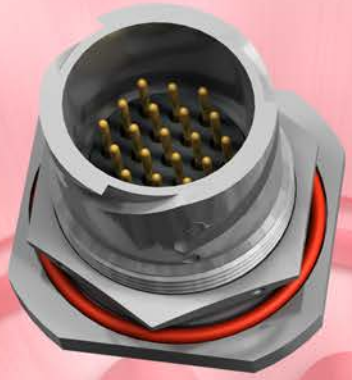
SPACECRAFT COMPONENTS CORP.

Your Connector Consultant Since 1962

AS95234 Reverse Bayonet Connectors & Accessories



Primary Markets:

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

Features:

- Metal clip contact retention
- Uses MIL-STD-1651 & VG95234 insert arrangements
- Available with solder, high amperage or AS39029 crimp contacts
- Uses M85049 accessories

SPACECRAFT COMPONENTS CORP.®

CATALOG 802

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, Corsair, Sunbank and Astro Tool Corp. 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

- AS9100/ISO 9001 Registered
- MIL-STD-790 Certified
- Technical Solutions Oriented
- A Consultative Sales Team
- Vertically Integrated
- Supporter of the Buy American Act

NSF-ISR Registered to AS9100 (with ISO 9001)

ANAB ACCREDITED ISO/IEC 17021 MANAGEMENT SYSTEMS CERTIFICATION BODY

RoHS

International Traffic in Arms Regulations ITAR Compliant

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

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.

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

Nevada Headquarters	702.851.7600
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AS95234 REVERSE BAYONET CONNECTORS

Catalog 802 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	Fluorosilicone 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

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 POLARIZATION
Omit for Normal

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.▲

▲ See Table V on Page VII.

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

Rear Threads Conform to AS31551

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

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

Rear Threads Not Defined

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

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

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

SHOWN FOR REFERENCE ONLY

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

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COMMERCIAL AS95234 ORDERING INFORMATION

SCPB 30 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.

Rear Threads Conform to AS31551

CONTACT DESIGNATOR

Code	Description	Crimp 3* Series	Solder 2* Series
A	Crimp pin contact insert less standard pin contacts.	YES	NO
B	Crimp socket contact insert less standard socket contacts.	YES	NO
C	Solder cup pin contact.	NO	YES
CR	Metric crimp for DIN wire.	NO	YES
CR1	Metric crimp for AWG wire.	NO	YES
D	Solder cup socket contact.	NO	YES
E	Thru-bulkhead fixed pin-pin contact.	YES	YES
F	Thru-bulkhead fixed socket-socket contact.	YES	YES
F80	Crimp for AWG wire.	NO	YES
G	Thru-bulkhead fixed pin-socket contact, pin facing front of receptacle. (O-Ring seal facing front.)	YES	YES
H	Thru-bulkhead fixed socket-pin contact, socket facing front. (O-Ring seal facing front.)	YES	YES
P	Crimp pin contact in accordance with M39029/44.▲	YES	NO
R1*	Socket with one (1) Spring, sizes 8, 4, 1/0, 4/0.See Table IV below.	YES	YES
R2*	Socket with two (2) Springs, sizes 8, 4, 1/0, 4/0.See Table IV below.	YES	YES
R3*	Socket with three (3) Springs, sizes 8, 4, 1/0, 4/0.See Table IV below.	YES	YES
S	Crimp socket in accordance with M39029/45.▲	YES	NO
T	Pin for R1, R2 or R3 Sockets. See Table III below.	YES	YES

* Low insertion force and high amperage.
▲ See Table V on Page VII.

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.**

TABLE I. SHELL STYLE CODE

Military 95234/	Contacts		DESCRIPTION
	Crimp	Solder	
/4	30	20	Wall mount receptacle, front panel mount
/5	33	23	Wall mount receptacle, rear panel mount
/1	31	21	In-line receptacle
/2	32	22	Box mount receptacle, front panel mount
/3	34	24	Box mount receptacle, rear panel mount
/6	36	26	Straight plug
/7	37	27	Jam nut receptacle with no rear accessory threads
/8	38	28	Jam nut receptacle with rear accessory threads
/13	13	13	Thru-bulkhead receptacle*
/9	G36	G26	Straight plug, EMI/RFI
–	–	–	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	–

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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TABLE V. INSERT & CONTACT INFORMATION

INSERT NUMBER	CONTACTS		CONTACT PART NUMBER FOR M39029/	
	QTY	SIZE	PIN STYLE P	SOCKET STYLE S
10SL-3	3	16	/44-288	/45-295
10SL-4	2	16	/44-288	/45-295
12-5	1	12	/44-290	/45-297
12S-1	2	16	/44-288	/45-295
12S-2	2	16	/44-288	/45-295
12S-3	2	16	/44-288	/45-295
12S-4	1	16	/44-288	/45-295
14-3	1	8	/44-291	/45-298
14S-1	3	16	/44-288	/45-295
14S-2	4	16	/44-288	/45-295
14S-4	1	16	/44-288	/45-295
14S-5	5	16	/44-288	/45-295
14S-6	6	16	/44-288	/45-295
14S-7	3	16	/44-288	/45-295
14S-9	2	16	/44-288	/45-295
14S-10	4	16	/44-288	/45-295
14S-11	4	16	/44-288	/45-295
14S-12	3	16	/44-288	/45-295
14S-13	3	16	/44-288	/45-295
14S-14	4	16	/44-288	/45-295
16-2	1	12	/44-290	/45-297
16-7	2 1	16 8	/44-288 /44-291	/45-295 /45-298
16-9	2 2	16 12	/44-288 /44-290	/45-295 /45-297
16-10	3	12	/44-290	/45-297
16-11	2	12	/44-290	/45-297
16-12	1	4	/44-292	/45-299
16S-1	7	16	/44-288	/45-295
16S-3	1	16	/44-288	/45-295
16S-4	2	16	/44-288	/45-295
16S-5	3	16	/44-288	/45-295
16S-6	3	16	/44-288	/45-295
16S-8	5	16	/44-288	/45-295
16S-14	3	16	/44-288	/45-295
16S-15	2	16	/44-288	/45-295
16S-16	2	16	/44-288	/45-295
16S-17	3	16	/44-288	/45-295
18-1	10	16	/44-288	/45-295
18-2	3	16	/44-288	/45-295
18-3	2	12	/44-290	/45-297
18-4	4	16	/44-288	/45-295
18-5	1 2	16 12	/44-288 /44-290	/45-295 /45-297
18-6	1	4	/44-292	/45-299
18-7	1	8	/44-291	/45-298
18-8	7 1	16 12	/44-288 /44-290	/45-295 /45-297
18-9	5 2	16 12	/44-288 /44-290	/45-295 /45-297
18-10	4	12	/44-290	/45-297
18-11	5	12	/44-290	/45-297
18-12	6	16	/44-288	/45-295
18-13	3 1	12 8	/44-290 /44-291	/45-297 /45-298
18-14	1 1	16 4	/44-288 /44-292	/45-295 /45-299
18-17	5 2	16 12	/44-288 /44-290	/45-295 /45-297
18-18	5	16	/44-288	/45-295
	2	12	/44-290	/45-297
18-19	10	16	/44-288	/45-295
18-20	5	16	/44-288	/45-295
18-21	3	12	/44-290	/45-297
18-22	3	16	/44-288	/45-295
18-23	10	16	/44-288	/45-295
18-24	10	16	/44-288	/45-295
18-25	2	12	/44-290	/45-297
18-26	2	12	/44-290	/45-297
18-27	1 2	16 12	/44-288 /44-290	/45-295 /45-297
18-28	1 2	16 12	/44-288 /44-290	/45-295 /45-297
18-29	5	16	/44-288	/45-295
18-30	5	16	/44-288	/45-295
18-31	5	16	/44-288	/45-295
20-1	14	16	/44-288	/45-295
20-2	1	1/0	/44-293	/45-300
20-3	3	12	/44-290	/45-297
20-4	4	12	/44-290	/45-297
20-5	2	16	/44-288	/45-295
20-6	3	16	/44-288	/45-295
20-7	8	16	/44-288	/45-295
20-8	4 2	16 8	/44-288 /44-291	/45-295 /45-298
20-9	7 1	16 12	/44-288 /44-290	/45-295 /45-297
20-10	4	16	/44-288	/45-295
20-11	13	16	/44-288	/45-295
20-12	1 1	16 4	/44-288 /44-292	/45-295 /45-299
20-13	4	16	/44-288	/45-295
20-14	3 2	12 8	/44-290 /44-291	/45-297 /45-298
20-15	7	12	/44-290	/45-297
20-16	7 2	16 12	/44-288 /44-290	/45-295 /45-297
20-17	1 5	16 12	/44-288 /44-290	/45-295 /45-297
20-18	6 3	16 12	/44-288 /44-290	/45-295 /45-297
20-19	3	8	/44-291	/45-298
20-20	3 1	12 4	/44-290 /44-292	/45-297 /45-299
20-21	8 1	16 12	/44-288 /44-290	/45-295 /45-297
20-22	3 3	16 8	/44-288 /44-291	/45-295 /45-298
20-23	2	8	/44-291	/45-298
20-24	2 2	16 8	/44-288 /44-291	/45-295 /45-298
20-25	13	16	/44-288	/45-295
20-26	3	12	/44-290	/45-297
20-27	14	16	/44-288	/45-295
20-29	17	16	/44-288	/45-295
20-30	13	16	/44-288	/45-295
20-31	11	16	/44-288	/45-295
20-32	8	16	/44-288	/45-295
20-33	11	16	/44-288	/45-295
22-1	2	8	/44-291	/45-298
22-2	3	8	/44-291	/45-298
22-3	1 1	16 4	/44-288 /44-292	/45-295 /45-299
22-4	2 2	12 8	/44-290 /44-291	/45-297 /45-298
22-5	4 2	16 12	/44-288 /44-290	/45-295 /45-297
22-6	1 2	16 8	/44-288 /44-291	/45-295 /45-298
22-7	1	1/0	/44-293	/45-300
22-8	2	12	/44-290	/45-297
22-9	3	12	/44-290	/45-297
22-10	4	16	/44-288	/45-295
22-11	2	16	/44-288	/45-295
22-12	3 2	16 8	/44-288 /44-291	/45-295 /45-298
22-13	1 4	16 12	/44-288 /44-290	/45-295 /45-297
22-14	19	16	/44-288	/45-295
22-15	1 5	16 12	/44-288 /44-290	/45-295 /45-297
22-16	6 3	16 12	/44-288 /44-290	/45-295 /45-297
22-17	8 1	16 12	/44-288 /44-290	/45-295 /45-297
22-18	8	16	/44-288	/45-295
22-19	14	16	/44-288	/45-295
22-20	9	16	/44-288	/45-295
22-21	2 1	16 1/0	/44-288 /44-293	/45-295 /45-300
22-22	4	8	/44-291	/45-298
22-23	8	12	/44-290	/45-297
22-24	1 5	16 12	/44-288 /44-290	/45-295 /45-297
22-25	2 1	16 1/0	/44-288 /44-293	/45-295 /45-300
22-26	5 2	16 12	/44-288 /44-290	/45-295 /45-297
22-27	8 1	16 8	/44-288 /44-291	/45-295 /45-298
22-28	7	12	/44-290	/45-297
22-29	6 1	16 4	/44-288 /44-292	/45-295 /45-299
22-30	19	16	/44-288	/45-295
22-31	2	16	/44-288	/45-295

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CRIMP, FRONT RELEASE CONTACTS

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TABLE V. INSERT & CONTACT INFORMATION

INSERT NUMBER	CONTACTS		CONTACT PART NUMBER FOR M39029/	
	QTY	SIZE	PIN STYLE P	SOCKET STYLE S
22-32	4 2	16 12	/44-288 /44-290	/45-295 /45-297
22-33	7	16	/44-288	/45-295
22-34	2 3	16 12	/44-288 /44-290	/45-295 /45-297
22-35	3	8	/44-291	/45-298
24-1	1 1	12 1/0	/44-290 /44-293	/45-297 /45-300
24-2	7	12	/44-290	/45-297
24-3	5	16	/44-288	/45-295
24-4	3 1	12 1/0	/44-290 /44-293	/45-297 /45-300
24-5	16	16	/44-288	/45-295
24-6	8	12	/44-290	/45-297
24-7	14 2	16 12	/44-288 /44-290	/45-295 /45-297
24-9	2	4	/44-292	/45-299
24-10	7	8	/44-291	/45-298
24-11	6 3	12 8	/44-290 /44-291	/45-297 /45-298
24-12	3 2	12 4	/44-290 /44-292	/45-297 /45-299
24-14	2 1	12 1/0	/44-290 /44-293	/45-297 /45-300
24-15	16	16	/44-288	/45-295
24-16	3 3 1	16 12 8	/44-288 /44-290 /44-291	/45-295 /45-297 /45-298
24-17	3 2	16 12	/44-288 /44-290	/45-295 /45-297
24-19	12	16	/44-288	/45-295
24-20	9 2	16 12	/44-288 /44-290	/45-295 /45-297
24-21	9 1	16 8	/44-288 /44-291	/45-295 /45-298
24-22	4	8	/44-291	/45-298
24-23	2 3	16 8	/44-288 /44-291	/45-295 /45-298
24-24	16	16	/44-288	/45-295
24-25	8	12	/44-290	/45-297
24-26	8	12	/44-290	/45-297
24-27	7	16	/44-288	/45-295
24-28	24	16	/44-288	/45-295
24-80	23	16	/44-288	/45-295
28-1	6 3	12 8	/44-290 /44-291	/45-297 /45-298
28-2	12	16	/44-288	/45-295
28-3	3	8	/44-291	/45-298
28-4	7 2	16 12	/44-288 /44-290	/45-295 /45-297
28-5	2 1 2	16 12 4	/44-288 /44-290 /44-292	/45-295 /45-297 /45-299
28-6	3	4	/44-292	/45-299
28-7	2	4	/44-292	/45-299
28-8	10 2	16 12	/44-288 /44-290	/45-295 /45-297
28-9	6 6	16 12	/44-288 /44-290	/45-295 /45-297
28-10	3 2 2	12 8 4	/44-290 /44-291 /44-292	/45-297 /45-298 /45-299
28-11	18 4	16 12	/44-288 /44-290	/45-295 /45-297
28-12	26	16	/44-288	/45-295
28-13	26	16	/44-288	/45-295
28-14	11	16	/44-288	/45-295
28-15	35	16	/44-288	/45-295
28-16	20	16	/44-288	/45-295
28-17	15	16	/44-288	/45-295
28-18	12	16	/44-288	/45-295
28-19	6 4	16 12	/44-288 /44-290	/45-295 /45-297
28-20	4 10	16 12	/44-288 /44-290	/45-295 /45-297
28-21	37	16	/44-288	/45-295
28-22	3 3	16 4	/44-288 /44-292	/45-295 /45-299
28-23	21 3	16 8S*	/44-288 *	/45-295 *
28-24	21 3	16 8S*	/44-288 *	/45-295 *
32-1	3 2	12 1/0	/44-290 /44-293	/45-297 /45-300
32-2	2 3	16 4	/44-288 /44-292	/45-295 /45-299
32-3	4 2 2 1	16 12 4 1/0	/44-288 /44-290 /44-292 /44-293	/45-295 /45-297 /45-299 /45-300
32-4	12 2	16 12	/44-288 /44-290	/45-295 /45-297
32-5	2	1/0	/44-293	/45-300
32-6	16 2 3 2	16 12 8 4	/44-288 /44-290 /44-291 /44-292	/45-295 /45-297 /45-298 /45-299
32-7	28 7	16 12	/44-288 /44-290	/45-295 /45-297
32-8	24 6	16 12	/44-288 /44-290	/45-295 /45-297
32-9	12 2	16 4	/44-288 /44-292	/45-295 /45-299
32-10	3 2 2	16 8 4	/44-288 /44-291 /44-292	/45-295 /45-298 /45-299
32-12	10 5	16 12	/44-288 /44-290	/45-295 /45-297
32-13	18 5	16 12	/44-288 /44-290	/45-295 /45-297
32-14	5 2	12 4	/44-290 /44-293	/45-297 /45-300
32-15	6 2	12 1/0	/44-290 /44-293	/45-297 /45-300
32-16	16 2 3 2	16 12 8 4	/44-288 /44-290 /44-291 /44-292	/45-295 /45-297 /45-298 /45-299
32-17	4	4	/44-292	/45-299
32-18	12 2	16 12	/44-288 /44-290	/45-295 /45-297
32-19	3 2	12 1/0	/44-290 /44-293	/45-297 /45-300
32-20	16 2 3 2	16 12 8 4	/44-288 /44-290 /44-291 /44-292	/45-295 /45-297 /45-298 /45-299
32-22	54	16	/44-288	/45-295
32-63	5	4	/44-292	/45-299
32-73	46	16	/44-288	/45-295
36-1	18 4	16 12	/44-288 /44-290	/45-295 /45-297
36-2	2 3	12 1/0	/44-290 /44-293	/45-297 /45-300
36-3	3 3	12 1/0	/44-290 /44-293	/45-297 /45-300
36-4	3	1/0	/44-293	/45-300
36-5	4	1/0	/44-293	/45-300
36-6	4	4	/44-292	/45-299
36-7	40 7	16 12	/44-288 /44-290	/45-295 /45-297
36-8	46 1	16 12	/44-288 /44-290	/45-295 /45-297
36-9	14 14 2 1	16 12 8 4	/44-288 /44-290 /44-291 /44-292	/45-295 /45-297 /45-298 /45-299
36-10	48	16	/44-288	/45-295
36-11	48	16	/44-288	/45-295
36-12	48	16	/44-288	/45-295
36-13	15 2	16 12	/44-288 /44-290	/45-295 /45-297
36-14	6 5 5	16 12 8	/44-288 /44-290 /44-291	/45-295 /45-297 /45-298
36-15	35	16	/44-288	/45-295
36-16	40 7	16 12	/44-288 /44-290	/45-295 /45-297
36-17	40 7	16 12	/44-288 /44-290	/45-295 /45-297

* Manufacturer supplied.

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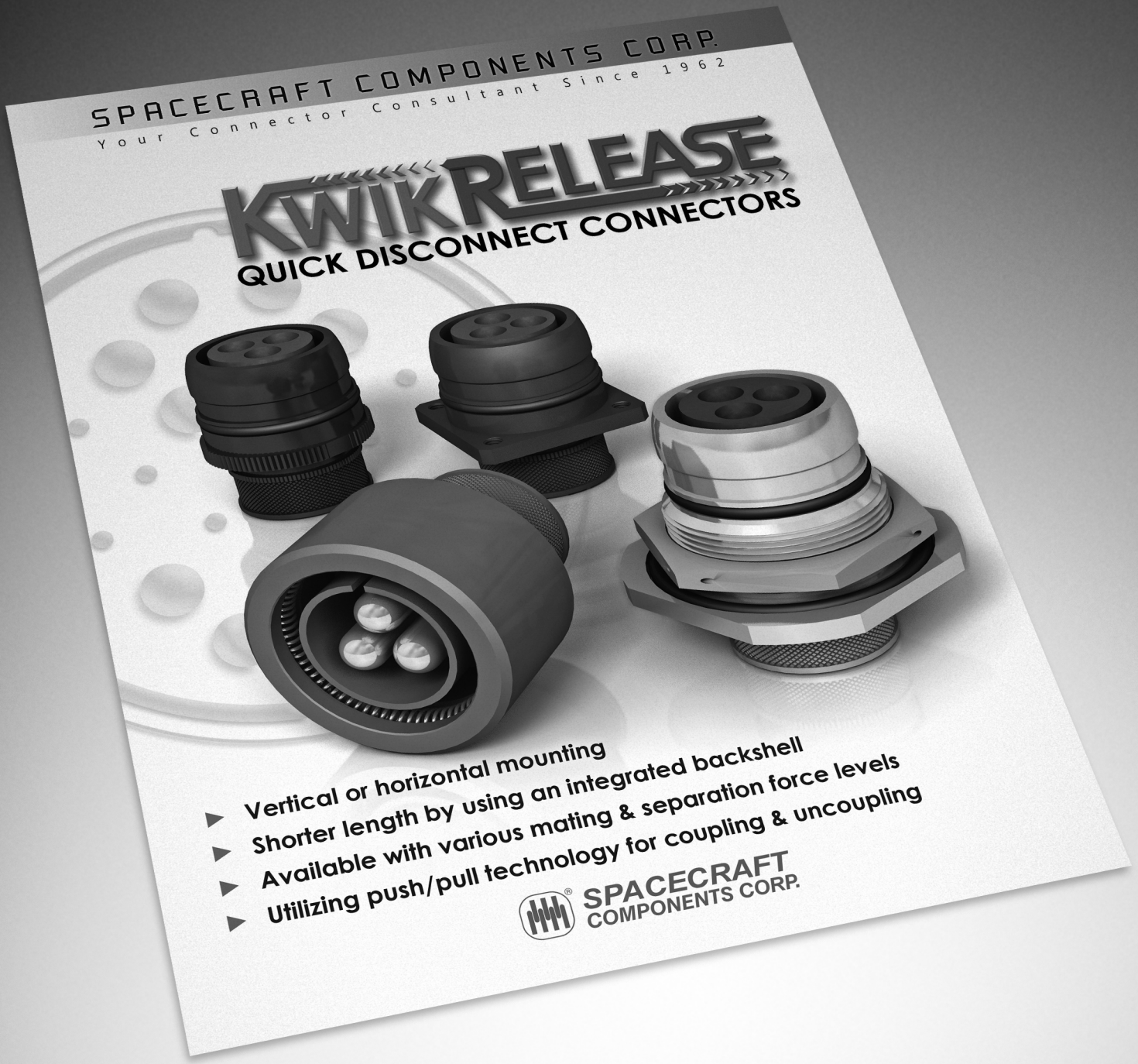
TABLE V. INSERT & CONTACT INFORMATION

INSERT NUMBER	CONTACTS		CONTACT PART NUMBER FOR M39029/	
	QTY	SIZE	PIN STYLE P	SOCKET STYLE S
36-18	14 14 2 1	16 12 8 4	/44-288 /44-290 /44-291 /44-292	/45-295 /45-297 /45-298 /45-299
36-19	10 5 1 1	16 12 4 1/0	/44-288 /44-290 /44-292 /44-293	/45-295 /45-297 /45-299 /45-300
36-20	30 2 2	16 12 8	/44-288 /44-290 /44-291	/45-295 /45-297 /45-298
36-21	14 14 2 1	16 12 8 4	/44-288 /44-290 /44-291 /44-292	/45-295 /45-297 /45-298 /45-299
36-52	50 2	16 1/0	/44-288 /44-293	/45-295 /45-300
36-66	52 4	16 12	/44-288 /44-290	/45-295 /45-297
40-1	24 6	16 12	/44-288 /44-290	/45-295 /45-297
40-2	23	16	/44-288	/45-295
40-3	18 4 1	16 12 4	/44-288 /44-290 /44-292	/45-295 /45-297 /45-299
40-4	16 2 3 2	16 12 8 4	/44-288 /44-290 /44-291 /44-292	/45-295 /45-297 /45-298 /45-299
40-5	6 4 2 3	12 8 4 1/0	/44-290 /44-291 /44-292 /44-293	/45-297 /45-298 /45-299 /45-300

