029/44-288	M39029/45-295	Same as 14S-7
14S-2	†●	4	4	16	–	120	240	–	M39029/44-288	M39029/45-295	
14S-4	‡●	1	1	16	–	–	–	–	M39029/44-288	M39029/45-295	
14S-5	†●	5	5	16	–	110	–	–	M39029/44-288	M39029/45-295	
14S-6	†★●	6	6	16	–	–	–	–	M39029/44-288	M39029/45-295	Non-Military Positions W=80°
14S-7	†●	3	3	16	90	180	270	–	M39029/44-288	M39029/45-295	
14-07	#	7	7	16S	–	–	–	–	Use 14SA7		
14SA7	#	7	7	16S	–	–	–	–	Note 1		Replaces: 14-07
14S-9	‡●	2	2	16	70	145	215	290	M39029/44-288	M39029/45-295	
16-2	†●	1	1	12	–	–	–	–	M39029/44-290	M39029/45-297	
16-7	†★●	3	2 1	16 8	80	110	250	280	M39029/44-288 M39029/44-291	M39029/45-295 M39029/45-298	
16-9	†●	4	2 2	16 12	35	110	250	325	M39029/44-288 M39029/44-290	M39029/45-295 M39029/45-297	
16-10	†★●	3	3	12	90	180	270	–	M39029/44-290	M39029/45-297	
16A10	#	10	10	16	35	112	235	315	Note 1		
16-11	†●	2	2	12	35	110	250	325	M39029/44-290	M39029/45-297	
16A11	★●	2	2	12	35	110	250	325	M39029/44-290	M39029/45-297	
16-12	†★●	1	1	4	–	–	–	–	M39029/44-292	M39029/45-299	
16-13	†●	2	2	12	35	110	250	325	Thermocouple		
16S-1	†★●	7	7	16	80	–	–	280	M39029/44-288	M39029/45-295	
16S-3	†●	1	1	16	–	–	–	–	M39029/44-288	M39029/45-295	
16S-4	†★●	2	2	16	35	110	250	325	M39029/44-288	M39029/45-295	
16S-5	‡	3	3	16	70	145	215	290	M39029/44-288	M39029/45-295	
16S-6	‡	3	3	16	90	180	270	–	M39029/44-288	M39029/45-295	
16S-8	†	5	5	16	–	170	265	–	M39029/44-288	M39029/45-295	
18-1	†★●	10	10	16	70	145	215	290	M39029/44-288	M39029/45-295	
18-3	‡●	2	2	12	35	110	250	325	M39029/44-290	M39029/45-297	
18-4	†●	4	4	16	35	110	250	325	M39029/44-288	M39029/45-295	
18-5	†●	3	1 2	16 12	80	110	250	280	M39029/44-288 M39029/44-290	M39029/45-295 M39029/45-297	
18-6	†●	1	1	4	–	–	–	–	M39029/44-292	M39029/45-299	
18-06	#	6	2 4	16 12	–	180	–	–	Use 18A6		
18A6	#	6	2 4	16 12	–	180	–	–	Note 1		
18-7	†●	1	1	8	–	–	–	–	M39029/44-291	M39029/45-298	
18-8	†●	8	7 1	16 12	70	–	–	290	M39029/44-288 M39029/44-290	M39029/45-295 M39029/45-297	
18-9	†★●	7	5 2	16 12	80	110	250	280	M39029/44-288 M39029/44-290	M39029/45-295 M39029/45-297	
18-10	‡●	4	4	12	–	120	240	–	M39029/44-290	M39029/45-297	
18-11	†★●	5	5	12	–	170	265	–	M39029/44-290	M39029/45-297	
18-12	†●	6	6	16	80	–	–	280	M39029/44-288	M39029/45-295	
18-13	†★●	4	3 1	12 8	80	110	250	280	M39029/44-290 M39029/44-291	M39029/45-297 M39029/45-298	
18-14	†●	2	1 1	16 4	80	110	250	280	M39029/44-288 M39029/44-292	M39029/45-295 M39029/45-299	
18-15	†●	4	4	12	–	120	240	–	M39029/44-290	M39029/45-297	
18-16	†●	1	1	12	–	–	–	–	High Voltage		
18-19	‡	10	10	16	–	120	240	–	M39029/44-288	M39029/45-295	
18-20	‡●	5	5	16	90	180	270	–	M39029/44-288	M39029/45-295	

† MIL-STD-1651
‡ MIL-STD-1651 Inactive for new design
Note 1: Insert arrangement not listed in AS95234.
Available with solder contacts or removeable crimp contacts (rubber retention).

★ VG95234
● AS95234
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AS95234 INSERT ARRANGEMENTS BY SHELL SIZE

SOLDER OR CRIMP FRONT RELEASE CONTACTS

INSERT NUMBER	NOTES	TOTAL	QTY	SIZE	Polarizaztions				Crimp Front Release		REMARKS
					W	X	Y	Z	STYLE P (Pin)	STYLE S (Socket)	
18-21	‡	3	3	12	90	180	270	–	M39029/44-290	M39029/45-297	
18-22	‡●	3	3	16	70	145	215	290	M39029/44-288	M39029/45-295	
18-29	‡●	5	5	16	90	180	270	–	M39029/44-288	M39029/45-295	
18A31	#	10	10	16	–	–	–	–	Note 1 – Position #5 of 18-1		
20-1	‡#	14	14	16	35	110	250	325	M39029/44-288	M39029/45-295	Same as 20-27
20-2	†★●	1	1	1/0	–	–	–	–	M39029/44-293	M39029/45-300	
20-3	‡●	3	3	12	70	145	215	290	M39029/44-290	M39029/45-297	
20-4	†●	4	4	12	45	110	250	–	M39029/44-290	M39029/45-297	
20-5	‡●	2	2	16	35	110	250	325	M39029/44-288	M39029/45-295	
20-6	‡●	3	3	16	70	145	215	290	M39029/44-288	M39029/45-295	
20-7	†●	8	8	16	80	110	250	280	M39029/44-288	M39029/45-295	
20-8	†★●	6	4 2	16 8	80	110	250	280	M39029/44-288 M39029/44-291	M39029/45-295 M39029/45-298	
20B8	#	8	4 4	16 12	–	–	–	–	Note 1		
20-9	†●	8	7 1	16 12	80	110	250	280	M39029/44-288 M39029/44-290	M39029/45-295 M39029/45-297	
20A9	★●	9	9	12	80	110	250	280	M39029/44-290	M39029/45-297	
20-10	‡	4	4	16	–	–	–	–	M39029/44-288	M39029/45-295	
20-11	‡●	13	13	16	–	–	–	–	M39029/44-288	M39029/45-295	
20-12	‡●	2	1 1	16 4	80	110	250	280	M39029/44-288 M39029/44-292	M39029/45-295 M39029/45-299	
20-13	‡●	4	4	16	–	–	–	–	M39029/44-288	M39029/45-295	
20-14	†●	5	3 2	12 8	80	110	250	280	M39029/44-290 M39029/44-291	M39029/45-297 M39029/45-298	
20-15	†★●	7	7	12	80	–	–	280	M39029/44-290	M39029/45-297	
20-16	†●	9	7 2	16 12	80	110	250	280	M39029/44-288 M39029/44-290	M39029/45-295 M39029/45-297	
20A16	#	13	13	16	–	–	–	–	Note 1 – Same as 20-11		
20-17	†●	6	1 5	16 12	90	180	270	–	M39029/44-288 M39029/44-290	M39029/45-295 M39029/45-297	
20-18	†●	9	6 3	16 12	35	110	250	325	M39029/44-288 M39029/44-290	M39029/45-295 M39029/45-297	
20-19	‡●	3	3	8	90	180	270	–	M39029/44-291	M39029/45-298	
20-20	‡●	4	3 1	12 4	80	110	250	280	M39029/44-290 M39029/44-292	M39029/45-297 M39029/45-299	
20-21	†●	9	8 1	16 12	35	110	250	325	M39029/44-288 M39029/44-290	M39029/45-295 M39029/45-297	
20-22	†●	6	3 3	16 8	80	110	250	280	M39029/44-288 M39029/44-291	M39029/45-295 M39029/45-298	
20-23	‡●	2	2	8	35	110	250	325	M39029/44-291	M39029/45-298	
20-24	‡●	4	2 2	16 8	35	110	250	325	M39029/44-288 M39029/44-291	M39029/45-295 M39029/45-298	
20-26	‡	3	3	12	–	–	–	–	M39029/44-290	M39029/45-297	
20-27	†●	14	14	16	35	110	250	325	M39029/44-288	M39029/45-295	
20-29	†●	17	17	16	80	–	–	280	M39029/44-288	M39029/45-295	
20-31	‡●	11	11	16	–	–	–	–	M39029/44-288	M39029/45-295	
20-33	†●	11	11	16	–	–	–	–	M39029/44-288	M39029/45-295	
20A48	★	19	19	16	–	80	280	–	Note 1		
20-58	#	10	5 5	16 12	–	–	–	–	Note 1		
22-1	‡●	2	2	8	35	110	250	325	M39029/44-291	M39029/45-298	
22-2	†★●	3	3	8	70	145	215	290	M39029/44-291	M39029/45-298	
22-3	‡●	2	1 1	16 4	80	110	250	280	M39029/44-288 M39029/44-292	M39029/45-295 M39029/45-299	
22-4	‡●	4	2 2	12 8	35	110	250	325	M39029/44-290 M39029/44-291	M39029/45-297 M39029/45-298	

† MIL-STD-1651
‡ MIL-STD-1651 Inactive for new design
Note 1: Insert arrangement not listed in AS95234.
Available with solder contacts or removeable crimp contacts (rubber retention).

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AS95234 INSERT ARRANGEMENTS BY SHELL SIZE

SOLDER OR CRIMP FRONT RELEASE CONTACTS

INSERT NUMBER	NOTES	TOTAL	QTY	SIZE	Polarizaztions				Crimp Front Release		REMARKS
					W	X	Y	Z	STYLE P (Pin)	STYLE S (Socket)	
22-5	†●	6	4 2	16 12	35	110	250	325	M39029/44-288 M39029/44-290	M39029/45-295 M39029/45-297	
22-6	‡●	3	1 2	16 8	80	110	250	280	M39029/44-288 M39029/44-291	M39029/45-295 M39029/45-298	
22-7	†●	1	1	1/0	–	–	–	–	M39029/44-293	M39029/45-300	
22-8	‡●	2	2	12	35	110	250	325	M39029/44-290	M39029/45-297	
22-9	†●	3	3	12	70	145	215	290	M39029/44-290	M39029/45-297	
22-10	†●	4	4	16	35	110	250	325	M39029/44-288	M39029/45-295	
22A10	#	10	10	16	–	120	240	–	Note 1		
22-11	†●	2	2	16	35	110	250	325	M39029/44-288	M39029/45-295	
22-12	†★●	5	3 2	16 8	80	110	250	280	M39029/44-288 M39029/44-291	M39029/45-295 M39029/45-298	
22-13	‡●	5	1 4	16 12	35	110	250	325	M39029/44-288 M39029/44-290	M39029/45-295 M39029/45-297	
22-14	†★●	19	19	16	80	110	250	280	M39029/44-288	M39029/45-295	
22-15	†●	6	1 5	16 12	80	110	250	280	M39029/44-288 M39029/44-290	M39029/45-295 M39029/45-297	
22-16	‡●	9	6 3	16 12	80	110	250	280	M39029/44-288 M39029/44-290	M39029/45-295 M39029/45-297	
22-17	†●	9	8 1	16 12	80	110	250	280	M39029/44-288 M39029/44-290	M39029/45-295 M39029/45-297	
22-18	†●	8	8	16	80	110	250	280	M39029/44-288	M39029/45-295	
22-19	†●	14	14	16	80	110	250	280	M39029/44-288	M39029/45-295	
22-20	‡●	9	9	16	35	110	250	325	M39029/44-288	M39029/45-295	
22-21	†●	3	2 1	16 1/0	80	110	250	280	M39029/44-288 M39029/44-293	M39029/45-295 M39029/45-300	
22-22	†★●	4	4	8	–	110	250	–	M39029/44-291	M39029/45-298	
22B22	★●	4	4	8	–	110	250	–	M39029/44-291	M39029/45-298	
22-23	†●	8	8	12	35	–	250	–	M39029/44-290	M39029/45-297	
22-24	‡●	6	4 2	16 12	80	110	250	280	M39029/44-288 M39029/44-290	M39029/45-295 M39029/45-297	
22-25	‡●	3	2 1	16 1/0	80	110	250	280	M39029/44-288 M39029/44-293	M39029/45-295 M39029/45-300	
22-26	‡	7	5 2	16 12	–	–	–	–	M39029/44-288 M39029/44-290	M39029/45-295 M39029/45-297	
22-27	†★●	9	8 1	16 8	80	–	250	280	M39029/44-288 M39029/44-291	M39029/45-295 M39029/45-298	
22-28	‡●	7	7	12	80	–	–	280	M39029/44-290	M39029/45-297	
22-29	‡●	7	6 1	16 4	80	110	250	280	M39029/44-288 M39029/44-292	M39029/45-295 M39029/45-299	
22-33	‡●	7	7	16	80	110	250	280	M39029/44-288	M39029/45-295	
22-34	‡●	5	2 3	16 12	80	110	250	280	M39029/44-288 M39029/44-290	M39029/45-295 M39029/45-297	
22-35	‡	3	3	8	–	–	–	–	M39029/44-291	M39029/45-298	
22-36	†●	8	8	12	90	–	270	–	Thermocouple		
22-63	#	12	8 4	16 12	–	–	–	–	Note 1		
22-70	#	13	5 8	16 12	–	–	–	–	Note 1		
22-82	#	10	8 2	16 8	80	110	250	280	Note 1		
24-1	‡●	2	1 1	12 1/0	80	110	250	280	M39029/44-290 M39029/44-293	M39029/45-297 M39029/45-300	
24A1	#	1	1	1/0	–	–	–	–	Note 1		
24-2	†●	7	7	12	80	–	–	280	M39029/44-290	M39029/45-297	
24-3	‡●	7	5 2	16 12	80	110	250	280	M39029/44-288 M39029/44-290	M39029/45-295 M39029/45-297	

† MIL-STD-1651
‡ MIL-STD-1651 Inactive for new design
Note 1: Insert arrangement not listed in AS95234.
Available with solder contacts or removeable crimp contacts (rubber retention).

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AS95234 INSERT ARRANGEMENTS BY SHELL SIZE

SOLDER OR CRIMP FRONT RELEASE CONTACTS

INSERT NUMBER	NOTES	TOTAL	QTY	SIZE	Polarizaztions				Crimp Front Release		REMARKS
					W	X	Y	Z	STYLE P (Pin)	STYLE S (Socket)	
24-4	†●	4	3 1	16 1/0	80	110	250	280	M39029/44-288 M39029/44-293	M39029/45-295 M39029/45-300	
24-5	‡●	16	16	16	80	110	250	280	M39029/44-288	M39029/45-295	
24G5	#	5	5	8	70	110	240	270	Note 1		
24-6	†●	8	8	12	80	110	250	280	M39029/44-290	M39029/45-295	
24-06	#	6	2 4	16 8	40	–	–	320	Note 1 – Use 24C06		
24A6	#	6	4 2	12 8	40	–	–	320	Note 1		
24C06	#	6	2 4	16 8	40	–	–	320	Note 1		
24-7	†●	16	14 2	16 12	80	110	250	280	M39029/44-288 M39029/44-290	M39029/45-295 M39029/45-297	
24-07	#	7	7	12	80	–	–	280	Note 1 – Use 24A7		
24A7	#	7	7	12	80	–	–	280	Note 1		
24-9	‡★●	2	2	4	35	110	250	325	M39029/44-292	M39029/45-299	
24-10	†★●	7	7	8	80	–	–	280	M39029/44-291	M39029/45-298	
24-11	†★●	9	6 3	12 8	35	110	250	325	M39029/44-290 M39029/44-291	M39029/45-297 M39029/45-298	
24-12	†★●	5	3 2	12 4	80	110	250	280	M39029/44-290 M39029/44-292	M39029/45-297 M39029/45-299	
24S12	#	12	10 2	16 4					Note 1		
24-013	#	13	7 6	16 12	–	–	–	–	Note 1 – Use 24A13		
24A13	#	13	7 6	16 12	–	–	–	–	Note 1		
24-14	‡●	3	2 1	12 1/0	80	110	250	280	M39029/44-290 M39029/44-293	M39029/45-297 M39029/45-300	
24S14	#	14	12 2	16 4	–	–	–	–	Note 1		
24-16	†●	7	3 3 1	16 12 8	80	110	250	280	M39029/44-288 M39029/44-290 M39029/44-291	M39029/45-295 M39029/45-297 M39029/45-298	
24-17	‡●	5	3 2	16 12	80	110	250	280	M39029/44-288 M39029/44-290	M39029/45-295 M39029/45-297	
24-18	‡	4	4	16	–	–	–	–	Shorting type		
24-19	‡	12	12	16	–	–	–	–	M39029/44-288	M39029/45-295	
24-20	†●	11	9 2	16 12	80	110	250	280	M39029/44-288 M39029/44-290	M39029/45-295 M39029/45-297	
24-21	†●	10	9 1	16 8	80	110	250	280	M39029/44-288 M39029/44-291	M39029/45-295 M39029/45-298	
24-22	†●	4	4	8	45	110	250	–	M39029/44-291	M39029/45-298	
24-23	‡●	5	2 3	16 8	80	110	250	280	M39029/44-288 M39029/44-291	M39029/45-295 M39029/45-298	
24A25	#	25	25	16	80	110	250	280	Note 1		
24-27	†●	7	7	16	80	–	–	280	M39029/44-288	M39029/45-295	
24-28	†★●	24	24	16	80	110	250	280	M39029/44-288	M39029/45-295	
24A28	#	28	28	16	65	146	235	–	Note 1		
24A40	#	16	14 2	16 12	–	–	–	–	Note 1		
24-58	#	13	7 3 3	16 12 8	–	–	–	–	Note 1		
24-59	#	14	7 7	16 12	–	–	–	–	Note 1		
24-65	#	15	4 11	16 12	–	–	–	–	Note 1		
24-66	#	7	7	12	–	–	–	–	Note 1		

† MIL-STD-1651
‡ MIL-STD-1651 Inactive for new design
Note 1: Insert arrangement not listed in AS95234.
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AS95234 INSERT ARRANGEMENTS BY SHELL SIZE

SOLDER OR CRIMP FRONT RELEASE CONTACTS

INSERT NUMBER	NOTES	TOTAL	QTY	SIZE	Polarizaztions				Crimp Front Release		REMARKS
					W	X	Y	Z	STYLE P (Pin)	STYLE S (Socket)	
24-67	#	19	19	12	80	–	–	335	Note 1		
24-79	#	5	5	8	–	–	–	–	Note 1		
24-80	†●	23	23	16	35	145	240	300	M39029/44-288	M39029/45-295	
28-1	†●	9	6 3	12 8	80	110	250	280	M39029/44-290 M39029/44-291	M39029/45-297 M39029/45-298	
28B1	#	1	1	1/0	–	–	–	–	Note 1		
28-2	†●	14 2	12 2	16 12	35	110	250	325	M39029/44-288 M39029/44-290	M39029/45-295 M39029/45-297	
28-3	†●	3	3	8	70	145	215	290	M39029/44-291	M39029/45-298	
28-4	†●	9	7 2	16 12	80	110	250	280	M39029/44-288 M39029/44-290	M39029/45-295 M39029/45-297	
28-5	†●	5	2 1 2	16 12 4	35	110	250	325	M39029/44-288 M39029/44-290 M39029/44-292	M39029/45-295 M39029/45-297 M39029/45-299	
28-6	‡●	3	3	4	70	145	215	290	M39029/44-292	M39029/45-299	
28-7	‡	2	2	4	35	110	250	325	M39029/44-292	M39029/45-299	
28-8	†●	12	10 2	16 12	80	110	250	280	M39029/44-288 M39029/44-290	M39029/45-295 M39029/45-297	
28-9	†●	12	6 6	16 12	80	110	250	280	M39029/44-288 M39029/44-290	M39029/45-295 M39029/45-297	
28-09	#	9	5 4	16 4	110	250	260	280	Note 1 – Use 28A9		
28A9	#	9	5 4	16 4	110	250	260	280	Note 1		
28-10	†●	7	3 2 2	12 8 4	80	110	250	280	M39029/44-290 M39029/44-291 M39029/44-292	M39029/45-297 M39029/45-298 M39029/45-299	
28-11	†★●	22	18 4	16 12	80	110	250	280	M39029/44-288 M39029/44-290	M39029/45-295 M39029/45-297	
28-12	†●	26	26	16	90	180	270	–	M39029/44-288	M39029/45-295	
28-14	‡●	11	11	16	80	110	250	280	M39029/44-288	M39029/45-295	
28-15	†●	35	35	16	80	110	250	280	M39029/44-288	M39029/45-295	
28-16	‡●	20	20	16	80	110	250	280	M39029/44-288	M39029/45-295	
28-17	†●	15	15	16	80	110	250	280	M39029/44-288	M39029/45-295	
28-18	†●	12	12	16	70	145	215	290	M39029/44-288	M39029/45-295	
28-19	†●	10	6 4	16 12	80	110	250	280	M39029/44-288 M39029/44-290	M39029/45-295 M39029/45-297	
28-20	†★●	14	4 10	16 12	80	110	250	280	M39029/44-288 M39029/44-290	M39029/45-295 M39029/45-297	
28-21	†★●	37	37	16	80	110	250	280	M39029/44-288	M39029/45-295	
28-22	†★●	6	3 3	16 4	70	145	215	290	M39029/44-288 M39029/44-292	M39029/45-295 M39029/45-299	
28A29	#	29	27 2	16 8	80	110	250	280	Note 1		
28A31	#	31	25 6	18 8	–	–	–	–	Note 1		
28A35	#	35	35	16	80	110	250	280	Note 1		
28-51	#	12	12	12	80	135	195	–	Note 1		
28A55	#	29	29	16	–	–	–	–	Note 1		
28-59	#	17	10 7	16 12	35	110	250	325	Note 1		
28A63	★●	28	19 9	16 12	–	100	260	–	M39029/44-288 M39029/44-290	M39029/45-295 M39029/45-297	
28-72	#	72	72	20	72	144	216	268	Note 1		
28-79	#	16	9 7	16 8	80	110	250	280	Note 1		
28-82	#	6	4 2	12 8	–	–	–	–	Note 1		

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AS95234 INSERT ARRANGEMENTS BY SHELL SIZE

SOLDER OR CRIMP FRONT RELEASE CONTACTS

INSERT NUMBER	NOTES	TOTAL	QTY	SIZE	Polarizaztions				Crimp Front Release		REMARKS
					W	X	Y	Z	STYLE P (Pin)	STYLE S (Socket)	
28-84	#	9	9	8	–	–	–	–	Note 1		
28-124	#	16	12 4	16 8	80	110	250	280	Note 1		
32-1	†★●	5	3 2	12 1/0	80	110	250	280	M39029/44-290 M39029/44-293	M39029/45-297 M39029/45-300	
32A1	#	1	1	4/0	–	–	–	–	Note 1		
32-2	†●	5	2 3	16 4	70	145	215	290	M39029/44-288 M39029/44-292	M39029/45-295 M39029/45-299	
32-3	†★●	9	4 2 2 1	16 12 4 1/0	80	110	250	280	M39029/44-288 M39029/44-290 M39029/44-292 M39029/44-293	M39029/45-295 M39029/45-297 M39029/45-299 M39029/45-300	
32A3	#	3	3	4	22	44	75	–	Note 1		
32-4	‡●	14	12 2	16 12	80	110	250	280	M39029/44-288 M39029/44-290	M39029/45-295 M39029/45-297	
32-5	‡●	2	2	1/0	35	110	250	325	M39029/44-293	M39029/45-300	
32-6	†★●	23	16 2 3 2	16 12 8 4	80	110	250	280	M39029/44-288 M39029/44-290 M39029/44-291 M39029/44-292	M39029/45-295 M39029/45-297 M39029/45-298 M39029/45-299	
32-7	†★●	35	28 7	16 12	80	125	235	280	M39029/44-288 M39029/44-290	M39029/45-295 M39029/45-297	
32-8	‡●	30	24 6	16 12	80	125	235	280	M39029/44-288 M39029/44-290	M39029/45-295 M39029/45-297	
32-9	†●	14	12 2	16 4	80	110	250	280	M39029/44-288 M39029/44-292	M39029/45-295 M39029/45-299	
32-10	‡●	7	3 2 2	16 8 4	80	110	250	280	M39029/44-288 M39029/44-291 M39029/44-292	M39029/45-295 M39029/45-298 M39029/45-299	
32-12	‡●	15	10 5	16 12	80	110	250	280	M39029/44-288 M39029/44-290	M39029/45-295 M39029/45-297	
32-13	†●	23	18 5	16 12	80	110	250	280	M39029/44-288 M39029/44-290	M39029/45-295 M39029/45-297	
32-013	#●	13	13	12	65	130	230	295	Note 1 – Use 32A13		
32A13	#●	13	13	12	65	130	230	295	Note 1		
32-14	‡●	7	5 2	12 4	35	110	250	325	M39029/44-290 M39029/44-293	M39029/45-297 M39029/45-300	
32-15	†●	8	6 2	12 1/0	35	110	250	280	M39029/44-290 M39029/44-293	M39029/45-297 M39029/45-300	
32-17	†●	4	4	4	45	110	250	–	M39029/44-292	M39029/45-299	
32S19		19	19	12	–	–	–	–	Note 1		
32-22	†★●	54	54	16	80	110	250	280	M39029/44-288	M39029/45-295	
32B22	#	22	20 2	16 1/0	35	110	250	325	Note 1		
32A25	#	25	25	12	60	120	–	–	Note 1		
32A27	#	27	17 10	16 12	30	115	285	335	Note 1		
32A29	#	23	16 2 3 4	16 12 8 4	–	–	–	–	Note 1 – Rotation of 32-6		
32A30	#	30	20 10	16 12	–	–	–	–	Note 1		
32-31	#	31	31	16	80	125	215	280	Note 1		
32A40	#	40	40	16	35	130	–	–	Note 1		
32A48	#	48	48	16	80	–	–	–	Note 1		
32-52	#	8	6 2	12 1/0	–	–	–	–	Note 1 – 90 Deg Rotation of 32-15		

† MIL-STD-1651
‡ MIL-STD-1651 Inactive for new design
Note 1: Insert arrangement not listed in AS95234.
Available with solder contacts or removeable crimp contacts (rubber retention).