INSERT NUMBER	CONTACTS		CONTACT PART NUMBER FOR M39029/	
	QTY	SIZE	PIN STYLE P	SOCKET STYLE S
40-6	24 1 1	16 12 1/0	/44-288 /44-290 /44-293	/45-295 /45-297 /45-300
40-7	18 2 2	16 12 1/0	/44-288 /44-290 /44-293	/45-295 /45-297 /45-300
40-9	24 22 1	16 12 8	/44-288 /44-290 /44-291	/45-295 /45-297 /45-298
40-10	16 9 4	16 8 4	/44-288 /44-291 /44-292	/45-295 /45-298 /45-299
40-11	18 4 1 1 1	16 12 8 4 1/0	/44-288 /44-290 /44-291 /44-292 /44-293	/45-295 /45-297 /45-298 /45-299 /45-300
40-12	22 6 1	16 12 1/0	/44-288 /44-290 /44-293	/45-295 /45-297 /45-300
40-13	23	16	/44-288	/45-295
40-14	21 10 1	16 12 1/0	/44-288 /44-290 /44-293	/45-295 /45-297 /45-300
40-56	85	16	/44-288	/45-295
40-62	60	16	/44-288	/45-295



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SECTION 1H
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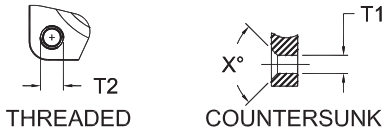
WALL MOUNT RECEPTACLE, FRONT PANEL MOUNT

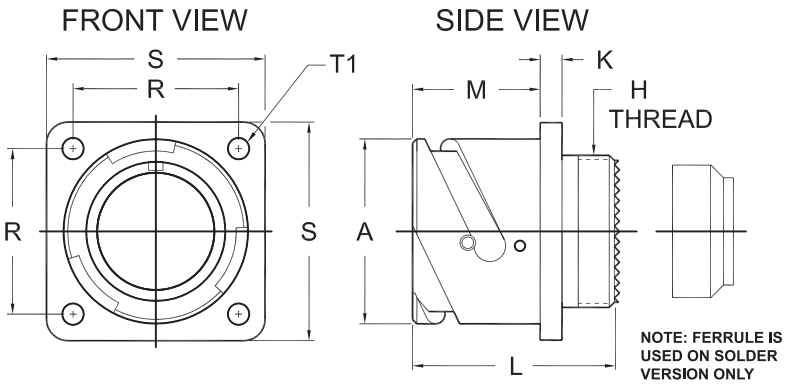
AS95234/4*

MOUNTING HOLE OPTIONS
SCPB VERSION ONLY



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 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	.717 [18.21]	1.000 [25.40]	.126 [3.20]	M4	8-32 UNC	.717 [18.21]	5/8-24 UNEF	.110 [2.79]	1.570 [39.88]	.559 [14.20]
12S▲	.809 [20.55]	1.100 [27.94]	.126 [3.20]	M4	8-32 UNC	.835 [21.21]	3/4-20 UNEF	.110 [2.79]	1.570 [39.88]	.559 [14.20]
14S	.906 [23.01]	1.181 [30.00]	.126 [3.20]	M4	8-32 UNC	.969 [24.61]	7/8-20 UNEF	.126 [3.20]	1.570 [39.88]	.559 [14.20]
16S	.969 [24.61]	1.280 [32.51]	.126 [3.20]	M4	8-32 UNC	1.079 [27.41]	1-20 UNEF	.126 [3.20]	1.570 [39.88]	.559 [14.20]
16	.969 [24.61]	1.280 [32.51]	.126 [3.20]	M4	8-32 UNC	1.079 [27.41]	1-20 UNEF	.126 [3.20]	1.850 [46.99]	.748 [19.00]
18	1.063 [27.00]	1.378 [35.00]	.126 [3.20]	M4	8-32 UNC	1.213 [30.81]	1 1/16-18 UNEF	.157 [3.99]	1.850 [46.99]	.748 [19.00]
20	1.157 [29.39]	1.496 [38.00]	.126 [3.20]	M4	8-32 UNC	1.346 [34.19]	1 3/16-18 UNEF	.157 [3.99]	1.850 [46.99]	.748 [19.00]
22	1.252 [31.80]	1.614 [41.00]	.126 [3.20]	M4	8-32 UNC	1.472 [37.39]	1 5/16-18 UNEF	.157 [3.99]	1.850 [46.99]	.748 [19.00]
24	1.374 [34.90]	1.752 [44.50]	.146 [3.71]	M4	10-24 UNC	1.610 [40.89]	1 7/16-18 UNEF	.157 [3.99]	1.850 [46.99]	.811 [20.60]
28	1.563 [39.70]	2.000 [50.80]	.146 [3.71]	M5	10-24 UNC	1.839 [46.71]	1 3/4-18 UNS	.157 [3.99]	2.100 [53.34]	.811 [20.60]
32	1.752 [44.50]	2.244 [57.00]	.169 [4.29]	M5	1/4-20 UNC	2.102 [53.39]	2-18 UNS	.157 [3.99]	2.100 [53.34]	.874 [22.20]
36	1.937 [49.20]	2.500 [63.50]	.169 [4.29]	M5	1/4-20 UNC	2.346 [59.59]	2 1/4-16 UN	.157 [3.99]	2.100 [53.34]	.874 [22.20]
40▲	2.185 [55.50]	2.752 [69.90]	.169 [4.29]	M5	1/4-20 UNC	2.579 [65.51]	2 1/2-16 UN	.157 [3.99]	2.100 [53.34]	.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*

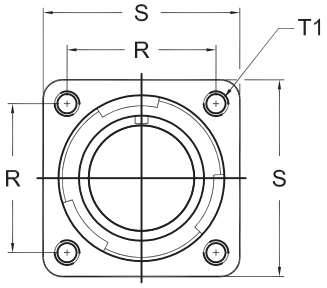
MOUNTING HOLE OPTIONS
SCPB VERSION ONLY

THREADED

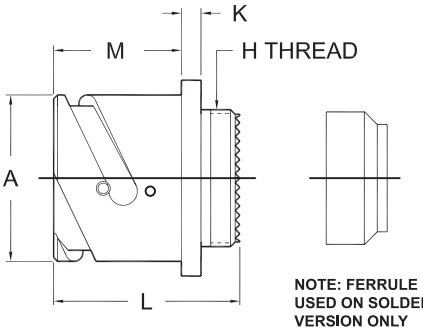
MOUNTING HOLE CODES

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 contacts

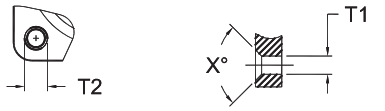
SHELL SIZE	FRONT VIEW					SIDE VIEW				
	R ±.004 [±0.10]	S ±.012 [±0.30]	T1 +.004 [+0.10] -.000 [-0.00] STYLE FP	T2 THREAD METRIC	T2 THREAD UNC	A +.000 [+0.00] -.006 [-0.15]	H THREAD CLASS 2A	K ±.008 [±0.20]	L MAX.	M +.016 [+0.41] -.000 [-0.00]
10SL	.717 [18.21]	1.000 [25.40]	.126 [3.20]	M4	8-32 UNC	0.717 [18.21]	5/8-24 UNEF	.110 [2.79]	1.570 [39.88]	.717 [18.21]
12S▲	.809 [20.55]	1.100 [27.94]	.126 [3.20]	M4	8-32 UNC	0.835 [21.21]	3/4-20 UNEF	.110 [2.79]	1.570 [39.88]	.717 [18.21]
14S	.906 [23.01]	1.181 [30.00]	.126 [3.20]	M4	8-32 UNC	0.969 [24.61]	7/8-20 UNEF	.126 [3.20]	1.570 [39.88]	.717 [18.21]
16S	.969 [24.61]	1.280 [32.51]	.126 [3.20]	M4	8-32 UNC	1.079 [27.41]	1-20 UNEF	.126 [3.20]	1.570 [39.88]	.717 [18.21]
16	.969 [24.61]	1.280 [32.51]	.126 [3.20]	M4	8-32 UNC	1.079 [27.41]	1-20 UNEF	.126 [3.20]	1.850 [46.99]	.907 [23.04]
18	1.063 [27.00]	1.378 [35.00]	.126 [3.20]	M4	8-32 UNC	1.213 [30.81]	1 1/16-18 UNEF	.157 [3.99]	1.850 [46.99]	.907 [23.04]
20	1.157 [29.39]	1.496 [38.00]	.126 [3.20]	M4	8-32 UNC	1.346 [34.19]	1 3/16-18 UNEF	.157 [3.99]	1.850 [46.99]	.907 [23.04]
22	1.252 [31.80]	1.614 [41.00]	.126 [3.20]	M4	8-32 UNC	1.472 [37.39]	1 5/16-18 UNEF	.157 [3.99]	1.850 [46.99]	.907 [23.04]
24	1.374 [34.90]	1.752 [44.50]	.146 [3.71]	M4	10-24 UNC	1.610 [40.89]	1 7/16-18 UNEF	.157 [3.99]	1.850 [46.99]	.907 [23.04]
28	1.563 [39.70]	2.000 [50.80]	.146 [3.71]	M5	10-24 UNC	1.839 [46.71]	1 3/4-18 UNS	.157 [3.99]	2.100 [53.34]	.947 [24.05]
32	1.752 [44.50]	2.244 [57.00]	.169 [4.29]	M5	1/4-20 UNC	2.102 [53.39]	2-18 UNS	.157 [3.99]	2.100 [53.34]	.947 [24.05]
36	1.937 [49.20]	2.500 [63.50]	.169 [4.29]	M5	1/4-20 UNC	2.346 [59.59]	2 1/4-16 UN	.157 [3.99]	2.100 [53.34]	.947 [24.05]
40▲	2.185 [55.50]	2.752 [69.90]	.169 [4.29]	M5	1/4-20 UNC	2.579 [65.51]	2 1/2-16 UN	.157 [3.99]	2.100 [53.34]	.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 OPTIONS
SCPB VERSION ONLY

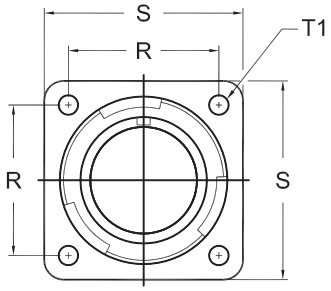


THREADED COUNTERSUNK

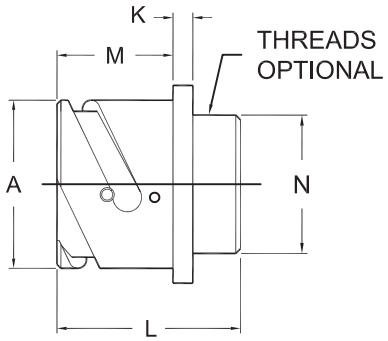
MOUNTING HOLE CODES

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°)

FRONT VIEW



SIDE VIEW



SCPB22* Environmental when used with sealing gasket, solder contacts
SCPB32* Environmental when used with sealing gasket, crimp 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	.717 [18.21]	1.000 [25.40]	.126 [3.20]	M4	8-32 UNC	.717 [18.21]	.110 [2.79]	1.087 [27.61]	.559 [14.20]	.638 [16.21]
12S▲	.809 [20.55]	1.100 [27.94]	.126 [3.20]	M4	8-32 UNC	.835 [21.21]	.110 [2.79]	1.087 [29.61]	.559 [14.20]	.750 [19.05]
14S	.906 [23.00]	1.181 [30.00]	.126 [3.20]	M4	8-32 UNC	.969 [24.61]	.126 [3.20]	1.087 [27.61]	.559 [14.20]	.756 [19.20]
16S	.969 [24.61]	1.280 [32.51]	.126 [3.20]	M4	8-32 UNC	1.079 [27.41]	.126 [3.20]	1.087 [27.61]	.559 [14.20]	.882 [22.40]
16	.969 [24.61]	1.280 [32.51]	.126 [3.20]	M4	8-32 UNC	1.079 [27.41]	.126 [3.20]	1.331 [33.81]	.748 [19.00]	.882 [22.40]
18	1.063 [27.00]	1.378 [35.00]	.126 [3.20]	M4	8-32 UNC	1.213 [30.81]	.157 [3.99]	1.331 [33.81]	.748 [19.00]	1.008 [25.60]
20	1.157 [29.39]	1.496 [38.00]	.126 [3.20]	M4	8-32 UNC	1.346 [34.19]	.157 [3.99]	1.331 [33.81]	.748 [19.00]	1.142 [29.01]
22	1.252 [31.80]	1.614 [41.00]	.126 [3.20]	M4	8-32 UNC	1.472 [37.39]	.157 [3.99]	1.331 [33.81]	.748 [19.00]	1.268 [32.21]
24	1.374 [34.90]	1.752 [44.50]	.146 [3.71]	M4	10-24 UNC	1.610 [40.89]	.157 [3.99]	1.409 [35.79]	.811 [20.60]	1.390 [35.31]
28	1.563 [39.70]	2.000 [50.80]	.146 [3.71]	M5	10-24 UNC	1.839 [46.71]	.157 [3.99]	1.409 [35.79]	.811 [20.60]	1.630 [41.40]
32	1.752 [44.50]	2.244 [57.00]	.169 [4.29]	M5	1/4-20 UNC	2.102 [53.39]	.157 [3.99]	1.469 [37.31]	.874 [22.20]	1.882 [47.80]
36	1.937 [49.20]	2.500 [63.50]	.169 [4.29]	M5	1/4-20 UNC	2.346 [59.59]	.157 [3.99]	1.469 [37.31]	.874 [22.20]	2.130 [54.10]
40▲	2.185 [55.50]	2.748 [69.80]	.169 [4.29]	M5	1/4-20 UNC	2.579 [65.51]	.157 [3.99]	1.469 [37.31]	.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

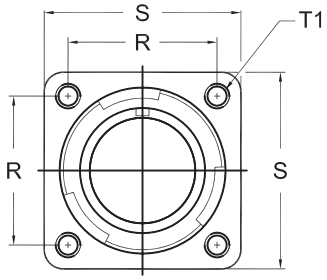
AS95234/3*

MOUNTING HOLE OPTIONS
SCPB VERSION ONLY

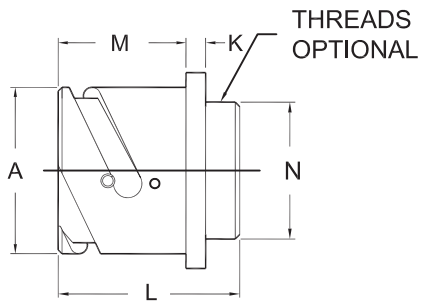
THREADED
MOUNTING HOLE CODES

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

FRONT VIEW



SIDE VIEW



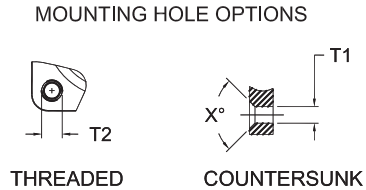
SCPB24* Environmental when used with sealing gasket, solder contacts
SCPB34* Environmental when used with sealing gasket, crimp contacts

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 ±.012 [±0.31]	M +.016 [+0.41] -.000 [-0.00]	N MAX.
10SL	.717 [18.21]	1.000 [25.40]	.126 [3.20]	M4	8-32 UNC	.717 [18.21]	.110 [2.79]	1.087 [27.61]	.717 [18.21]	.638 [16.21]
12S▲	.809 [20.55]	1.100 [27.94]	.126 [3.20]	M4	8-32 UNC	.835 [21.21]	.110 [2.79]	1.087 [27.61]	.717 [18.21]	.750 [19.05]
14S	.906 [23.01]	1.181 [30.00]	.126 [3.20]	M4	8-32 UNC	.969 [24.61]	.126 [3.20]	1.087 [27.61]	.717 [18.21]	.756 [19.20]
16S	.969 [24.61]	1.280 [32.51]	.126 [3.20]	M4	8-32 UNC	1.079 [27.41]	.126 [3.20]	1.087 [27.61]	.717 [18.21]	.882 [22.40]
16	.969 [24.61]	1.280 [32.51]	.126 [3.20]	M4	8-32 UNC	1.079 [27.41]	.126 [3.20]	1.331 [33.81]	.907 [23.04]	.882 [22.40]
18	1.063 [27.00]	1.378 [35.00]	.126 [3.20]	M4	8-32 UNC	1.213 [30.81]	.157 [3.99]	1.331 [33.81]	.907 [23.04]	1.008 [25.60]
20	1.157 [29.39]	1.496 [38.00]	.126 [3.20]	M4	8-32 UNC	1.346 [34.19]	.157 [3.99]	1.331 [33.81]	.907 [23.04]	1.142 [29.01]
22	1.252 [31.80]	1.614 [41.00]	.126 [3.20]	M4	8-32 UNC	1.472 [37.39]	.157 [3.99]	1.331 [33.81]	.907 [23.04]	1.268 [32.21]
24	1.374 [34.90]	1.752 [44.50]	.146 [3.71]	M4	10-24 UNC	1.610 [40.89]	.157 [3.99]	1.409 [35.79]	.907 [23.04]	1.390 [35.31]
28	1.563 [39.70]	2.000 [50.80]	.146 [3.71]	M5	10-24 UNC	1.839 [46.71]	.157 [3.99]	1.409 [35.79]	.947 [24.05]	1.630 [41.40]
32	1.752 [44.50]	2.244 [57.00]	.169 [4.29]	M5	1/4-20 UNC	2.102 [53.39]	.157 [3.99]	1.469 [37.31]	.947 [24.05]	1.882 [47.80]
36	1.937 [49.20]	2.500 [63.50]	.169 [4.29]	M5	1/4-20 UNC	2.346 [59.59]	.157 [3.99]	1.469 [37.31]	.947 [24.05]	2.130 [54.10]
40▲	2.185 [55.50]	2.748 [69.80]	.169 [4.29]	M5	1/4-20 UNC	2.579 [65.51]	.157 [3.99]	1.469 [37.31]	.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).

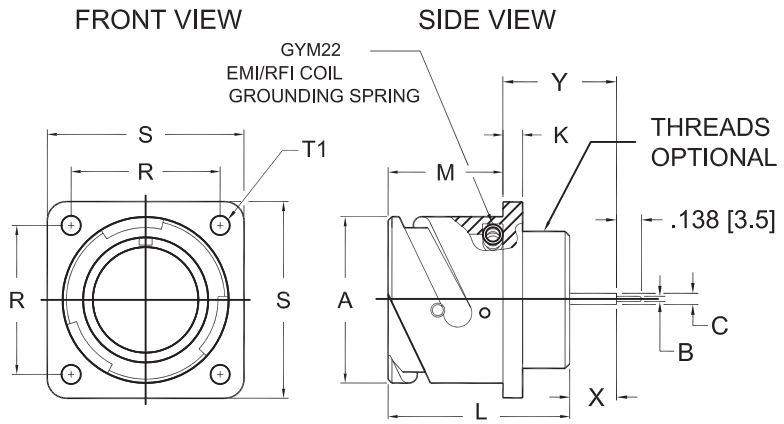
BOX MOUNT RECEPTACLE, PCB REAR PANEL MOUNT

24YM*
24YMG*



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°)



SCPBYM24* **Environmental with PC tail contacts**
SCPBYMG24* **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	.717 [18.21]	1.000 [25.40]	.126 [3.20]	M4	8-32 UNC	.717 [18.21]	.110 [2.79]	1.087 [27.61]	.717 [18.21]	***.197 [5.00]***	***.567 [14.40]***	***.260 [6.60]***	***.630 [16.00]***	***.134 [3.40]***	***.504 [12.80]***	***.071 [1.80]***	***.441 [11.20]***
12S▲	.809 [20.55]	1.100 [27.94]	.126 [3.20]	M4	8-32 UNC	.835 [21.21]	.110 [2.79]	1.087 [27.61]	.717 [18.21]	***.197 [5.00]***	***.567 [14.40]***	***.260 [6.60]***	***.630 [16.00]***	***.134 [3.40]***	***.504 [12.80]***	***.071 [1.80]***	***.441 [11.20]***
14S	.906 [23.01]	1.181 [30.00]	.126 [3.20]	M4	8-32 UNC	.969 [24.61]	.126 [3.20]	1.087 [27.61]	.717 [18.21]	***.197 [5.00]***	***.567 [14.40]***	***.260 [6.60]***	***.630 [16.00]***	***.134 [3.40]***	***.504 [12.80]***	***.071 [1.80]***	***.441 [11.20]***
16S	.969 [24.61]	1.280 [32.51]	.126 [3.20]	M4	8-32 UNC	1.079 [27.41]	.126 [3.20]	1.087 [27.61]	.717 [18.21]	.197 [5.00]	.567 [14.40]	.260 [6.60]	.630 [16.00]	***.134 [3.40]***	***.504 [12.80]***	***.071 [1.80]***	***.441 [11.20]***
16	.969 [24.61]	1.280 [32.51]	.126 [3.20]	M4	8-32 UNC	1.079 [27.41]	.126 [3.20]	1.331 [33.81]	.907 [23.04]	.197 [5.00]	.622 [15.80]	.260 [6.60]	.685 [17.40]	***.134 [3.40]***	***.559 [14.20]***	***.071 [1.80]***	***.496 [12.60]***
18	1.063 [27.00]	1.378 [35.00]	.126 [3.20]	M4	8-32 UNC	1.213 [30.81]	.157 [3.99]	1.331 [33.81]	.907 [23.04]	.197 [5.00]	.622 [15.80]	.260 [6.60]	.685 [17.40]	***.134 [3.40]***	***.559 [14.20]***	***.071 [1.80]***	***.496 [12.60]***
20	1.157 [29.39]	1.496 [38.00]	.126 [3.20]	M4	8-32 UNC	1.346 [34.19]	.157 [3.99]	1.331 [33.81]	.907 [23.04]	.197 [5.00]	.622 [15.80]	.260 [6.60]	.685 [17.40]	***.134 [3.40]***	***.559 [14.20]***	***.071 [1.80]***	***.496 [12.60]***
22	1.252 [31.80]	1.614 [41.00]	.126 [3.20]	M4	8-32 UNC	1.472 [37.39]	.157 [3.99]	1.331 [33.81]	.907 [23.04]	.197 [5.00]	.622 [15.80]	.260 [6.60]	.685 [17.40]	***.134 [3.40]***	***.559 [14.20]***	***.071 [1.80]***	***.496 [12.60]***
24	1.374 [34.90]	1.752 [44.50]	.146 [3.71]	M4	10-24 UNC	1.610 [40.89]	.157 [3.99]	1.409 [35.80]	.907 [23.04]	.197 [5.00]	.622 [15.80]	.260 [6.60]	.685 [17.40]	.134 [3.40]	.559 [14.20]	.071 [1.80]	***.496 [12.60]***
28	1.563 [39.70]	2.000 [50.80]	.146 [3.71]	M5	10-24 UNC	1.839 [46.71]	.157 [3.99]	1.409 [35.80]	.947 [24.05]	.197 [5.00]	.657 [16.69]	***.260 [6.60]***	***.720 [18.29]***	.134 [3.40]	.594 [15.09]	.071 [1.80]	***.531 [13.49]***
32	1.752 [44.50]	2.244 [57.00]	.169 [4.29]	M5	1/4-20 UNC	2.102 [53.39]	.157 [3.99]	1.469 [37.31]	.947 [24.05]	***.197 [5.00]***	***.720 [18.29]***	***.260 [6.60]***	***.783 [19.89]***	.134 [3.40]	.657 [16.69]	.071 [1.80]	.594 [15.09]
36	1.937 [49.20]	2.500 [63.50]	.169 [4.29]	M5	1/4-20 UNC	2.346 [59.59]	.157 [3.99]	1.469 [37.31]	.947 [24.05]	***.197 [5.00]***	***.720 [18.29]***	***.260 [6.60]***	***.783 [19.89]***	.134 [3.40]	.657 [16.69]	.071 [1.80]	.594 [15.09]
40▲	2.185 [55.50]	2.752 [69.90]	.169 [4.29]	M5	1/4-20 UNC	2.579 [65.51]	.157 [3.99]	1.469 [37.31]	.947 [24.05]	***.197 [5.00]***	***.720 [18.29]***	***.260 [6.60]***	***.783 [19.89]***	.134 [3.40]	.657 [16.69]	.071 [1.80]	.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).
CONSULT FACTORY.
* ±.020

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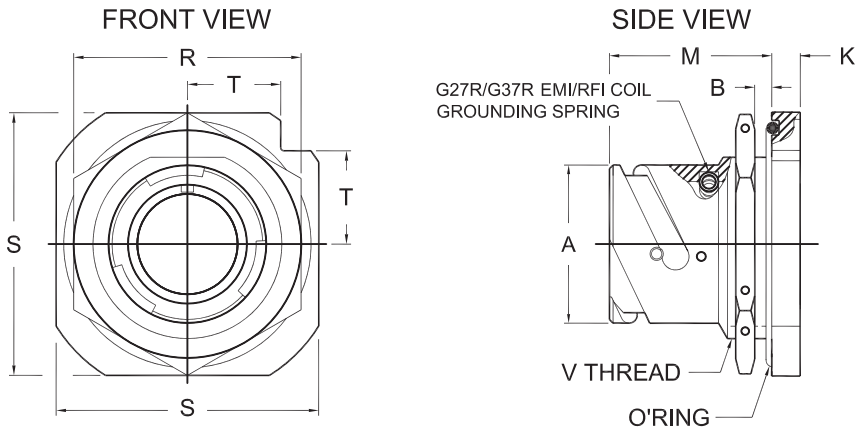
JAM NUT RECEPTACLE
AS95234/7*

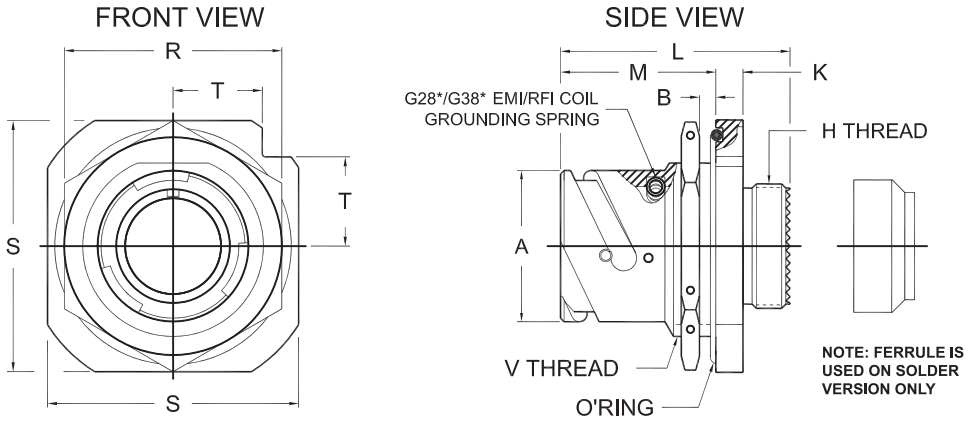


SCPB27R* **Environmental, solder contacts**
SCPBG27R* **Environmental, solder contacts with EMI/RFI grounding spring**
SCPB37R* **Environmental, crimp contacts**
SCPBG37R* **Environmental, crimp contacts with EMI/RFI grounding spring**

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]	.441 [11.20]	.717 [18.21]	.094 [2.39]	.205 [5.21]	.157 [3.99]	.965 [24.51]	7/8-20 UNEF
12S▲	1.188 [30.18]	1.374 [34.9]	.481 [12.22]	.835 [21.21]	.094 [2.39]	.205 [5.21]	.157 [3.99]	1.024 [26.01]	1-20 UNEF
14S	1.299 [32.99]	1.626 [41.30]	.575 [14.61]	.969 [24.61]	.094 [2.39]	.295 [7.49]	.189 [4.80]	1.055 [26.80]	1 1/8-18 UNEF
16S	1.500 [38.10]	1.748 [44.40]	.618 [15.70]	1.079 [27.41]	.094 [2.39]	.295 [7.49]	.189 [4.80]	1.055 [26.80]	1 1/4-18 UNEF
16	1.500 [38.10]	1.748 [44.40]	.618 [15.70]	1.079 [27.41]	.094 [2.39]	.295 [7.49]	.189 [4.80]	1.264 [32.11]	1 1/4-18 UNEF
18	1.563 [39.70]	1.874 [47.60]	.661 [16.79]	1.213 [30.81]	.094 [2.39]	.354 [8.99]	.189 [4.80]	1.327 [33.71]	1 3/8-18 UNEF
20	1.732 [43.99]	2.000 [50.80]	.709 [18.01]	1.346 [34.19]	.094 [2.39]	.354 [8.99]	.189 [4.80]	1.327 [33.71]	1 1/2-18 UNEF
22	1.811 [46.00]	2.134 [54.20]	.795 [20.19]	1.472 [37.39]	.094 [2.39]	.358 [9.09]	.189 [4.80]	1.327 [33.71]	1 5/8-18 UNEF
24	2.000 [50.80]	2.252 [57.20]	.795 [20.19]	1.610 [40.89]	.094 [2.39]	.358 [9.09]	.189 [4.80]	1.386 [35.20]	1 3/4-18 UNEF
28	2.165 [54.99]	2.500 [63.50]	.886 [22.50]	1.839 [46.71]	.094 [2.39]	.335 [8.51]	.220 [5.59]	1.386 [35.20]	2-18 UNS
32	2.441 [62.00]	2.748 [69.80]	.972 [24.69]	2.102 [53.39]	.094 [2.39]	.256 [6.50]	.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]	.094 [2.39]	.327 [8.31]	.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]	.094 [2.39]	.327 [8.31]	.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).

JAM NUT RECEPTACLE
AS95234/8*



SCPB28* **Environmental, solder contacts**
SCPBG28* **Environmental, solder contacts with EMI/RFI grounding spring**
SCPB38* **Environmental, crimp contacts**
SCPBG38* **Environmental, crimp 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.	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]	.441 [11.20]	.717 [18.21]	.094 [2.39]	.205 [5.21]	5/8-24 UNEF	.157 [3.99]	1.570 [39.88]	.965 [24.51]	7/8-20 UNEF
12S▲	1.188 [30.18]	1.374 [34.9]	.481 [12.22]	.835 [21.21]	.094 [2.39]	.295 [7.49]	3/4-20 UNEF	.157 [3.99]	1.570 [39.88]	1.055 [26.80]	1-20 UNEF
14S	1.299 [32.99]	1.626 [41.30]	.575 [14.61]	.969 [24.61]	.094 [2.39]	.295 [7.49]	7/8-20 UNEF	.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]	.618 [15.70]	1.079 [27.41]	.094 [2.39]	.295 [7.49]	1-20 UNEF	.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]	.618 [15.70]	1.079 [27.41]	.094 [2.39]	.295 [7.49]	1-20 UNEF	.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]	.661 [16.79]	1.213 [30.81]	.094 [2.39]	.354 [8.99]	1 1/16-18 UNEF	.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]	.709 [18.01]	1.346 [34.19]	.094 [2.39]	.354 [8.99]	1 3/16-18 UNEF	.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]	.795 [20.19]	1.472 [37.39]	.094 [2.39]	.358 [9.09]	1 5/16-18 UNEF	.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]	.795 [20.19]	1.610 [40.89]	.094 [2.39]	.358 [9.09]	1 7/16-18 UNEF	.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]	.886 [22.50]	1.839 [46.71]	.094 [2.39]	.358 [9.09]	1 3/4-18 UNS	.220 [5.59]	2.100 [53.34]	1.386 [35.20]	2-18 UNS
32	2.441 [62.00]	2.748 [69.80]	.972 [24.69]	2.102 [53.39]	.094 [2.39]	.256 [6.50]	2-18 UNS	.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]	.094 [2.39]	.327 [8.31]	2 1/4-16 UN	.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]	.094 [2.39]	.327 [8.31]	2 1/2-16 UN	.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).

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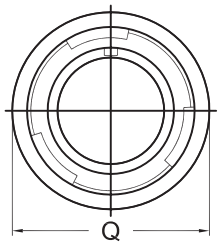
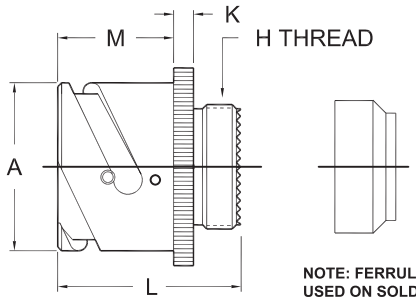
FRONT VIEW



SIDE VIEW



NOTE: FERRULE IS USED ON SOLDER VERSION ONLY

SCPB21* Environmental, solder contacts
SCPB31* Environmental, crimp 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	.886 [22.50]	.717 [18.21]	5/8-24 UNEF	.110 [2.79]	1.570 [39.88]	.559 [14.20]
12S▲	1.000 [25.40]	.835 [21.21]	3/4-20 UNEF	.110 [2.79]	1.570 [39.88]	.559 [14.20]
14S	1.161 [29.49]	.969 [24.61]	7/8-20 UNEF	.126 [3.20]	1.570 [39.88]	.559 [14.20]
16S	1.240 [31.50]	1.079 [27.41]	1-20 UNEF	.126 [3.20]	1.570 [39.88]	.559 [14.20]
16	1.240 [31.50]	1.079 [27.41]	1-20 UNEF	.126 [3.20]	1.850 [46.99]	.748 [19.00]
18	1.358 [34.49]	1.213 [30.81]	1 1/16-18 UNEF	.157 [3.99]	1.850 [46.99]	.748 [19.00]
20	1.476 [37.49]	1.346 [34.19]	1 3/16-18 UNEF	.157 [3.99]	1.850 [46.99]	.748 [19.00]
22	1.594 [40.49]	1.472 [37.39]	1 5/16-18 UNEF	.157 [3.99]	1.850 [46.99]	.748 [19.00]
24	1.752 [44.50]	1.610 [40.89]	1 7/16-18 UNEF	.157 [3.99]	1.850 [46.99]	.811 [20.60]
28	1.969 [50.01]	1.839 [46.70]	1 3/4-18 UNS	.157 [3.99]	2.100 [53.34]	.811 [20.60]
32	2.224 [56.49]	2.102 [53.39]	2-18 UNS	.157 [3.99]	2.100 [53.34]	.874 [22.20]
36	2.480 [62.99]	2.346 [59.59]	2 1/4-16 UN	.157 [3.99]	2.100 [53.34]	.874 [22.20]
40▲	2.717 [69.01]	2.579 [65.51]	2 1/2-16 UN	.157 [3.99]	2.100 [53.34]	.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).

THRU-BULKHEAD RECEPTACLE

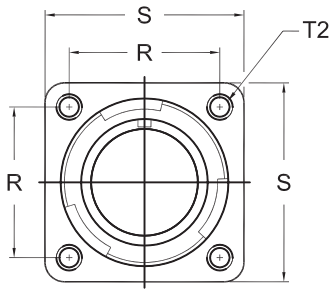
AS95234/13**E & F
AS95234/13**G & H

MOUNTING HOLE OPTIONS
SCPB VERSION ONLY

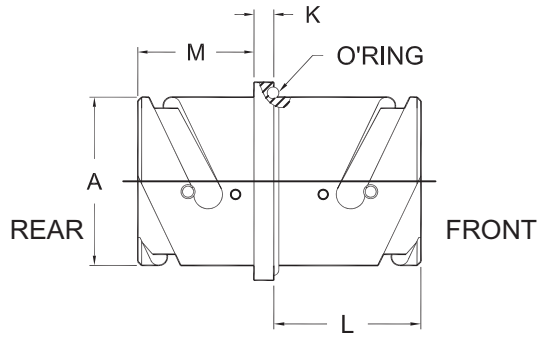
THREADED
MOUNTING HOLE CODES

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**H

Socket Side for SCPTB13**G
Pin Side for SCPTB13**H

SCPB13E*** Environmental when used with sealing gasket (pin-pin)
SCPB13F*** Environmental when used with sealing gasket (socket-socket)
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	.717 [18.21]	1.000 [25.40]	.126 [3.20]	M4	8-32 UNC	.717 [18.21]	.110 [2.79]	.807 [20.50]	.559 [14.20]
12S▲	.809 [20.55]	1.100 [27.94]	.126 [3.20]	M4	8-32 UNC	.835 [21.21]	.110 [2.79]	.807 [20.50]	.559 [14.20]
14S	.906 [23.01]	1.181 [30.00]	.126 [3.20]	M4	8-32 UNC	.969 [24.61]	.126 [3.20]	.791 [20.09]	.559 [14.20]
16S	.969 [24.61]	1.280 [32.51]	.126 [3.20]	M4	8-32 UNC	1.079 [27.41]	.126 [3.20]	.791 [20.09]	.559 [14.20]
16	.969 [24.61]	1.280 [32.51]	.126 [3.20]	M4	8-32 UNC	1.079 [27.41]	.126 [3.20]	1.150 [29.21]	.748 [19.00]
18	1.063 [27.00]	1.378 [35.00]	.126 [3.20]	M4	8-32 UNC	1.213 [30.81]	.157 [3.99]	1.118 [28.40]	.748 [19.00]
20	1.157 [29.39]	1.496 [38.00]	.126 [3.20]	M4	8-32 UNC	1.346 [34.19]	.157 [3.99]	1.118 [28.40]	.748 [19.00]
22	1.252 [31.80]	1.614 [41.00]	.126 [3.20]	M4	8-32 UNC	1.472 [37.39]	.157 [3.99]	1.118 [28.40]	.768 [19.50]
24	1.374 [34.90]	1.752 [44.50]	.146 [3.71]	M4	10-24 UNC	1.610 [40.89]	.157 [3.99]	1.055 [26.80]	.811 [20.60]
28	1.563 [39.70]	2.000 [50.80]	.146 [3.71]	M5	10-24 UNC	1.839 [46.71]	.157 [3.99]	1.055 [26.80]	.811 [20.60]
32	1.752 [44.50]	2.244 [57.00]	.169 [4.29]	M5	1/4-20 UNC	2.102 [53.39]	.157 [3.99]	0.992 [25.20]	.874 [22.20]
36	1.937 [49.20]	2.500 [63.50]	.169 [4.29]	M5	1/4-20 UNC	2.346 [59.59]	.157 [3.99]	0.992 [25.20]	.874 [22.20]
40▲	2.185 [55.50]	2.752 [69.90]	.169 [4.29]	M5	1/4-20 UNC	2.579 [65.51]	.157 [3.99]	0.992 [25.20]	.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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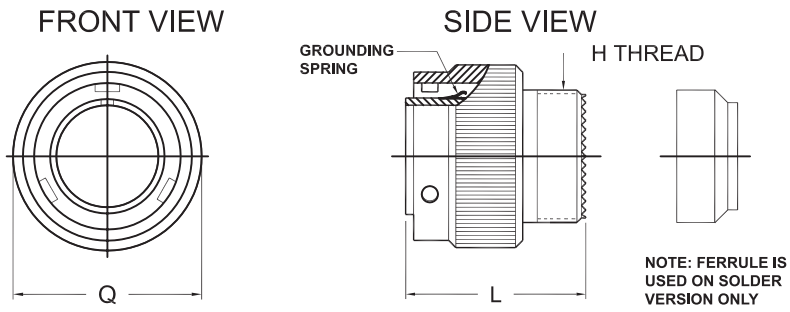
AS95234/6* STRAIGHT PLUG
STRAIGHT PLUG WITH GROUNDING SPRING
AS95234/9*



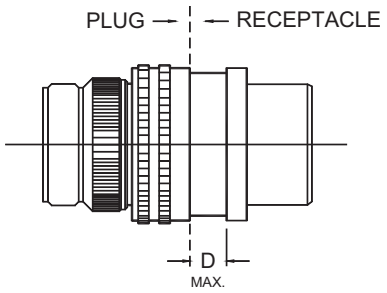
SCPB26* **Environmental, solder contacts**
SCPBG26* **Environmental, solder contacts with EMI/RFI grounding spring**
SCPB36* **Environmental, crimp contacts**
SCPBG36* **Environmental, crimp contacts with EMI/RFI grounding spring**

SHELL SIZE	FRONT VIEW	SIDE VIEW	
	Q MAX.	H THREAD CLASS 2A	L MAX.
10SL	.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).

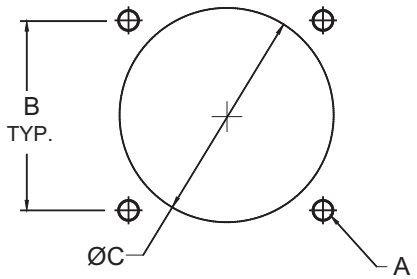
MOUNTING DATA FOR RECEPTACLES

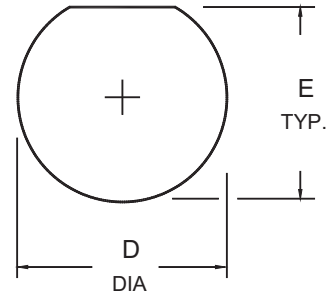
MAXIMUM PANEL THICKNESS



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 ARRANGEMENTS BY SHELL SIZE

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AS95234 INSERT ARRANGEMENTS BY SHELL SIZE

SOLDER OR CRIMP FRONT RELEASE CONTACTS

INSERT NUMBER	CODE	CONTACTS									ALTERNATE POSITIONS (Degrees)				REMARKS
		TOTAL	SIZE								W	X	Y	Z	
			#20	#18	#16	#12	#8	#4	#0	#4/0					
10SL-3	**AVX**	3			3						–	–	–	–	Position Q = 180°
10SL-4	**CVX**	2			2						–	–	–	–	
12S-1	**E**	2			2						–	–	–	–	Position #12 of 12S-3
12S-2	**E**	2			2						–	–	–	–	Position #13 of 12S-3
12S-3	**A**	2			2						70	145	215	290	
12S-4	**A**	1			1						–	–	–	–	
12S-52	**S**	4			4						–	–	–	–	
12A10	**S**	4			4						–	–	–	–	
14S-1	**EX**	3			3						–	–	–	–	Same as 14S-7
14S-2	**ANX**	4			4						–	120	240	–	
14-3	**AN**	1					1				–	–	–	–	
14S-4	**EX**	1			1						–	–	–	–	
14S-5	**ANX**	5			5						–	110	–	–	
14S-6	**ANVX**	6			6						–	–	–	–	
14S-07	**S**	7			7						–	–	–	–	Use 14SA7
14SA7	**S**	7			7						–	–	–	–	
14S-7	**AX**	3			3						90	180	270	–	Replaces: 14S-07
14S-9	**AX**	2			2						70	145	215	290	
14S-10	**C**	4			4						–	–	–	–	Position #12 of 14S-2
14S-11	**C**	4			4						–	–	–	–	Position #13 of 14S-2
14S-12	**C**	3			3						–	–	–	–	Position #12 of 14S-1
14S-13	**C**	3			3						–	–	–	–	Position #2 of 14S-1
14S-14	**C**	4			4						–	–	–	–	Position #12 of 14S-2
16S-1	**AVX**	7			7						80	–	–	280	
16-2	**AX**	1				1					–	–	–	–	
16S-3	**AX**	1			1						–	–	–	–	
16S-4	**AVX**	2			2						35	110	250	325	
16S-5	**EN**	3			3						70	145	215	290	
16S-6	**EN**	3			3						90	180	270	–	
16-7	**AVX**	3			2		1				80	110	250	280	
16S-8	**AN**	5			5						–	170	265	–	
16-9	**AX**	4			2	2					35	110	250	325	
16-10	**AVX**	3				3					90	180	270	–	
16A10	**S**	10			10						35	112	235	315	
16-11	**AVX**	2				2					35	110	250	325	
16A11	**VX**	2				2					35	110	250	325	
16-12	**AVX**	1						1			–	–	–	–	
16-13	**AN**	2				2					35	110	250	325	A = Ivon, B = Constantan
16S-14	**E**	3			3						–	–	–	–	Position #3 of 16S-5
16S-15	**E**	2			2						–	–	–	–	Position #12 of 16S-4
16S-16	**E**	2			2						–	–	–	–	Position #13 of 16S-4
18-1	**EVX**	10			10						70	145	215	290	
18-3	**EX**	2				2					35	110	250	325	
18-4	**EX**	4			4						35	110	250	325	
18-5	**EX**	3			1	2					80	110	250	280	
18-06	**S**	6			2	4					–	180	–	–	Use 18A6
18-6	**AX**	1						1			–	–	–	–	
18A6	**S**	6			2	4					–	180	–	–	