★ VG95234
● AS95234
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AS95234 INSERT ARRANGEMENTS BY SHELL SIZE

SOLDER OR CRIMP FRONT RELEASE CONTACTS

INSERT NUMBER	NOTES	TOTAL	QTY	SIZE	Polarizaztions				Crimp Front Release		REMARKS
					W	X	Y	Z	STYLE P (Pin)	STYLE S (Socket)	
32-53	#	42	37 5	16 12	–	–	–	–	Note 1		
32A55	#	55	55	16	80	110	250	280	Note 1		
32-59	#	42	40 2	16 8	36	108	252	324	Note 1		
32-63	†●	5	5	4	–	–	–	–	M39029/44-292	M39029/45-299	
32-64	#	54	54	16	–	–	–	–	Note 1		
32-68	#	16	12 4	16 4	65	135	225	275	Note 1		
32A69	#	61	41 20	18 16	–	110	250	–	Note 1		
32-73	†●	46	46	16	36	–	–	–	M39029/44-288	M39029/45-295	
32-76	#	19	19	12	80	110	250	280	Note 1		
32-79	#	5	1 4	8 4	–	–	–	315	Note 1		
32-88	#	54	54	16	80	110	250	280	Note 1		
32A401	#	40	40	16	–	–	–	–	Thermocouple version of 32A40		
36-1	‡●	22	18 4	16 12	80	110	250	280	M39029/44-288 M39029/44-290	M39029/45-295 M39029/45-297	
36-01	#	1	1	4/0	–	–	–	–	Note 1 – Use 36A1		
36A1	#	1	1	4/0	–	–	–	–	Note 1		
36-2	‡	5	2 3	12 1/0	–	–	–	–	M39029/44-290 M39029/44-293	M39029/45-297 M39029/45-300	
36-3	†★●	6	3 3	12 1/0	70	145	215	290	M39029/44-290 M39029/44-293	M39029/45-297 M39029/45-300	
36-4	‡●	3	3	1/0	70	145	215	290	M39029/44-293	M39029/45-300	
36-5	†★●	4	4	1/0	–	120	240	–	M39029/44-293	M39029/45-300	
36-6	†★●	6	4 2	4 1/0	35	110	250	325	M39029/44-292 M39029/44-293	M39029/45-299 M39029/45-300	
36-7	†●	47	40 7	16 12	80	110	250	280	M39029/44-288 M39029/44-290	M39029/45-295 M39029/45-297	
36-8	†●	47	46 1	16 12	80	110	250	280	M39029/44-288 M39029/44-290	M39029/45-295 M39029/45-297	
36-9	†●	31	14 14 2 1	16 12 8 4	80	125	235	280	M39029/44-288 M39029/44-290 M39029/44-291 M39029/44-292	M39029/45-295 M39029/45-297 M39029/45-298 M39029/45-299	
36-10	†★●	48	48	16	80	125	235	280	M39029/44-288	M39029/45-295	
36-13	‡●	17	15 2	16 12	80	110	250	280	M39029/44-288 M39029/44-290	M39029/45-295 M39029/45-297	
36-14	‡●	16	6 5 5	16 12 8	90	180	270	–	M39029/44-288 M39029/44-290 M39029/44-291	M39029/45-295 M39029/45-297 M39029/45-298	
36-15	†●	35	35	16	60	125	245	305	M39029/44-288	M39029/45-295	
36-19	‡●	17	10 5 1 1	16 12 4 1/0	80	110	250	280	M39029/44-288 M39029/44-290 M39029/44-292 M39029/44-293	M39029/45-295 M39029/45-297 M39029/45-299 M39029/45-300	
36-20	‡	34	30 2 2	16 12 8	–	–	–	–	M39029/44-288 M39029/44-290 M39029/44-291	M39029/45-295 M39029/45-297 M39029/45-298	
36-22	#	22	22	12	80	110	250	280	Note 1		
36A22	#	22	22	12	–	–	–	–	Note 1		
36-35	#	36	32 4	16 8	–	–	–	–	Note 1		
36-51	#	4	2 2	4 1/0	–	–	–	–	Note 1		

† MIL-STD-1651
‡ MIL-STD-1651 Inactive for new design
Note 1: Insert arrangement not listed in AS95234.
Available with solder contacts or removeable crimp contacts (rubber retention).

★ VG95234
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AS95234 INSERT ARRANGEMENTS BY SHELL SIZE

SOLDER OR CRIMP FRONT RELEASE CONTACTS

INSERT NUMBER	NOTES	TOTAL	QTY	SIZE	Polarizaztions				Crimp Front Release		REMARKS
					W	X	Y	Z	STYLE P (Pin)	STYLE S (Socket)	
36A51	#	6	1 2 3	12 4 1/0	45	135	225	315	Note 1		
36-52	†●	52	52	16	72	144	216	288	M39029/44-288	M39029/45-295	
36-54	#	39	31 8	16 8	–	–	–	–	Note 1		
36-66	†●	56	52 4	16 12	110	250	260	280	M39029/44-288 M39029/44-290	M39029/45-295 M39029/45-297	
36-71	#	53	50 3	16 12	–	–	–	–	Note 1		
36A72	#	72	52 16 4	18 16 12	–	110	–	–	Note 1		
36-74	#	44	43 1	16 8	–	–	–	–	Note 1		
36B78	#	14	2 12	16 8	–	–	–	–	Note 1		
36D78	#	14	4 10	16 8	–	–	–	–	Note 1		
40-1	†	30	24 6	16 12	65	130	235	300	Note 1		
40-2	†	23	23	16	80	110	250	280	Note 1		
40S2	#	2	2	4/0	–	–	–	–	Note 1		
40-3	†	23	18 4 1	16 12 4	80	110	250	280	Note 1		
40A3	#	5	2 3	12 1/0	70	145	215	290	Note 1		
40-4	†	23	16 2 3 2	16 12 8 4	80	110	250	280	Note 1		
40A4	#	6	2 4	12 1/0	50	120	240	325	Note 1		
40B4	#	4	4	1/0	45	110	–	–	Note 1		
40-5	†	15	6 4 2 3	12 8 4 1/0	80	110	250	280	Note 1		
40A5	#	5	1 1 3	12 4 1/0	33	–	–	270	Note 1		
40B5		5	5	1/0	–	–	–	–	Note 1		
40-6	†	26	24 1 1	16 12 1/0	80	110	250	280	Note 1		
40A6	#	6	6	12	35	110	250	280	Note 1		
40B5	#	5	5	1/0	–	–	–	–	Note 1		
40-7	†	22	18 2 2	16 12 1/0	80	110	250	280	Note 1		
40A8	#	8	4 4	16 4	35	110	250	325	Note 1		
40-9	†	47	24 22 1	16 12 8	65	125	225	310	Note 1		
40-10	†	29	16 9 4	16 8 4	65	125	225	310	Note 1		

† MIL-STD-1651
‡ MIL-STD-1651 Inactive for new design
Note 1: Insert arrangement not listed in AS95234.
Available with solder contacts or removeable crimp contacts (rubber retention).

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AS95234 INSERT ARRANGEMENTS BY SHELL SIZE

SOLDER OR CRIMP FRONT RELEASE CONTACTS

INSERT NUMBER	NOTES	TOTAL	QTY	SIZE	Polarizaztions				Crimp Front Release		REMARKS
					W	X	Y	Z	STYLE P (Pin)	STYLE S (Socket)	
40A10	#	8	4 4	16 4	80	135	195	–	Note 1		
40-11	†	25	18 4 1 1 1	16 12 8 4 1/0	80	110	250	280	Note 1		
40-12	‡	29	22 6	16 12	–	–	–	–	Note 1		
40-14	‡	32	21 10 1	16 12 1/0	–	–	–	–	Note 1		
40B19	#	19	19	8	35	105	255	325	Note 1		
40A24	#	24	16 8	12 8	80	120	245	300	Note 1		
40-26	#	26	19 7	12 8	80	110	250	280	Note 1		
40A27	#	27	25 2	12 4	45	110	250	315	Note 1		
40S27	#	60	60	16	–	–	–	–	Note 1		
40-31	#	31	31	12	80	110	250	280	Note 1		
40-35	#	35	35	12	70	130	230	290	Note 1		
40B37	#	37	37	12	30	135	–	–	Note 1		
40A38	#	38	38	12	37	74	285	322	Note 1		
40-47	#	47	24 22 1	16 12 8	65	125	225	310	Note 1		
40A51	#	31	16 15	16 8	–	–	–	–	Note 1		
40-53	#	60	60	16	80	110	250	280	Note 1		Same as 40A60
40-56	†	85	85	16	72	144	216	288	Note 1		
40A56	#	85	85	16	72	144	216	288	Note 1		
40N56	#	85	85	16	72	144	216	288	Note 1		
40-57	#	4	4	1/0	–	–	–	–	Note 1		
40-60	#	6	6	1/0	80	110	250	280	Note 1		
40-62	†	60	60	16	30	130	220	290	Note 1		
40A62	#	62	60 2	16 8	80	130	230	280	Note 1		
40-63	#	61	61	16	80	–	–	280	Note 1		
40A65	#	65	65	16	70	145	215	285	Note 1		
40-67	#	11	1 10	16 4	–	–	–	–	Note 1		
40-68	#	21	21	8	–	–	–	–	Note 1		
40-70	#	61	61	16	–	–	–	–	Note 1		
40A75	#	75	73 2	16 8	–	–	–	–	Note 1		
40-80	#	11	1 10	16 4	–	–	–	–	Note 1		
40-82	#	62	62	16	–	–	–	–	Note 1		
40-87	#	7	7	4	–	–	–	–	Note 1		
40-150	#	150	150	18	–	–	–	–	Note 1		
40A150	#	150	150	18	–	–	–	–	Note 1		

† MIL-STD-1651
‡ MIL-STD-1651 Inactive for new design
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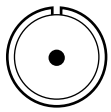
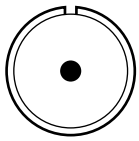
INSERT ARRANGEMENTS BY NUMBER OF CONTACTS

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

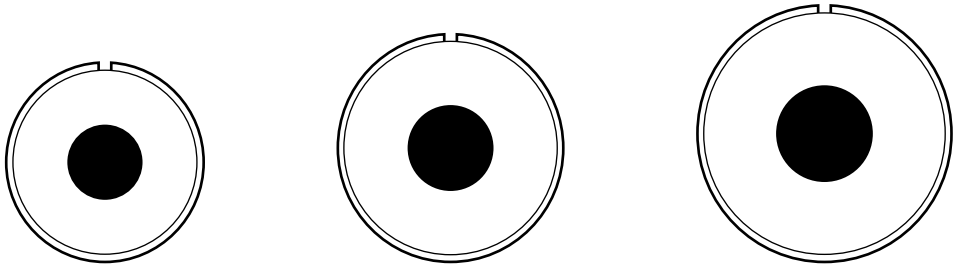
1 CONTACT



	14S-4‡	16-2†	16S-3†	16-12†	18-6†
CONTACTS	1-#16	1-#12	1-#16	1-#4	1-#4
RATING	D For new MIL equip. design, use 12S-4	E	B	A	D

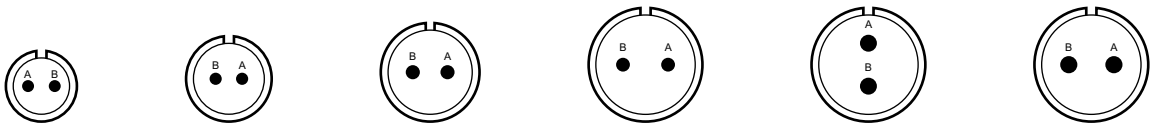


	18-7†	18-16	20-2†	22-7†	24-A1
CONTACTS	1-#8	1-#12	1-#0	1-#0	1-#0
RATING	B	HIGH VOLTAGE C	D	E	B



	28B1	32A1	36-01 36A1
CONTACTS	1-#0	1-4/0	1-#4/0
RATING	E	A	C

2 CONTACTS



	10SL-4‡	12S-3†	14S-9‡	16S-4†	16-11† 16A11★	16-13†
CONTACTS	2-#16	2-#16	2-#16	2-#16	2-#12	2-#12 Thermocouple
RATING	A	A	A For new MIL equip. design, use 12S-3	D	A	A

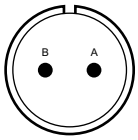
† = Military designation per MIL-STD-1651. ‡ = Military designation inactive for new design. ★ = VG95234

AS95234

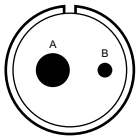
INSERT ARRANGEMENTS BY NUMBER OF CONTACTS

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

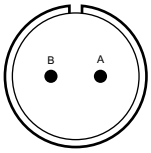
2 CONTACTS (CONT.)



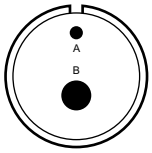
	18-3‡
CONTACTS	2-#12
RATING	D For new MIL equip. design, use 18-5



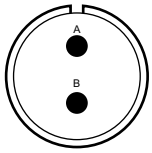
	18-14†
CONTACTS	1-#4 (A) 1-#16 (B)
RATING	A



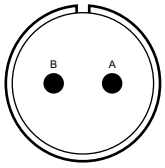
	20-5‡
CONTACTS	2-#16
RATING	E



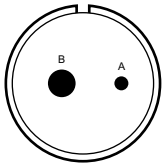
	20-12‡
CONTACTS	1-#16 (A) 1-#4 (B)
RATING	A For new MIL equip. design, use 18-14



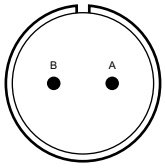
	20-23‡
CONTACTS	2-#8
RATING	A For new MIL equip. design, use 20-22



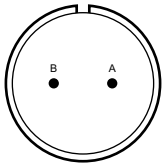
	22-1‡
CONTACTS	2-#8
RATING	D For new MIL equip. design, use 22-2



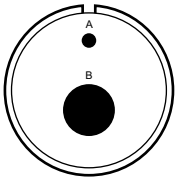
	22-3‡
CONTACTS	1-#16 (A) 1-#4 (B)
RATING	D



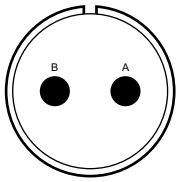
	22-8‡
CONTACTS	2-#12
RATING	E For new MIL equip. design, use 22-9



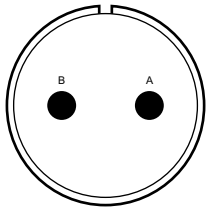
	22-11†
CONTACTS	2-#16
RATING	B



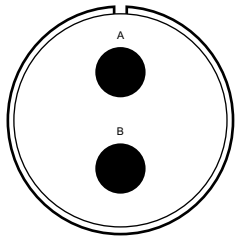
	24-1‡
CONTACTS	1-#12 (A) 1-#0 (B)
RATING	D



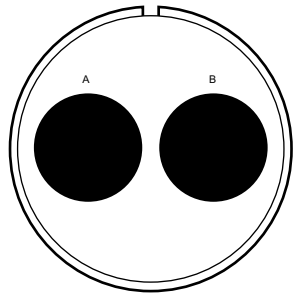
	24-9‡
CONTACTS	2-#4
RATING	A For new MIL equip. design, use 24-12



	28-7‡
CONTACTS	2-#4
RATING	D For new MIL equip. design, use 28-5



	32-5‡
CONTACTS	2-#0
RATING	D For new MIL equip. design, use 32-1



	40S2
CONTACTS	2-#4/0
RATING	A

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

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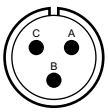
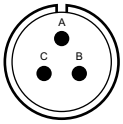
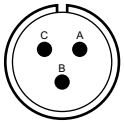
INSERT ARRANGEMENTS BY NUMBER OF CONTACTS

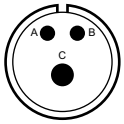
FACE VIEW OF PIN INSERTS SHOWN APPROXIMATELY 3/4 ACTUAL SIZE

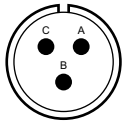
3 CONTACTS

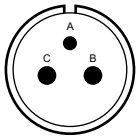




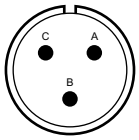


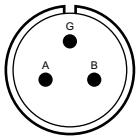


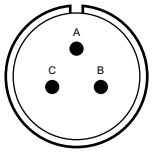


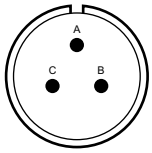


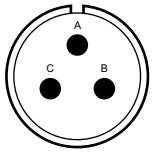
	10SL-3†	14S-1‡ 14S-7†	16S-5‡	16S-6‡	16-7†	16-10†	18-5†
CONTACTS	3-#16	3-#16	3-#16	3-#16	2-#16 (A, B) 1-#8 (C)	3-#12	1-#16 (A) 2-#12 (B, C)
RATING	**A**	**A**	**A** For new MIL equip. design, use 14S-7	**A** For new MIL equip. design, use 14S-7	**A**	**A**	**D**

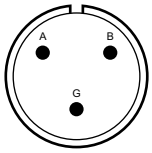




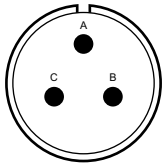


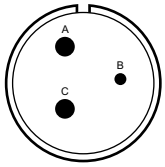


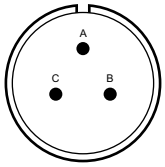


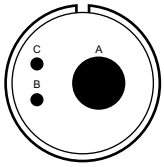


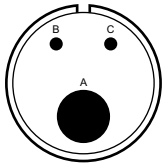
	18-21‡	18-22‡	20-3‡	20-6‡	20-19‡	20-26‡
CONTACTS	3-#12	3-#16	3-#12	3-#16	3-#8	3-#12
RATING	**A**	**D** For new MIL equip. design, use 18-4	**D** For new MIL equip. design, use 20-4	**D** For new MIL equip. design, use 18-4	**A** For new MIL equip. design, use 20-22	**A**

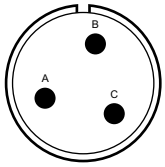




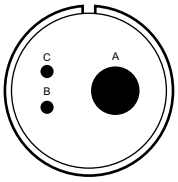


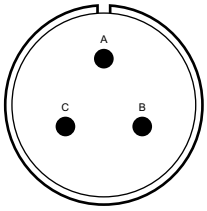


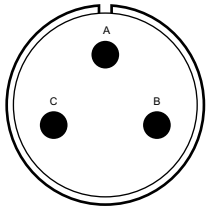


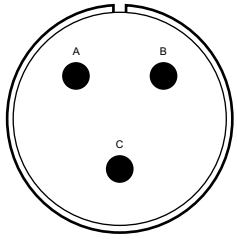


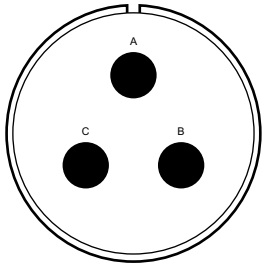
	22-2†	22-6‡	22-9†	22-21†	22-25‡	22-35‡
CONTACTS	3-#8	1-#16 (B) 2-#8 (A, C)	3-#12	2-#16 (B, C) 1-#0 (A)	2-#16 (B, C) 1-#0 (A)	3-#8
RATING	**D**	**D** For new MIL equip. design, use 22-12	**E**	**A**	**A**	**D**











	24-14‡	28-3†	28-6‡	32A3	36-4‡
CONTACTS	2-#12 (B, C) 1-#0 (A)	3-#8	3-#4	3-#4	3-#0
RATING	**A**	**E**	**D** For new MIL equip. design, use 28-22	**E**	**D** (A); **A** (balance) For new MIL equip. design, use 36-3

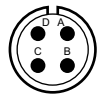
† = Military designation per MIL-STD-1651. ‡ = Military designation inactive for new design. ★ = VG95234

AS95234

INSERT ARRANGEMENTS BY NUMBER OF CONTACTS

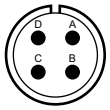
FACE VIEW OF PIN INSERTS SHOWN APPROXIMATELY 3/4 ACTUAL SIZE

4 CONTACTS



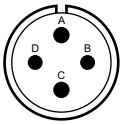
12SA10
12S-2002-10

CONTACTS	4-#16
RATING	**A**



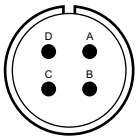
14S-2†

CONTACTS	4-#16
RATING	**INST.**



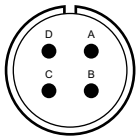
16-9†

CONTACTS	2-#16 (B, D) 2-#12 (A, C)
RATING	**A**



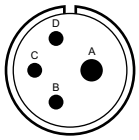
18-4†

CONTACTS	4-#16
RATING	**D**



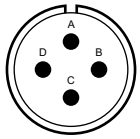
18-10‡

CONTACTS	4-#12
RATING	**A** For new MIL equip. design, use 18-11



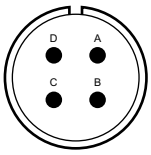
18-13†

CONTACTS	3-#12 (B, C, D) 1-#8 (A)
RATING	**A**



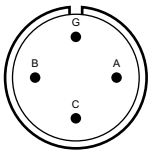
18-15†

CONTACTS	4-#12 Thermocouple
RATING	**A**



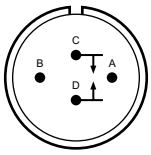
20-4†

CONTACTS	4-#12
RATING	**D**



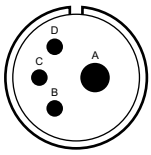
20-10†

CONTACTS	4-#16
RATING	**A**



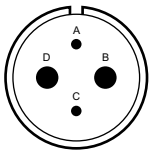
20-13†

CONTACTS	4-#16
RATING	**A**



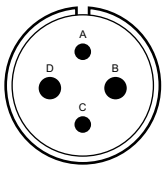
20-20‡

CONTACTS	3-#12 (B, C, D) 1-#4 (A)
RATING	**A**



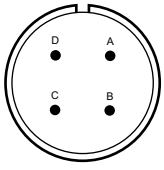
20-24‡

CONTACTS	2-#16 (A, C) 2-#8 (B, D)
RATING	**A**



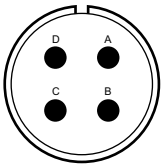
22-4‡

CONTACTS	2-#12 (A, C) 2-#8 (B, D)
RATING	**A** For new MIL equip. design, use 20-14