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AS95234 INSERT ARRANGEMENTS BY SHELL SIZE
SOLDER OR CRIMP FRONT RELEASE CONTACTS

continued from previous page

INSERT NUMBER	CODE	CONTACTS									ALTERNATE POSITIONS (Degrees)				REMARKS
		TOTAL	SIZE								W	X	Y	Z	
			#20	#18	#16	#12	#8	#4	#0	#4/0					
18-7	AX	1					1				–	–	–	–	
18-8	EX	8			7	1					70	–	–	290	
18-9	AVX	7			5	2					80	110	270	280	
18-10	EX	4				4					–	120	240	–	
18-11	EVX	5				5					–	170	265	–	
18-12	EX	6			6						80	–	–	280	
18-13	EVX	4				3	1				80	110	250	280	
18-14	EX	2			1			1			80	110	250	280	
18-15	EX	4				4					–	120	240	–	2 = Iron, 2 = Constantan
18-16	EN	1				1					–	–	–	–	High voltage
18-17	CN	7			5	2					–	–	–	–	100 Deg Rotation To Right of 18-9
18-18	CN	7			5	2					–	–	–	–	250 Deg Rotation To Right of 18-9
18-19	CN	10			10						–	120	240	–	
18-20	EX	5			5						90	180	270	–	
18-21	EN	3				3					70	145	215	290	
18-22	EX	3			3						70	145	215	290	
18-23	CN	10			10						–	–	–	–	Position #12 of 18-1
18-24	CN	10			10						–	–	–	–	Position #13 of 18-1
18-25	CN	2				2					–	–	–	–	Position #12 of 18-3
18-26	CN	2				2					–	–	–	–	Position #13 of 18-3
18-27	CN	3			1	2					–	–	–	–	Position #12 of 18-5
18-28	CN	3			1	2					90	180	270	–	Position #13 of 18-5
18-29	EX	5			5						90	180	270	–	
18-30	CN	5			5						–	–	–	–	Position #3 of 18-20
18-31	CN	5			5						–	–	–	–	Position #2 of 18-20
18A31	S	10			10						–	–	–	–	Position #5 of 18-1
18-2005-31	S	10			10						–	–	–	–	Position #5 of 18-1
20-1	DN	14			14						–	–	–	–	Same as 20-27
20-2	AVX	1							1		–	–	–	–	
20-3	EX	3				3					70	145	215	290	
20-4	AX	4				4					45	110	250	–	
20-5	EX	2			2						35	110	250	325	
20-6	EX	3			3						70	145	215	290	
20-7	AX	8			8						80	110	250	280	
20-8	AVX	6			4		2				80	110	250	280	
20A8	S	Consult Sales													
20B8	S	8			4	4					80	110	250	280	
20-9	AX	8			7	1					80	110	250	280	
20A9	SVX	9				9					80	–	–	280	
20-10	CN	4			4						–	–	–	–	
20-11	EX	13			13						–	–	–	–	
20-12	EX	2			1			1			80	110	250	280	
20-13	CX	4			4						–	–	–	–	
20-14	AX	5				3	2				80	110	250	280	

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AS95234 INSERT ARRANGEMENTS BY SHELL SIZE

SOLDER OR CRIMP FRONT RELEASE CONTACTS

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		TOTAL	SIZE								W	X	Y	Z	
			#20	#18	#16	#12	#8	#4	#0	#4/0					
20-15	**AX**	7				7					80	–	–	280	
20-16	**AX**	9			7	2					80	110	250	280	
20A16	**S**	13			13						–	–	–	–	Same as 20-11
20-17	**AX**	6			1	5					90	180	270	–	
20-18	**AX**	9			6	3					35	110	250	325	
20-19	**EX**	3					3				90	180	270	–	
20-20	**EX**	4				3		1			80	110	250	280	
20-21	**AX**	9			8	1					35	110	250	325	
20-22	**AX**	6			3		3				80	110	250	280	
20-23	**EX**	2					2				35	110	250	325	
20-24	**EX**	4			2		2				35	110	250	325	
20-25	**CN**	13			13						–	–	–	–	Position #12 of 20-11
20-26	**CN**	3				3					–	–	–	–	
20-27	**AX**	14			14						35	110	250	325	
20-29	**AX**	17			17						80	–	–	280	
20-30	**CN**	13			13						–	–	–	–	Position #13 of 20-11
20-31	**AX**	11			11						–	–	–	–	
20-32	**CN**	8			8						–	–	–	–	Position #2 of 20-7
20-33	**AX**	11			11						–	–	–	–	
20A48	**NV**	19			19						–	80	280	–	
20-58	**S**	10			5	5					–	–	–	–	
20-629	**S**	4			4						–	–	–	–	Same as 20-10
20-854	**S**	2				2					–	–	–	–	
20-2006-37	**S**	4				4					–	–	–	–	Position #8 of 20-4
22-1	**EVX**	2					2				35	110	250	325	
22-2	**AVX**	3					3				70	145	215	290	
22-3	**EX**	2			1			1			80	110	250	280	
22-4	**EX**	4				2	2				35	110	250	325	
22-5	**AX**	6			4	2					35	110	250	325	
22-6	**EX**	3			1		2				80	110	250	280	
22-7	**AX**	1							1		–	–	–	–	
22-8	**EX**	2				2					35	110	250	325	
22-9	**AX**	3				3					70	145	215	290	
22-10	**AX**	4			4						35	110	250	325	
22A10	**S**	10			10						–	120	240	–	
22-11	**AX**	2			2						35	110	250	325	
22-12	**AVX**	5			3		2				80	110	250	280	
22-13	**EX**	5			1	4					35	110	250	325	
22-14	**AVX**	19			19						80	110	250	280	
22-15	**AX**	6			1	5					80	110	250	280	
22-16	**EX**	9			6	3					80	110	250	280	
22-17	**AX**	9			8	1					80	110	250	280	
22-18	**AX**	8			8						80	110	250	280	
22-19	**AX**	14			14						80	110	250	280	
22-20	**EX**	9			9						35	110	250	325	

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AS95234 INSERT ARRANGEMENTS BY SHELL SIZE
SOLDER OR CRIMP FRONT RELEASE CONTACTS

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		TOTAL	SIZE								W	X	Y	Z	
			#20	#18	#16	#12	#8	#4	#0	#4/0					
22-21	AX	3			2				1		80	110	250	280	
22-22	AVX	4					4				–	110	250	–	
22B22	SVX	4					4				–	110	250	–	
22-23	AX	8				8					35	–	250	–	
22-24	EX	6			4	2					80	110	250	280	
22-25	EX	3			2				1		80	110	250	280	
22-26	DN	7			5	2					–	–	–	–	
22-27	AVX	9			8		1				80	–	250	280	
22-28	EX	7				7					80	–	–	280	
22-29	EX	7			6			1			80	110	250	280	
22-30	CN	19			19						–	–	–	–	Position #12 of 22-14
22-31	DN	2			2						–	–	–	–	Position #12 of 22-11
22-32	CN	6			4	2					–	–	–	–	Position #2 of 22-5
22-33	EX	7			7						80	110	250	280	
22-34	EX	5			2	3					80	110	250	280	
22-35	CN	3					3				–	–	–	–	
22-36	AN	8				8					90	–	270	–	
22A37	S	37		37							80	112	250	280	
22-63	S	12			8	4					–	–	–	–	
22-70	S	13			5	8					–	–	–	–	
22-82	S	10			8		2				80	110	250	280	
24-1	EX	2			1				1		80	110	250	280	
24A1	S	1							1		–	–	–	–	
24-2	AX	7				7					80	–	–	280	
24-3	EX	7			5	2					80	110	250	280	
24-4	AX	4			3				1		80	110	250	280	
24-5	AX	16			16						80	110	250	280	
24G5	S	5					5				70	110	240	270	
24-06	S	6			2		4				40	–	–	–	Use 24A6
24-6	AX	8				8					80	110	250	280	
24A6	S	6				4	2				40	–	–	–	
24C06	S	6				4	2				80	–	–	–	Use 24A6
24-07	S	7				7					80	–	–	280	Use 24A7
24-7	AX	16			14	2					80	110	250	280	
24A7	S	7				7					80	–	–	280	
24-9	EVX	2						2			35	110	250	325	
24-10	AVX	7					7				80	–	–	280	
24-11	AVX	9				6	3				35	110	250	325	
24-12	AVX	5				3		2			80	110	250	280	
24S12	S	12			10			2			–	–	–	–	
24-013	S	13			7	6					–	–	–	–	Use 24A13
24A13	S	13			7	6					–	–	–	–	
24-14	EX	3				2			1		80	110	250	280	
24S14	S	14			12			2			–	–	–	–	
24-15	CN	16			16						–	–	–	–	Position #12 of 24-5
24-16	AX	7			3	3	1				80	110	250	280	

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SOLDER OR CRIMP FRONT RELEASE CONTACTS

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		TOTAL	SIZE								W	X	Y	Z	
			#20	#18	#16	#12	#8	#4	#0	#4/0					
24-17	**EX**	5			3	2					80	110	250	280	
24-18	**CN**	4			4						–	–	–	–	Shorting type
24-19	**DN**	12			12						–	–	–	–	
24-20	**AX**	11			9	2					80	110	250	280	
24-21	**AX**	10			9		1				80	110	250	280	
24-22	**AX**	4					4				45	110	250	–	
24-23	**EX**	5			2		3				80	110	250	280	
24-24	**CN**	16			16						–	–	–	–	Position #13 of 24-5
24A24	**S**	12				12					–	–	–	–	
24-25	**CN**	8				8					–	–	–	–	Position #12 of 24-6
24A25	**S**	25			25						80	110	250	280	
24-26	**CN**	8				8					–	–	–	–	Position #13 of 24-6
24-27	**AX**	7			7						80	–	–	280	
24-28	**AVX**	24			24						80	110	250	280	
24A28	**S**	28			28						65	146	235	–	
24A35	**S**	16			14	2					–	–	–	–	Position #12 of 24-7
24A40	**S**	16			14	2					–	–	–	–	
24-58	**S**	13			7	3	3				–	–	–	–	
24-59	**S**	14			7	7					–	–	–	–	
24-65	**S**	15			4	11					–	–	–	–	
24-66	**S**	7				7					–	–	–	–	
24-67	**S**	19				19					80	–	–	335	
24-79	**S**	5					5				–	–	–	–	
24-80	**EX**	23			23						35	145	240	300	
24-2008-35	**S**	16			14	2					–	–	–	–	Position #12 of 24-7 Same as 24A35
28-1	**AX**	9				6	3				80	110	250	280	
28B1	**S**	1							1		–	–	–	–	
28-2	**AX**	14			12	2					35	110	250	325	
28-3	**AX**	3					3				70	145	215	290	
28-4	**AX**	9			7	2					80	110	250	280	
28-5	**AX**	5			2	1		2			35	110	250	325	
28-6	**EX**	3						3			70	145	215	290	
28-7	**CN**	2						2			35	110	250	325	
28-8	**AX**	12			10	2					80	110	250	280	
28-09	**S**	9			5			4			110	250	260	280	Use 28A9
28-9	**AX**	12			6	6					80	110	250	280	
28A9	**S**	9			5			4			110	250	260	280	
28-10	**AX**	7				3	2	2			80	110	250	280	
28-11	**AVX**	22			18	4					80	110	250	280	
28-12	**AX**	26			26						90	180	270	–	
28-13	**CN**	26			26						–	–	–	–	Position #12 of 28-12
28-14	**EX**	11			11						80	110	250	280	
28-15	**EX**	35			35						80	110	250	280	
28-16	**EX**	20			20						80	110	250	280	
28-17	**AX**	15			15						80	110	250	280	

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		TOTAL	SIZE								W	X	Y	Z	
			#20	#18	#16	#12	#8	#4	#0	#4/0					
28-18	AX	12			12						70	145	215	290	
28-19	AX	10			6	4					80	110	250	280	
28-20	AVX	14			4	10					80	110	250	280	
28-21	AVX	37			37						80	110	250	280	
28-22	AVX	6			3			3			70	145	215	290	
28A29	S	29			27		2				80	110	250	280	
28A31	S	31		25			6				–	–	–	–	
28A35	S	35			35						80	110	250	280	
28-51	S	12				12					80	135	195	–	
28A55	S	29			29						–	–	–	–	
28-59	S	17			10	7					–	–	–	–	
28A63	SVX	28			19	9					–	100	260	–	
28-72	S	72	72								72	144	216	288	
28-79	S	16			9		7				80	110	250	280	
28-84	S	9						9			–	–	–	–	
28-124	S	16			12		4				80	110	250	280	
32-1	AVX	5				3			2		80	110	250	280	
32A1	S	1								1	–	–	–	–	
32-2	AX	5			2			3			70	145	215	290	
32-3	AVX	9			4	2		2	1		80	110	250	280	
32A3	S	3						3			22	44	75	–	
32-4	EX	14			12	2					80	110	250	280	
32-5	EX	2							2		35	110	250	325	
32A5	S	5						5			–	–	–	–	
32-6	AVX	23			16	2	3	2			80	110	250	280	
32-7	AVX	35			28	7					80	125	235	280	
32-8	EX	30			24	6					80	125	235	280	
32A8	S	8					8				–	–	–	–	
32-9	AX	14			12			2			80	110	250	280	
32-10	EX	7			3		2	2			80	110	250	280	
32-12	EX	15			10	5					80	110	250	280	
32-013	S	13				13					65	130	230	295	Use 32A13
32-13	AX	23			18	5					80	110	250	280	
32A13	S	13				13					65	130	230	295	
32-14	EX	7				5		2			35	110	250	325	
32-15	AX	8				6			2		35	110	250	280	
32-16	CN	23			16	2	3	2			–	–	–	–	Position #12 of 32-6
32-17	AX	4						4			45	110	250	–	
32-18	CN	14			12	2					–	–	–	–	Position #12 of 32-4
32-19	CN	5				3			2		–	–	–	–	Position #2 of 32-1
32S19	S	19				19					180	–	–	–	
32-20	CN	23			16	2	3	2			–	–	–	–	Position #2 of 32-6
32-22	AX	54			54						80	110	250	280	
32A22	S	22			20				2		55	135	230	295	
32B22	S	22			20				2		55	135	230	295	
32A25	S	25				25					60	120	–	–	

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AS95234 INSERT ARRANGEMENTS BY SHELL SIZE

SOLDER OR CRIMP FRONT RELEASE CONTACTS

continued from previous page

INSERT NUMBER	CODE	CONTACTS									ALTERNATE POSITIONS (Degrees)				REMARKS
		TOTAL	SIZE								W	X	Y	Z	
			#20	#18	#16	#12	#8	#4	#0	#4/0					
32A27	S	27			17	10					30	115	285	335	
32A29	S	23			16	2	3	2			–	–	–	–	Rotation of 32-6
32A30	S	30			20	10					–	–	–	–	
32-31	S	31			31						–	–	–	–	
32A31	S	31			31						–	–	–	–	
32A40	S	40			40						35	130	–	–	
32A48	S	48			48						80	–	–	–	
32-52	S	8				6			2		–	–	–	–	90 Deg Rotation of 32-15
32A55	S	55			55						80	110	250	280	
32-59	S	42			40		2				36	108	252	324	
32-63	AX	5						5			–	–	–	–	
32A63	S	Consult Sales													
32-64	S	54			54						–	–	–	–	
32-68	S	16			12			4			65	135	225	275	
32A69	SV	61	41		20						–	110	250	–	
32-73	AX	46			46						36	–	–	–	
32-76	S	19				19					80	110	250	280	
32-79	S	5					1	4			–	–	–	315	
32-88	S	54			54						–	–	–	–	
32A401	S	40			40						–	–	–	–	
32-689	S	9			6			3			–	–	–	–	
32-2010-29	S	23			16	2	3	2			–	–	–	–	Position #13 of 32-6
32-2010-30	S	5				3			2		–	–	–	–	Position #12 of 32-1
36-01	S	1								1	–	–	–	–	Use 36A1
36A1	S	1								1	–	–	–	–	
36-1	EX	22			18	4					80	110	250	280	
36-2	CN	5				2			3		–	–	–	–	
36-3	AVX	6				3			3		70	145	215	290	
36-4	EX	3							3		70	145	215	290	
36-5	AVX	4							4		–	120	240	–	
36-6	AVX	6						4	2		35	110	250	325	
36-7	AX	47			40	7					80	110	250	280	
36-8	AX	47			46	1					80	110	250	280	
36-9	AX	31			14	14	2	1			80	125	235	280	
36-10	AVX	48			48						80	125	235	280	
36-11	CN	48			48						–	–	–	–	Position #12 of 36-10
36-12	CN	48			48						–	–	–	–	Position #13 of 36-10
36-13	EX	17			15	2					80	110	250	280	
36-14	EX	16			6	5	5				90	180	270	–	
36-15	AX	35			35						60	125	245	305	
36-16	CN	47			40	7					–	–	–	–	Position #12 of 36-7
36-17	CN	47			40	7					–	–	–	–	Position #13 of 36-7
36-18	CN	31			14	14	2	1			–	–	–	–	Position #12 of 36-9
36-19	EX	17			10	5		1	1		80	110	250	280	
36-20	C	34			30	2	2				–	–	–	–	
36-21	C	31			14	14	2	1			–	–	–	–	Position #2 of 36-9

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AS95234 INSERT ARRANGEMENTS BY SHELL SIZE
SOLDER OR CRIMP FRONT RELEASE CONTACTS

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INSERT NUMBER	CODE	CONTACTS									ALTERNATE POSITIONS (Degrees)				REMARKS
		TOTAL	SIZE								W	X	Y	Z	
			#20	#18	#16	#12	#8	#4	#0	#4/0					
36-22	S	22				22					80	110	250	280	
36A22	S	22				22					–	–	–	–	
36-35	S	36			32		4				–	–	–	–	
36A46	S	27				27					–	–	–	–	
36A48	S	48			48						–	–	–	–	
36-51	S	4						2	2		–	–	–	–	
36A51	S	6				1		2	3		45	135	225	315	
36-52	AX	52			52						72	144	216	288	
36-54	S	39			31		8				–	–	–	–	
36-66	AX	56			52	4					110	250	260	280	
36-71	S	53			50	3					–	–	–	–	
36A72	S	72		52	16	4					–	110	–	–	
36-74	S	44			43		1				–	–	–	–	
36B78	S	14			2		12				–	–	–	–	
36D78	S	14			4		10				–	–	–	–	
40-1	A	30			24	6					65	130	235	300	
40-2	A	23			23						80	110	250	280	
40S2	S	2								2	–	–	–	–	
40-3	A	23			18	4		1			80	110	250	280	
40A3	S	5				2			3		70	145	215	290	
40B3	S	3								3	45	90	270	315	
40-4	A	23			16	2	3	2			80	110	250	280	
40A4	S	6				2			4		50	120	240	325	
40B4	S	4							4		45	110	–	–	
40-5	A	15				6	4	2	3		80	110	250	280	
40A5	S	5				1		1	3		35	–	–	270	
40B5	S	5							5		–	–	–	–	
40-6	A	26			24	1			1		80	110	250	280	
40A6	S	6				6					35	110	250	280	
40-7	A	22			18	2			2		80	110	250	280	
40-8	S	8				4		4			–	–	–	–	
40A8	S	8			4			4			35	110	250	325	
40-9	A	47			24	22	1				65	125	225	310	
40-10	A	29			16		9	4			65	125	225	310	
40A10	S	8			4			4			80	135	195	–	
40-11	A	25			18	4	1	1	1		80	110	250	280	
40-12	C	29			22	6			1		–	–	–	–	
40-13	C	23			23						–	–	–	–	Position #12 of 40-2
40-14	C	32			21	10			1		–	–	–	–	
40B19	S	19					19				35	105	255	325	
40A24	S	24				16	8				80	120	245	300	
40A25	S	25				24		1			–	–	–	–	
40-26	S	26				19	7				80	110	250	280	
40A26	S	26			2	8	16				80	110	250	280	
40A27	S	27				25		2			45	110	250	315	

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AS95234 INSERT ARRANGEMENTS BY SHELL SIZE

SOLDER OR CRIMP FRONT RELEASE CONTACTS

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		TOTAL	SIZE								W	X	Y	Z	
			#20	#18	#16	#12	#8	#4	#0	#4/0					
40S27	S	60			60						–	–	–	–	
40-31	S	31				31					80	110	250	280	
40-35	S	35				35					70	130	230	290	
40B37	S	37				37					30	135	–	–	
40A38	S	38				38					37	74	285	322	
40-47	S	47			24	22	1				65	125	225	310	
40A51	S	31			16		15				–	–	–	–	
40-53	S	60			60						80	110	250	280	
40-56	A	85			85						72	144	216	288	
40A56	S	85			85						72	144	216	288	
40N56	S	85			85						72	144	216	288	
40-57	S	4							4		–	–	–	–	
40-60	S	6							6		80	110	250	280	
40-62	A	60			60						30	130	220	290	
40A62	S	62			60		2				80	130	230	280	
40-63	S	61			61						80	–	–	280	
40A65	S	65			65						70	145	215	285	
40-67	S	11			1			10			–	–	–	–	
40-68	S	21					21				–	–	–	–	
40-70	S	61			61						–	–	–	–	
40A75	S	75			73		2				–	–	–	–	
40-80	S	11			1			10			–	–	–	–	
40-82	S	62			62						–	–	–	–	
40-87	S	7						7			–	–	–	–	
40-150	S	150		150							–	–	–	–	
40A150	S	150		150							–	–	–	–	
40-251	S	51				26	25				–	–	–	–	
40-951	S	51				26	25				–	–	–	–	

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A thermocouple is essentially a pair of wires of dissimilar metals connected at both ends. When the two junctions are subjected to different temperatures, an electrical potential is set up between them, almost directly proportional to the temperature difference. A voltage measuring instrument in the circuit can thus measure temperature. Because thermocouple junctions can withstand higher temperatures than the connectors used in conjunction with them, care must be taken to isolate the connectors. While contacts can withstand temperatures shown in the following table, standard insert materials can withstand only 257°F continuous operation. However, special dielectrics and shell finishes can extend the usable connector range above 500°F.

THERMOCOUPLE LIMITS

COMBINATION	CONDITIONS	TEMPERATURE RANGE
Copper-Constantan (Note 1)	Material has good resistance to corrosion with long life and stable calibration.	Thermocouple Junction: Below 500°F Connector Contacts: 400°F
Iron-Constantan (Note 1)	Material can be used in either oxidizing or reducing atmospheres. It is not recommended for low temperatures and in the presence of moisture due to the rusting of the iron.	Thermocouple Junction: 500°F to 1200°F Connector Contacts: *600°F
Chromel-Alumel (Note 1)	Material is good for high temperature work and is more stable than iron and constantan combinations.	Thermocouple Junction: High Temperature Connector Contacts: *400°F

* These contacts can withstand higher temperatures but have not been tested because the general line of connectors will not withstand such temperatures in continuous operation.
(Note 1) - These are registered Trade names of the Hoskins Corporation.

THERMOCOUPLE MATERIALS

CONTACT DESIGNATION	MATERIAL	ASTM-E230 SPECIFICATIONS	Polarity	MAGNETISM
Alumel (Al) (Note 1)	94% Nickel; 2.5% Manganese; 2% Aluminum; 1% Silicone; ½% Iron	Type KN	Negative	Magnetic
Constantan (Co) (Note 1)	45% to 60% Copper; 40% to 55% Nickel; 0 to 1.4% Manganese; 0.1% Iron	Type JN	Negative	Non-Magnetic
Copper (Cu) (Note 1)	87.5 to 90% Copper; 1.8 to 2.2% Lead; .1% Iron; 5% Nickel; .5% normal impurities and balance zinc	Type T	Positive	Non-Magnetic
Iron (Ir) (Note 1)	84.4% Iron; 2% Carbon; 3% manganese; 6% Phosphorus; 2% Sulphur; 4% Silicone; 8.1% Copper; 9% Tin (Cadmium plated for corrosion resistance)	Type JP	Positive	Magnetic
Chromel P (Ch) (Note 1)	90% Nickel; 10% Chromium	Type KP	Positive	Non-Magnetic

(Note 1) - These are registered Trade names of the Hoskins Corporation.