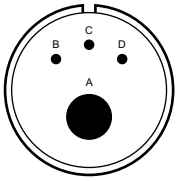
22-10†

CONTACTS	4-#16
RATING	**E**



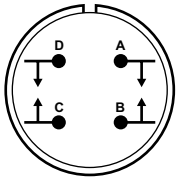
22-22†
22B22★

CONTACTS	4-#8
RATING	**A**



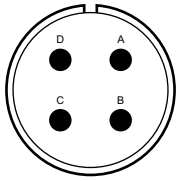
24-4†

CONTACTS	3-#16 (B, C, D) 1-#0 (A)
RATING	**A**



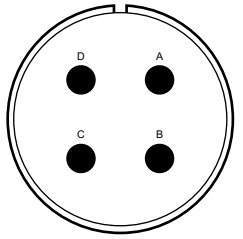
24-18

CONTACTS	4-#16
RATING	



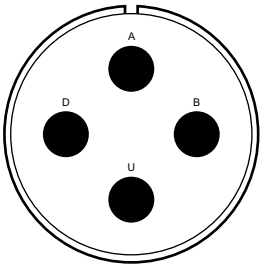
24-22†

CONTACTS	4-#8
RATING	**D**



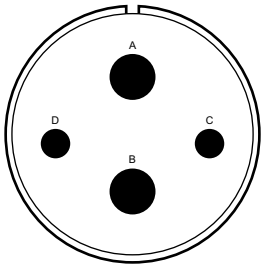
32-17†

CONTACTS	4-#4
RATING	**D**



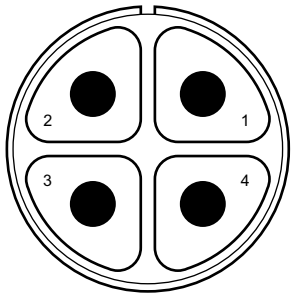
36-5†

CONTACTS	4-#0
RATING	**A**



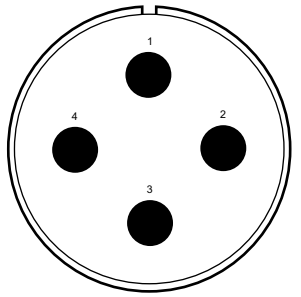
36-51

CONTACTS	2-#4 (C, D) 2-#0 (A, B)
RATING	**D**



40B4

CONTACTS	4-#0
RATING	**E**



40-57

CONTACTS	4-#0
RATING	**E**

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

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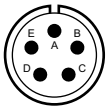
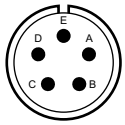
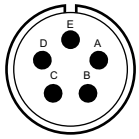
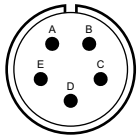
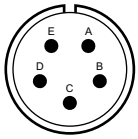
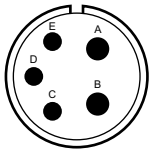
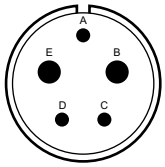
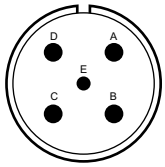
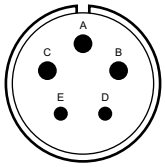
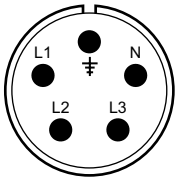
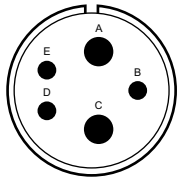
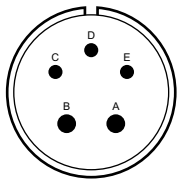
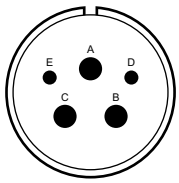
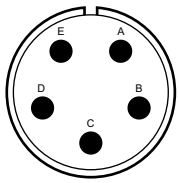
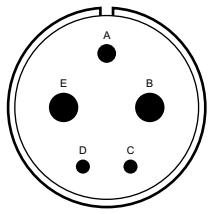
INSERT ARRANGEMENTS BY NUMBER OF CONTACTS

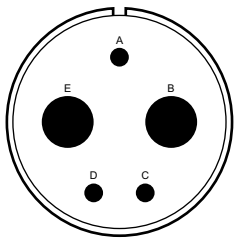
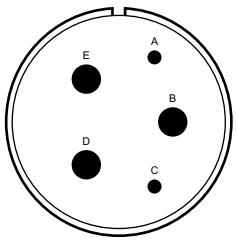
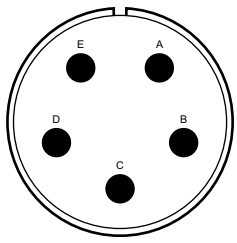
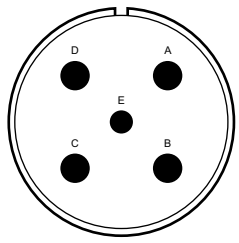
FACE VIEW OF PIN INSERTS SHOWN APPROXIMATELY 3/4 ACTUAL SIZE

5 CONTACTS

	14S-5†	16S-8‡	18-11†	18-20‡	18-29‡	20-14†
						
CONTACTS	5-#16	5-#16	5-#12	5-#16	5-#16	3-#12 (C, D, E) 2-#8 (A, B)
RATING	**INST.**	**A**	**A**	**A** For new MIL equip. design, use 16S-8	**A** For new MIL equip. design, use 16S-8	**A**

	22-12†	22-13‡	22-34‡	24-G5	24-12†
					
CONTACTS	3-#16 (A, C, D) 2-#8 (B, E)	1-#16 (E) 4-#12 (A-D)	2-#16 (D, E) 3-#12 (A, B, C)	5-#8 Top pin is grounded	3-#12 (B, D, E) 2-#4 (A, C)
RATING	**D**	**A** (A, D); **D** (E) For new MIL equip. design, use 22-15	**D**	**A**	**A**

	24-17‡	24-23‡	24-79	28-5†
				
CONTACTS	3-#16 (C, D, E) 2-#12 (A, B)	2-#16 (D, E) 3-#8 (A, B, C)	5-#8	2-#16 (C, D) 1-#12 (A) 2-#4 (B, E)
RATING	**D** For new MIL equip. design, use 22-5	**D**	**A**	**D**

	32-1†	32-2†	32-63†	32-79
				
CONTACTS	3-#12 (A, C, D) 2-#1/0 (B, E)	2-#16 (A, C) 3-#4 (B, D, E)	5-#4	1-#8 (E) 4-#4 (A-D)
RATING	**E** (A); **D** (balance)	**E**	**D**	**D**

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

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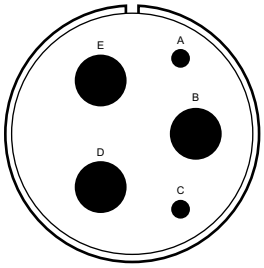
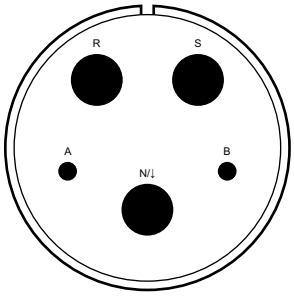
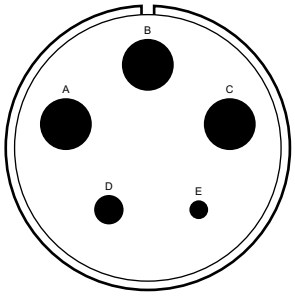
INSERT ARRANGEMENTS BY NUMBER OF CONTACTS

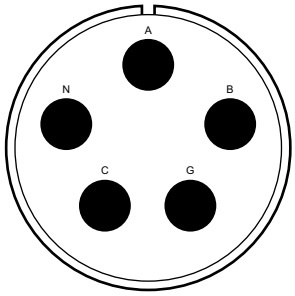
FACE VIEW OF PIN INSERTS SHOWN APPROXIMATELY 3/4 ACTUAL SIZE

5 CONTACTS (CONT.)



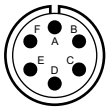


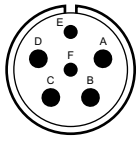


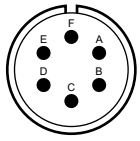


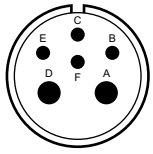
	36-2‡	40A3	40A5	40B5
CONTACTS	2-#12 (A, C) 3-#0 (B, D, E)	2-#12 (A,D) 3-#0 (N,R,S)	1-#12 (E) 1-#4 (D) 3-#0 (A, B, C)	5-#0
RATING	**D** For new MIL equip. design, use 36-3	**D**	**D**	**D**

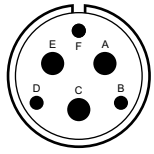
6 CONTACTS

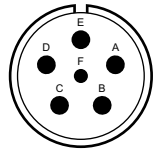




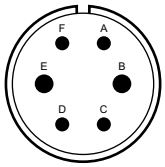


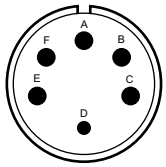


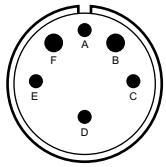


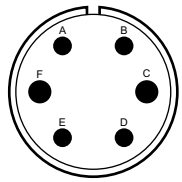


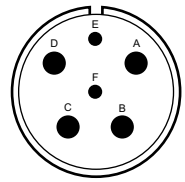
	14S-6†	18A6 18-06	18-12†	20-8†	20-22†	20-17†
CONTACTS	6-#16	2-#16 (E, F) 4-#12 (A-D)	6-#16	4-#16 (B, C, E, F) 2-#8 (A, D)	3-#16 (B, D, F) 3-#8 (A, C, E)	1-#16 (F) 5-#12 (A-E)
RATING	**INST.**	**A**	**A** For new MIL equip. design, use 16S-1	**INST.**	**A**	**A**











	22-5†	22-15†	22-24†	24A-6	24-06 24C06
CONTACTS	4-#16 (A,C,D,F) 2-#12 (B,E)	1-#16 (D) 5-#12 (A, B, C, E, F)	4-#16 (A, C, D, E) 2-#12 (B, F)	2-#8 (F, C) 4-#12 (A, B, E, D)	2-#16 (E, F) 4-#8 (A, B, C, D)
RATING	**A** (A, B, C, E, F)	**A** (A, B, C, E, F) **E** (D)	**A** (A, B, F); **D** (C, D, E) For new MIL equip. design, use 22-5	**D**	**D**

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

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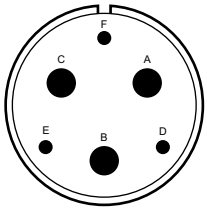
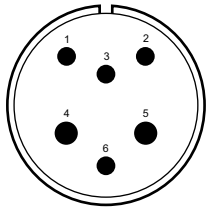
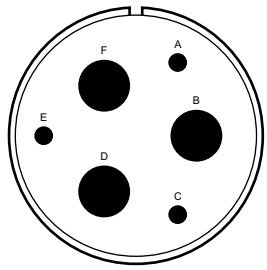
INSERT ARRANGEMENTS BY NUMBER OF CONTACTS

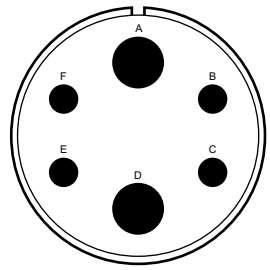
FACE VIEW OF PIN INSERTS SHOWN APPROXIMATELY 3/4 ACTUAL SIZE

6 CONTACTS (CONT.)

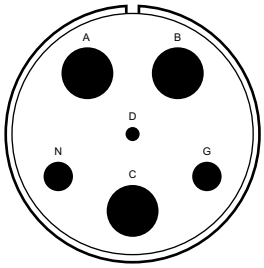


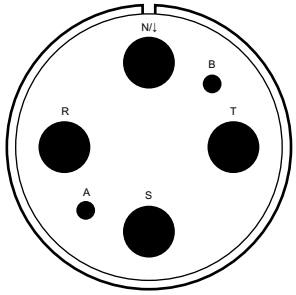


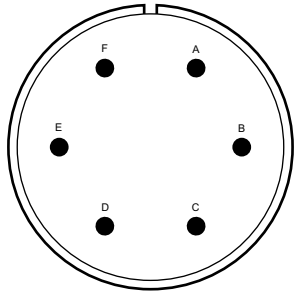


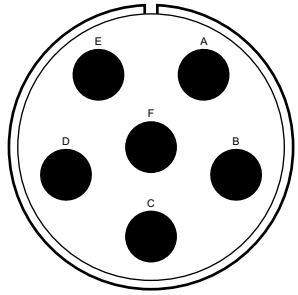


	28-22†	28-82‡	36-3†	36-6†
CONTACTS	3-#16 (D, E, F) 3-#4 (A, B, C)	4-#12 (1, 2, 3, 6) 2-#8 (4, 5)	3-#12 (A, C, E) 3-#0 (B, D, F)	4-#4 (B, C, E, F) 2-#0 (A, D)
RATING	**D**	**D**	**D**	**A**



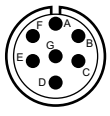


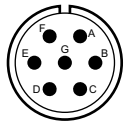


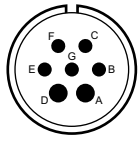


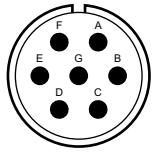
	36A51	40A4	40A6	40-60
CONTACTS	1-#16 (D) 2-#4 (G, N) 3-#0 (A, B, C)	2-#12 (A, B) 4-#0 (N, R, S, T)	6-#12	6-#0
RATING	**D**	**A**	**B**	**A**

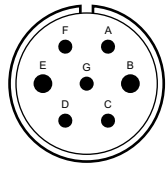
7 CONTACTS

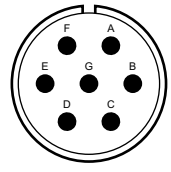












	14SA7 14S07	16S-1†	18-9‡	20-15‡	22-26‡	22-28‡
CONTACTS	7-#16	7-#16	5-#16 (B, C, E, F, G) 2-#12 (A, D)	7-#12	5-#16 (A, C, D, F, G) 2-#12 (B, E)	7-#12
RATING	**INST.**	**A**	**INST.**	**A**		**A** For new MIL equip. design, use 22-33

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

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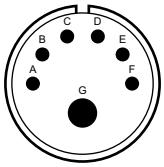
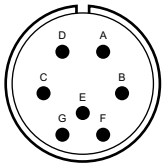
INSERT ARRANGEMENTS BY NUMBER OF CONTACTS

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

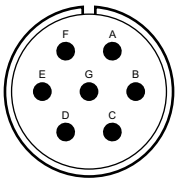
7 CONTACTS (CONT.)



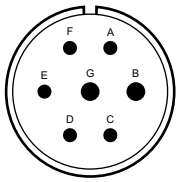
22-29‡



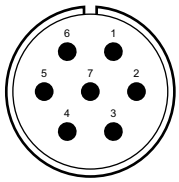
22-33‡



24-2†

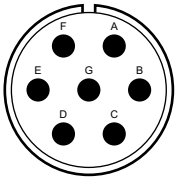


24-3‡

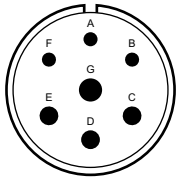


24A7
24-07

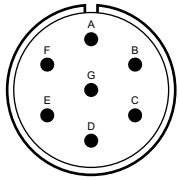
	22-29‡	22-33‡	24-2†	24-3‡	24A7 24-07
CONTACTS	6-#16 (A, B, C, D, E, F) 1-#4 (G)	7-#16	7-#12	5-#16 (A, C-F) 2-#12 (B, G)	7-#12
RATING	**A**	**A** (E-G); **D** (A-D)	**D**	**D** For new MIL equip. design, use 24-20	**D**



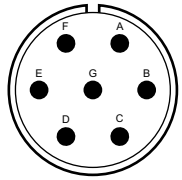
24-10†



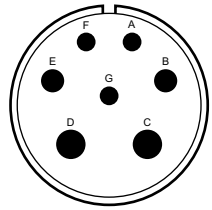
24-16†



24-27†

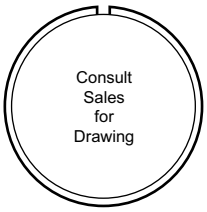


24-66

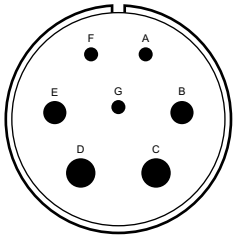


28-10†

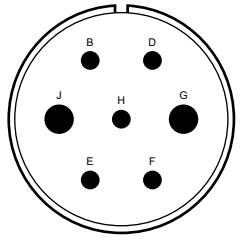
	24-10†	24-16†	24-27†	24-66	28-10†
CONTACTS	7-#8	3-#16 (A, B, F) 3-#12 (C, D, E) 1-#8 (G)	7-#16	7-#12	3-#12 (A, F, G) 2-#8 (B, E) 2-#4 (C, D)
RATING	**A**	**A** (C-E); **D** (A, B, F, G)	**E**	**A**	**D** (G); **A** (balance)



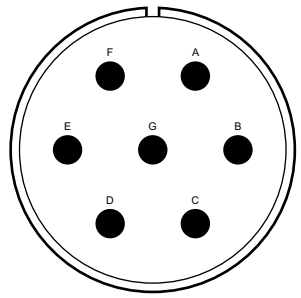
28-72



32-10‡



32-14



40-87

	28-72	32-10‡	32-14	40-87
CONTACTS		3-#16 (A, F, G) 2-#8 (B, E) 2-#4 (C, D)	5-#12 (B, D, E, F, H) 2-#4 (G, J)	7-#4
RATING	**I**	**A** (C, D); **B** (G) **D** (B, E); **E** (A, F)	**D**	**D**

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

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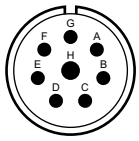
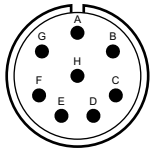
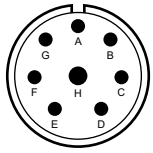
INSERT ARRANGEMENTS BY NUMBER OF CONTACTS

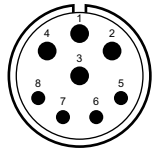
FACE VIEW OF PIN INSERTS SHOWN APPROXIMATELY 3/4 ACTUAL SIZE

8 CONTACTS

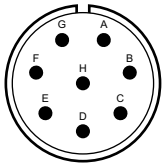


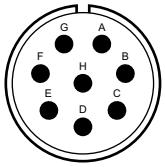


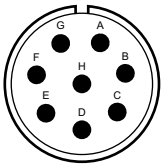


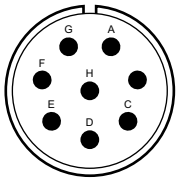


	18-8‡	20-7‡	20-9‡	20-B8
CONTACTS	7-#16 (A-G) 1-#12 (H)	8-#16	7-#16 (A-G) 1-#12 (H)	4-#16 (5-8) 4-#12 (1-4)
RATING	**A**	**A** (C-F) **D** (A, B, G, H)	**A** (A-G); **D** (H)	**A**

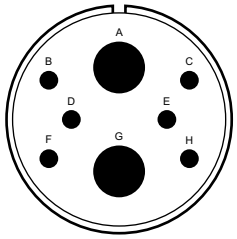


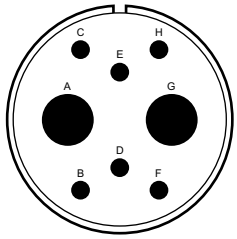


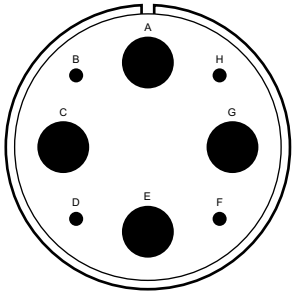


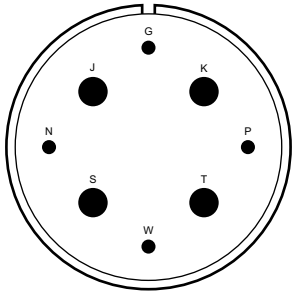


	22-18‡	22-23‡	22-36‡	24-6†
CONTACTS	8-#16	8-#12	8-#12 Thermocouple	8-#12
RATING	**A** (C-E) **D** (balance)	**D** (H); **A** (balance)	**A** (A-G); **D** (H)	**D** (A, G, H) **A** (balance)









	32-15†	32-52	40A8	40A10
CONTACTS	6-#12 (B, F, H) 2-#0 (A, G)	6-#12 (B, F, H) 2-#0 (A, G)	4-#16 (B,D,F,H) 4-#0 (A,C,E,G)	4-#16 (G, N, P, W) 4-#4 (J, K, S, T)
RATING	**D**	**D**	**D**	**D**

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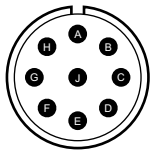
INSERT ARRANGEMENTS BY NUMBER OF CONTACTS

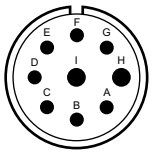
FACE VIEW OF PIN INSERTS SHOWN APPROXIMATELY 3/4 ACTUAL SIZE

9 CONTACTS



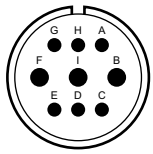
20A9

CONTACTS	9-#12
RATING	**D** (J) **A** (balance)



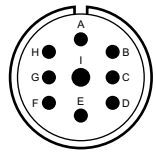
20-16†

CONTACTS	7-#16 (A-G) 2-#12 (H, I)
RATING	**A**



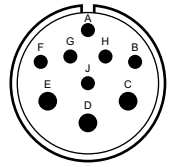
20-18†

CONTACTS	6-#16 (A, C, D, E, G, H) 3-#12 (B, F, I)
RATING	**A**



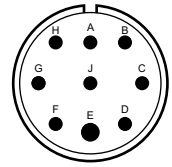
20-21†

CONTACTS	8-#16 (A-H) 1-#12 (I)
RATING	**A**



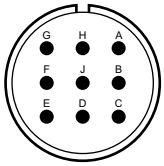
22-16†

CONTACTS	6-#16 (A, B, F-J) 3-#12 (C, D, E)
RATING	**A** For new MIL equip. design, use 20-18



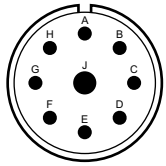
22-17†

CONTACTS	8-#16 (A-D, F-J) 1-#12 (E)
RATING	**D** (A); **A** (balance)



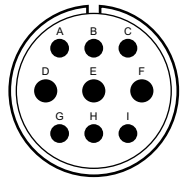
22-20‡

CONTACTS	9-#16
RATING	**A** For new MIL equip. design, use 20-33



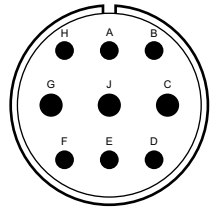
22-27†

CONTACTS	8-#16 (A-H) 1-#8 (J)
RATING	**D** (J); **A** (balance)



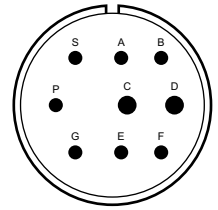
24-11†

CONTACTS	6-#12 (A-C, G-I) 3-#8 (D, E, F)
RATING	**A**



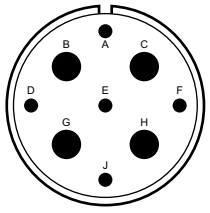
28-1†

CONTACTS	6-#12 (A, B, D, E, F, H) 3-#8 (C, J, G)
RATING	**D** (A, E, J) **A** (balance)



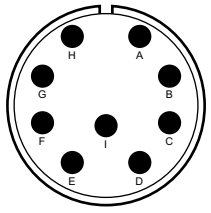
28-4†

CONTACTS	7-#16 (A, B, E, F, G, P, S) 2-#12 (C, D)
RATING	**E** (G, P, S) **D** (balance)



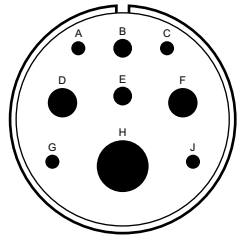
28A9
28-09

CONTACTS	5-#16 (A,D,E,F,J) 4-#4 (B,C,G,H)
RATING	**A**



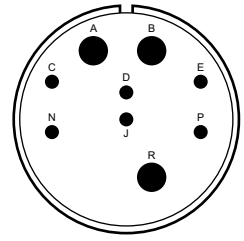
28-84

CONTACTS	9-#8
RATING	**A**



32-3†

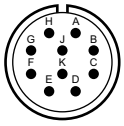
CONTACTS	4-#16 (A, C, G, J) 2#12 (B, E) 2-#4 (D, F), 1-#0 (H)
RATING	**D**



32-689

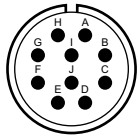
CONTACTS	6-#16 (C,D,E,J,N,P) 3-#4 (A,B,R)
RATING	**A**

10 CONTACTS



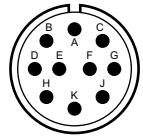
16A10

CONTACTS	10-#18
RATING	**A**



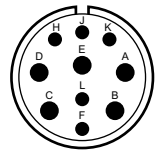
18-1†

CONTACTS	10-#16
RATING	**A** (B, C, F, G) **INST.** (balance)



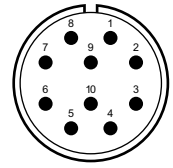
18-19‡

CONTACTS	10-#16
RATING	**A** For new MIL equip. design, use 18-1



20-58

CONTACTS	5-#16 (F-L) 5-#12 (A-E)
RATING	**A**



22A10

CONTACTS	10-#16
RATING	**A**

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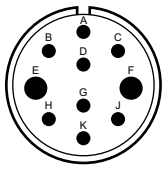
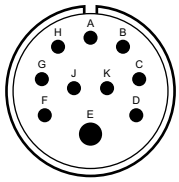
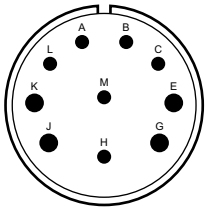
INSERT ARRANGEMENTS BY NUMBER OF CONTACTS

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

10 CONTACTS CONT.

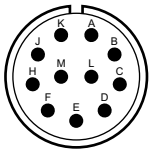


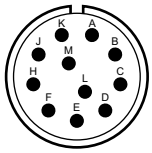


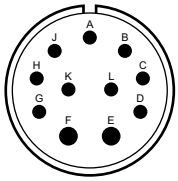


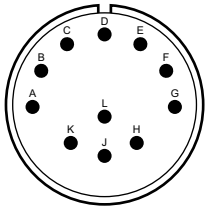
	22-82	24-21†	28-19 †
CONTACTS	8-#16 (A-D,G-K) 2-#8 (E,F)	9-#16 (A-D, F-K) 1-#8 (E)	6-#16 (A, B, C, H, L, M) 4-#12 (E, G, J, K)
RATING	**A**	**D**	**A** (C, E, G, J, K, L) **B** (H, M); **D** (A, B)

11 CONTACTS

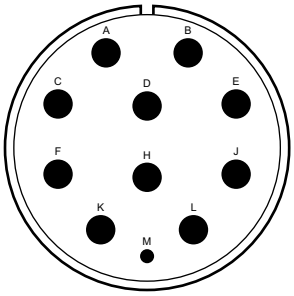


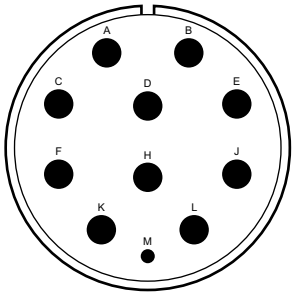




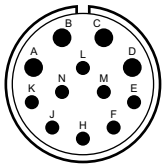


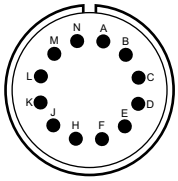
	20-31‡	20-33†	24-20†	28-14‡
CONTACTS	11-#16	11-#16	9-#16 (A-D, G-L) 2-#12 (E, F)	11-#16
RATING	**A**	**A**	**D** For new MIL equip. design, use 28-2	**D**





12 CONTACTS





	40-67	40-80	22-63	24-19‡
CONTACTS	1-#16 (M) 10-#4 (A-L)	1-#16 (M) 10-#4 (A-L)	8-#16 (E-L) 4-#12 (A-D)	12-#16
RATING	**A**	**A**	**A**	**A**

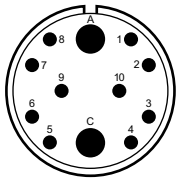
† = Military designation per MIL-STD-1651. ‡ = Military designation inactive for new design. ★ = VG95234

AS95234

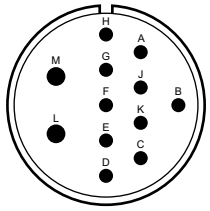
INSERT ARRANGEMENTS BY NUMBER OF CONTACTS

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

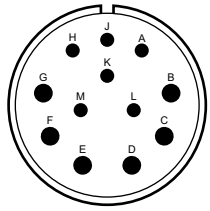
12 CONTACTS CONT.