CONTACT COLOR CODING

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

For solder thermocouple contacts, see page 9A-3 in Catalog 102.
For crimp thermocouple contacts, see pages 9A-4 thru 9A-7 in Catalog 102.

CRIMP CONTACT ADAPTER

FOR WIRE SIZE SMALLER/LARGER THAN CONTACT

907-2*** SERIES

ORDERING INFORMATION

907 - 2 XXX - XXX

SERIES PREFIX

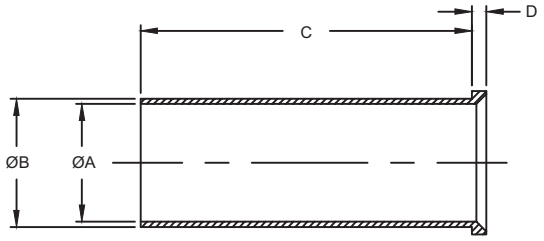
STYLE
- **1** For wire size larger than contact.
- **2** For wire size smaller than contact.

DESCRIPTIVE NUMBER

MATERIAL /FINISH
- **-100** Unplated.
- **-110** Brass, Silver over nickel.
- **-140** Brass, Light gold over nickel.
- **-142** Brass, Heavy gold over nickel.

* Material/finish codes -000 & -011 are obsolete. Both replaced by -110.

Material: Copper Alloy.



PART NUMBER	MIL - SPEC		CRIMP BARREL WIRE SIZE	WIRE SIZE AWG	WIRE SIZE SQ. MM	A +.0020 -.0035	B +.0025 -.0030	C ±.015	D ±.005
	MS3348	AS39029 /112							
907-2005-XXX	–	–	20	26	0.14	.023	.042	.120	.015
907-2011-XXX	–	–	20	26	0.14	.023	.042	.120	.015
907-2010-XXX	–	–	20	24-30	0.25-0.05	.027	.042	.120	.015
907-2012-XXX	–	–	16	–	0.12	.033	.063	.230	.015
907-2013-XXX	–	–	16	26	0.14	.033	.063	.230	.015
907-2016-XXX	–	–	16	24	0.25	.035	.063	.230	.015
907-2020-XXX	–	–	16	22-24	0.34	.035	.063	.230	.015
907-2021-XXX	–	–	16	22	0.34	.043	.063	.230	.015
907-2022-XXX	–	–	16	22	0.34	.035	.063	.190	.015
907-2025-XXX	–	–	16	22	0.34	.043	.059	.149	.015
907-2030-XXX	–	–	16	20	0.50	.046	.063	.230	.015
907-2037-XXX	–	–	14	22	0.34	.043	.070	.230	.015
907-2038-XXX	–	–	12	20	0.50	.046	.094	.221	.015
907-2039-XXX	–	–	12	18	0.75	.065	.094	.221	.015
907-2040-XXX	–	–	12	16	1.50	.069	.094	.230	.015
907-2041-XXX	–	–	12	18	0.75	.054	.094	.221	.015
907-2043-XXX	–	–	6.0 MM	–	1.50	.068	.140	.230	.015
907-2045-XXX	–	–	6.0 MM	–	2.50	.086	.140	.230	.015
907-2049-XXX	–	–	8	18	0.75	.065	.173	.380	.031
907-2050-XXX	–	–	8	16	1.50	.069	.173	.380	.031
907-2051-XXX	–	–	8	16	1.50	.072	.173	.422	.031
907-2053-XXX	–	–	8	14	2.50	.086	.173	.422	.031
907-2055-XXX	–	–	8	14	2.50	.086	.173	.422	.031
907-2056-XXX	–	–	8	12	3.00	.111	.173	.380	.031
907-2060-XXX	–	–	8	12	3.00	.111	.173	.380	.031
907-2061-XXX	–	–	8	12	3.00	.111	.173	.380	.031
907-2062-XXX	–	–	8	12	3.00	.111	.178	.380	.031
907-2068-XXX	–	–	8	10	6.00	.126	.175	.380	.031
907-2070-XXX	-8-10	–	8	10	6.00	.136	.173	.380	.031
907-2071-XXX	–	-8-10	8	10	6.00	.144	.173	.380	.031
907-2072-XXX	–	–	8	10	6.00	.136	.173	.422	.031
907-2073-XXX	–	–	8SP	12	3.00	.100	.130	.422	.031
907-2077-XXX	–	–	10 MM	12	3.00	.100	.173	.422	.031
907-2080-XXX	-6-10L	-6-10L	6	10	6.0	.136	.225	.700	.031
907-2090-XXX	-6-9L	-6-9L	6	9	–	.155	.225	.700	.031
907-2100-XXX	-6-8L	-6-8L	6	8	10.0	.185	.225	.700	.031
907-2102-XXX	–	–	16 MM	–	2.5	.086	.240	.480	.031
907-2103-XXX	–	–	16 MM	–	4.0	.111	.240	.480	.031
907-2105-XXX	–	–	16 MM	10	6.0	.144	.240	.480	.031
907-2107-XXX	–	–	16 MM	8	10.0	.185	.240	.480	.031
907-2108-XXX	–	–	4	10	6.0	.136	.272	.373	.031
907-2109-XXX	–	–	4	10	6.0	.144	.272	.380	.031
907-2110-XXX	–	–	4	8	10.0	.185	.272	.380	.031

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CRIMP CONTACT ADAPTER

FOR WIRE SIZE SMALLER/LARGER THAN CONTACT

907-2*** SERIES

PART NUMBER	MIL - SPEC		CRIMP BARREL WIRE SIZE	WIRE SIZE AWG	WIRE SIZE SQ. MM	A +.0020 -.0035	B +.0025 -.0030	C ±.015	D ±.005
	MS3348	AS39029 /112							
907-2111-XXX	-4-8L	-4-8L	4	8	10.0	.185	.272	.700	.031
907-2112-XXX	–	–	4	8	10.0	.197	.272	.380	.031
907-2113-XXX	–	–	4	5	15.0	.197	.272	.380	.031
907-2114-XXX	–	–	4	8	10.0	.197	.272	.380	.031
907-2117-XXX	–	–	4	6	16.0	.225	.272	.422	.031
907-2118-XXX	–	–	4	12	4.0	.101	.272	.240	.031
907-2119-XXX	-4-6L	-4-6L	4	6	2.5	.235	.272	.700	.031
907-2120-XXX	-4-6	-4-6	4	6	16.0	.225	.272	.380	.031
907-2130-XXX	–	–	4	6	16.0	.225	.272	.700	.031
907-2140-XXX	-4-5L	-4-5L	4	5	15.0	.250	.272	.700	.031
907-2150-XXX	–	–	4	5	15.0	.242	.272	.380	.031
907-2152-XXX	–	–	4	5	15.0	.240	.272	.440	.031
907-2153-XXX	–	–	4	6	16.0	.244	.272	.440	.031
907-2154-XXX	–	–	4	313 MCM	–	.730	.823	–	–
907-2155-XXX	–	–	25 MM	10	6.0	.144	.300	.480	.031
907-2156-XXX	–	–	25 MM	6	16.0	.244	.300	.480	.031
907-2158-XXX	–	–	2	4	25.0	.281	.347	.480	.031
907-2159-XXX	–	–	35 MM	25 MM	–	.305	.347	.480	.031
907-2160-XXX	-1-6L	-1-6L	1	6	16.0	.225	.396	.700	.031
907-2165-XXX	–	–	1	6	16.0	.250	.396	.700	.031
907-2168-XXX	–	–	1	4	–	.299	.396	.700	.031
907-2170-XXX	-1-2L	-1-2L	1	2	35.0	.359	.396	.700	.031
907-2171-XXX	–	–	50 MM	4	25.0	.300	.415	.600	.031
907-2172-XXX	–	–	1/0	10	6.0	.136	.444	.644	.031
907-2173-XXX	–	–	1/0	8	9.0	.185	.444	.644	.031
907-2174-XXX	–	–	1/0	8	10.0	.197	.444	.644	.031
907-2175-XXX	–	–	1/0	6	16.0	.225	.444	.644	.031
907-2176-XXX	–	–	1/0	6	16.0	.244	.444	.536	.031
907-2178-XXX	–	–	1/0	–	20.0	.195	.444	.536	.031
907-2179-XXX	–	–	1/0	4	25.0	.307	.444	.536	.031
907-2180-XXX	–	–	1/0	4	25.0	.299	.444	.536	.031
907-2181-XXX	–	–	1/0	8	10.0	.197	.444	.500	.031
907-2182-XXX	–	–	1/0	2	35.0	.244	.444	.500	.031
907-2183-XXX	–	–	1/0	4	25.0	.307	.444	.500	.031
907-2184-XXX	–	–	1/0	2	35.0	.354	.444	.500	.031
907-2185-XXX	–	–	1/0	–	50.0	.421	.444	.500	.031
907-2186-XXX	–	–	1/0	2	35.0	.359	.444	.664	.031
907-2187-XXX	–	–	1/0	4	25.0	.282	.444	.664	.031
907-2188-XXX	–	–	1/0	4	25.0	.282	.444	.536	.031
907-2190-XXX	-0-2	–	1/0	2	35.0	.359	.444	.536	.031
907-2210-XXX	–	–	1/0	2	35.0	.417	.444	.536	.031
907-2200-XXX	–	–	1/0	1	50.0	.390	.444	.536	.031
907-2201-XXX	–	–	50 MM	2	35.0	.354	.410	.500	.031
907-2202-XXX	–	–	1/0	–	50.0	.421	.444	.536	.031
907-2203-XXX	–	–	2/0	2	35.0	.359	.491	.528	.031
907-2204-XXX	–	–	2/0	4	25.0	.307	.491	.528	.031
907-2205-XXX	–	–	2/0	2/0	70.0	.440	.491	.528	.031
907-2206-XXX	–	–	2/0	–	50.0	.421	.491	.528	.031
907-2210-XXX	–	–	70 MM	4	25.0	.307	.491	.500	.031
907-2211-XXX	–	–	70 MM	–	50.0	.421	.491	.500	.031
907-2207-XXX	–	–	95 MM	2/0	70.0	–	–	–	–
907-2218-XXX	–	–	4/0	2/0	70.0	.500	.615	.700	.031
907-2219-XXX	–	–	4/0	2	35.0	.560	.629	.700	.031
907-2220-XXX	-4/0-2/0L	-4/0-2/0L	4/0	2/0	70.0	.500	.629	.700	.031
907-2221-XXX	–	–	4/0	3/0	95.0	.564	.629	.700	.031
907-2230-XXX	–	–	150 MM	2/0	70.0	.500	.629	.700	.031
907-2240-XXX	–	–	190 MM	4/0	107.0	.641	–	–	–
907-2250-XXX	–	–	DIN500	6	16.0	.244	–	–	–
907-2253-XXX	–	–	DIN500	2	35.0	.354	–	–	–

CRIMP CONTACT ADAPTER

FOR WIRE SIZE LARGER THAN CONTACT

907-1*** SERIES

ORDERING INFORMATION

907 - 1 XXX - XXX

SERIES PREFIX

STYLE

1 For wire size larger than contact.

2 For wire size smaller than contact.

MATERIAL /FINISH

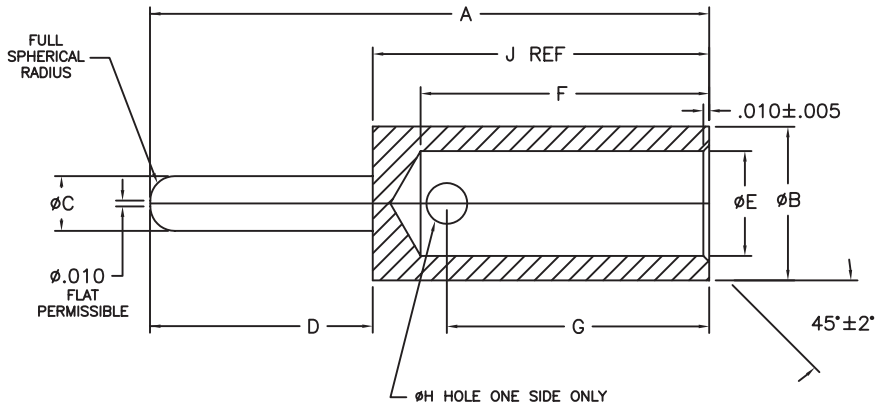
-110 Brass, Silver over nickel.

-140 Brass, Light gold over nickel.

-142 Brass, Heavy gold over nickel.

* Material/finish codes -000 & -011 are obsolete. Both replaced by -110.

DESCRIPTIVE NUMBER



PART NUMBER	CRIMP CONTACT WIRE BARREL SIZE AWG	WIRE SIZE AWG	A ±.010	B ±.002	C ±.002	D ±.005	E ±.002	F ±.010	G ±.005	H ±.002	J REF
907-1010-***	12	8-10	.807	.264	.094	.230	.181	.495	.450	.070	.577
907-1020-***	16	12-14	.549	.149	.062	.230	.100	.260	.220	.039	.319
907-1021-***	16	12-14	.617	.156	.062	.200	.100	.200	.160	.039	.400
907-1030-***	20	12-14	.509	.149	.038	.190	.100	260	.220	.039	.319
907-1040-***	20	16-18	.499	.102	.038	.190	.067	.260	.220	.039	.309
907-1050-***	22	20-22	.363	.069	.029	.120	.047	.199	.190	.029	.243
907-1060-***	22	16-18	.429	.102	.029	.120	.067	.260	.220	.039	.309

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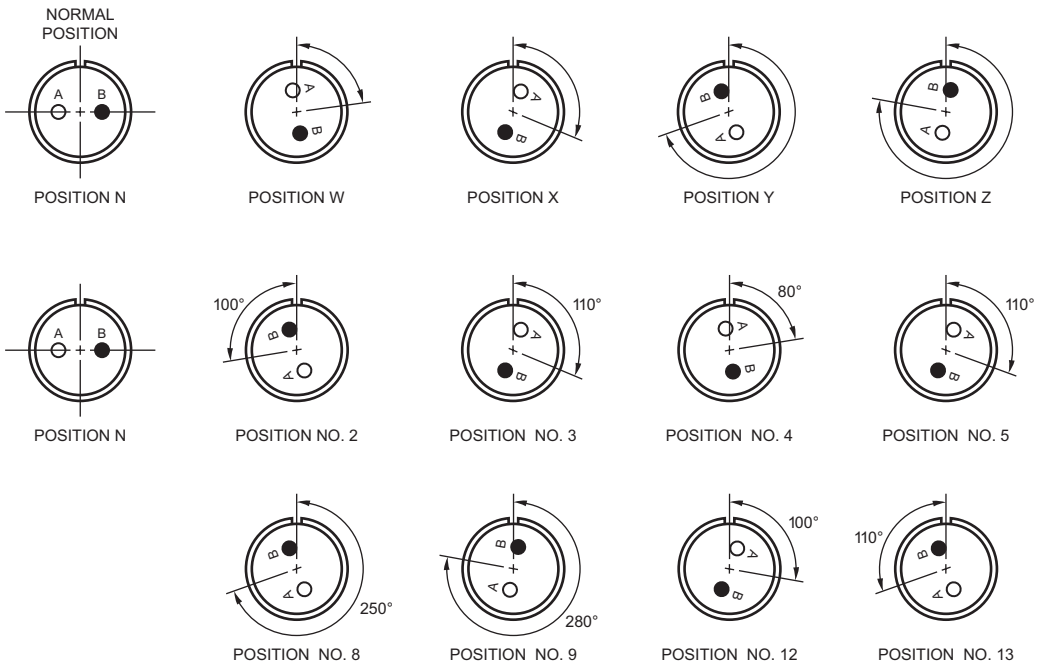
SECTION 3H
INSERT ARRANGEMENTS BY NUMBER OF CONTACTS

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.



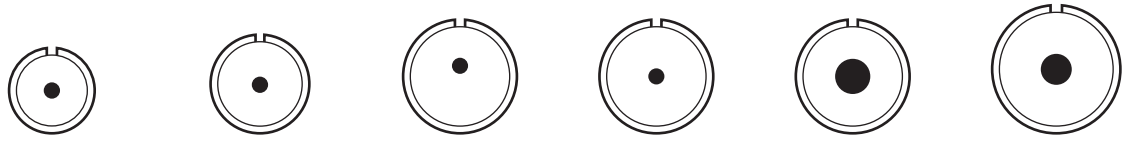
ENGAGING FACE OF PIN INSERTS SHOWN
SOCKET INSERTS ARE MIRROR IMAGES

AS95234

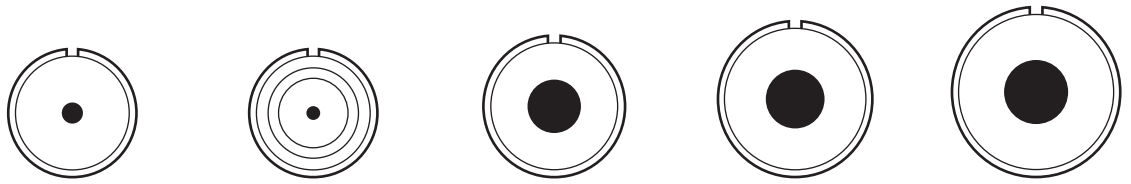
INSERT ARRANGEMENTS BY NUMBER OF CONTACTS

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

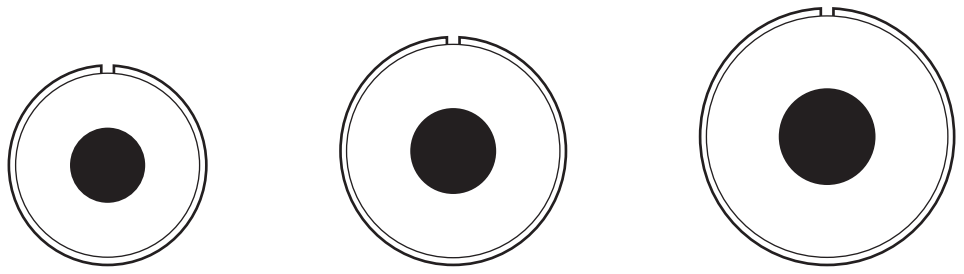
1 CONTACT



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

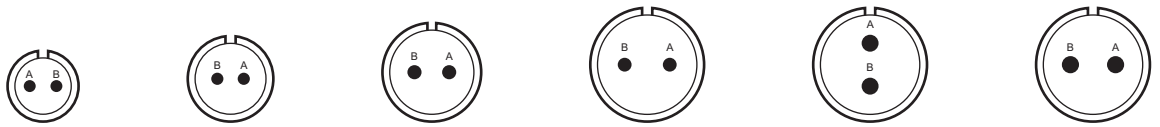


	18-7†	18-16	20-2†	22-7†	24-A1
CONTACTS	1-#8	1-#12	1-#0	1-#0	1-#0
RATING	B	HIGH VOLTAGE C	D	E	B



	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

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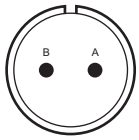
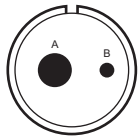
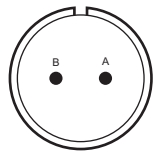
INSERT ARRANGEMENTS BY NUMBER OF CONTACTS

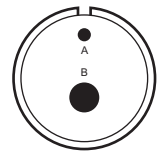
FACE VIEW OF PIN INSERTS SHOWN APPROXIMATELY 3/4 ACTUAL SIZE

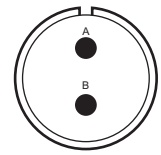
2 CONTACTS (CONT.)