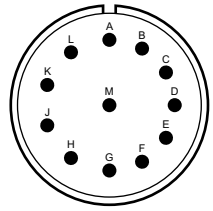
24S12



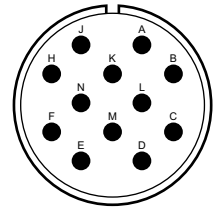
28-8†



28-9†



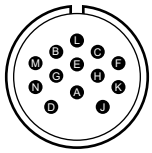
28-18†



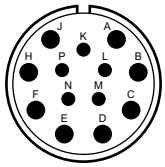
28-51

	24S12	28-8†	28-9†	28-18†	28-51
CONTACTS	10-#16 (1-10) 2-#4 (A,C)	10-#16 (A-K) 2-#12 (L, M)	6-#16 (A, H, M) 6-#12 (B-G)	12-#16	12-#12
RATING	**A**	**D** (B); **E** (L, M) **A** (balance)	**D**	**A** (A, B); **C** (M) **D** (G, L); **INST.** (C-F)	**A**

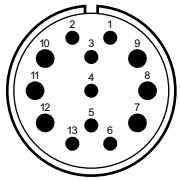
13 CONTACTS



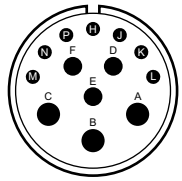
20-11†



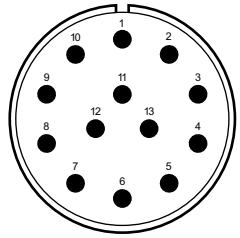
22-70



24A13
24-013



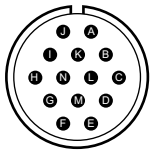
24-58



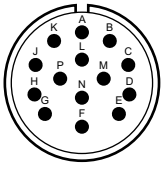
32A13
32-013

	20-11†	22-70	24A13 24-013	24-58	32A13 32-013
CONTACTS	13-#16	5-#16 (K-P) 8-#12 (A-J)	7-#16 (1-6, 13) 6-#12 (7-12)	7-#16 (H-P) 3-#12 (D, E, F); 3-#8 (A, B, C)	13-#12
RATING	**INST.**		**A**		**D**

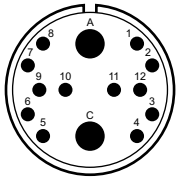
14 CONTACTS



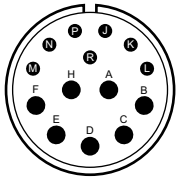
20-27†



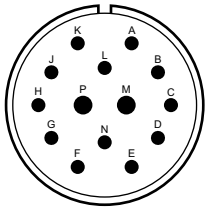
22-19†



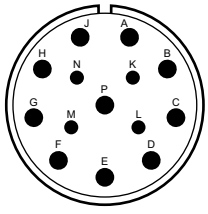
24S14



24-59



28-2†



28-20†

	20-27†	22-19†	24S14	24-59	28-2†	28-20†
CONTACTS	14-#16	14-#16	12-#16 (1-12) 2-#4 (A,C)	7-#16 (J-R) 7-#12 (A-H)	12-#16 (A, L, N) 2-#12 (M, P)	4-#16 (K-N) 10-#12 (A-J,P)
RATING	**A**	**A**	**A**	**A**	**D**	**A**

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

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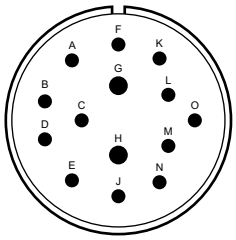
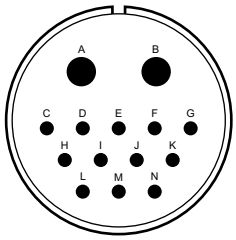
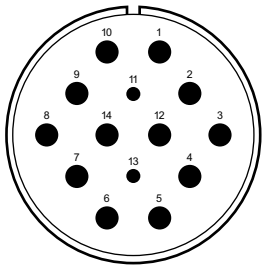
INSERT ARRANGEMENTS BY NUMBER OF CONTACTS

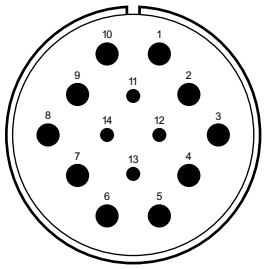
FACE VIEW OF PIN INSERTS SHOWN APPROXIMATELY 3/4 ACTUAL SIZE

14 CONTACTS CONT.



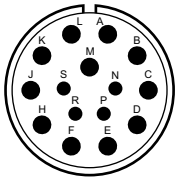


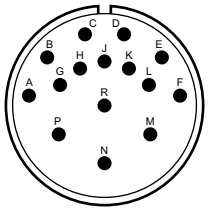


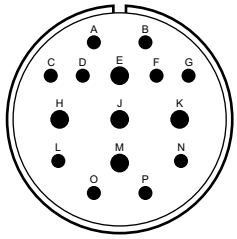


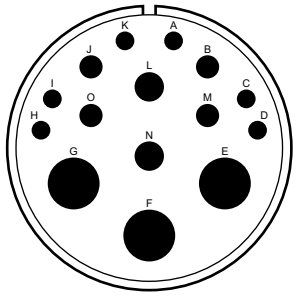
	32-4‡	32-9‡	36B78	36D78
CONTACTS	12-#16 (A-F, J-O) 2-#12 (G, H)	12-#16 (C-N) 2-#4 (A, B)	2-#16 (11, 13) 12-#8 (1-10,12,14,)	4-#16 (11-14) 10-#8 (1-10)
RATING	**A** (F, J, K, N,) **D** (balance)	**D** For new MIL equip. design, use 28-2	**D**	**D**

15 CONTACTS



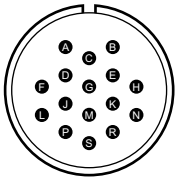


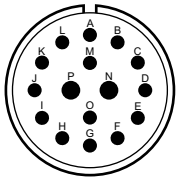


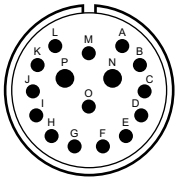


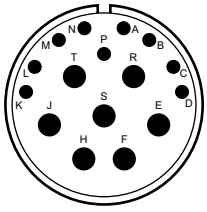
	24-65	28-17†	32-12‡	40-5†
CONTACTS	4-#16 (N-S) 11-#12 (A-M)	15-#16	10-#16 (A-D, F, G, L, N-P) 5-#12 (E, H, J, K, M)	6-#12 (C, D, H, I, K) 4-#8 (B, J, M, O) 2-#4(L, N), 3-#0 (E, F, G)
RATING	**A**	**A** (A-L); **B** (R) **D** (M-P)	**A** (C-G); **D** (balance) For new MIL equip. design, use 32-13	**D**

16 CONTACTS









	24-5‡	24-7†	24A40	28-79
CONTACTS	16-#16	14-#16 (A-M,O) 2-#12 (N,P)	14-#16 (A-M, O) 2-#12 (N-P)	9-#16 (A-D, K-P) 7-#8 (J, R, S, T)
RATING	**A** For new MIL equip. design, use 22-14	**A**	**A**	**A**

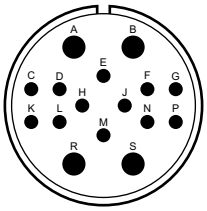
† = Military designation per MIL-STD-1651. ‡ = Military designation inactive for new design. ★ = VG95234

AS95234

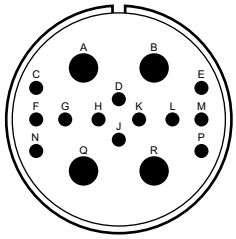
INSERT ARRANGEMENTS BY NUMBER OF CONTACTS

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

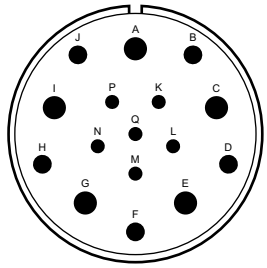
16 CONTACTS CONT.



28-124



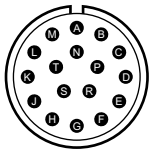
32-68



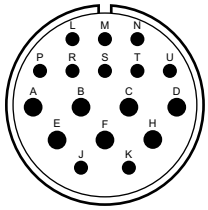
36-14 ‡

	28-124	32-68	36-14 ‡
CONTACTS	12-#16 (C-P) 4-#8, (A,B,R,S)	12-#16 (C-P) 4-#4, (A,B,Q,R)	6-#16 (K-Q) 5-#12 (B, D, F, H, J) 5-#8 (A, C, E, G, I)
RATING	**A**	**A**	**D**

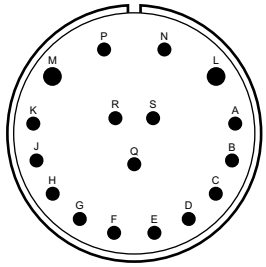
17 CONTACTS



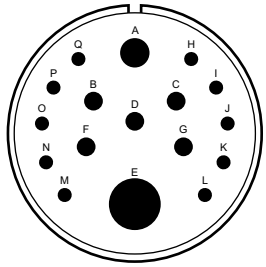
20-29‡



28-59



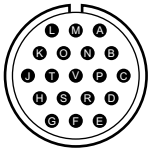
36-13‡



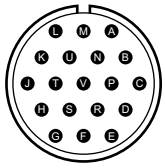
36-19‡

	20-29‡	28-59	36-13‡	36-19‡
CONTACTS	17-#16	10-#16 (J-U) 7-#12 (A-H)	15-#16 (A-K, N-S) 2-#12 (L, M)	10-#16 (H-Q) 5-#12 (B-D,F, G) 1-#4 (A), 1-#0 (E)
RATING	**A**	**A**	**E** (N-Q); **A** (balance)	**D**

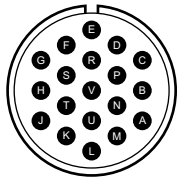
19 CONTACTS



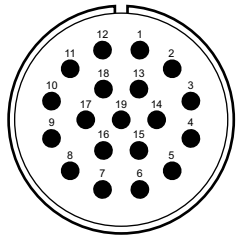
20A48



22-14‡



24-67



32S19

	20A48	22-14‡	24-67	32S19
CONTACTS	19-#16	19-#16	19-#12	19-#12
RATING	**I**	**A**	**INST.**	**A**

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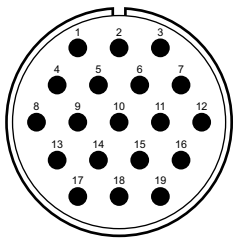
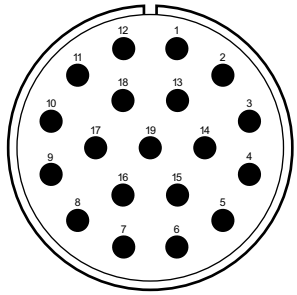
INSERT ARRANGEMENTS BY NUMBER OF CONTACTS

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

19 CONTACTS CONT.

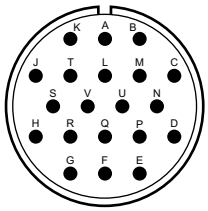


32-76

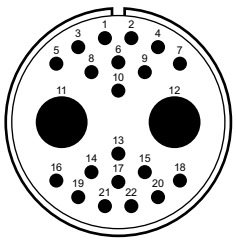


40B19

20 CONTACTS



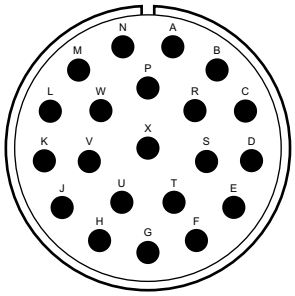
28-16‡



32B22

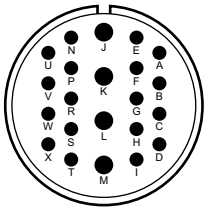
	32-76	40B19	28-16‡	32B22
CONTACTS	19-#12	19-#8	20-#16	20-#16 2-#1/0
RATING	**A**	**A**	**A** For new MIL equip. design, use 28-12	**A**

21 CONTACTS

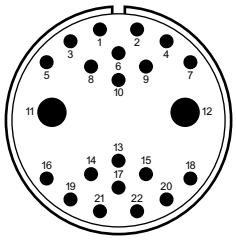


40-68

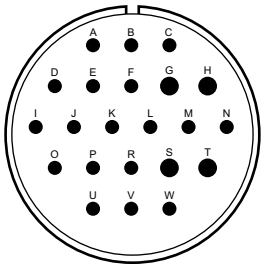
22 CONTACTS



28-11†

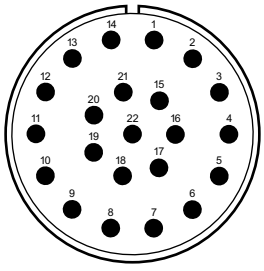


32B22

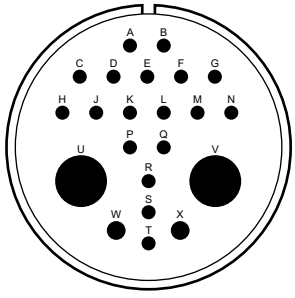


36-1‡

	40-68	28-11†	32B22	36-1‡
CONTACTS	21-#8	18-#16 (A-I, N-X) 4-#12 (J-M)	20-#16 (1-10,13-22) 2-#4 (11,12)	18-#16 (A-F, I-R, U-W) 4-#12 (G, H, S, T)
RATING	**A**	**A**	**A**	**D** For new MIL equip. design, use 32-13

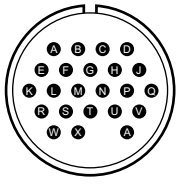


36-22
36A22

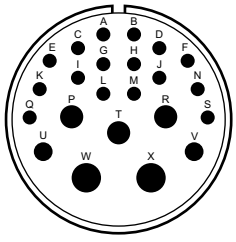


40-7†

23 CONTACTS



24-80†



32-6†

	36-22 36A22	40-7†	24-80†	32-6†
CONTACTS	22-#12	18-#16 (A-T), 2-#12 (W, X) 2-#0 (U, V)	23-#16	16-#16 (A-O, S) 2-#12 (U,V) 3-#8 (P-T), 2-#4 (W, X)
RATING	**D**	**A** (P, Q, U-X); **D** (balance)	**INST.**	**A**

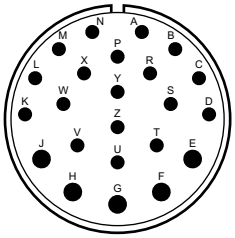
† = Military designation per MIL-STD-1651. ‡ = Military designation inactive for new design. ★ = VG95234

AS95234

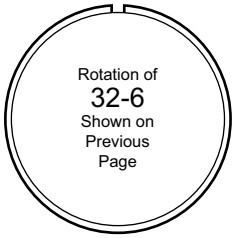
INSERT ARRANGEMENTS BY NUMBER OF CONTACTS

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

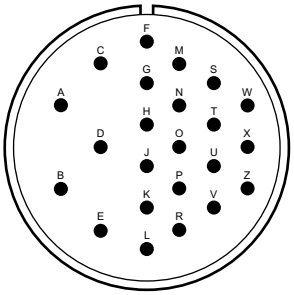
23 CONTACTS CONT.



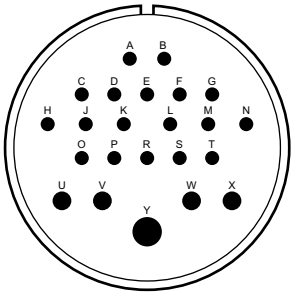
32-13†



32A29



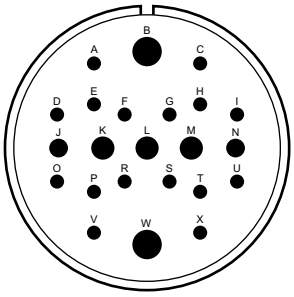
40-2†



40-3†

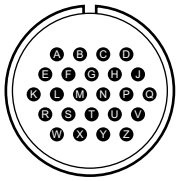
CONTACTS	18-#16 (A-D, K-Z) 5-#12 (E-J)	16-#16 (A-O, S) 2-#12 (U,V) 3-#8 (P-T), 2-#4 (W, X)	23-#16	18-#16 (A-T) 4-#12 (U-X); 1-#4 (Y)
RATING	**D**	**A**	**B** (A-E); **D** (balance)	**D**

23 CONTACTS CONT.

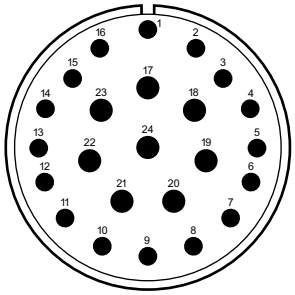


40-4†

24 CONTACTS



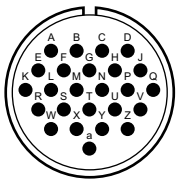
24-28†



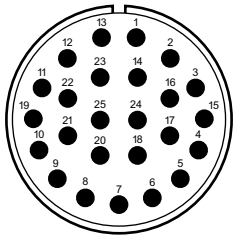
40-A24

CONTACTS	16-#16 (A, C-I, O-V, X) 2-#12 (J, N); 3-#8 (K, L, M); 2-#4 (B, W)	24-#16	16-#12 (1-16) 8-#8 (17-24)
RATING	**D**	**INST.**	**D**

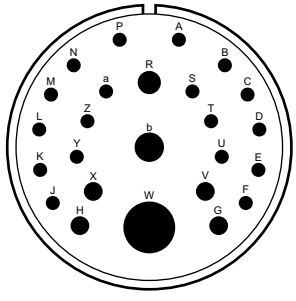
25 CONTACTS



24A25



32A25



40-11†

CONTACTS	25-#16	25-#12	18-#16 (A-F, J-P, S-U, Y, Z a) 4-#12 (G, H, V, X) 1-#8 (R), 1-#4 (b), 1-#0 (W)
RATING	**A**	**A**	**D**

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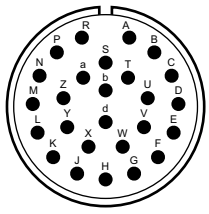
INSERT ARRANGEMENTS BY NUMBER OF CONTACTS

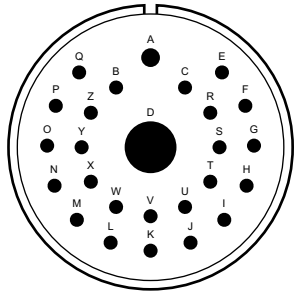
FACE VIEW OF PIN INSERTS SHOWN APPROXIMATELY 3/4 ACTUAL SIZE

26 CONTACTS



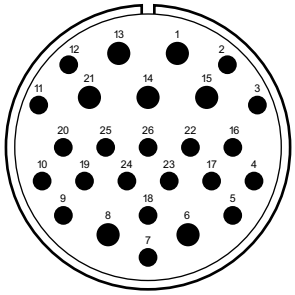
28-12†

CONTACTS	26-#16
RATING	**A**



40-6†

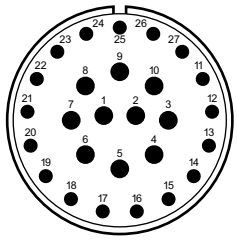
CONTACTS	24-#16 (B, C, E, Z) 1-#12 (A), 1-#0 (D)
RATING	**D**



40-26

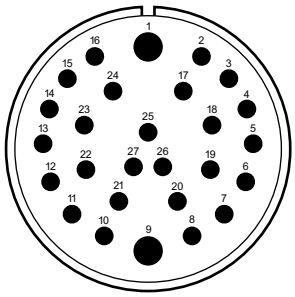
CONTACTS	19-#12 (2-5,7,9-12,16-20,22-26) 7-#8 (1,6,8,13-15,21)
RATING	**A**

27 CONTACTS



32A27

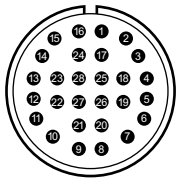
CONTACTS	10-#12 (1-10) 17-#16 (11-27)
RATING	**A**



40A27

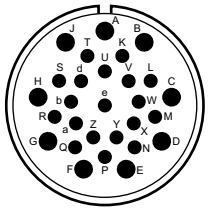
CONTACTS	25-#12 (2 thru 8, 10 thru 27) 2-#4 (1,9)
RATING	**D**

28 CONTACTS



24A28

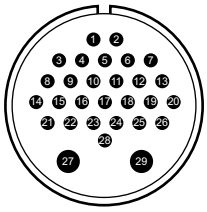
CONTACTS	28-#16
RATING	**I**



28A63

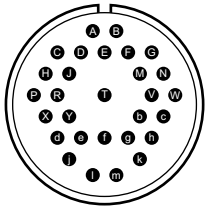
CONTACTS	19-#16 (K-e) 9-#12 (A-J)
RATING	**A** (e) **I** (balance)

29 CONTACTS



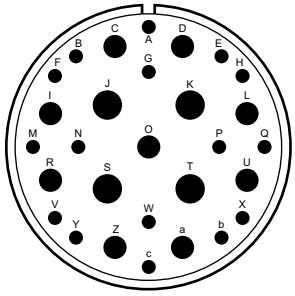
28-A29

CONTACTS	27-#16 (1-26,28) 2-#8 (27,29)
RATING	**D**



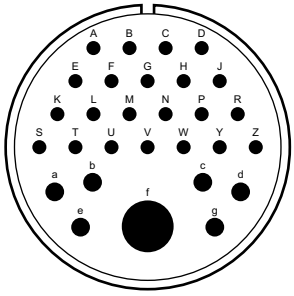
28A55

CONTACTS	29-#16
RATING	**A**



40-10†

CONTACTS	16-#16 (A, B, E-H, M, N, P, Q, V-Y, b, c) 9-#8 (C, D, I, L, O, R, U, z, a) 4-#4 (J, K, S, T)
RATING	**A**



40-12‡

CONTACTS	22-#16 (A-Z) 6-#12 (a-e, g), 1-#0 (f)
RATING	**D**

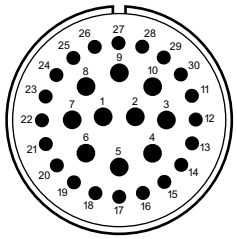
† = Military designation per MIL-STD-1651. ‡ = Military designation inactive for new design. ★ = VG95234

AS95234

INSERT ARRANGEMENTS BY NUMBER OF CONTACTS

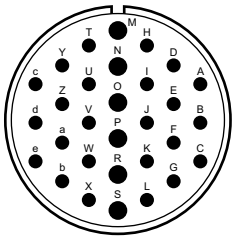
FACE VIEW OF PIN INSERTS SHOWN APPROXIMATELY 3/4 ACTUAL SIZE

30 CONTACTS



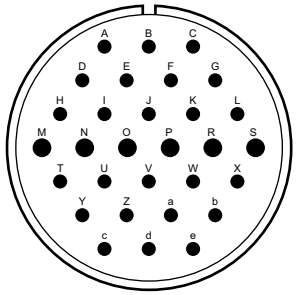
32A30

CONTACTS	20-#16 (11-30) 10-#12 (1-10)
RATING	**A**



32-8†

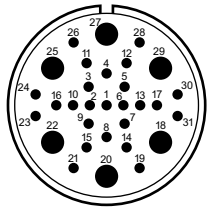
CONTACTS	24-#16 (A-L, T-Z, a-e) 6-#12 (M-S)
RATING	**A** For new MIL equip. design, use 32-7