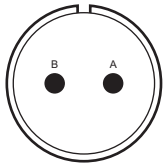


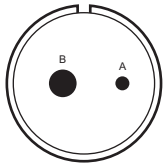


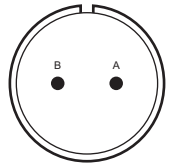


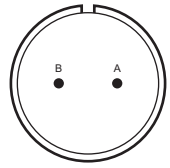


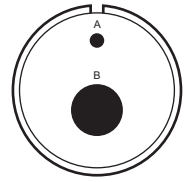
	18-3‡	18-14†	20-5‡	20-12‡	20-23‡
CONTACTS	2-#12	1-#4 (A) 1-#16 (B)	2-#16	1-#16 (A) 1-#4 (B)	2-#8
RATING	**D** For new MIL equip. design, use 18-5	**A**	**E**	**A** For new MIL equip. design, use 18-14	**A** For new MIL equip. design, use 20-22



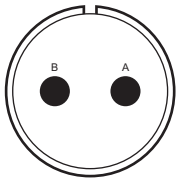


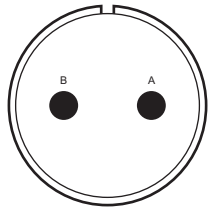


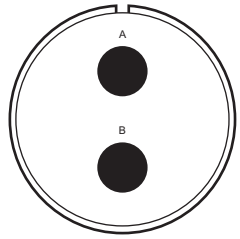


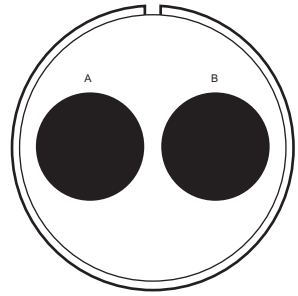


	22-1‡	22-3‡	22-8‡	22-11†	24-1‡
CONTACTS	2-#8	1-#16 (A) 1-#4 (B)	2-#12	2-#16	1-#12 (A) 1-#0 (B)
RATING	**D** For new MIL equip. design, use 22-2	**D**	**E** For new MIL equip. design, use 22-9	**B**	**D**









	24-9‡	28-7‡	32-5‡	40S2
CONTACTS	2-#4	2-#4	2-#0	2-#4/0
RATING	**A** For new MIL equip. design, use 24-12	**D** For new MIL equip. design, use 28-5	**D** For new MIL equip. design, use 32-1	**A**

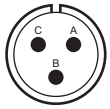
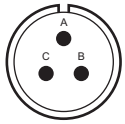
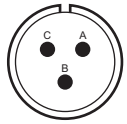
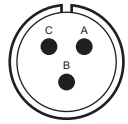
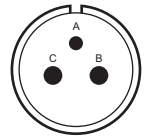
† = Military designation per MIL-STD-1651. ‡ = Military designation inactive for new design. ★ = VG95234

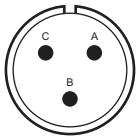
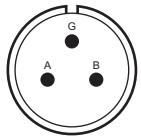
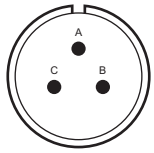
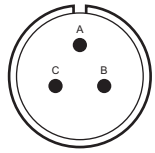
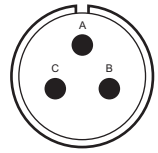
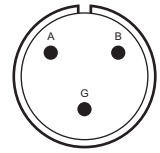
AS95234

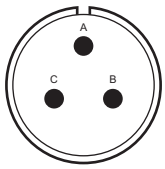
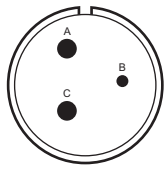
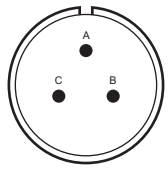
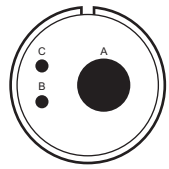
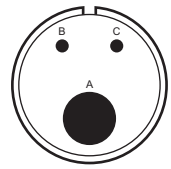
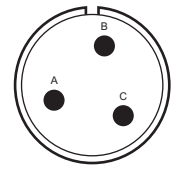
INSERT ARRANGEMENTS BY NUMBER OF CONTACTS

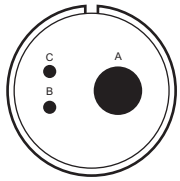
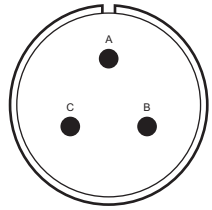
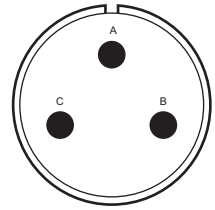
FACE VIEW OF PIN INSERTS SHOWN APPROXIMATELY 3/4 ACTUAL SIZE

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‡
			
CONTACTS	2-#12 (B, C) 1-#0 (A)	3-#8	3-#4
RATING	**A**	**E**	**D** For new MIL equip. design, use 28-22

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

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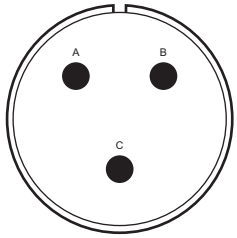
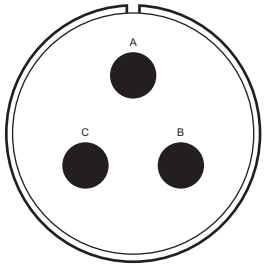
INSERT ARRANGEMENTS BY NUMBER OF CONTACTS

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

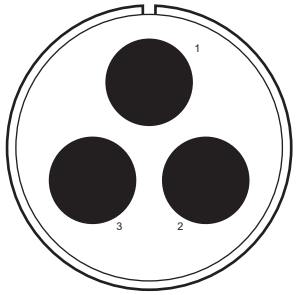
3 CONTACTS (CONT)



32A3



36-4‡

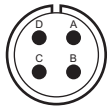


40B3

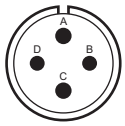
	32A3	36-4‡	40B3
CONTACTS	3-#4	3-#0	3-#2/0
RATING	**E**	**D** (A); **A** (balance) For new MIL equip. design, use 36-3	**D**

4 CONTACTS

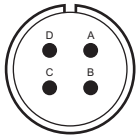
12S52
12SA10
12S-2002-10



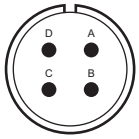
14S-2†



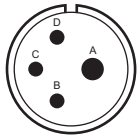
16-9†



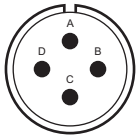
18-4†



18-10‡

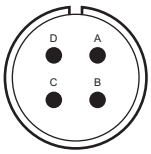


18-13†

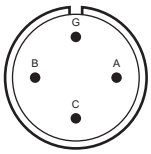


18-15†

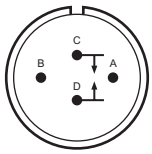
	12S52 12SA10 12S-2002-10	14S-2†	16-9†	18-4†	18-10‡	18-13†	18-15†
CONTACTS	4-#16	4-#16	2-#16 (B, D) 2-#12 (A, C)	4-#16	4-#12	3-#12 (B, C, D) 1-#8 (A)	4-#12 Thermocouple
RATING	**A**	**INST.**	**A**	**D**	**A** For new MIL equip. design, use 18-11	**A**	**A**



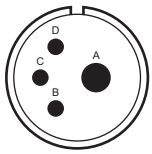
20-4†



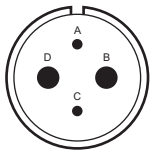
20-10†



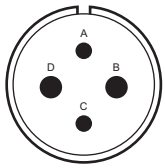
20-13†



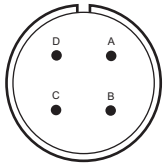
20-20‡



20-24‡

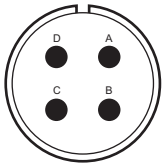


22-4‡

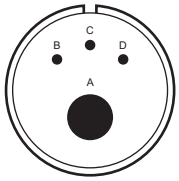


22-10†

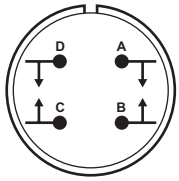
	20-4†	20-10†	20-13†	20-20‡	20-24‡	22-4‡	22-10†
CONTACTS	4-#12	4-#16	4-#16	3-#12 (B, C, D) 1-#4 (A)	2-#16 (A, C) 2-#8 (B, D)	2-#12 (A, C) 2-#8 (B, D)	4-#16
RATING	**D**	**A**	**A**	**A**	**A**	**A** For new MIL equip. design, use 20-14	**E**



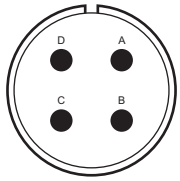
22-22†
22B22★



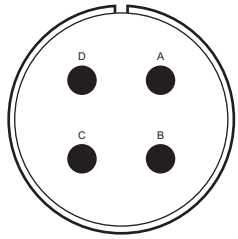
24-4†



24-18



24-22†



32-17†

	22-22† 22B22★	24-4†	24-18	24-22†	32-17†
CONTACTS	4-#8	3-#16 (B, C, D) 1-#0 (A)	4-#16	4-#8	4-#4
RATING	**A**	**A**		**D**	**D**

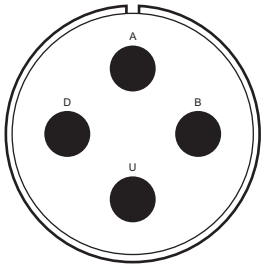
† = Military designation per MIL-STD-1651. ‡ = Military designation inactive for new design. ★ = VG95234

AS95234

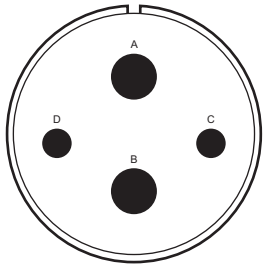
INSERT ARRANGEMENTS BY NUMBER OF CONTACTS

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

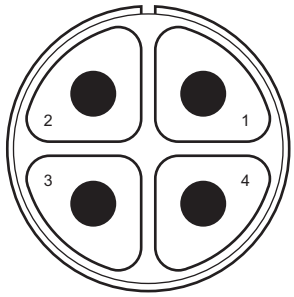
4 CONTACTS (CONT.)



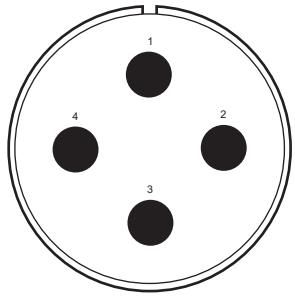
36-5†



36-51



40B4

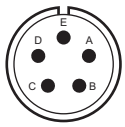


40-57

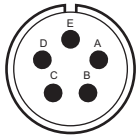
	36-5†	36-51	40B4	40-57
CONTACTS	4-#0	2-#4 (C, D) 2-#0 (A, B)	4-#0	4-#0
RATING	**A**	**D**	**E**	**E**

5 CONTACTS

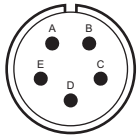
14S-5†



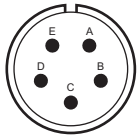
16S-8‡



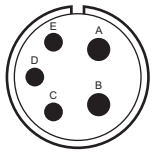
18-11†



18-20‡

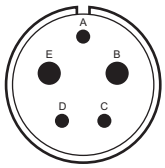


18-29‡

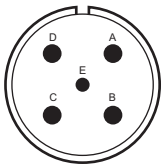


20-14†

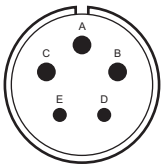
	14S-5†	16S-8‡	18-11†	18-20‡	18-29‡	20-14†
CONTACTS	5-#16	5-#16	5-#12	5-#16	5-#16	3-#12 (C, D, E) 2-#8 (A, B)
RATING	**INST.**	**A**	**A**	**A** For new MIL equip. design, use 16S-8	**A** For new MIL equip. design, use 16S-8	**A**



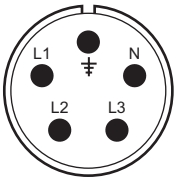
22-12†



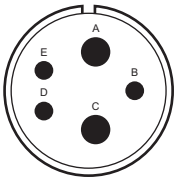
22-13‡



22-34‡

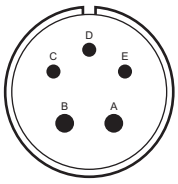


24-G5

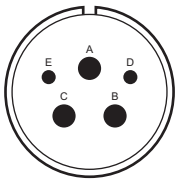


24-12†

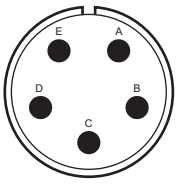
	22-12†	22-13‡	22-34‡	24-G5	24-12†
CONTACTS	3-#16 (A, C, D) 2-#8 (B, E)	1-#16 (E) 4-#12 (A-D)	2-#16 (D, E) 3-#12 (A, B, C)	5-#8 Top pin is grounded	3-#12 (B, D, E) 2-#4 (A, C)
RATING	**D**	**A** (A, D); **D** (E) For new MIL equip. design, use 22-15	**D**	**A**	**A**



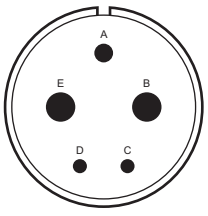
24-17‡



24-23‡



24-79



28-5†

	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**

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

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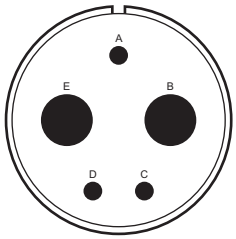
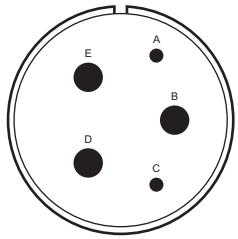
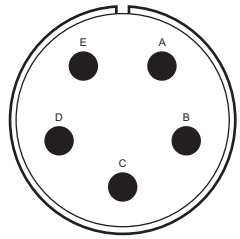
INSERT ARRANGEMENTS BY NUMBER OF CONTACTS

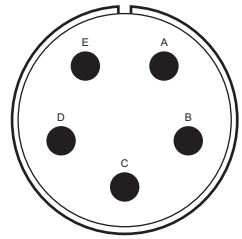
FACE VIEW OF PIN INSERTS SHOWN APPROXIMATELY 3/4 ACTUAL SIZE

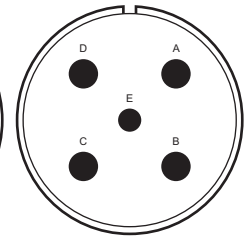
5 CONTACTS (CONT.)



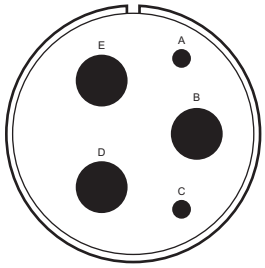


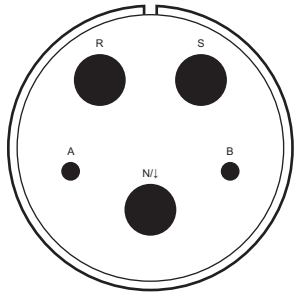


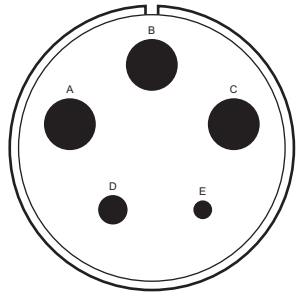


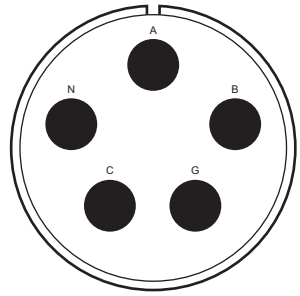


	32-1†	32-2†	32A5	32-63†	32-79
CONTACTS	3-#12 (A, C, D) 2-#1/0 (B, E)	2-#16 (A, C) 3-#4 (B, D, E)	5#4	5-#4	1-#8 (E) 4-#4 (A-D)
RATING	**E** (A); **D** (balance)	**E**	**D**	**D**	**D**



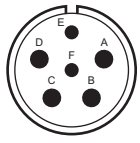


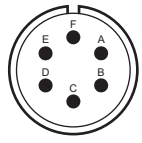


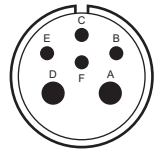


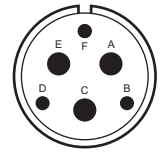
	36-2‡	40A3	40A5	40B5
CONTACTS	2-#12 (A, C) 3-#0 (B, D, E)	2-#12 (A,D) 3-#0 (N,R,S)	1-#12 (E) 1-#4 (D) 3-#0 (A, B, C)	5-#0
RATING	**D** For new MIL equip. design, use 36-3	**D**	**D**	**D**

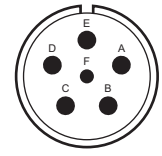
6 CONTACTS











	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**

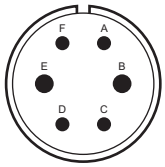
† = Military designation per MIL-STD-1651. ‡ = Military designation inactive for new design. ★ = VG95234

AS95234

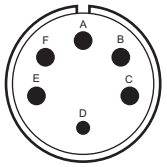
INSERT ARRANGEMENTS BY NUMBER OF CONTACTS

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

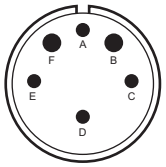
6 CONTACTS (CONT.)



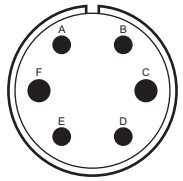
22-5†



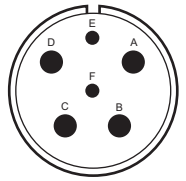
22-15†



22-24†

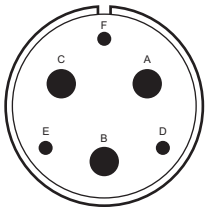


24A-6

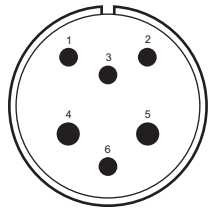


24-06
24C06

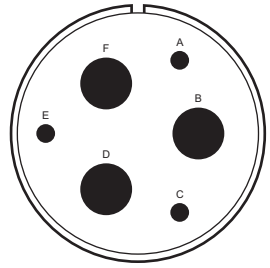
	22-5†	22-15†	22-24†	24A-6	24-06 24C06
CONTACTS	4-#16 (A,C,D,F) 2-#12 (B,E)	1-#16 (D) 5-#12 (A, B, C, E, F)	4-#16 (A, C, D, E) 2-#12 (B, F)	2-#8 (F, C) 4-#12 (A, B, E, D)	2-#16 (E, F) 4-#8 (A, B, C, D)
RATING	**A** (A, B, C, E, F)	**A** (A, B, C, E, F) **E** (D)	**A** (A, B, F); **D** (C, D, E) For new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



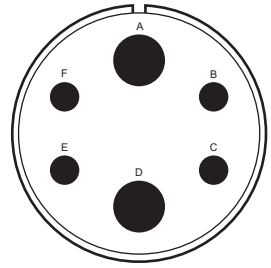
28-22†



28-82‡

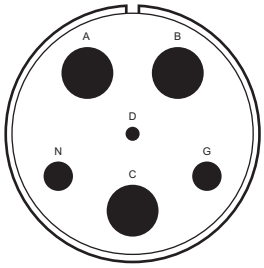


36-3†

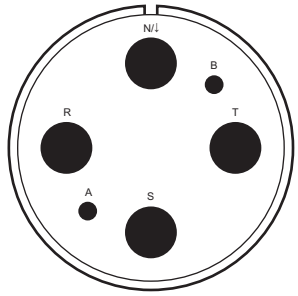


36-6†

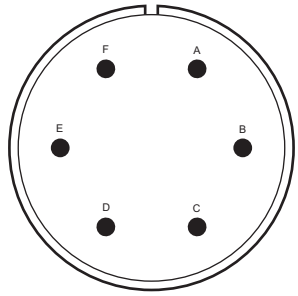
	28-22†	28-82‡	36-3†	36-6†
CONTACTS	3-#16 (D, E, F) 3-#4 (A, B, C)	4-#12 (1, 2, 3, 6) 2-#8 (4, 5)	3-#12 (A, C, E) 3-#0 (B, D, F)	4-#4 (B, C, E, F) 2-#0 (A, D)
RATING	**D**	**D**	**D**	**A**



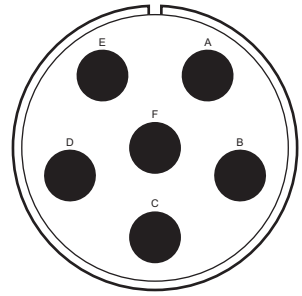
36A51



40A4



40A6



40-60

	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**

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

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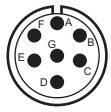
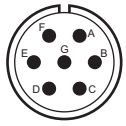
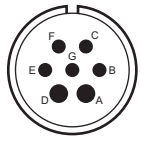
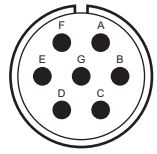
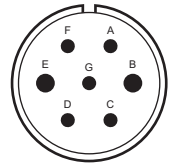
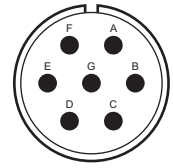
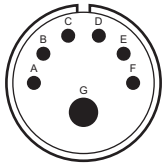
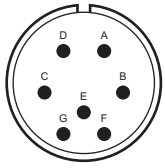
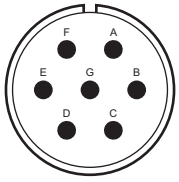
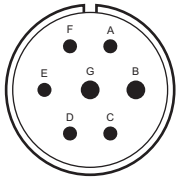
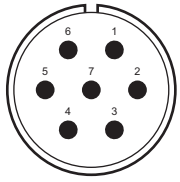
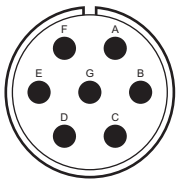
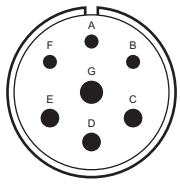
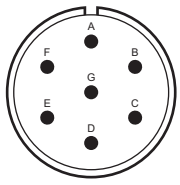
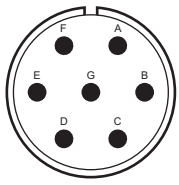
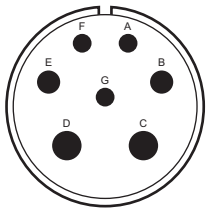
INSERT ARRANGEMENTS BY NUMBER OF CONTACTS

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

7 CONTACTS

						
	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

					
	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†**
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)

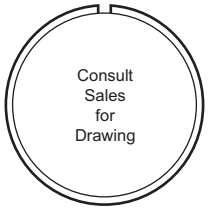
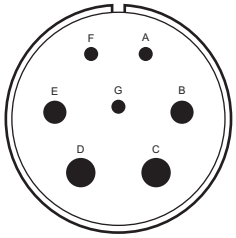
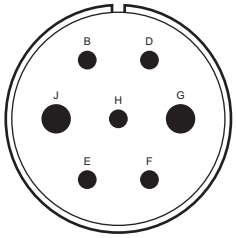
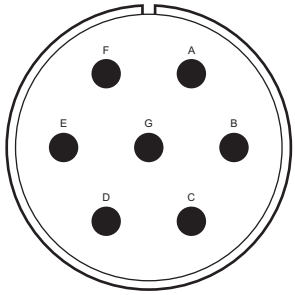
† = Military designation per MIL-STD-1651. ‡ = Military designation inactive for new design. ★ = VG95234

AS95234

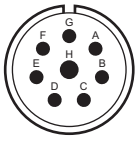
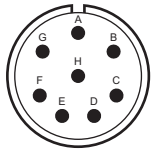
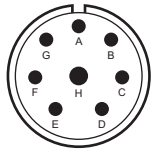
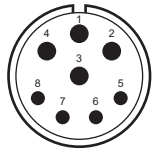
INSERT ARRANGEMENTS BY NUMBER OF CONTACTS

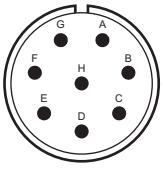
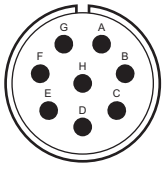
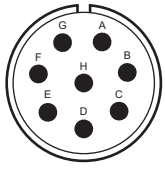
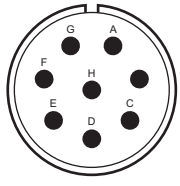
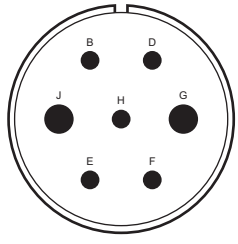
FACE VIEW OF PIN INSERTS SHOWN APPROXIMATELY 3/4 ACTUAL SIZE

7 CONTACTS (CONT.)

	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**

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†	32A8
					
CONTACTS	8-#16	8-#12	8-#12 Thermocouple	8-#12	8#8
RATING	**A** (C-E) **D** (balance)	**D** (H); **A** (balance)	**A** (A-G); **D** (H)	**D** (A, G, H) **A** (balance)	**D**

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

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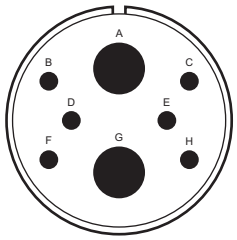
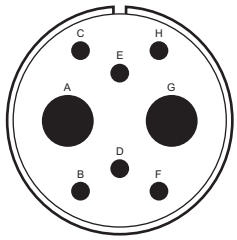
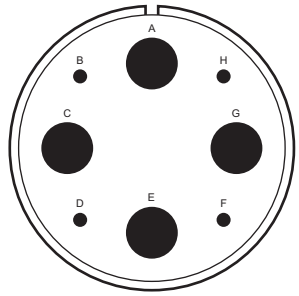
INSERT ARRANGEMENTS BY NUMBER OF CONTACTS

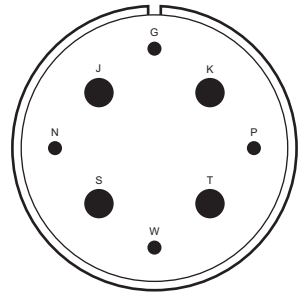
FACE VIEW OF PIN INSERTS SHOWN APPROXIMATELY 3/4 ACTUAL SIZE

8 CONTACTS (CONT.)



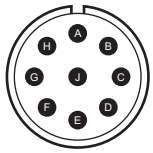


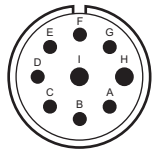


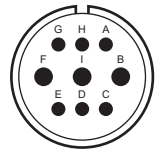


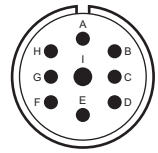
	32-15†	32-52	40A8	40A10
CONTACTS	6-#12 (B, F, H) 2-#0 (A, G)	6-#12 (B, F, H) 2-#0 (A, G)	4-#16 (B,D,F,H) 4-#0 (A,C,E,G)	4-#16 (G, N, P, W) 4-#4 (J, K, S, T)
RATING	**D**	**D**	**D**	**D**

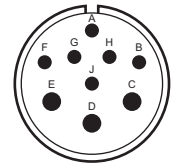
9 CONTACTS

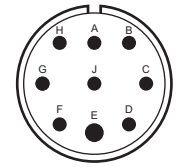




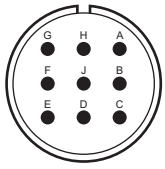


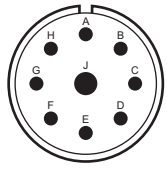


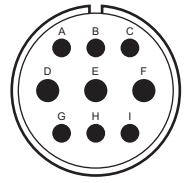


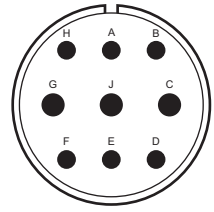


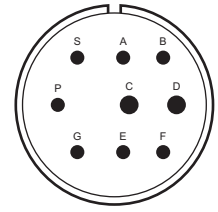
	20A9	20-16†	20-18†	20-21†	22-16†	22-17†
CONTACTS	9-#12	7-#16 (A-G) 2-#12 (H, I)	6-#16 (A, C, D, E, G, H) 3-#12 (B, F, I)	8-#16 (A-H) 1-#12 (I)	6-#16 (A, B, F-J) 3-#12 (C, D, E)	8-#16 (A-D, F-J) 1-#12 (E)
RATING	**D** (J) **A** (balance)	**A**	**A**	**A**	**A** For new MIL equip. design, use 20-18	**D** (A); **A** (balance)



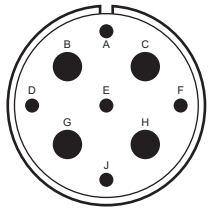


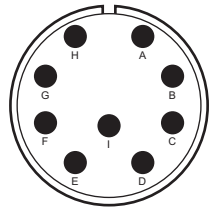


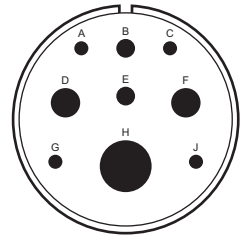


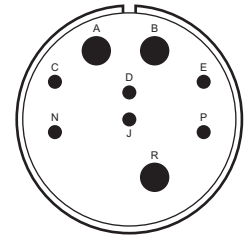


	22-20‡	22-27†	24-11†	28-1†	28-4†
CONTACTS	9-#16	8-#16 (A-H) 1-#8 (J)	6-#12 (A-C, G-I) 3-#8 (D, E, F)	6-#12 (A, B, D, E, F, H) 3-#8 (C, J, G)	7-#16 (A, B, E, F, G, P, S) 2-#12 (C, D)
RATING	**A** For new MIL equip. design, use 20-33	**D** (J); **A** (balance)	**A**	**D** (A, E, J) **A** (balance)	**E** (G, P, S) **D** (balance)









	28A9 28-09	28-84	32-3†	32-689
CONTACTS	5-#16 (A,D,E,F,J) 4-#4 (B,C,G,H)	9-#8	4-#16 (A, C, G, J) 2#12 (B, E) 2-#4 (D, F), 1-#0 (H)	6-#16 (C,D,E,J,N,P) 3-#4 (A,B,R)
RATING	**A**	**A**	**D**	**A**

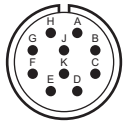
† = Military designation per MIL-STD-1651. ‡ = Military designation inactive for new design. ★ = VG95234

AS95234

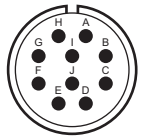
INSERT ARRANGEMENTS BY NUMBER OF CONTACTS

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

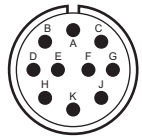
10 CONTACTS



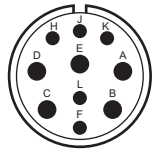
16A10



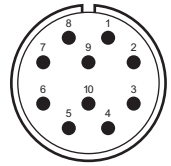
18-1†



18-19‡

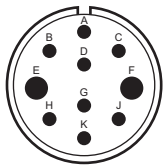


20-58

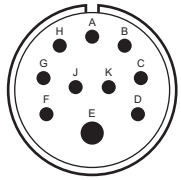


22A10

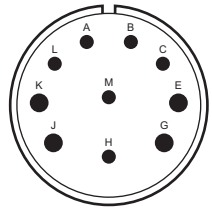
	16A10	18-1†	18-19‡	20-58	22A10
CONTACTS	10-#18	10-#16	10-#16	5-#16 (F-L) 5-#12 (A-E)	10-#16
RATING	**A**	**A** (B, C, F, G) **INST.** (balance)	**A** For new MIL equip. design, use 18-1	**A**	**A**



22-82



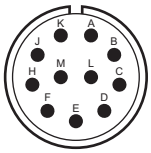
24-21†



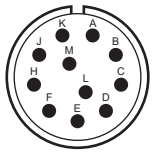
28-19 †

	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)

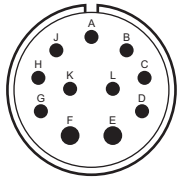
11 CONTACTS



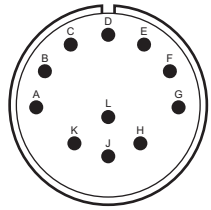
20-31‡



20-33†



24-20†



28-14‡

	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**

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

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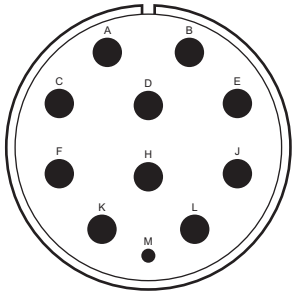
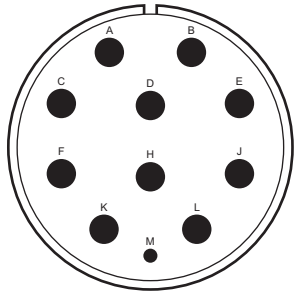
INSERT ARRANGEMENTS BY NUMBER OF CONTACTS

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

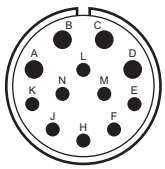
11 CONTACTS (CONT.)

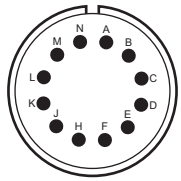


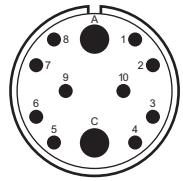


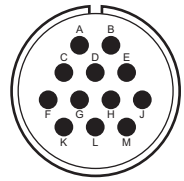
	40-67	40-80
CONTACTS	1-#16 (M) 10-#4 (A-L)	1-#16 (M) 10-#4 (A-L)
RATING	**A**	**A**

12 CONTACTS

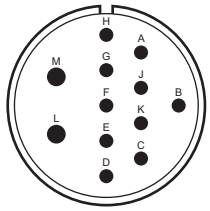


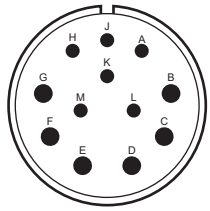


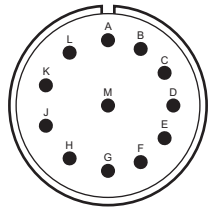


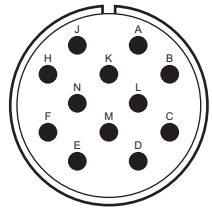


	22-63	24-19‡	24S12	24A24
CONTACTS	8-#16 (E-L) 4-#12 (A-D)	12-#16	10-#16 (1-10) 2-#4 (A,C)	12-#12
RATING	**A**	**A**	**A**	**A**









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

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

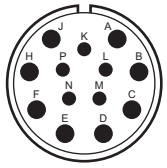
AS95234

INSERT ARRANGEMENTS BY NUMBER OF CONTACTS

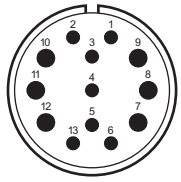
FACE VIEW OF PIN INSERTS SHOWN APPROXIMATELY 3/4 ACTUAL SIZE

13 CONTACTS

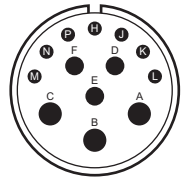
20-11†



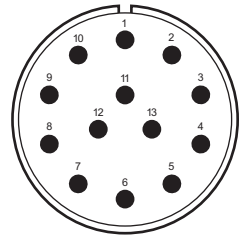
22-70



24A13
24-013



24-58

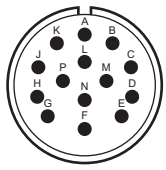


32A13
32-013

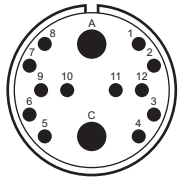
	20-11†	22-70	24A13 24-013	24-58	32A13 32-013
CONTACTS	13-#16	5-#16 (K-P) 8-#12 (A-J)	7-#16 (1-6, 13) 6-#12 (7-12)	7-#16 (H-P) 3-#12 (D, E, F); 3-#8 (A, B, C)	13-#12
RATING	**INST.**		**A**		**D**

14 CONTACTS

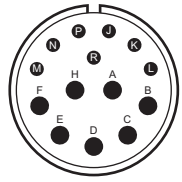
20-27†



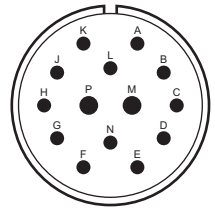
22-19†



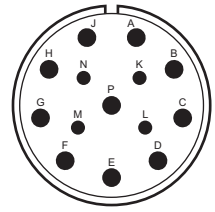
24S14



24-59

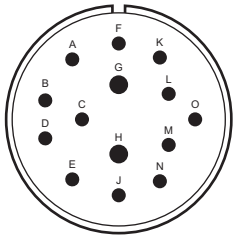


28-2†

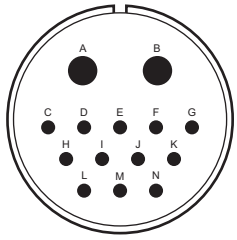


28-20†

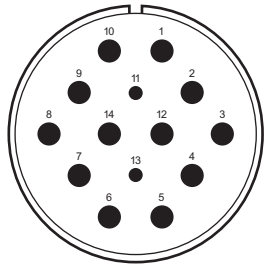
	20-27†	22-19†	24S14	24-59	28-2†	28-20†
CONTACTS	14-#16	14-#16	12-#16 (1-12) 2-#4 (A,C)	7-#16 (J-R) 7-#12 (A-H)	12-#16 (A, L, N) 2-#12 (M, P)	4-#16 (K-N) 10-#12 (A-J,P)
RATING	**A**	**A**	**A**	**A**	**D**	**A**



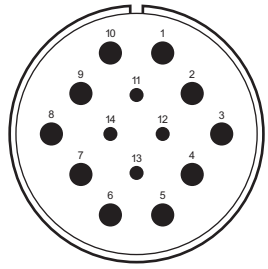
32-4‡



32-9‡



36B78



36D78

	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**

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

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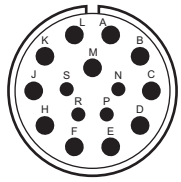
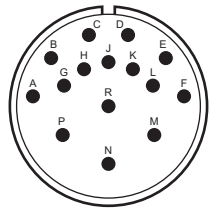
INSERT ARRANGEMENTS BY NUMBER OF CONTACTS

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

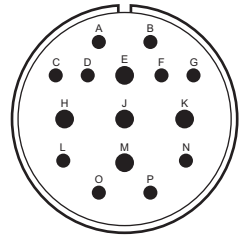
15 CONTACTS



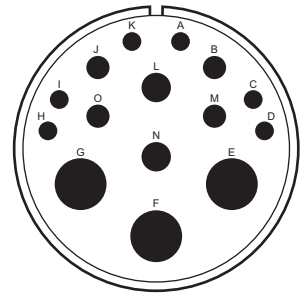
24-65



28-17†



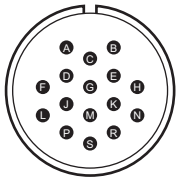
32-12‡



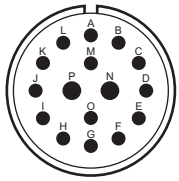
40-5†

	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**

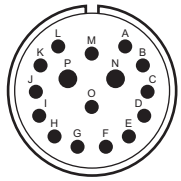
16 CONTACTS



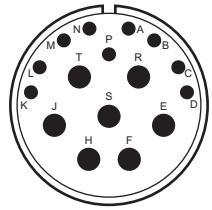
24-5‡



24-7†

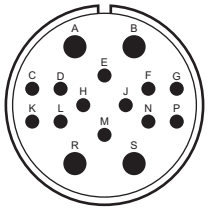


24A40

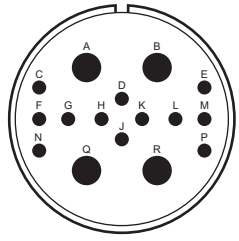


28-79

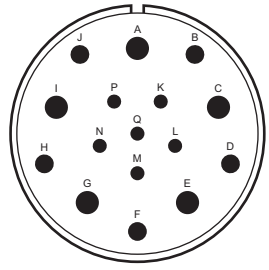
	24-5‡	24-7†	24A40	28-79
CONTACTS	16-#16	14-#16 (A-M,O) 2-#12 (N,P)	14-#16 (A-M, O) 2-#12 (N-P)	9-#16 (A-D, K-P) 7-#8 (J, R, S, T)
RATING	**A** For new MIL equip. design, use 22-14	**A**	**A**	**A**



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**

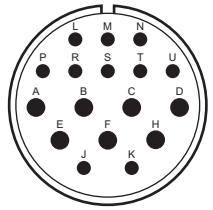
† = Military designation per MIL-STD-1651. ‡ = Military designation inactive for new design. ★ = VG95234

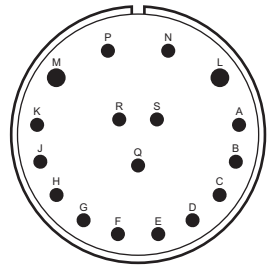
AS95234

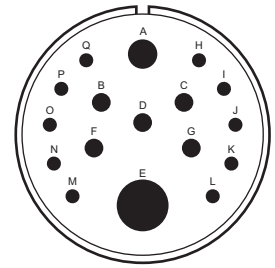
INSERT ARRANGEMENTS BY NUMBER OF CONTACTS

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

17 CONTACTS

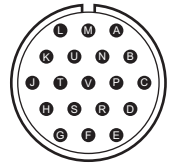


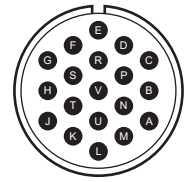


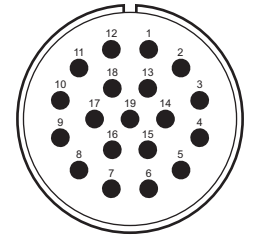


	20-29‡	28-59	36-13‡	36-19‡
CONTACTS	17-#16	10-#16 (J-U) 7-#12 (A-H)	15-#16 (A-K, N-S) 2-#12 (L, M)	10-#16 (H-Q) 5-#12 (B-D,F, G) 1-#4 (A), 1-#0 (E)
RATING	**A**	**A**	**E** (N-Q); **A** (balance)	**D**

19 CONTACTS

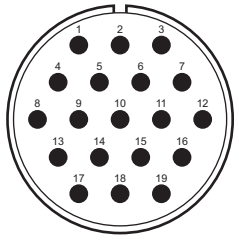


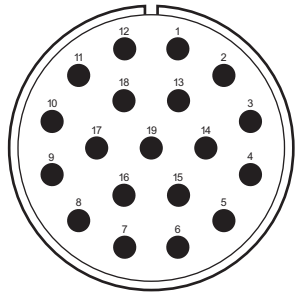




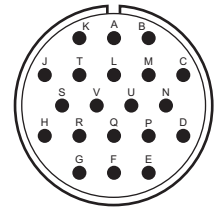
	20A48	22-14‡	24-67	32S19
CONTACTS	19-#16	19-#16	19-#12	19-#12
RATING	**I**	**A**	**INST.**	**A**

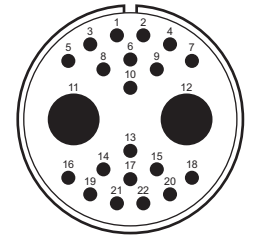
19 CONTACTS CONT.





20 CONTACTS





	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**

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

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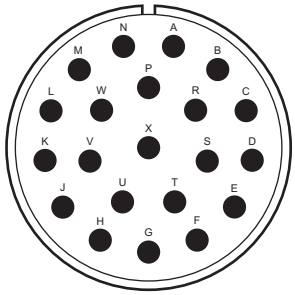
INSERT ARRANGEMENTS BY NUMBER OF CONTACTS

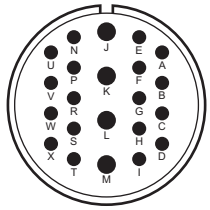
FACE VIEW OF PIN INSERTS SHOWN APPROXIMATELY 3/4 ACTUAL SIZE

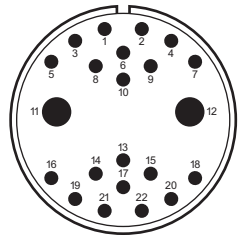
21 CONTACTS

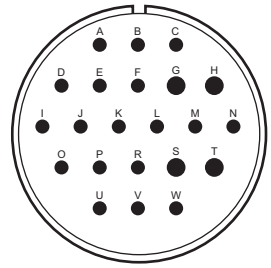


	40-68
CONTACTS	21-#8
RATING	**A**

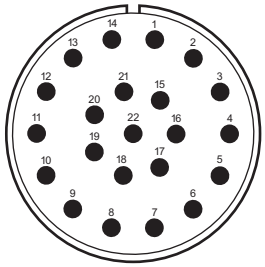
22 CONTACTS

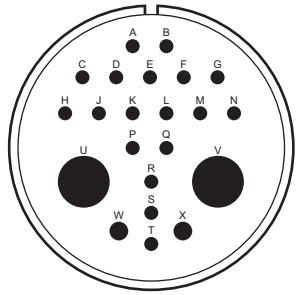






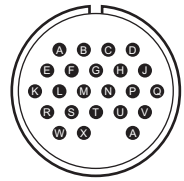
	28-11†	32A22 32B22	36-1‡
CONTACTS	18-#16 (A-I, N-X) 4-#12 (J-M)	20-#16 (1-10,13-22) 2-#4 (11,12)	18-#16 (A-F, I-R, U-W) 4-#12 (G, H, S, T)
RATING	**A**	**A**	**D** For new MIL equip. design, use 32-13

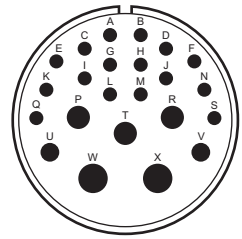




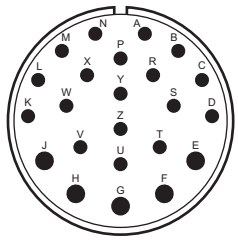
	36-22 36A22	40-7†
CONTACTS	22-#12	18-#16 (A-T), 2-#12 (W, X) 2-#0 (U, V)
RATING	**D**	**A** (P, Q, U-X); **D** (balance)

23 CONTACTS

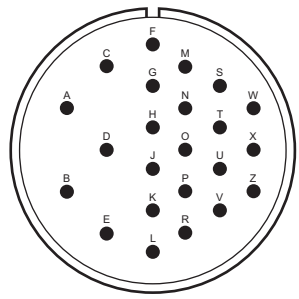


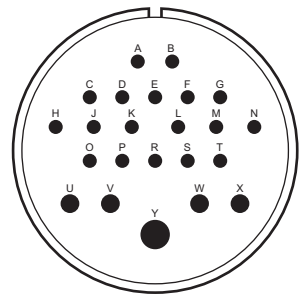


	24-80†	32-6†
CONTACTS	23-#16	16-#16 (A-O, S) 2-#12 (U,V) 3-#8 (P-T), 2-#4 (W, X)
RATING	**INST.**	**A**



Rotation of
32-6
Shown
Above





	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**

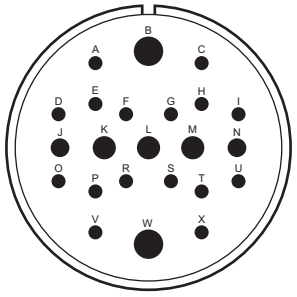
† = Military designation per MIL-STD-1651. ‡ = Military designation inactive for new design. ★ = VG95234

AS95234

INSERT ARRANGEMENTS BY NUMBER OF CONTACTS

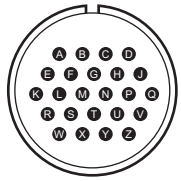
FACE VIEW OF PIN INSERTS SHOWN APPROXIMATELY 3/4 ACTUAL SIZE

23 CONTACTS CONT.

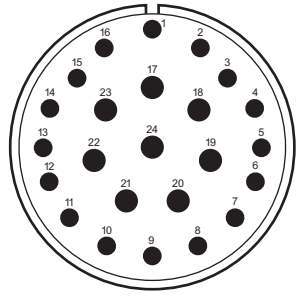


40-4†

24 CONTACTS



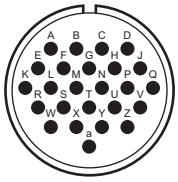
24-28†



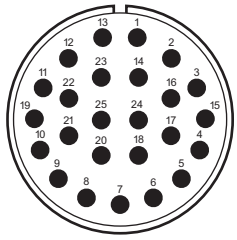
40-A24

	40-4†	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

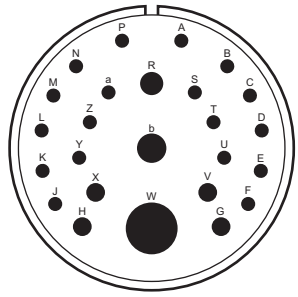
25 CONTACTS



24A25



32A25



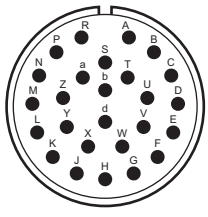
40-11†

CONSULT SALES

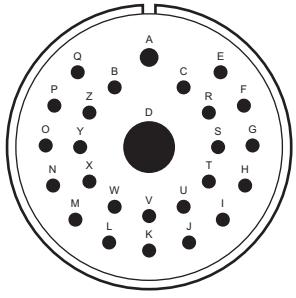
40A25

	24A25	32A25	40-11†	40A25
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)	24-#12 1-#8
RATING	A	A	D	D