40-1†

CONTACTS	24-#16 (A-L,T-e) 6-#12 (M-S)
RATING	**D**

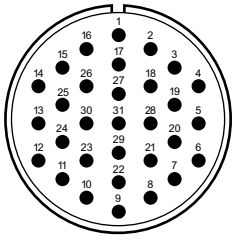
31 CONTACTS



28A31

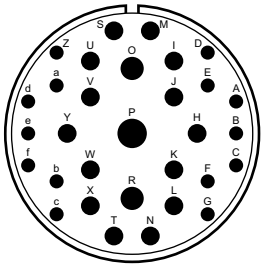
CONTACTS	25-#18 (1-17,19,21,23,24,26,28,30,31) 6-#8 (18,20,22,25,27,29)
RATING	**A**

31 CONTACTS (CONT.)



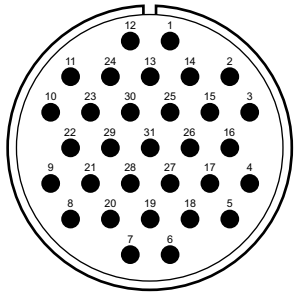
32-31

CONTACTS	31-#16
RATING	**A**



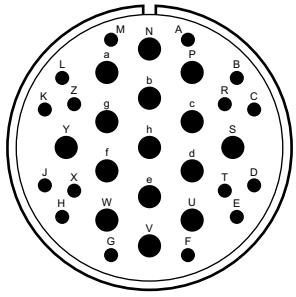
36-9†

CONTACTS	14-#16 (A-G, Z-f) 14-#12 (H-N, S-Y) 2-#8 (O, R), 1-#4 (P)
RATING	**A**



40-31

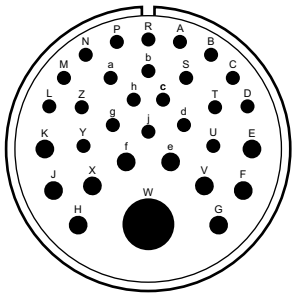
CONTACTS	31-#12
RATING	**D**



40A51

CONTACTS	16-#16 (A-M,R,T,X,Z) 15-#8 (N,P,S,U-W,Y,a-h)
RATING	**A**

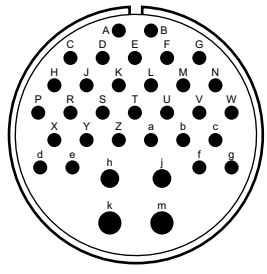
32 CONTACTS



40-14‡

CONTACTS	21-#16 (A-D, L-U, Y-d, g, h, j) 10-#12 (E-K, V, X, e, f) 1-#0 (W)
RATING	**D**

34 CONTACTS



36-20‡

CONTACTS	30-#16 (A-g) 2-#12 (h-j) 2-#8 (k, m)
RATING	**A**

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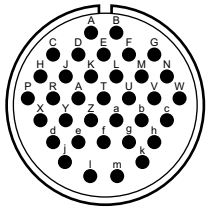
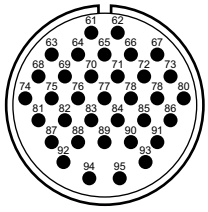
INSERT ARRANGEMENTS BY NUMBER OF CONTACTS

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

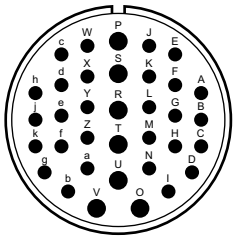
35 CONTACTS



28-15†



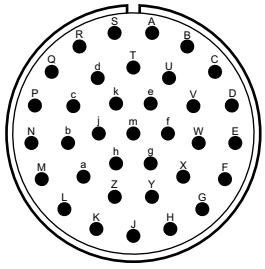
28A35



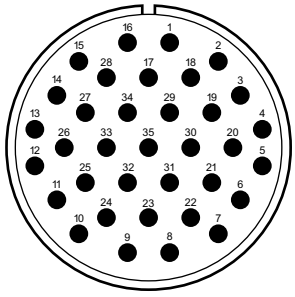
32-7†

	28-15†	28A35	32-7†
CONTACTS	35-#16	35-#16	28-#16 (A-N, W-Z, a-k) 7-#12 (O-V)
RATING	**A** For new MIL equip. design, use 28-21	**A**	**INST.** (A,B,h,j) **A** (balance)

35 CONTACTS (CONT.)

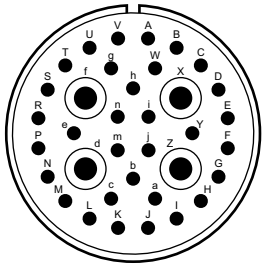


36-15†



40-35

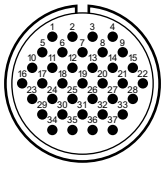
36 CONTACTS



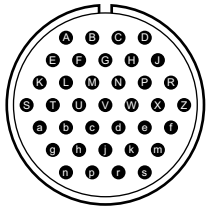
36-35

	36-15†	40-35	36-35
CONTACTS	35-#16	35-#12	4-#8 (d, f, X, Z) 32-#16 (A-W,Y,a,b,c,e,g-n)
RATING	**D** (M); **A** (balance)	**D**	**A**

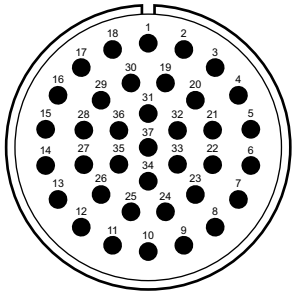
37 CONTACTS



22A37



28-21†



40B37

	22A37	28-21†	40B37
CONTACTS	37-#18	37-#16	37-#12
RATING	**A**	**A**	**A**

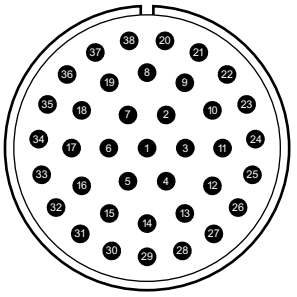
† = Military designation per MIL-STD-1651. ‡ = Military designation inactive for new design. ★ = VG95234

AS95234

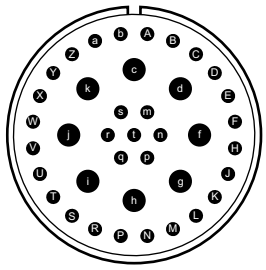
INSERT ARRANGEMENTS BY NUMBER OF CONTACTS

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

38 CONTACTS

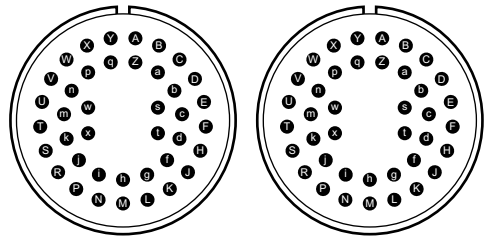


39 CONTACTS



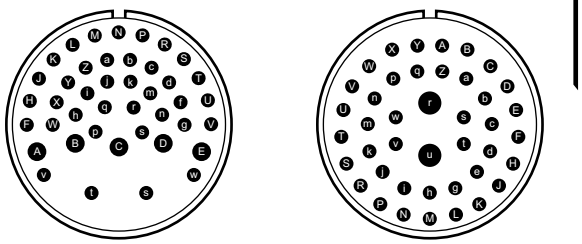
40 CONTACTS

THERMOCOUPLE VERSION

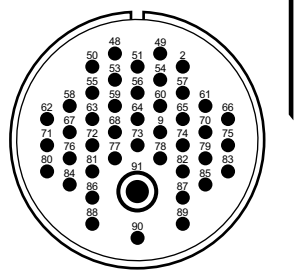


	40A38	36-54	32A40	32A401
CONTACTS	38-#12	31-#16 (A-b, m-t) 8-#8 (c-k)	40-#16	40-#16
RATING	**A**	**A**	**A**	**A**

42 CONTACTS

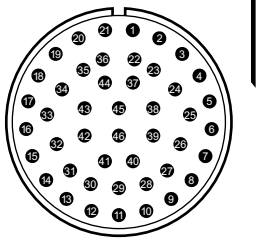


44 CONTACTS

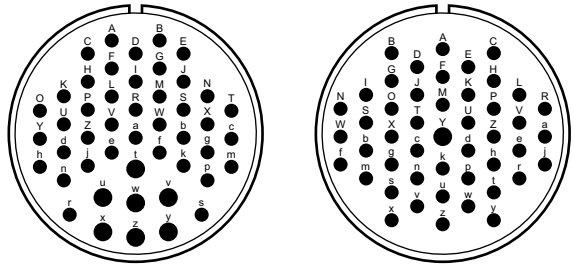


	32-53	32-59	36-74
CONTACTS	37-#16 (F-w) 5-#12 (A-E)	2-#8 (r, u) 40-#16 (balance)	43-#16 (48-90) 1-#8
RATING	**E** (t,u); **INST.** (balance)	**A**	**A**

46 CONTACTS



47 CONTACTS



	32-73†	36-7†	36-8†
CONTACTS	46-#16	40-#16 (A-Z, a-s) 7-#12 (t-z)	46-#16 (A-X, Z-z) 1-#12 (Y)
RATING	**A**	**A**	**A**

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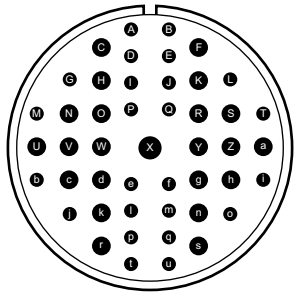
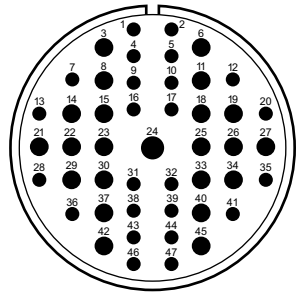
INSERT ARRANGEMENTS BY NUMBER OF CONTACTS

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

47 CONTACTS (CONT.)



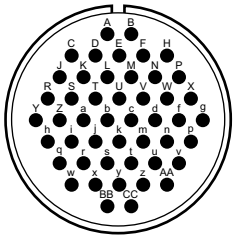
40-9†



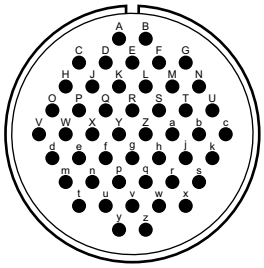
40-47

	40-9†	40-47
CONTACTS	24-#16 (A, B, D, E, G, I, J, L, M, P, Q, T, b, e, f, i, j, l, m, o, p, q, t, u) 22-#12 (C, F, H, K, N, O, R, S, U-W, Y, Z, a, c, d, g, h, k, n, r, s), 1-#8 (X)	24-#16 (1,2,4,5,7,9,10,12,13,16,17,20,28, 31,32,25, 38,39,44 ,43,44,46,47) 22-#12 (3,6,8,11,14,15,18,19,21,22,23,25,26, 27,29,30,33,34,37,40,42,45) 1-#8 (24)
RATING	A	A

48 CONTACTS

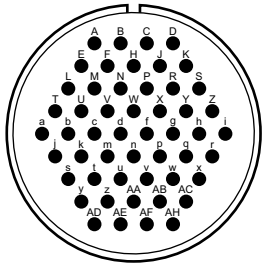


32A48



36-10†

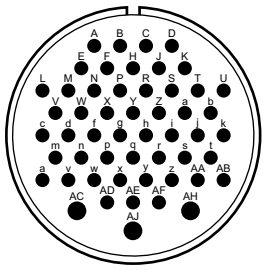
52 CONTACTS



36-52†

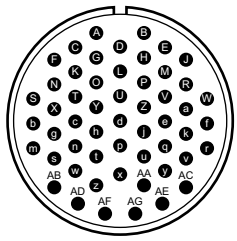
	32A48	36-10†	36-52†
CONTACTS	48-#16	48-#16	52-#16
RATING	I	A	A

53 CONTACTS

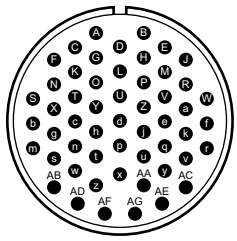


36-71

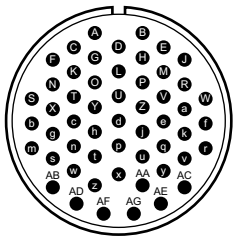
54 CONTACTS



32-22†



32-64



32-88

	36-71	32-22†	32-64	32-88
CONTACTS	50-#16 (A-AB, AD-AF) 3-#12 (AC, AH, AJ)	54-#16	54-#16	54-#16
RATING	A	A	INST.	A

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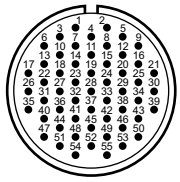
AS95234

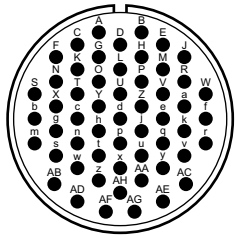
INSERT ARRANGEMENTS BY NUMBER OF CONTACTS

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

55 CONTACTS

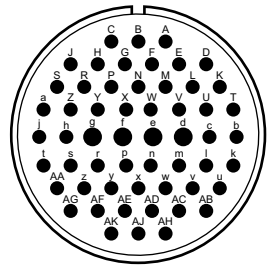


24A55



32A55

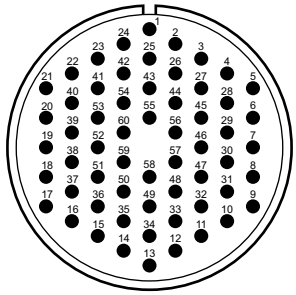
56 CONTACTS



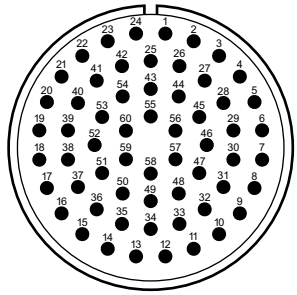
36-66†

	24A55	32A55	36-66†
CONTACTS	55-#20	55-#16	52-#16 (A-c, h-AH) 4-#12 (d, e, f, g)
RATING	A	A	A

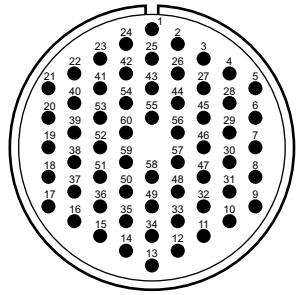
60 CONTACTS



40S27



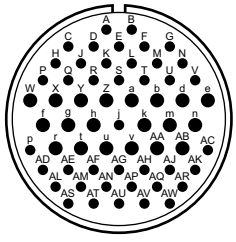
40-53



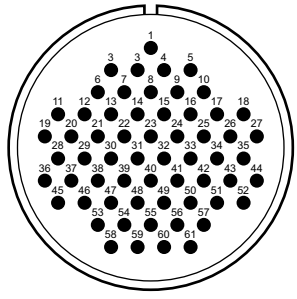
40-62

	40S27	40-53	40-62
CONTACTS	60-#16	60-#16	60-#16
RATING	A	A	A

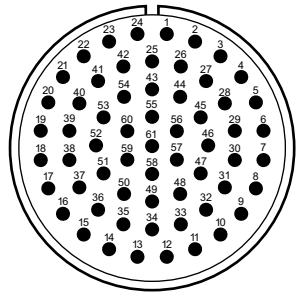
61 CONTACTS



32A69★



40-70



40-63

	32A69★	40-70	40-63
CONTACTS	41-#18 (A-V, j, p, AC-AW) 20-#16 (W-Z, a-v, AA, AB)	61-#16	61-#16
RATING	I	A	A

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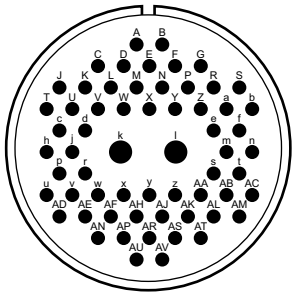
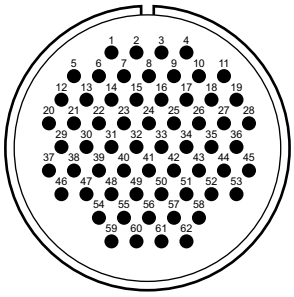
INSERT ARRANGEMENTS BY NUMBER OF CONTACTS

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

62 CONTACTS

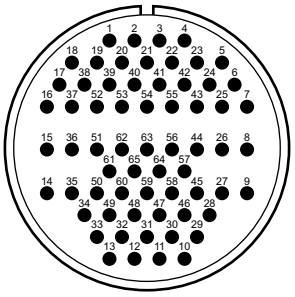


40A62



40-82

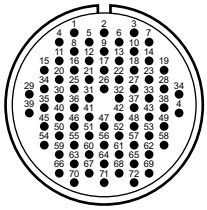
65 CONTACTS



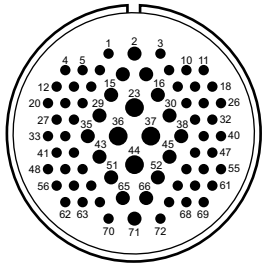
40A65

	40A62	40-82	40A65
CONTACTS	60-#16 (A-j,m-AV) 2-#8 (k,l)	62-#16	65-#16
RATING	A	A	A

72 CONTACTS

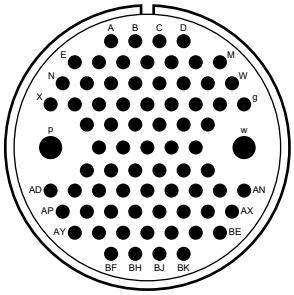


28-72



36A72

75 CONTACTS



40A75

	28-72	36A72	40A75
CONTACTS	72-#20	52-#18 (balance) 16-#16 (2,7,8,15,16,29,30,35,38,43,45,51,52,65,66,71) 4-#12 (23,36,37,44)	73-#16 (A-n, q-v, x-BK) 2-#8 (p, w)
RATING	I	I	A

2H

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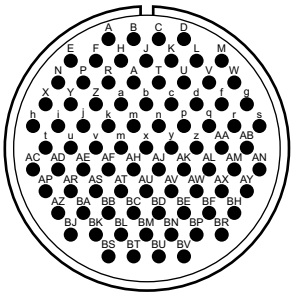
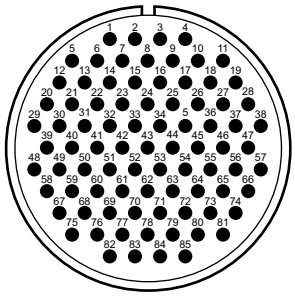
INSERT ARRANGEMENTS BY NUMBER OF CONTACTS

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

85 CONTACTS



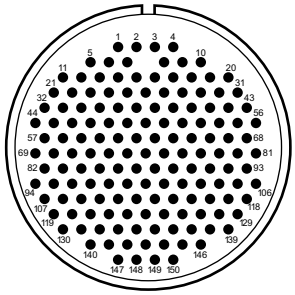
40-56†



40A56
40N56

CONTACTS	85-#16	85-#16
RATING	**A**	**A**

150 CONTACTS



40-150
40A150

CONTACTS	150-#18
RATING	**I**

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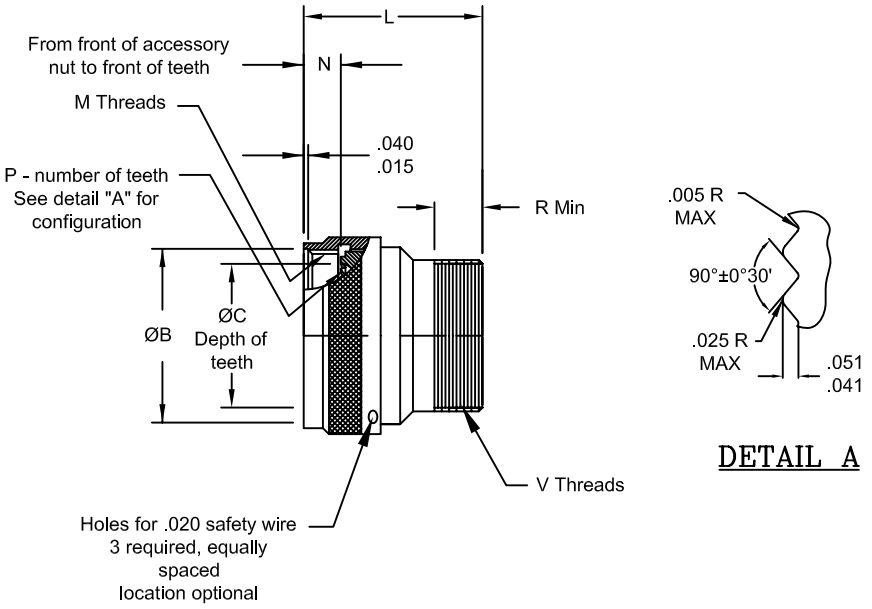
SECTION 3H
CONNECTOR ACCESSORIES

Description	Spacecraft Part Number	Alternate Part Number	Page Number
Backshell, 45° Conduit or Cable Clamp	B049AF145-*	M85049/145	3H-3
Backshell, 45° Environmental	B049AF07-*	M85049/7	*Cat 402*
Backshell, 45° Environmental, Shield Termination	B049AF06-*	M85049/6	*Cat 402*
Backshell, 45° Non-Environmental, Shield Termination	B049AF23-*	M85049/23	*Cat 402*
Backshell, 45° Self-Locking & Non Self-Locking, Shield Band Termination, (RFI/EMI), Shrink Boot Accommodation	B049AF83-*	M85049/83	*Cat 402*
Backshell, 90° Conduit or Cable Clamp	B049AF146-*	M85049/146	3H-4
Backshell, 90° Environmental	B049AF09-*	M85049/9	*Cat 402*
Backshell, 90° Environmental, Shield Termination	B049AF08-*	M85049/8	*Cat 402*
Backshell, 90° Non-Environmental, Shield Termination	B049AF24-*	M85049/24	*Cat 402*
Backshell, 90° Self-Locking & Non-Self-Locking, Pre-Attached Shield Termination (RFI/EMI), Shrink Boot Accommodation	B049AF111-*	M85049/111	*Cat 402*
Backshell, 90° Self-Locking & Non-Self-Locking, Shield Band Termination, (RFI/EMI), Shrink Boot Accommodation	B049AF84-*	M85049/84	*Cat 402*
Backshell, Straight Environmental	B049AF11-*	M85049/11	*Cat 402*
Backshell, Straight Environmental Shield Termination	B049AF10-*	M85049/10	*Cat 402*
Backshell, Straight for Conduit or Cable Clamp	B049AF144-*	M85049/144	*Cat 402*
Backshell, Straight Non-Environmental, Self-Locking & Non-Self-Locking	B049AF31-*	M85049/31	3H-2
Backshell, Straight Non-Environmental, Shield Termination	B049AF25-*	M85049/25	*Cat 402*
Backshell, Straight Self-Locking & Non-Self-Locking, Pre-Attached Shield Termination (RFI/EMI), Shrink Boot Accommodation	B049AF109-*	M85049/109	*Cat 402*
Backshell, Straight Self-Locking & Non-Self-Locking, Shield Band Termination (RFI/EMI) Shrink Boot Accommodation	B049AF82-*	M85049/82	*Cat 402*
Cable Clamp, Environmental Gland Seal	MS3057-*B	M85049/2	3H-6
Cable Clamp, Environmental Gland Seal	MS3057-*C	M85049/1	3H-7
Cable Clamp, Non-Environmental	MS3057-*A	M85049/41	3H-5
Cable Clamp, Non-Environmental	MS3057-*D	M85049/42	3H-8
Dummy Receptacle	DRP19	AS95234/12	3H-11
Dust Cap for Plug, Metal	DCP19	AS95234/10	3H-10
Dust Cap for Receptacle, Metal	DCR19	AS95234/11	3H-10
Dust Cap, Plastic	MS90376-*	M85049/138	*Cat 402*
Gasket for Square Flange Receptacle	930-XXXX-XXX	M85049/130	3H-13
Sealing Plug	MS25251		3H-14
Sealing Plug	MS27488		3H-14
Shield Band Termination	SCPBE-*/SCPSE-*	M85049/128	*Cat 402*
Shrink Boot Adapter	B049AF60-*	M85049/60	*Cat 402*
Strain Relief Straight, Self-Locking & Non-Self-Locking	B049AF118-*	M85049/118	*Cat 402*
Strain Relief, 90° Self-Locking & Non Self-Locking	B049AF120-*	M85049/120	*Cat 402*
Telescoping Bushing	MS3420-*	M85049/139	3H-9

ADAPTER FOR MS3057 CLAMP OR CONDUIT

STRAIGHT B049AF144*



SHELL SIZE	B +.025 [+.64] -.000 [-.00]	C +.000 [+.00] -.015 [-.38]	L MAX	M R.H THREAD CLASS 2B	N +0.000 [+.00] -.022 [-.56]	P Number of Teeth	R MIN	V R.H THREAD CLASS 2A	CLAMP DASH NUMBER 3057- * A,B OR C
10SL/12S▲	0.625 [15.88]	0.494 [12.55]	1.600 [40.64]	5/8-24 UNEF	0.305 [7.75]	15	0.531 [13.49]	.625-24 UNEF	-4
14/14S	0.875 [22.22]	0.735 [18.67]	1.600 [40.64]	7/8-20 UNEF	0.305 [7.75]	24	0.531 [13.49]	.750-20 UNEF	-6
16S	1.000 [25.40]	0.860 [21.84]	1.600 [40.64]	1-20 UNEF	0.305 [7.75]	30	0.531 [13.49]	.875-20 UNEF	-8
16	1.000 [25.40]	0.860 [21.84]	1.600 [40.64]	1-20 UNEF	0.305 [7.75]	30	0.531 [13.49]	.875-20 UNEF	-8
18	1.062 [26.97]	0.916 [23.26]	1.600 [40.64]	1 1/16-18 UNEF	0.305 [7.75]	33	0.531 [13.49]	1.000-20 UNEF	-10
20	1.188 [30.18]	1.041 [26.44]	1.600 [40.64]	1 3/16-18 UNEF	0.305 [7.75]	36	0.531 [13.49]	1.188-18 UNEF	-12
22	1.312 [33.32]	1.166 [29.62]	1.600 [40.64]	1 5/16-18 UNEF	0.305 [7.75]	39	0.531 [13.49]	1.188-18 UNEF	-12
24	1.438 [36.53]	1.291 [32.79]	1.600 [40.64]	1 7/16-18 UNEF	0.305 [7.75]	42	0.531 [13.49]	1.438-18 UNEF	-16
28	1.750 [44.45]	1.512 [38.40]	1.600 [40.64]	1 3/4-18 UNS	0.467 [11.86]	54	0.531 [13.49]	1.438-18 UNEF	-16
32	2.000 [50.80]	1.762 [44.75]	1.800 [45.72]	2-18 UNS	0.467 [11.86]	63	0.562 [14.27]	1.750-18 UNS	-20
36	2.250 [57.15]	1.977 [50.22]	2.100 [53.34]	2 1/4-16 UN	0.467 [11.86]	72	0.731 [19.84]	2.000-18 UNS	-24
40▲	2.500 [63.50]	2.192 [55.68]	2.100 [53.34]	2 1/2-16 UN	0.467 [11.86]	81	0.731 [19.84]	2.250-16 UN	-28

Dimensions in brackets [ ] are in millimeters.
▲ Insert arrangement not listed in AS95234. Available with solder contacts or removeable crimp contacts (rubber retention).

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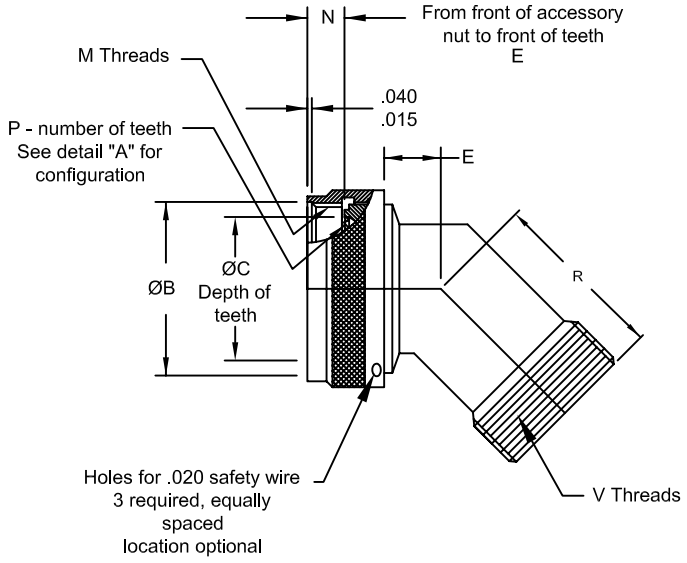
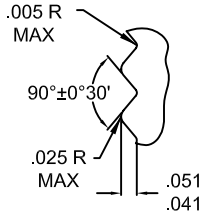
ADAPTER FOR MS3057 CLAMP OR CONDUIT

B049AF145* 45°





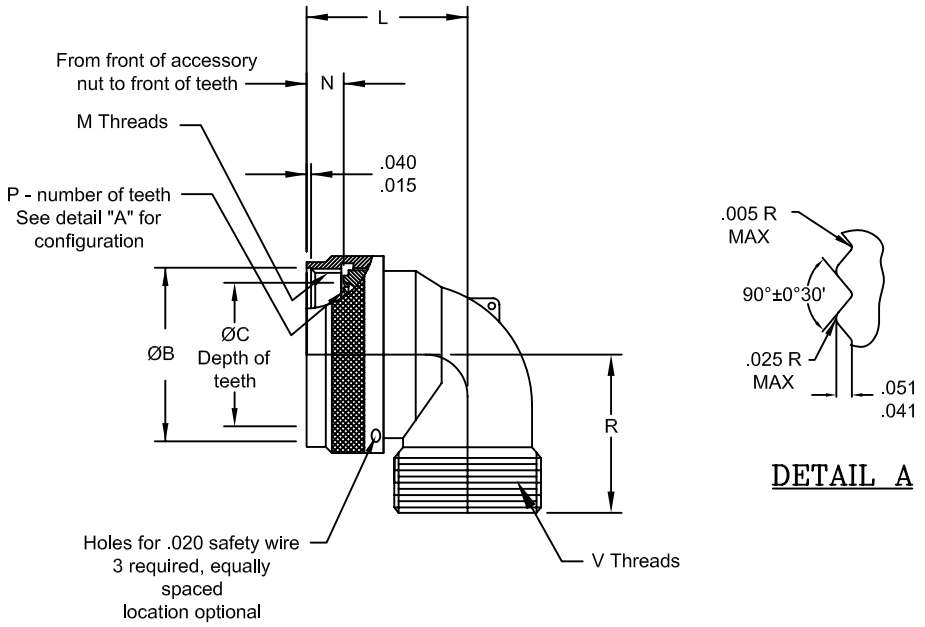
DETAIL A

SHELL SIZE	B +.025 [+.64] -.000 [-.00]	C +.000 [+.00] -.015 [-.38]	E ±.125 [±3.18]	M R.H THREAD CLASS 2B	N +0.000 [+.00] -.022 [-.56]	P Number of Teeth	R MAX	V R.H THREAD CLASS 2A	CLAMP DASH NUMBER 3057- * A,B OR C
10SL/12S▲	0.625 [15.88]	0.494 [12.55]	0.494 [12.55]	5/8-24 UNEF	0.305 [7.75]	15	1.245 [31.62]	.625-24 UNEF	-4
14/14S	0.875 [22.22]	0.735 [18.67]	0.735 [18.67]	7/8-20 UNEF	0.305 [7.75]	24	1.655 [42.04]	.750-20 UNEF	-6
16S	1.000 [25.40]	0.860 [21.84]	0.860 [21.84]	1-20 UNEF	0.305 [7.75]	30	1.750 [44.45]	.875-20 UNEF	-8
16	1.000 [25.40]	0.860 [21.84]	0.860 [21.84]	1-20 UNEF	0.305 [7.75]	30	1.938 [49.23]	.875-20 UNEF	-8
18	1.062 [26.97]	0.916 [23.26]	0.968 [24.59]	1 1/16-18 UNEF	0.305 [7.75]	33	1.938 [49.23]	1.000-20 UNEF	-10
20	1.188 [30.18]	1.041 [26.44]	0.968 [24.59]	1 3/16-18 UNEF	0.305 [7.75]	36	2.093 [53.16]	1.188-18 UNEF	-12
22	1.312 [33.32]	1.166 [29.62]	1.063 [27.00]	1 5/16-18 UNEF	0.305 [7.75]	39	2.093 [53.16]	1.188-18 UNEF	-12
24	1.438 [36.53]	1.291 [32.79]	1.033 [27.00]	1 7/16-18 UNEF	0.305 [7.75]	42	2.156 [54.76]	1.438-18 UNEF	-16
28	1.750 [44.45]	1.512 [38.40]	1.188 [30.17]	1 3/4-18 UNS	0.467 [11.86]	54	2.156 [54.76]	1.438-18 UNEF	-16
32	2.000 [50.80]	1.762 [44.75]	1.250 [31.75]	2-18 UNS	0.467 [11.86]	63	2.250 [57.15]	1.750-18 UNS	-20
36	2.250 [57.15]	1.977 [50.22]	1.281 [32.51]	2 1/4-16 UN	0.467 [11.86]	72	2.344 [59.54]	2.000-18 UNS	-24
40▲	2.500 [63.50]	2.192 [55.68]	2.031 [51.59]	2 1/2-16 UN	0.467 [11.86]	81	2.690 [68.33]	2.250-16 UN	-28

Dimensions in brackets [ ] are in millimeters.
▲ Insert arrangement not listed in AS95234. Available with solder contacts or removeable crimp contacts (rubber retention).

ADAPTER FOR MS3057 CLAMP OR CONDUIT

90° B049AF146*



SHELL SIZE	B +.025 [+.64] -.000 [-.00]	C +.000 [+.00] -.015 [-.38]	L MAX	M R.H THREAD CLASS 2B	N +0.000 [+.00] -.022 [-.56]	P Number of Teeth	R MIN	V R.H THREAD CLASS 2A	CLAMP DASH NUMBER 3057- * A,B OR C
10SL/12S▲	0.625 [15.88]	0.494 [12.55]	0.828 [21.03]	5/8-24 UNEF	0.305 [7.75]	15	0.984 [25.00]	.625-24 UNEF	-4
14/14S	0.875 [22.22]	0.735 [18.67]	0.941 [23.90]	7/8-20 UNEF	0.305 [7.75]	24	1.044 [26.52]	.750-20 UNEF	-6
16S	1.000 [25.40]	0.860 [21.84]	1.048 [26.62]	1-20 UNEF	0.305 [7.75]	30	1.116 [26.35]	.875-20 UNEF	-8
16	1.000 [25.40]	0.860 [21.64]	1.048 [26.62]	1-20 UNEF	0.305 [7.75]	30	1.116 [28.35]	.875-20 UNEF	-8
18	1.062 [26.97]	0.916 [23.26]	1.094 [27.79]	1 1/16-18 UNEF	0.305 [7.75]	33	1.181 [30.00]	1.000-20 UNEF	-10
20	1.188 [30.18]	1.041 [26.44]	1.310 [33.27]	1 3/16-18 UNEF	0.305 [7.75]	36	1.260 [32.00]	1.188-18 UNEF	-12
22	1.312 [33.32]	1.166 [29.62]	1.310 [33.27]	1 5/16-18 UNEF	0.305 [7.75]	39	1.260 [32.00]	1.188-18 UNEF	-12
24	1.438 [36.53]	1.291 [32.79]	1.470 [37.34]	1 7/16-18 UNEF	0.305 [7.75]	42	1.484 [37.70]	1.438-18 UNEF	-16
28	1.750 [44.45]	1.512 [38.40]	1.470 [37.34]	1 3/4-18 UNS	0.305 [7.75]	54	1.498 [38.01]	1.438-18 UNEF	-16
32	2.000 [50.80]	1.762 [44.75]	1.585 [40.26]	2-18 UNS	0.305 [7.75]	63	1.809 [45.95]	1.750-18 UNS	-20
36	2.250 [57.15]	1.977 [50.22]	1.720 [43.68]	2 1/4-16 UN	0.305 [7.75]	72	1.858 [47.20]	2.000-18 UNS	-24
40▲	2.500 [63.50]	2.192 [55.68]	1.810 [45.97]	2 1/2-16 UN	0.305 [7.75]	81	2.047 [52.00]	2.250-16 UN	-28

Dimensions in brackets [ ] are in millimeters.
▲ Insert arrangement not listed in AS95234. Available with solder contacts or removeable crimp contacts (rubber retention).

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CABLE CLAMP
MS3057-*A

FOR ALL SERIES HAVING A THREADED BACKSHELL

MS3057 - 20A C

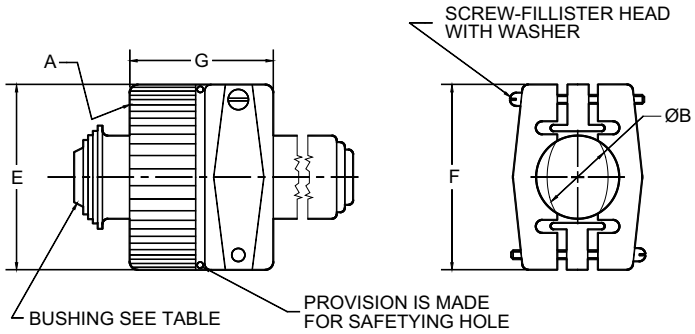
MIL SPEC

DASH NUMBER
See Dimension Table below.

FINISH/MATERIAL

MS3057	FINISH	MATERIAL
Blank	Cadmium, olive drab 48 hr. salt spray.	Aluminum Alloy
A	Cadmium, olive drab over suitable underplate, 1000 hr. salt spray.	
C	Cadmium, olive drab, 48 hr salt spray.	
N	Electroless nickel.	

Note: Bushing can be "telescoped" to achieve a smaller sealing diameter.



DASH NO.	CONNECTOR SHELL SIZE (REF)	A THREAD CLASS 2B	B MAX	ØE ±.031 [±0.79]	F ±.031 [±0.79]	G ±.031 [±0.79]	BUSHING (REF) (a)
-3A	8S & 10S	.500-28 UNEF	.250 [6.35]	.688 [17.48]	.812 [20.62]	.812 [20.62]	MS3420-3
-4A	10SL, 12S & 12	.625-24 UNEF	.312 [7.92]	.812 [20.62]	.875 [22.22]		MS3420-4
-6A	14S & 14	.750-20 UNEF	.438 [11.13]	.969 [24.61]	1.062 [26.97]	.875 [22.22]	MS3420-6
-8A	16S & 16	.875-20 UNEF	.562 [14.27]	1.094 [27.79]	1.156 [29.36]	.938 [23.83]	MS3420-8
-10A	18	1.000-20 UNEF	.625 [15.87]	1.188 [30.18]	1.250 [31.75]		MS3420-10
-12A	20 & 22	1.188-20 UNEF	.750 [19.05]	1.375 [34.92]	1.469 [37.31]		MS3420-12
-16A	24 & 28	1.438-18 UNEF	.938 [23.83]	1.656 [42.06]	1.688 [42.88]	1.031 [26.19]	MS3420-16
-20A	32	1.750-18 UNS	1.250 [31.75]	2.031 [51.59]	2.031 [51.59]	1.094 [27.79]	MS3420-20
-24A	36	2.000-18 UNS	1.375 [34.92]	2.219 [56.36]	2.281 [57.94]	1.156 [29.36]	MS3420-24
-28A	40	2.250-16 UN	1.625 [41.27]	2.500 [63.50]	2.688 [68.28]	1.688 [42.88]	MS3420-28
-32A	44	2.500-16 UN	1.875 [47.62]	2.781 [70.64]	2.938 [74.63]	1.750 [44.45]	MS3420-32
-40A	48	3.000-16 UN	2.375 [60.32]	3.281 [83.34]	3.500 [88.90]		MS3420-40

1. (a) Telescoping bushings are not supplied with clamps.
2. Dimensions in brackets [ ] are in millimeters.

CABLE CLAMP

MS3057-*B

For All Series Having a Threaded Backshell

ORDERING INFORMATION

MS3057 - 20B

MIL-SPEC — **DASH NUMBER** See Table I below.

MATERIAL: Aluminum Alloy
FINISH: Cadmium, Olive Drab, 48 Hr Salt Spray

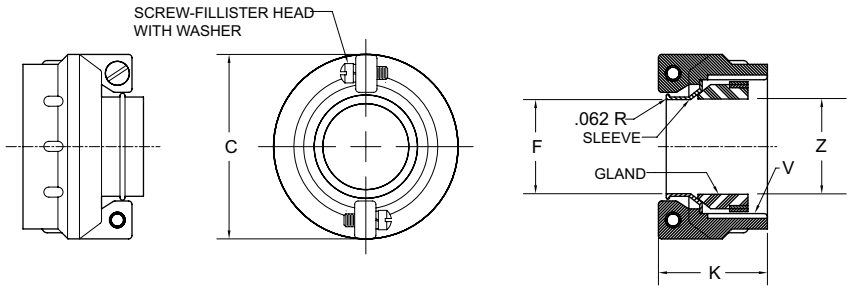


TABLE I

DASH NO.	CONNECTOR SHELL SIZE (REF)	C MAX	F +.020 -.000 [+0.51] [-0.00]	K MAX	V THREAD CLASS 2B	ØZ APPROX. (GLAND) FREE	ØZ APPROX. (GLAND) CLOSED	BUSHING (REF) (a)
-3B	8S & 10S	.812 [20.62]	.231 [5.87]	1.031 [26.19]	.500-28 UNEF	.219 [5.56]	.031 [0.79]	MS3420-3A
-4B	10SL, 12S & 12	.937 [23.80]	.315 [8.00]		.625-24 UNEF	.312 [7.92]	.094 [2.39]	MS3420-4A
-6B	14S & 14	1.062 [26.97]	.440 [11.18]		.750-20 UNEF	.438 [11.13]	.250 [6.35]	MS3420-6A
-8B	16S & 16	1.188 [30.18]	.515 [13.08]		.875-20 UNEF	.531 [13.49]	.312 [7.92]	MS3420-8A
-10B	18	1.312 [33.32]	.614 [15.60]	1.094 [27.79]	1.000-20 UNEF	.625 [15.87]	.375 [9.52]	MS3420-10A
-12B	20 & 22	1.562 [39.67]	.738 [18.75]	1.219 [30.96]	1.188-18 UNEF	.750 [19.05]	.500 [12.70]	MS3420-12A
-16B	24 & 28	1.750 [44.45]	.926 [23.52]		1.438-18 UNEF	.938 [23.83]	.594 [15.09]	MS3420-16A
-20B	32	2.250 [57.15]	1.200 [30.48]	1.344 [34.14]	1.750-18 UNS	1.250 [31.75]	.938 [23.83]	MS3420-20A
-24B	36	2.375 [60.32]	1.363 [34.62]	1.547 [39.29]	2.000-18 UNS	1.375 [34.92]	.969 [24.61]	MS3420-24A
-28B	40	2.625 [66.67]	1.611 [40.92]		2.250-16 UN	1.625 [41.27]	1.188 [30.18]	MS3420-28A
-32B	44	2.812 [71.42]	1.865 [47.37]	1.734 [44.04]	2.500-16 UN	1.875 [47.62]	1.375 [34.92]	MS3420-32A
-40B	48	3.312 [84.12]	2.365 [60.07]	1.781 [45.24]	3.000-16 UN	2.375 [60.32]	1.875 [47.62]	MS3420-40A

1. (a) Bushings are not supplied with clamps.
2. Dimensions in brackets [ ] are in millimeters.

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For All Series Having a Threaded Backshell

ORDERING INFORMATION

MS3057 - 20C

MIL-SPEC — **DASH NUMBER** See Table I below.

MATERIAL: Aluminum Alloy
FINISH: Cadmium, Olive Drab, 48 Hr Salt Spray

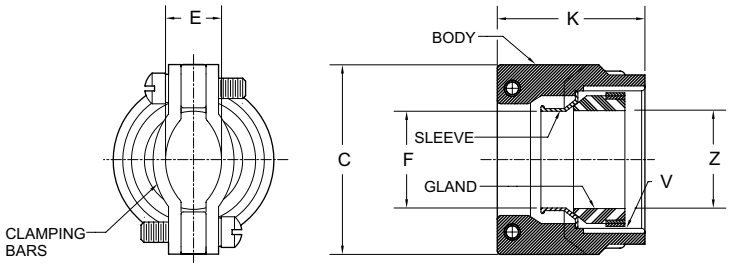

TABLE I

DASH NO.	CONNECTOR SHELL SIZE (REF)	C MAX	E MAX CLOSED	F +.020 -.000 [+0.51] [-0.00]	K MAX	V THREAD CLASS 2B	ØZ APPROX. (GLAND)		BUSHING (REF) (a)
							FREE	CLOSED	
-3C	8S & 10S	.812 [20.62]	.217 [5.51]	.231 [5.87]	1.375 [34.92]	.500-28 UNEF	.219 [5.56]	.031 [0.79]	MS3420-3A
-4C	10SL, 12S & 12	.937 [23.80]	.296 [7.52]	.315 [8.00]	1.375 [34.92]	.625-24 UNEF	.312 [7.92]	.094 [2.39]	MS3420-4A
-6C	14S & 14	1.062 [26.97]	.390 [9.91]	.440 [11.18]	1.375 [34.92]	.750-20 UNEF	.438 [11.13]	.250 [6.35]	MS3420-6A
-8C	16S & 16	1.188 [30.18]	.434 [11.02]	.515 [13.08]	1.375 [34.92]	.875-20 UNEF	.531 [13.49]	.312 [7.92]	MS3420-8A
-10C	18	1.312 [33.32]		.614 [15.60]	1.437 [36.50]	1.000-20 UNEF	.625 [15.87]	.375 [9.52]	MS3420-10A
-12C	20 & 22	1.562 [39.67]	.596 [15.14]	.738 [18.75]	1.437 [36.50]	1.188-18 UNEF	.750 [19.05]	.500 [12.70]	MS3420-12A
-16C	24 & 28	1.750 [44.45]		.926 [23.52]	1.562 [39.67]	1.438-18 UNEF	.938 [23.83]	.594 [15.09]	MS3420-16A
-20C	32	2.250 [57.15]	.858 [21.79]	1.200 [30.48]	1.812 [46.02]	1.750-18 UNS	1.250 [31.75]	.938 [23.83]	MS3420-20A
-24C	36	2.375 [60.32]		1.363 [34.62]	1.812 [46.02]	2.000-18 UNS	1.375 [34.92]	.969 [24.61]	MS3420-24A
-28C	40	2.625 [66.67]	1.107 [28.12]	1.611 [40.92]	2.062 [52.37]	2.250-16 UN	1.625 [41.27]	1.188 [30.18]	MS3420-28A
-32C	44	2.812 [71.42]	1.421 [36.09]	1.865 [47.37]	2.188 [55.58]	2.500-16 UN	1.875 [47.62]	1.375 [34.92]	MS3420-32A

1. (a) Bushings are not supplied with clamps.
2. Dimensions in brackets [ ] are in millimeters.

CABLE CLAMP

MS3057-*D

For All Series Having a Threaded Backshell

ORDERING INFORMATION

MS3057 - 20D C

MIL SPEC

DASH NUMBER
See Table I below.

FINISH/MATERIAL

CODE	FINISH	MATERIAL
A	Cadmium, olive drab over suitable underplate, 1000 hr. salt spray.	Aluminum Alloy
C	Cadmium, olive drab, 48 hr. salt spray.	
D	Black cadmium.	Stainless Steel
N	Electroless nickel.	Aluminum Alloy
S	Passivated.	Stainless Steel

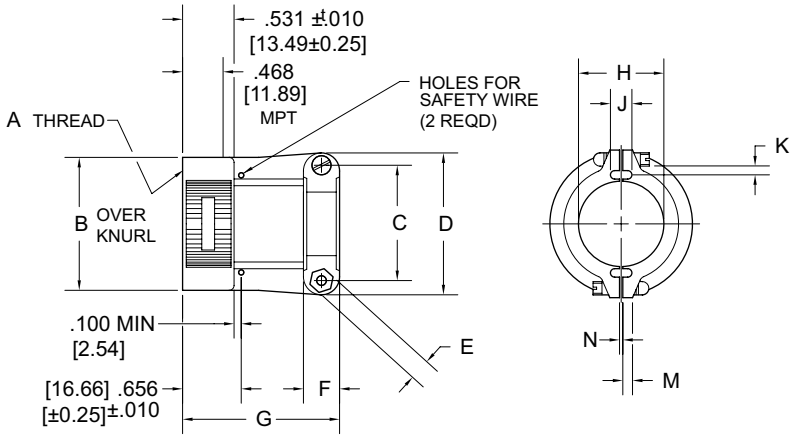

TABLE I

DASH NO.	A THREAD CLASS 2B	ØB MAX	C ±.010 [±0.25]	D ±.020 [±0.51]	E +.000 -.007 [+0.00] [-0.18]	F ±.010 [±0.25]	G ±.020 [±0.51]	H WIRE BUNDLE RANGE [DIA.] MIN	H WIRE BUNDLE RANGE [DIA.] MAX	ØJ ±.010 [±0.25]	K ±.010 [±0.25]	M ±.010 [±0.25]	N ±.010 [±0.25]
-4D	.625-24 UNEF	.937 [23.80]	.637 [16.18]	.937 [23.80]	.250 [6.35]	.312 [7.92]	1.281 [32.54]	.125 [3-17]	.312 [7.92]	.218 [5.54]	.062 [1.57]	.156 [3.96]	.109 [2.77]
-6D	.750-20 UNEF	1.031 [26.19]	.763 [19.38]	1.125 [28.57]	.250 [6.35]	.375 [9.52]	1.281 [32.54]	.250 [6.35]	.437 [11.10]	.281 [7.14]	.062 [1.57]	.175 [4.44]	.125 [3-17]
-8D	.875-20 UNEF	1.250 [31.75]	.942 [23.93] ±.032 [±0.81]	1.312 [33.32]	.250 [6.35]	.422 [10.72] ±.026 [±0.66]	1.281 [32.54]	.312 [7.92]	.562 [14.27]	.312 [7.92]	.062 [1.57]	.211 [5.36] ±.018 [±0.46]	.125 [3-17]
-10D	1.000-20 UNEF	1.250 [31.75]	.964 [24.49]	1.312 [33.32]	.250 [6.35]	.437 [11.10]	1.281 [32.54]	.350 [8.89]	.625 [15.87]	.312 [7.92]	.062 [1.57]	.218 [5.54]	.125 [3-17]
-12D	1.188-18 UNEF	1.437 [36.50]	1.130 [28.70]	1.531 [38.89]	.250 [6.35]	.437 [11.10]	1.312 [33.32]	.500 [12.70]	.750 [19.05]	.375 [9.52]	.062 [1.57]	.250 [6.35]	.156 [3.96]
-16D	1.438-18 UNEF	1.688 [42.88]	1.375 [34.92]	1.750 [44.45]	.250 [6.35]	.531 [13.49]	1.406 [35.71]	.625 [15.87]	.937 [23.80]	.375 [9.52]	.062 [1.57]	.250 [6.35]	.188 [4.78]
-20D	1.750-18 UNS	2.000 [50.80]	1.703 [43.26]	2.093 [53.16]	.312 [7.92]	.531 [13.49]	1.593 [40.46]	.875 [22.22]	1.250 [31.75]	.475 [12.06]	.078 [1.98]	.312 [7.92]	.188 [4.78]
-24D	2.000-18 UNS	2.250 [57.15]	1.906 [48.41]	2.343 [59.51]	.312 [7.92]	.531 [13.49]	1.625 [41.27]	1.000 [25.40]	1.375 [34.92]	.500 [12.70]	.093 [2.36]	.312 [7.92]	.250 [6.35]
-28D	2.250-16 UN	2.500 [63.50]	2.218 [56.34]	2.750 [69.85]	.312 [7.92]	.812 [20.62]	1.900 [48.26]	1.250 [31.75]	1.625 [41.27]	.625 [15.87]	.093 [2.36]	.312 [7.92]	.375 [9.52]
-32D	2.500-16 UN	2.750 [69.85]	2.500 [63.50]	3.000 [76.20]	.312 [7.92]	.812 [20.62]	1.900 [48.26]	1.437 [36.50]	1.875 [47.62]	.675 [17.14]	.125 [3.17]	.312 [7.92]	.375 [9.52]

1. Dimensions in brackets [ ] are in millimeters.
2. MS3057-*D superseded by M85049/42.

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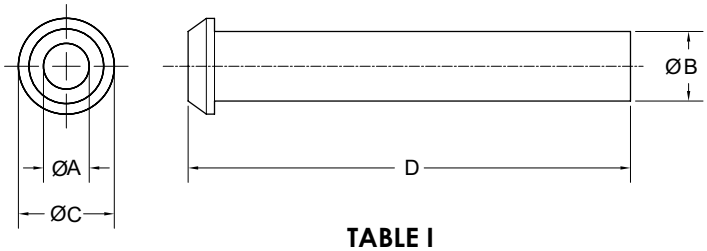
RUBBER BUSHING

M85049/139, MS3420-*



ORDERING INFORMATION

M85049/139 - 16 C

MIL-SPEC
Standard material & color is black neoprene.

DASH NUMBER
See Table I below.

MATERIAL DESIGNATOR
- **Blank** Neoprene in accordance with AMS 3208.
- **C** Silicone in accordance with AA-59588.
- **K** Fluorosilicone of fluorosilicone blend in accordance with MIL-DTL-25988.

TABLE I

DASH NO.	AØ	BØ	CØ	D	MS3420-* SUPERSEDES	
					AN3420	MS39056
3	.150 [3.8] .110 [2.8]	.230 [5.8] .190 [4 8]	.395 [10.0] .363 [9.2]	2.906 [73.8] 2.844 [72.2]	-3	-1
4	.240 [6.1] .200 [5.1]	.322 [8 2] .282 [7.2]	.521 [13.2] .489 [12 4]	2.781 [70.6] 2.719 [69.1]	-4	-2
6	.332 [8.4] .292 [7.4]	.447 [11 4] .407 [10.3]	.635 [16 1] .603 [15 3]	2.656 [67.5] 2.594 [65.9]	-6	-3
8	.464 [11.8] .410 [10.4]	.579 [14.7] .525 [13.3]	.760 [19.3] .728 [18.5]	2.531 [64.3] 2.469 [62.7]	-8	-4
10	.589 [15.0] .535 [13.6]	.652 [16 6] .535 [13.6]	.905 [23.0] .873 [22.2]	2.406 [61.1] 2.344 [59.5]	-10	-5
12	.652 [16.6] .598 [15.2]	.767 [19.5] .713 [18.1]	1.100 [27.9] 1.068 [27.1]	2.281 [57.9] 2.219 [56.4]	-12	-6
16	.777 [19.7] .723 [18.4]	.954 [24.2] .900 [22.9]	1.330 [33.8] 1.298 [33 0]	2.156 [54.8] 2.094 [53.2]	-16	-7
20	.976 [24.8] .898 [22.8]	1.279 [32.5] 1.201 [30.5]	1.614 [41.0] 1.582 [40.2]	2.031 [51.6] 1.969 [50.0]	-20	-8
24	1.289 [32.7] 1.211 [30.8]	1.404 [35.7] 1.326 [33.7]	1.863 [47.3] 1.831 [46.5]	1.906 [48.4] 1.844 [46.8]	-24	-9
28	1.414 [35.9] 1.336 [33.9]	1.653 [42.0] 1.575 [40.0]	2.101 [53 4] 2.069 [52.6]	1.781 [45.2] 1.719 [43.7]	-28	-10
32	1.675 [42.5] 1.573 [40.0]	1.915 [48.6] 1 813 [46 1]	2.351 [59.7] 2.319 [58.9]	1.656 [42.1] 1.594 [40.5]	-32	-11
40	1.925 [48.9] 1.823 [46.3]	2.415 [61 3] 2.313 [58.8]	2.851 [72.4] 2.819 [71.6]	1.531 [38.9] 1.469 [37.3]	-40	-12

Dimensions in brackets [ ] are in millimeters.

M85049/139, MS3420-*A

TABLE I

DASH NO.	ØE	ØF	MS3420-*A SUPERSEDES	
			AN3420	MS39057
3	.150 [3.8] .110 [2.8]	.230 [5.8] .190 [4.8]	-3A	-1
4	.240 [6.1] .200 [5.1]	.322 [8.2] .282 [7.2]	-4A	-2
6	.332 [8.4] .292 [7.4]	.447 [11.4] .407 [10.3]	-6A	-3
8	.464 [11.8] .410 [10.4]	.579 [14.7] .525 [13 3]	-8A	-4
10	.464 [11 8] 410 [10.4]	.642 [16.3] .588 [14.9]	-10A	-5
12	.568 [14.4] .514 [13.1]	.767 [19.5] .713 [18.1]	-12A	-6
16	.777 [19.7] .723 [18.4]	.954 [24.2] .900 [22.9]	-16A	-7
18	.976 [24.8] .898 [22.8]	1.142 [29.0] 1.088 [27.6]	-18A	-8
20	.976 [24.8] .898 [22.8]	1.279 [32.5] 1.201 [30.5]	-20A	-9
24	1.164 [29.6] 1.086 [27.6]	1.404 [35.7] 1.326 [33.7]	-24A	-10
28	1.289 [32.7] 1.211 [30.8]	1.653 [42.0] 1.575 [40.0]	-28A	-11
32	1.676 [42.6] 1.574 [40.0]	1.916 [48.7] 1.814 [46.1]	-32A	-12
40	1.926 [48.9] 1.824 [46.3]	2.416 [61.4] 2 314 [58 8]	-40A	-13

Dimensions in brackets [ ] are in millimeters.

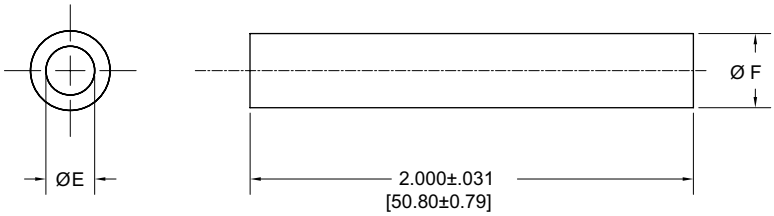
ORDERING INFORMATION

M85049/139 - 6 A

MIL-SPEC

DASH NUMBER
See Table I below.

MATERIAL
- **A** Neoprene in accordance with AMS 3208.
- **D** Silicone in accordance with AA-59588.
- **L** Fluorosilicone of fluorosilicone blend in accordance with MIL-DTL-25988.



3H

DUST CAP FOR PLUG

DCP19 AS95234/10*

AS95234/10 W 18

- **SPECIFICATION**
- **SLASH SHEET**
- **FINISH**
  See Table I on Page 3H-13.
- **SHELL SIZE**
  10SL, 14S, 16S, 16, 18, 20, 22, 24, 28, 32, 36

DCP 19 A 20 S C 08 - 04

- **DUST CAP STYLE**
  DCP Dust cap for plug.
  DCR Dust cap for receptacle.
- **MATING CONNECTOR SERIES CODE**
- **FINISH**
  See Table I on Page 3H-13.
- **SHELL SIZE**
  See Tables below.
- **MATERIAL:**
  Chain - Stainless steel
- **GASKET MATERIAL**
  See Table III on Page 3H-13.
- **ATTACHMENT CODE**
  See Table II on Page 3H-13.
- **LENGTH OF ATTACHMENT (±.250)**
  Designate in 1/2" increments
  (Always use two digits. i.e.,
  08=4 inches, 12=6 inches, etc.)
- **END FITTING DESIGNATION**
  See Tables IV & V on Page 3H-13.

FINISH/MATERIAL

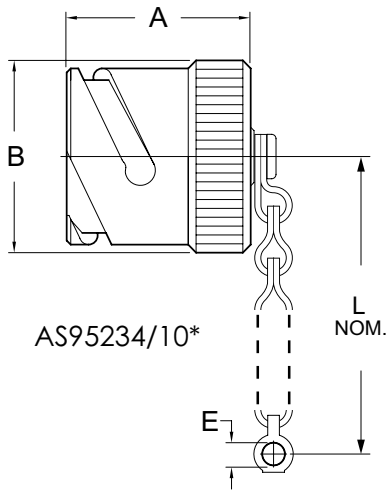
TEMPERATURE: -55°C TO +125°C
Except for "S" which is:-65°C to 175°C

Code	Finish	Material
A	Black Anodize	Aluminum
B	Cadmium, Black	Stainless Steel
S	Passivate	Stainless Steel
W	Cadmium, Olive Drab	Aluminum
X	Fluorocarbon, Nickel	Aluminum
XS	Fluorocarbon, Nickel	Stainless Steel
Y	Electro Deposited Alum.	Aluminum
YS	Electro Deposited Alum.	Stainless Steel
Z	Zinc Nickel	Aluminum
ZS	Zinc Nickel	Stainless Steel

FOR PLUGS
SCPB 26, 36

SHELL SIZE	A MAX.	B MAX.	L ±.500 [12.7]	ØE +.02 -.01 [+0.5 -0.25]
10SL	1.142 [29.0]	.827 [21.0]	4.50 [114.3]	.173 [4.4]
12S▲	1.142 [29.0]	.930 [23.6]	5.00 [127.0]	.173 [4.4]
14S	1.142 [29.0]	1.083 [27.5]		.173 [4.4]
16S	1.142 [29.0]	1.181 [30.0]		.173 [4.4]
16	1.457 [37.0]	1.181 [30.0]		.173 [4.4]
18	1.457 [37.0]	1.319 [33.5]	5.50 [139.7]	.173 [4.4]
20	1.457 [37.0]	1.457 [37.0]		.189 [4.8]
22	1.457 [37.0]	1.575 [40.0]		.189 [4.8]
24	1.457 [37.0]	1.713 [43.5]	8.25 [209.6]	.189 [4.8]
28	1.457 [37.0]	1.949 [49.5]		.189 [4.8]
32	1.457 [37.0]	2.205 [56.0]		.220 [5.6]
36	1.457 [37.0]	2.461 [62.5]		.220 [5.6]
40▲	1.457 [37.0]	2.665 [67.7]		.220 [5.6]

Dimensions in brackets [ ] are in millimeters.
▲ Not listed in AS95234.



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DUST CAP FOR RECEPTACLE

AS95234/11* DCR19

AS95234/11 W 18 N

- **SPECIFICATION**
- **SLASH SHEET**
- **FINISH** — See Table I on Page 3H-13.
- **STYLE**
  - **C** With Chain
  - **N** With Ring
- **SHELL SIZE** — **10SL, 14S, 16S, 16, 18, 20, 22, 24, 28, 32, 36**

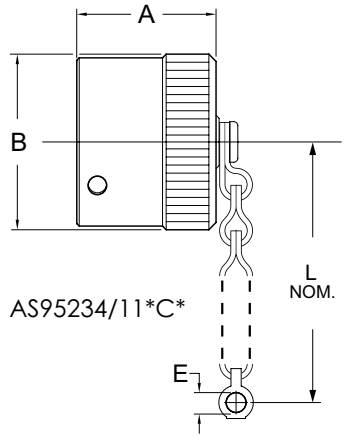
DCR 19 A 20 S C 08 - 04

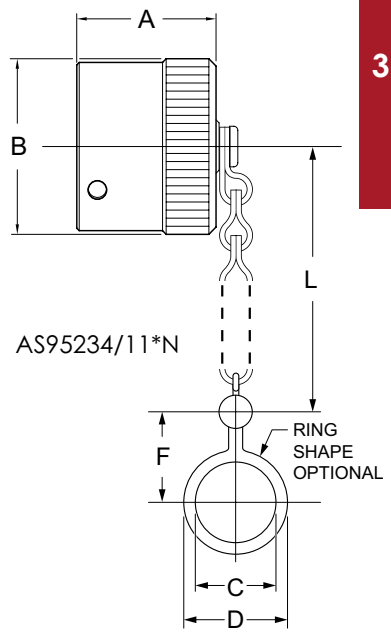
- **DUST CAP STYLE**
  - **DCP** Dust cap for plug.
  - **DCR** Dust cap for receptacle.
- **MATING CONNECTOR SERIES CODE**
- **FINISH** — See Table I on Page 3H-13.
- **SHELL SIZE** — See Tables below.
- **MATERIAL:** Cap - Aluminum alloy; Chain - Stainless steel
- **GASKET MATERIAL** — See Table III on Page 3H-13.
- **ATTACHMENT CODE** — See Table II on Page 3H-13.
- **LENGTH OF ATTACHMENT (±.250)** — Designate in 1/2" increments (Always use two digits. i.e., 08=4 inches, 12=6 inches, etc.)
- **END FITTING DESIGNATION** — See Tables IV & V on Page 3H-13.

FINISH/MATERIAL

TEMPERATURE: -55°C TO +125°C
Except for "S" which is:-65°C to 175°C

Code	Finish	Material
A	Black Anodize	Aluminum
B	Cadmium, Black	Stainless Steel
S	Passivate	Stainless Steel
W	Cadmium, Olive Drab	Aluminum
X	Fluorocarbon, Nickel	Aluminum
XS	Fluorocarbon, Nickel	Stainless Steel
Y	Electro Deposited Alum.	Aluminum
YS	Electro Deposited Alum.	Stainless Steel
Z	Zinc Nickel	Aluminum
ZS	Zinc Nickel	Stainless Steel





FOR RECEPTACLES

SCPB 13, 20, 21, 22, 23, 24, 27, 28, 30, 31, 32, 33, 34, 37, 38

SHELL SIZE	A MAX.	B MAX.	L ±.500 [12.7]	ØE +.02 -.01 [+0.5 -0.25]	ØC ±.010 [.25]	ØD ±.031 [.79]	F ±.031 [.79]
10SL	.787 [20.0]	.925 [23.5]	4.252 [108]	.173 [4.4]	.896 [22.76]	1.183 [30.05]	.844 [21.44]
14S	.787 [20.0]	1.201 [30.5]	4.252 [108]	.173 [4.4]	1.141 [28.98]	1.516 [38.51]	1.007 [25.58]
16S	.787 [20.0]	1.299 [33.0]	4.252 [108]	.173 [4.4]	1.266 [32.16]	1.641 [41.68]	1.070 [27.18]
16	.984 [25.0]	1.299 [33.0]	4.843 [123]	.173 [4.4]	1.266 [32.16]	1.641 [41.68]	1.070 [27.18]
18	.984 [25.0]	1.476 [37.5]	4.843 [123]	.173 [4.4]	1.391 [35.33]	1.766 [44.86]	1.132 [28.75]
20	.984 [25.0]	1.614 [41.0]	4.843 [123]	.173 [4.4]	1.536 [39.01]	1.898 [48.21]	1.339 [34.01]
22	.984 [25.0]	1.732 [44.0]	4.843 [123]	.173 [4.4]	1.641 [41.68]	2.015 [51.18]	1.417 [35.99]
24	.984 [25.0]	1.870 [47.5]	4.843 [123]	.173 [4.4]	1.766 [44.86]	2.125 [53.98]	1.312 [33.32]
28	.984 [25.0]	2.146 [54.5]	8.110 [206]	.220 [5.6]	2.078 [52.78]	2.453 [62.31]	1.476 [37.49]
32	.984 [25.0]	2.402 [61.0]	8.110 [206]	.220 [5.6]	2.265 [57.53]	2.645 [67.18]	1.635 [41.53]
36	.984 [25.0]	2.657 [67.5]	8.110 [206]	.220 [5.6]	2.510 [63.75]	2.890 [73.41]	1.750 [44.45]

Dimensions in brackets [ ] are in millimeters.
▲ Not listed in AS95234.

DUMMY RECEPTACLE

DRP19 AS95234/12*

DRP 19 UN A 22 S

SERIES PREFIX

MATING CONNECTOR SERIES CODE

MOUNTING HOLE
- **Blank** Thru holes.
- **FF** Metric thread.
- **UN** UNC thread.
- **FS** Metric countersink (X=90°).
- **FSM** UN countersink (X=82°).

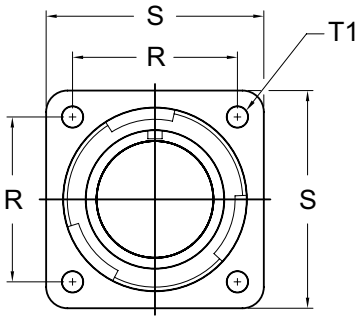
FINISH
See Table I on Page 3H-13.

SHELL SIZE
See Table below.

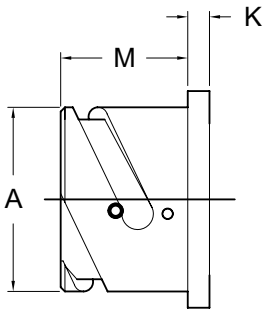
GASKET MATERIAL
See Table III on Page 3H-13.

MODIFICATION
Blank No modification.
Consult factory for codes.

FRONT VIEW

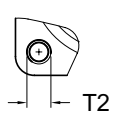


SIDE VIEW

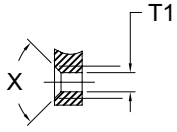


ENVIRONMENTAL WHEN USED WITH A FLANGE
SEALING GASKET SCP36675 OR SCP4050

MOUNTING HOLE OPTIONS
AVAILABLE FOR DRP SERIES



THREADED



COUNTERSINK

SHELL SIZE	FRONT VIEW					SIDE VIEW		
	R ±0.1	S ±0.3	T1 +0.1 -0.0	T2 THREAD		A +0.00 -0.15	K ±0.2	M +0.4 -0.0
				METRIC	UNC			
10SL	.717 [18.2]	1.000 [25.4]	.126 [3.2]	M4	8-32UNC	.717 [18.2]	.110 [2.8]	.559 [14.2]
12S▲	.809 [20.6]	1.100 [27.9]	.126 [3.2]	M4	8-32UNC	.836 [21.2]	.110 [2.8]	.559 [14.2]
14S	.906 [23.0]	1.181 [30.0]	.126 [3.2]	M4	8-32UNC	.969 [24.6]	.126 [3.2]	.559 [14.2]
16S	.969 [24.6]	1.280 [32.5]	.126 [3.2]	M4	8-32UNC	1.079 [27.4]	.126 [3.2]	.559 [14.2]
16	.969 [24.6]	1.280 [32.5]	.126 [3.2]	M4	8-32UNC	1.079 [27.4]	.126 [3.2]	.748 [19.0]
18	1.063 [27.0]	1.378 [35.0]	.126 [3.2]	M4	8-32UNC	1.213 [30.8]	.157 [4.0]	.748 [19.0]
20	1.157 [29.4]	1.496 [38.0]	.126 [3.2]	M4	8-32UNC	1.346 [34.2]	.157 [4.0]	.748 [19.0]
22	1.252 [31.8]	1.614 [41.0]	.126 [3.2]	M4	8-32UNC	1.472 [37.4]	.157 [4.0]	.748 [19.0]
24	1.374 [34.9]	1.752 [44.5]	.146 [3.7]	M4	10-24UNC	1.610 [40.9]	.157 [4.0]	.811 [20.6]
28	1.563 [39.7]	2.000 [50.8]	.146 [3.7]	M5	10-24UNC	1.839 [46.7]	.157 [4.0]	.811 [20.6]
32	1.752 [44.5]	2.244 [57.0]	.169 [4.3]	M5	1/4-20UNC	2.102 [53.4]	.157 [4.0]	.874 [22.2]
36	1.937 [49.2]	2.500 [63.5]	.169 [4.3]	M5	1/4-20UNC	2.346 [59.6]	.157 [4.0]	.874 [22.2]
40▲	2.185 [55.5]	2.748 [69.8]	.169 [4.3]	M5	1/4-20UNC	2.579 [65.5]	.157 [4.0]	.874 [22.2]

Dimensions in brackets [ ] are in millimeters.
▲ Insert arrangement not listed in AS95234. Available with solder contacts or removeable crimp contacts (rubber retention).

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TABLE I. FINISH CODES
CONSULT FACTORY FOR OTHER AVAILABLE FINISHES

Spacecraft Code	Finish	Specification(s)
H	Anodize, Black	AMS-A-8625, Type II, Class 2
B	Cadmium Plate, Black	AMS-QQ-P-416, Type II, Class 3
X	Cadmium Plate, Bright Over Electroless Nickel	AMS-QQ-P-416, Type I, Class 3 ASTMB 733-90, SC2, Type I, Class 5 over AMS-C-26074, Class 4, Grade B
E	Cadmium Plate, Gold Irridite, Over Electroless Nickel	MIL-C-5541, Class 3 AMS-QQ-P-416, Type II, Class 3 over AMS-C-26074, Class 4, Grade B
C	Cadmium Plate, Olive Drab	AMS-QQ-P-416, Type II, Class 3, 48 Hours
A	Cadmium Plate, Olive Drab Over Electroless Nickel	1000 Hour Corrosion Resistance
N	Electroless Nickel	AMS-C-26074, Class 4, Grade B
L	Zinc Cobalt, Dark Olive Drab	96 Hour Corrosion Resistance
P	Passivated, Stainless Steel	AMS-QQ-P-35
T	Nickel, Fluorocarbon Polymer	500 Hour Corrosion Resistance
W	Zinc Nickel, Black	ASTM B841 Type D

TABLE II. ATTACHMENT CODES

Attachment Code	Description
A	No Attachment Required
B	Bead Chain, Brass, Nickel Plated
C	Sash Chain, SST, Passivated
D	Bead Chain, SST, Passivated
E	Bead Chain, Brass, Cadmium, Olive Drab Plated
F	Bead Chain, Brass, Unfinished
I	Bead Chain, Brass, Black Oxide Finish
N	Wire Rope, No Jacket
P	Wire Rope, Polyurethane Jacket with Terminal
R	Wire Rope, SST, PVC Covered, Green Color
T	Wire Rope, SST, Teflon Covered, Natural Cover
U	Wire Rope, SST, Nylon Covered, Brown Color
V	Wire Rope, SST, Viton Covered, Black Color
W	Nylon Cord. Green Color, SST Terminal

TABLE III. GASKET MATERIAL CODES

Material Code	Material Description
A	Fluorosilicone, Blue
N	Neoprene, Black, MIL-R-3065
O	None Required
S	Silicone, Red, ZZ-R-765
C	Conductive Silicone

TABLE IV. EYELET END FITTING STYLES AND SIZES
(NOT USED WITH ATTACHMENT CODE A)

Dash No. Code	Y Ref. Dia.
00	No Eyelet
01	.125
02	.141
03	.167
04	.188
05	.219
06	.250
07	.156
08	.121

USED WITH ATTACHMENT CODES:

B, D, E, F, I | **C** | **R, T, U, V, W**

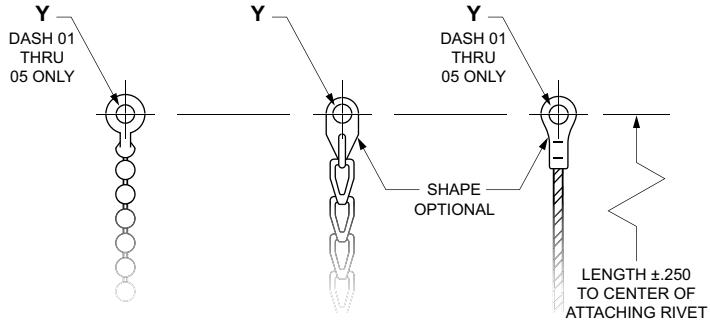


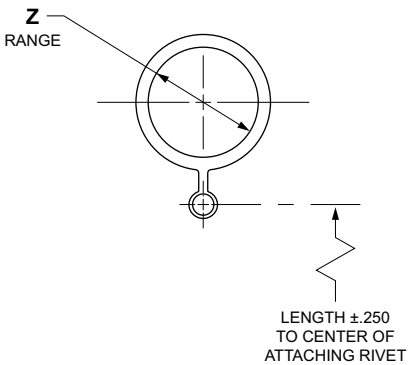
TABLE V. RING END FITTING SIZES
(NOT USED WITH ATTACHMENT CODE A)

Z RANGE	DASH NO. CODE
.401 - .391	33
.454 - 444	34
.464 - .454	35
.526 - .516	36
.604 - .584	11
.651 - .641	37
.729 - .709	12
.885 - .865	13
.906 - .896	40
.948 - .918	14
1.072 - 1.052	15
1.151 - 1.141	41
1.198 - 1.178	16

Z RANGE	DASH NO. CODE
1.276 - 1.266	42
1.322 - 1.302	17
1.401 - 1.391	43
1.448 - 1.428	18
1.546 - 1.536	44
1.572 - 1.552	19
1.651 - 1.641	45
1.698 - 1.678	20
1.776 - 1.766	46
1.822 - 1.802	21
1.948 - 1.928	22
2.026 - 2.016	23
2.088 - 2.078	24

Z RANGE	DASH NO. CODE
2.088 - 2.078	47
2.151 - 2.141	25
2.275 - 2.265	48
2.276 - 2.266	26
2.338 - 2.328	27
2.401 - 2.391	28
2.520 - 2.510	49
2.526 - 2.516	29
2.651 - 2.641	30
2.901 - 2.891	31
3.026 - 3.016	32

USED WITH ATTACHMENT CODES: B THRU W



GASKETS FOR FLANGE MOUNT RECEPTACLES

SCP40450, SCP40460

For **SCP, SWL & SWLD** Series (AS50151 Threaded & Reverse Bayonet Coupling), MIL-DTL-22992

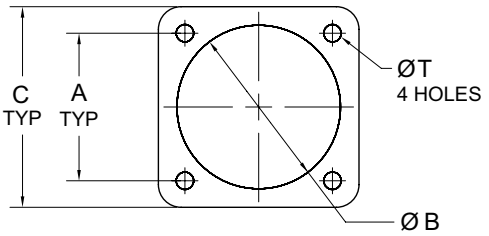
SCP40450 - 20 H

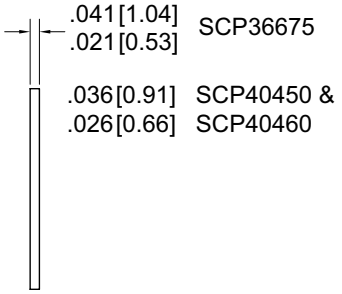
PART NUMBER

SHELL SIZE

MATERIAL

- **BLANK** Neoprene 80 shore.
- **F** Silicone.
- **FS** Silicone with shielded wire mesh.
- **H** Halogen-free.
- **S** Shielded, wire mesh.





AS50151 SHELL TYPES: MS3100*, MS3102*, MS3103*, SCP00*, SCP02*, TBF* FRONT PANEL MOUNT	AS50151 REVERSE BAYONET SHELL TYPES: SCPB00*, SCPB02*, SCPB020*, SCPBTBF* FRONT PANEL MOUNT	AS50151 REVERSE BAYONET SHELL TYPES: SCPB03*, SCPB030* REAR PANEL MOUNT	SWL SERIES SHELL TYPES: SCP1070*, SCP1072*, SCP1074*, SCP1079* FRONT PANEL MOUNT	SWLD SERIES SHELL TYPES: SCP17343, SCP17346 FRONT PANEL MOUNT	PART NUMBER (-67°F to -278°F)	PART NUMBER (0°F to +257°F) NOTE 2	A ±.010	B +.016 -.000	C +.016 -.000	ØT ±.010	ALTERNATE PART #
8S	–	–	–	–	SCP36675-8	SCP40450-8	.594 [15.09]	.500 [12.70]	.875 [22.23]	.172 [4.37]	930-0890-XXX
10S.10SL	10SL	–	10	–	SCP36675-10	SCP40450-10	.719 [18.26]	.626 [15.90]	1.000 [25.40]	.172 [4.37]	930-1090-XXX
–		10SL	–	–	–	SCP40460-10	.719 [18.26]	.717 [18.21]	1.000 [25.40]	.172 [4.37]	930-1091-XXX
12.12S	12S	–	12	–	SCP36675-12	SCP40450-12	.813 [20.65]	.750 [19.05]	1.094 [27.79]	.172 [4.37]	930-1290-XXX
–	–	12.12S	–	–	–	SCP40460-12	.813 [20.65]	.843 [21.40]	1.094 [27.79]	.172 [4.37]	930-1291-XXX
14.14S	14S	–	14	12	SCP36675-14	SCP40450-14	.906 [23.01]	.875 [22.23]	1.188 [30.18]	.172 [4.37]	930-1490-XXX
–	–	14.14S	–	–	–	SCP40460-14	.906 [23.01]	.968 [24.60]	1.188 [30.18]	.172 [4.37]	930-1491-XXX
16.16S	16S	–	16	14	SCP36675-16	SCP40450-16	.969 [24.60]	1.000 [25.40]	1.281 [32.54]	.172 [4.37]	930-1690-XXX
–	–	16.16S	–	–	–	SCP40460-16	.969 [24.60]	1.081 [27.40]	1.281 [32.54]	.172 [4.37]	930-1691-XXX
18	18	–	18	16	SCP36675-18	SCP40450-18	1.062 [27.00]	1.125 [28.58]	1.375 [34.93]	.203 [5.16]	930-1890-XXX
–	–	18	–	–	–	SCP40460-18	1.062 [27.00]	1.213 [30.80]	1.375 [34.93]	.203 [5.16]	930-1891-XXX
20	20	–	20	18	SCP36675-20	SCP40450-20	1.156 [29.36]	1.250 [31.75]	1.500 [38.10]	.203 [5.16]	930-2090-XXX
–	–	20	–	–	–	SCP40460-20	1.156 [29.36]	1.345 [34.20]	1.500 [38.10]	.203 [5.16]	930-2091-XXX
22	22	–	22	20	SCP36675-22	SCP40450-22	1.250 [31.75]	1.375 [34.93]	1.625 [41.28]	.203 [5.16]	930-2290-XXX
–	–	22	–	–	–	SCP40460-22	1.250 [31.75]	1.472 [37.40]	1.625 [41.28]	.203 [5.16]	930-2291-XXX
24	24	–	24	22	SCP36675-24	SCP40450-24	1.375 [34.93]	1.500 [38.10]	1.750 [44.45]	.203 [5.16]	930-2490-XXX
–	–	24	–	–	–	SCP40460-24	1.375 [34.93]	1.610 [40.90]	1.750 [44.45]	.203 [5.16]	930-2491-XXX
28	28	–	28	24	SCP36675-28	SCP40450-28	1.563 [39.70]	1.750 [44.45]	2.000 [50.80]	.203 [5.16]	930-2890-XXX
–	–	28	–	–	–	SCP40460-28	1.563 [39.70]	1.840 [46.70]	2.000 [50.80]	.203 [5.16]	930-2891-XXX
32	32	–	32	28	SCP36675-32	SCP40450-32	1.750 [44.45]	2.000 [50.80]	2.250 [57.15]	.219 [5.56]	930-3290-XXX
–	–	32	–	–	–	SCP40460-32	1.750 [44.45]	2.102 [53.40]	2.250 [57.15]	.219 [5.56]	930-3291-XXX
36	36	–	36	32	SCP36675-36	SCP40450-36	1.938 [49.23]	2.188 [55.58]	2.500 [63.50]	.219 [5.56]	930-3690-XXX
–	–	36	–	–	–	SCP40460-36	1.938 [49.23]	2.345 [59.60]	2.500 [63.50]	.219 [5.56]	930-3691-XXX
40	40	–	40	36	SCP36675-40	SCP40450-40	2.188 [55.58]	2.438 [61.93]	2.750 [69.85]	.219 [5.56]	930-4090-XXX
–	–	40	–	–	–	SCP40460-40	2.188 [55.58]	2.580 [65.50]	2.750 [69.85]	.219 [5.56]	930-4091-XXX
44	–	–	44	40	SCP36675-44	SCP40450-44	2.375 [60.33]	2.688 [68.28]	3.000 [76.20]	.219 [5.56]	930-4490-XXX
48	–	–	48	44	SCP36675-48	SCP40450-48	2.625 [66.68]	2.938 [74.63]	3.250 [82.55]	.219 [5.56]	930-4890-XXX

1. Dimensions in brackets [ ] are in millimeters.
2. For shielding add "S" after the part number.
3. For silicone material add "FS" after part number

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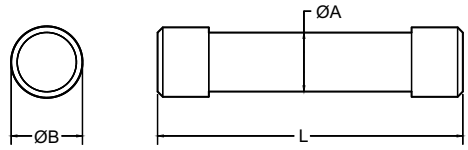
SEALING PLUG
MS25251

MS25251 - 8

MIL SPEC — **DASH NUMBER**
See Dimension Table below.



DASH NO.	MAT'L	WIRE SIZE	COLOR	ØA MAX.	ØB MAX.	L MAX.	SUPERSEDED BY REV. L
-8	NYLON	8	WHITE	.200 [5.08]	.235 [5.97]	.479 [12.17]	MS27488-8
-12	NYLON	12	YELLOW	.150 [3.81]	.187 [4.75]	.479 [12.17]	MS27488-12
-16	NYLON	16	BLUE	.115 [2.92]	.152 [3.86]	.479 [12.17]	MS27488-16
-20	NYLON	20	RED	.095 [2.41]	.122 [3.10]	.385 [9.78]	MS27488-20

Dimensions in brackets [ ] are in millimeters.

SEALING PLUG
MS27488 REV L

MS27488 - 4

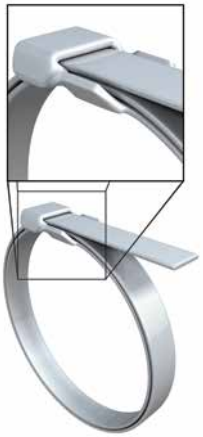
MIL SPEC — **DASH NUMBER**
See Dimension Table below.

DASH NO.	MAT'L	WIRE SIZE	COLOR	ØA MAX.	ØB MAX.	L MAX.
-0	TEFLON	0	YELLOW	.450 [11.43]	.610 [15.49]	1.010 [25.65]
-4	TEFLON	4	BLUE	.320 [8.13]	.420 [10.67]	.480 [12.19]
-8	TEFLON	8	RED	.195 [4.95]	.320 [8.13]	.480 [12.19]
-12	TEFLON	12	YELLOW	.131 [3.33]	.176 [4.47]	.584 [14.83]
-16	TEFLON	16	BLUE	.093 [2.36]	.138 [3.51]	.584 [14.83]
-20	TEFLON	20	RED	.065 [1.65]	.100 [2.54]	.584 [14.83]
-22	TEFLON	22	BLACK	.045 [1.14]	.068 [1.73]	.500 [12.70]

Dimensions in brackets [ ] are in millimeters.

M85049/128

MINI-BANDS (.115 WIDE)



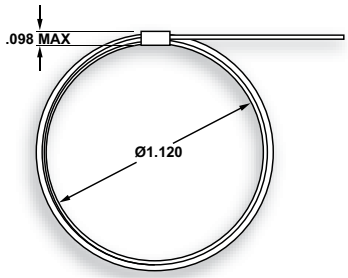
M85049/128-8

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

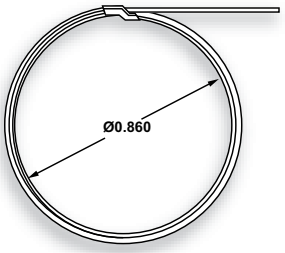
M85049/128-5 & M85049/128-6
SCPSE-04F & SCPSE-04C
TERMINATION TOOLS:
DANIELS': DBS-1201▲
SUNBANK: STS-1201▲
M81306/2-02▲

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

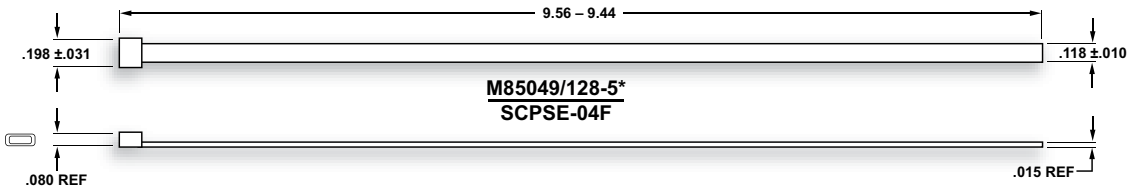
● One Step Tool
▲ Two Step Tool

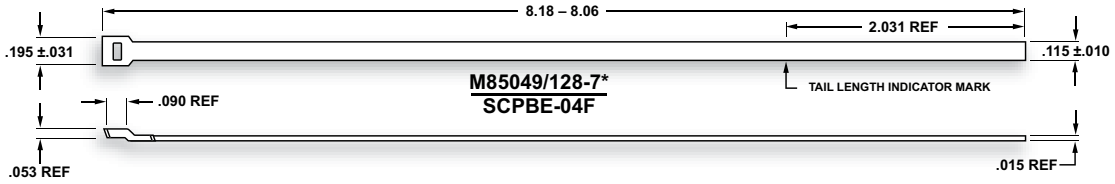


M85049/128-6*
SCPSE-04C

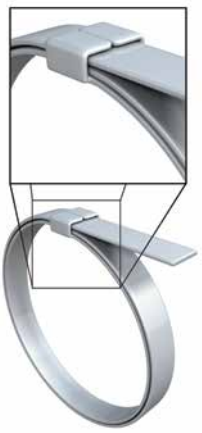


M85049/128-8*
SCPBE-04C



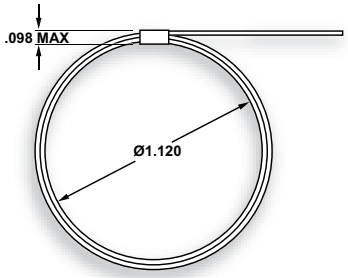


MINI-BANDS (.115 WIDE)

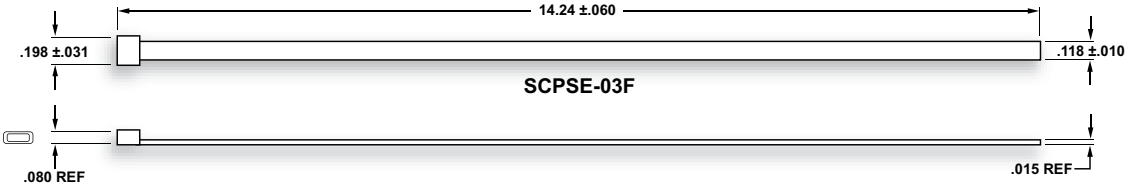


SCPSE-03F & SCPSE-03C
TERMINATION TOOLS:
DANIELS': DBS-1201▲
SUNBANK: STS-1201▲
M81306/2-02▲

▲ Two Step Tool



SCPSE-03C



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M85049/128

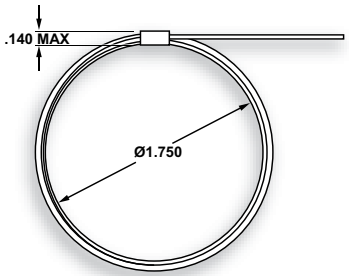
(.245 WIDE) QUARTER-INCH TERMINATION BANDS

M85049/128-2

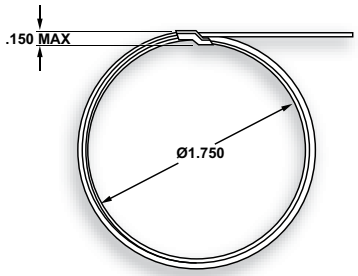
M85049/128-1 & M85049/128-2
SCPSE-02F & SCPSE-02C
TERMINATION TOOLS:
DANIELS': DBS-1101▲
SUNBANK: STS-1101▲
M81306/2-01▲

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

● One Step Tool
▲ Two Step Tool

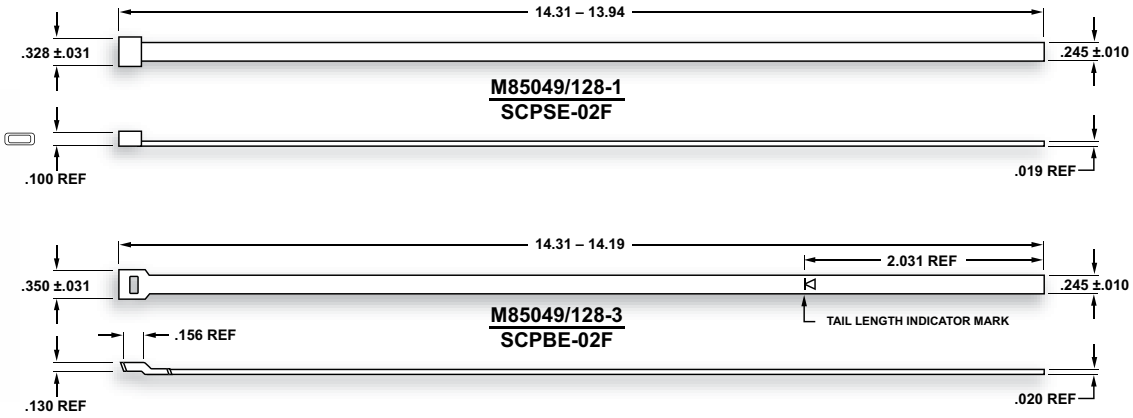


M85049/128-2
SCPSE-02C



M85049/128-4
SCPBE-02C

M85049/128-4



EMI/RFI Band Application Tooling by DMC DANIELS MANUFACTURING CORPORATION®

The termination of EMI/RFI shielding materials is a specialized science in today's aerospace wiring systems. Application tooling is a critical factor in the overall performance of the wiring system components.

DMC has worked closely with the world's leading connector accessory manufacturers to develop the necessary tooling and accessories to meet the stringent demands of aerospace and defense system contractors. The resulting products afford the user many benefits which include:

COMPATIBILITY with all currently available termination bands and systems.

RELIABILITY through the use of commercially proven components and tool design practice.

QUALITY & REPEATABILITY which are assured by a tension system.

SERVICE & CALIBRATION – All tools produced by DMC are adjustable, and may be easily checked and set by the user. Also, expendable components such as cut-off blades are available for simple replacement by the user.

LONG SERVICE LIFE – Properly maintained band application tools will produce thousands of reliable terminations.

AFFORDABILITY – DMC tools continue to be the most cost effective method to produce reliable wiring system shield terminations.

Models are available for .250 in. (6.350 mm) and .125 in. (3.175 mm) wide bands from all current suppliers to M85049/128.

THE PNEUMATIC BAND APPLICATION TOOL...

is a cost effective system that speeds production and improves ergonomic conditions which are present when manual tools are used. Band tension is precisely applied by a dependable pneumatic system which is consistent and repeatable.

The tension system of the pneumatic band tool is adjustable, and can be checked by use of the verifcation devices available from DMC. (See pages 68-69.)

The cutter blade and other components of the DMC Pneumatic Band tools are interchangeable with the same series hand tools. The rugged design and field replaceable blades make the PBT/PMBT series the best choice for production applications where EMI/RFI bands are used to terminate wire harness shielding.

THE HAND OPERATED BAND APPLICATION TOOL (REFERENCE AS81306/2)

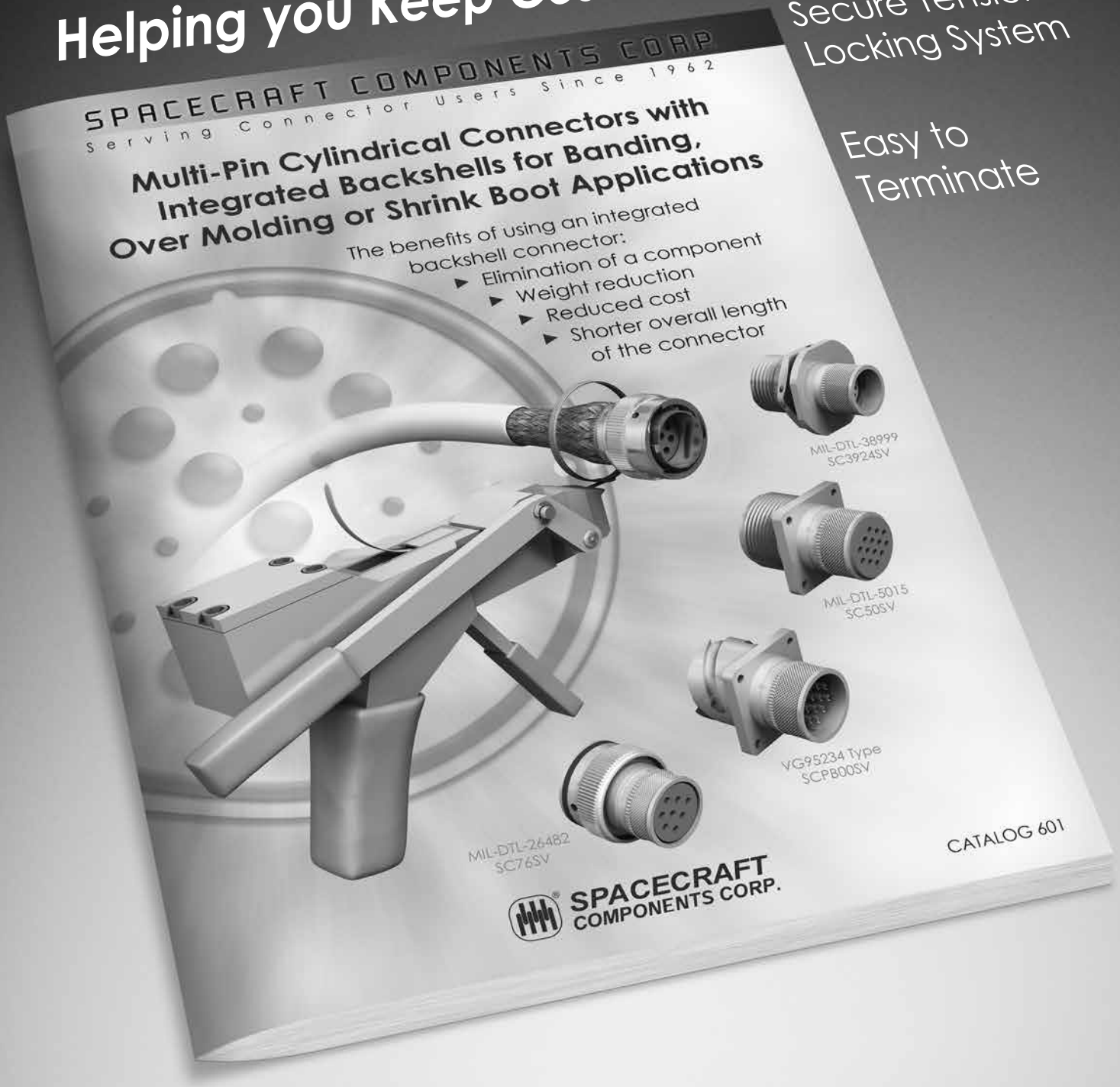
is an excellent choice for many production and maintenance operations. Like the power driven models, they too can be calibrated by the user to provide reliable terminations throughout the service life.

The lightweight construction and small "nose" profile enable the user to apply termination bands in even the tightest of working areas.

Helping you Keep Costs Down

Secure Tension Locking System

Easy to Terminate



Spacecraft has a wide range of specialized products aimed at providing our customers with solutions to a wide range of issues, whether it be harsh environments, quick connect/ disconnect needs, vibration resistance, and so much more.

Contact Spacecraft to discover what solutions we can offer you, or visit our website to view our line of specialized products.

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CROSS REFERENCE/INDEX

★ Indicates additional alpha-numerics are required to complete part numbers.
CS Contact our Sales Department for information on this part.

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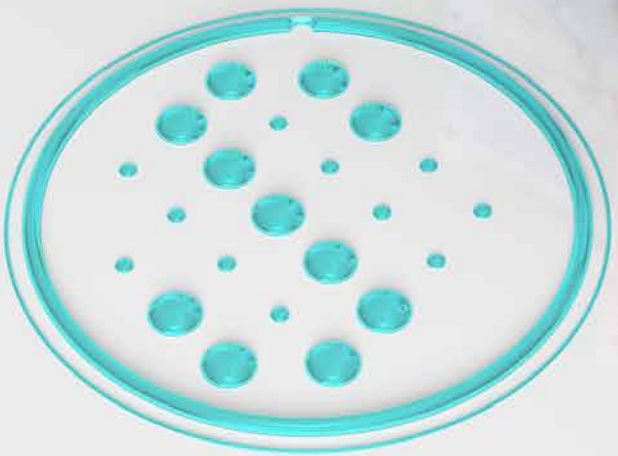

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