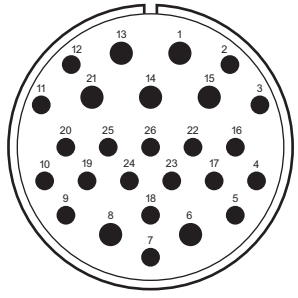
26 CONTACTS



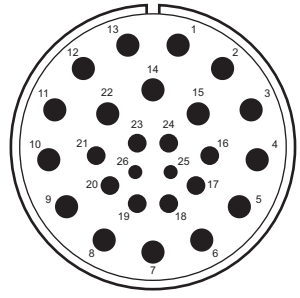
28-12†



40-6†



40-26



40A26

	28-12†	40-6†	40-26	40A26
CONTACTS	26-#16	24-#16 (B, C, E, Z) 1-#12 (A), 1-#0 (D)	19-#12 (2-5,7,9-12,16-20,22-26) 7-#8 (1,6,8,13-15,21)	16-#8 (1-15,22) 8-#12 (16-21), 2-#16 (25-26)
RATING	A	D	A	D

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

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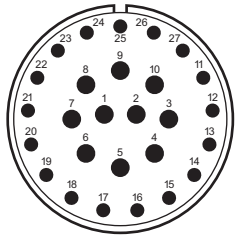
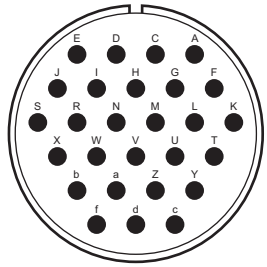
INSERT ARRANGEMENTS BY NUMBER OF CONTACTS

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

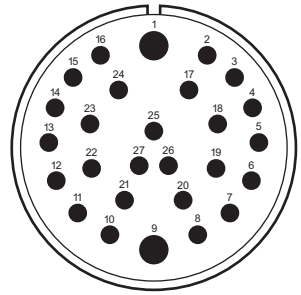
27 CONTACTS



32A27



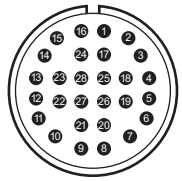
36A46



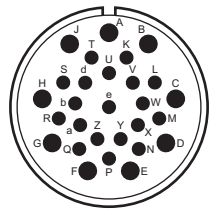
40A27

	32A27	36A46	40A27
CONTACTS	10-#12 (1-10) 17-#16 (11-27)	27-#12	25-#12 (2 thru 8, 10 thru 27) 2-#4 (1,9)
RATING	**A**	**A**	**D**

28 CONTACTS



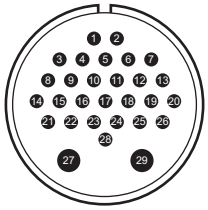
24A28



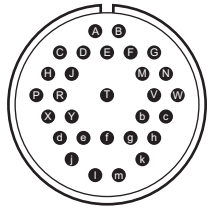
28A63

	24A28	28A63
CONTACTS	28-#16	19-#16 (K-e) 9-#12 (A-J)
RATING	**I**	**A** (e) **I** (balance)

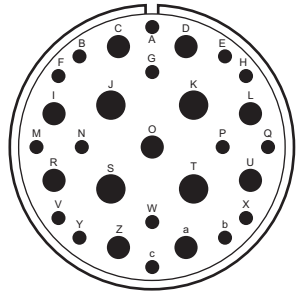
29 CONTACTS



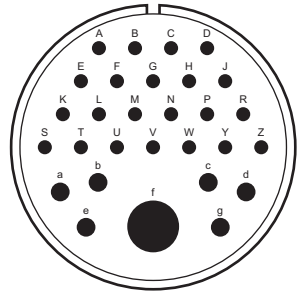
28-A29



28A55



40-10†



40-12‡

	28-A29	28A55	40-10†	40-12‡
CONTACTS	27-#16 (1-26,28) 2-#8 (27,29)	29-#16	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)	22-#16 (A-Z) 6-#12 (a-e, g), 1-#0 (f)
RATING	**D**	**A**	**A**	**D**

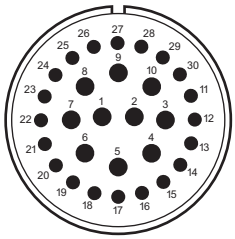
† = Military designation per MIL-STD-1651. ‡ = Military designation inactive for new design. ★ = VG95234

AS95234

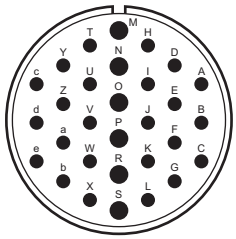
INSERT ARRANGEMENTS BY NUMBER OF CONTACTS

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

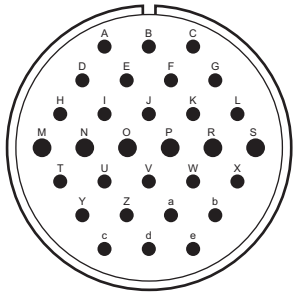
30 CONTACTS | **31 CONTACTS**



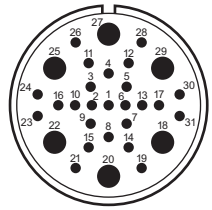
32A30



32-8†



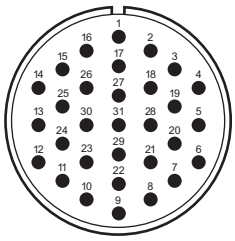
40-1†



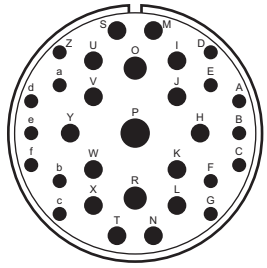
28A31

	32A30	32-8†	40-1†	28A31
CONTACTS	20-#16 (11-30) 10-#12 (1-10)	24-#16 (A-L, T-Z, a-e) 6-#12 (M-S)	24-#16 (A-L,T-e) 6-#12 (M-S)	25-#18 (1-17,19,21,23,24,26,28,30,31) 6-#8 (18,20,22,25,27,29)
RATING	A	A For new MIL equip. design, use 32-7	D	A

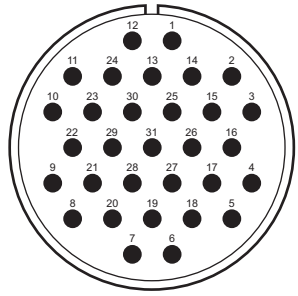
31 CONTACTS (CONT.)



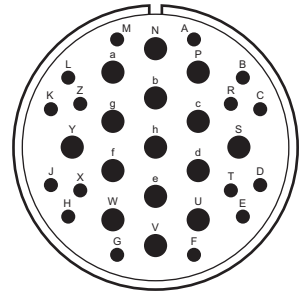
32-31



36-9†



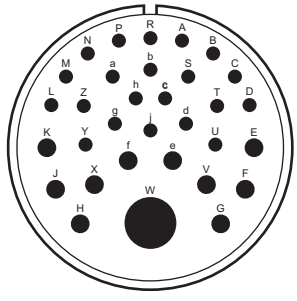
40-31



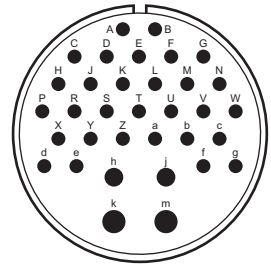
40A51

	32-31	36-9†	40-31	40A51
CONTACTS	31-#16	14-#16 (A-G, Z-f) 14-#12 (H-N, S-Y) 2-#8 (O, R), 1-#4 (P)	31-#12	16-#16 (A-M,R,T,X,Z) 15-#8 (N,P,S,U-W,Y,a-h)
RATING	A	A	D	A

32 CONTACTS | **34 CONTACTS**



40-14‡



36-20‡

	40-14‡	36-20‡
CONTACTS	21-#16 (A-D, L-U, Y-d, g, h, j) 10-#12 (E-K, V, X, e, f) 1-#0 (W)	30-#16 (A-g) 2-#12 (h-j) 2-#8 (k, m)
RATING	D	A

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

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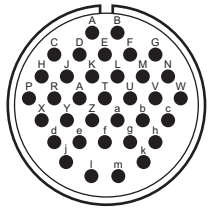
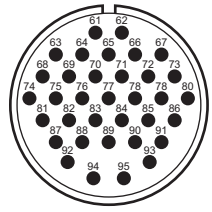
INSERT ARRANGEMENTS BY NUMBER OF CONTACTS

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

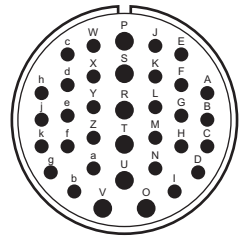
35 CONTACTS



28-15†



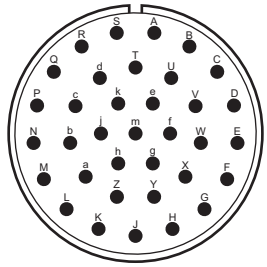
28A35



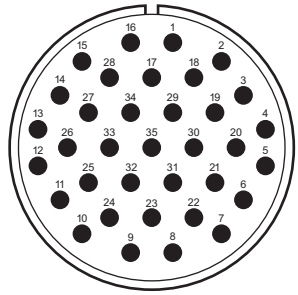
32-7†

	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.)

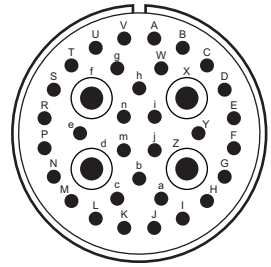


36-15†



40-35

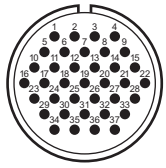
36 CONTACTS



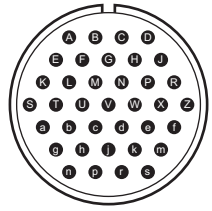
36-35

	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**

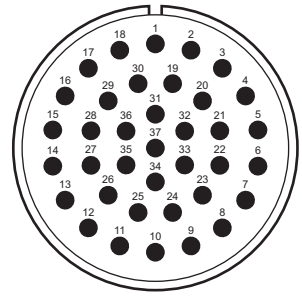
37 CONTACTS



22A37



28-21†



40B37

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

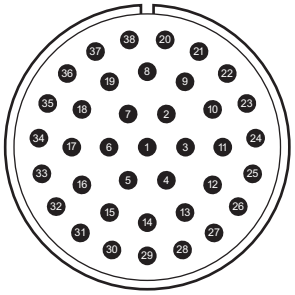
† = Military designation per MIL-STD-1651. ‡ = Military designation inactive for new design. ★ = VG95234

AS95234

INSERT ARRANGEMENTS BY NUMBER OF CONTACTS

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

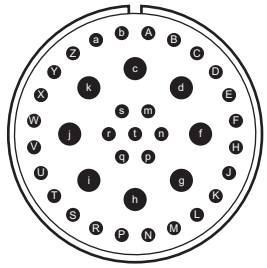
38 CONTACTS



40A38

CONTACTS	38-#12
RATING	**A**

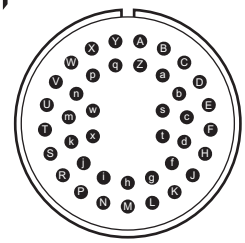
39 CONTACTS



36-54

CONTACTS	31-#16 (A-b, m-t) 8-#8 (c-k)
RATING	**A**

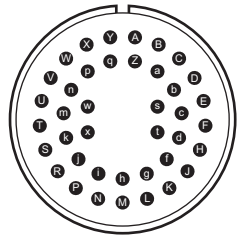
40 CONTACTS



32A40

CONTACTS	40-#16
RATING	**A**

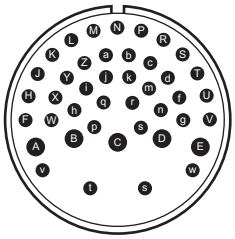
THERMOCOUPLE VERSION



32A401

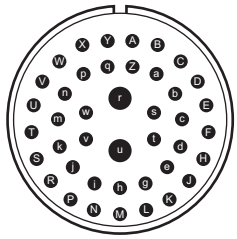
CONTACTS	40-#16
RATING	**A**

42 CONTACTS



32-53

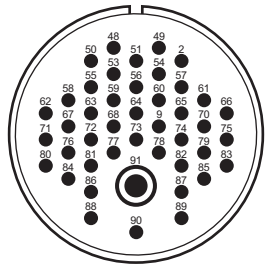
CONTACTS	37-#16 (F-w) 5-#12 (A-E)
RATING	**E** (t,u); **INST.** (balance)



32-59

CONTACTS	2-#8 (r, u) 40-#16 (balance)
RATING	**A**

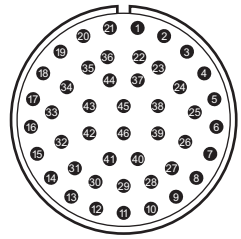
44 CONTACTS



36-74

CONTACTS	43-#16 (48-90) 1-#8
RATING	**A**

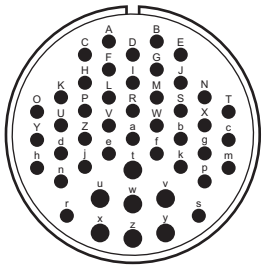
46 CONTACTS



32-73†

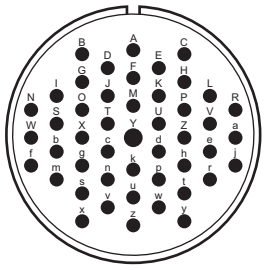
CONTACTS	46-#16
RATING	**A**

47 CONTACTS



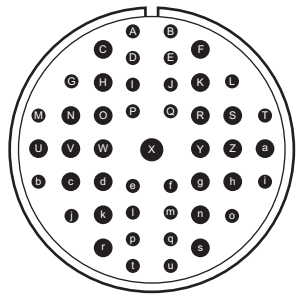
36-7†

CONTACTS	40-#16 (A-Z, a-s) 7-#12 (t-z)
RATING	**A**



36-8†

CONTACTS	46-#16 (A-X, Z-z) 1-#12 (Y)
RATING	**A**



40-9†

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)
RATING	**A**

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

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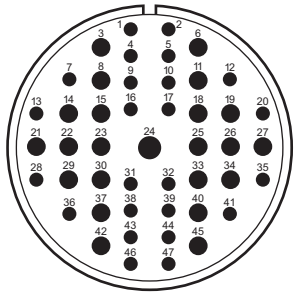
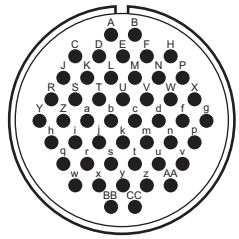
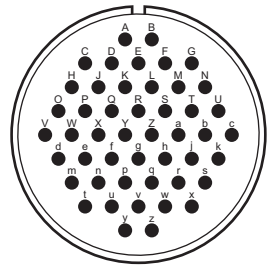
INSERT ARRANGEMENTS BY NUMBER OF CONTACTS

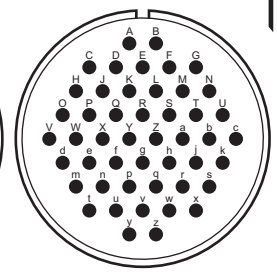
FACE VIEW OF PIN INSERTS SHOWN APPROXIMATELY 3/4 ACTUAL SIZE

47 CONTACTS (CONT.) / 48 CONTACTS



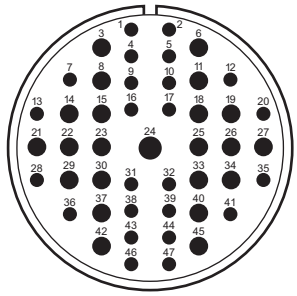


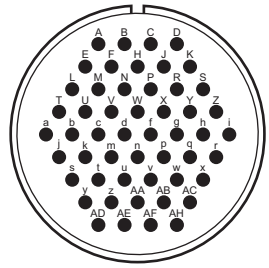


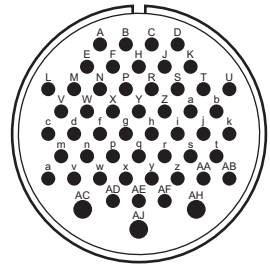


	40-47	32A48	36-10†	36A48
CONTACTS	24-#16 (1,2,4,5,7,9,10,12,13,16,17,20,28, 31,32,25, 38,39,44 ,43,44,46,47) 22-#12 (3,6,8,11,14,15,18,19,21,22,23,25,26, 27,29,30,33,34,37,40,42,45) 1-#8 (24)	48-#16	48-#16	48#16
RATING	A	I	A	A

51 CONTACTS / 52 CONTACTS / 53 CONTACTS

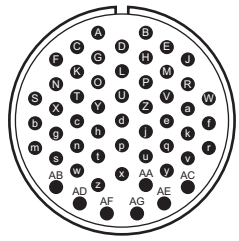


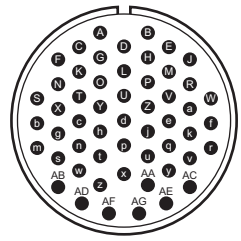


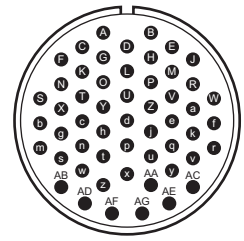


	40-251 40-951	36-52†	36-71
CONTACTS	26#12 25#8	52-#16	50-#16 (A-AB, AD-AF) 3-#12 (AC, AH, AJ)
RATING	A	A	A

54 CONTACTS







	32-22†	32-64	32-88
CONTACTS	54-#16	54-#16	54-#16
RATING	A	INST.	A

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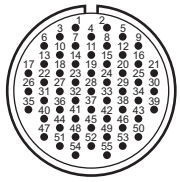
AS95234

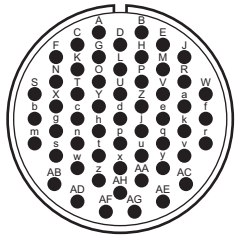
INSERT ARRANGEMENTS BY NUMBER OF CONTACTS

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

55 CONTACTS

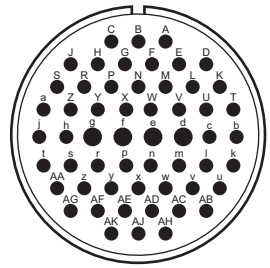


24A55



32A55

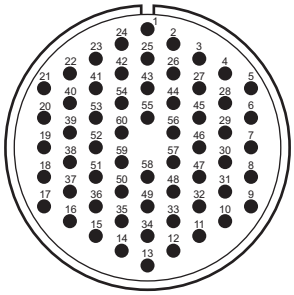
56 CONTACTS



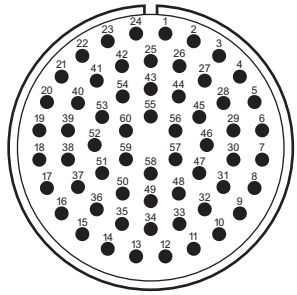
36-66†

	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

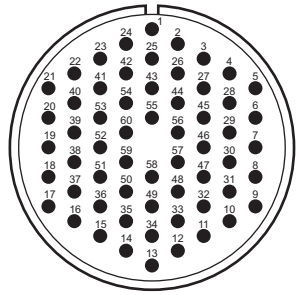
60 CONTACTS



40S27



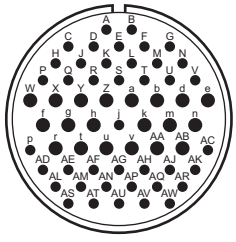
40-53



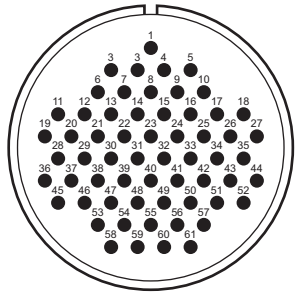
40-62

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

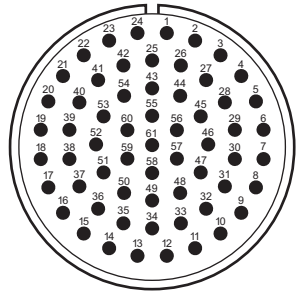
61 CONTACTS



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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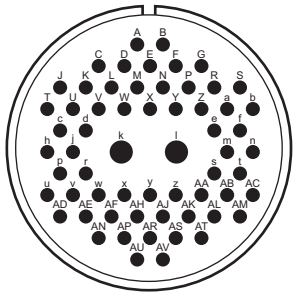
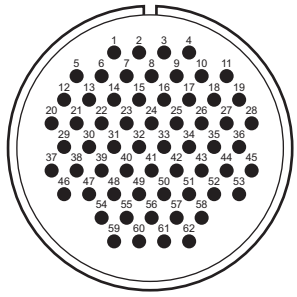
INSERT ARRANGEMENTS BY NUMBER OF CONTACTS

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

62 CONTACTS

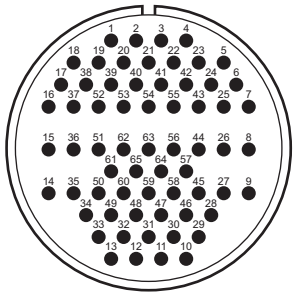


40A62



40-82

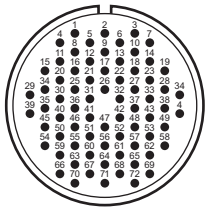
65 CONTACTS



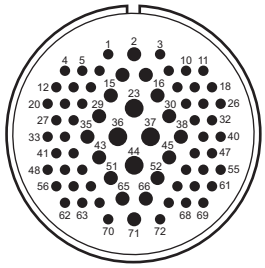
40A65

	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

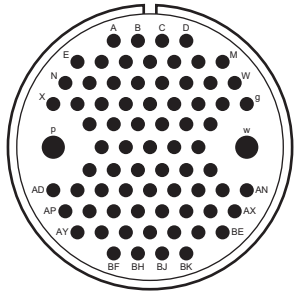


28-72



36A72

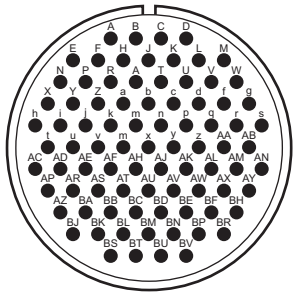
75 CONTACTS



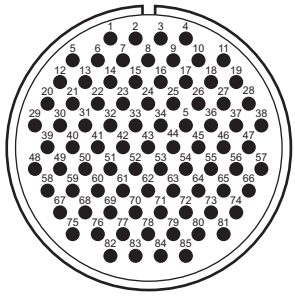
40A75

	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

85 CONTACTS

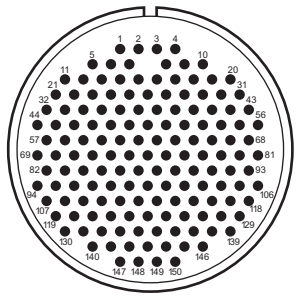


40-56†



40A56
40N56

150 CONTACTS



40-150
40A150

	40-56†	40A56 40N56	40-150 40A150
CONTACTS	85-#16	85-#16	150-#18
RATING	A	A	I

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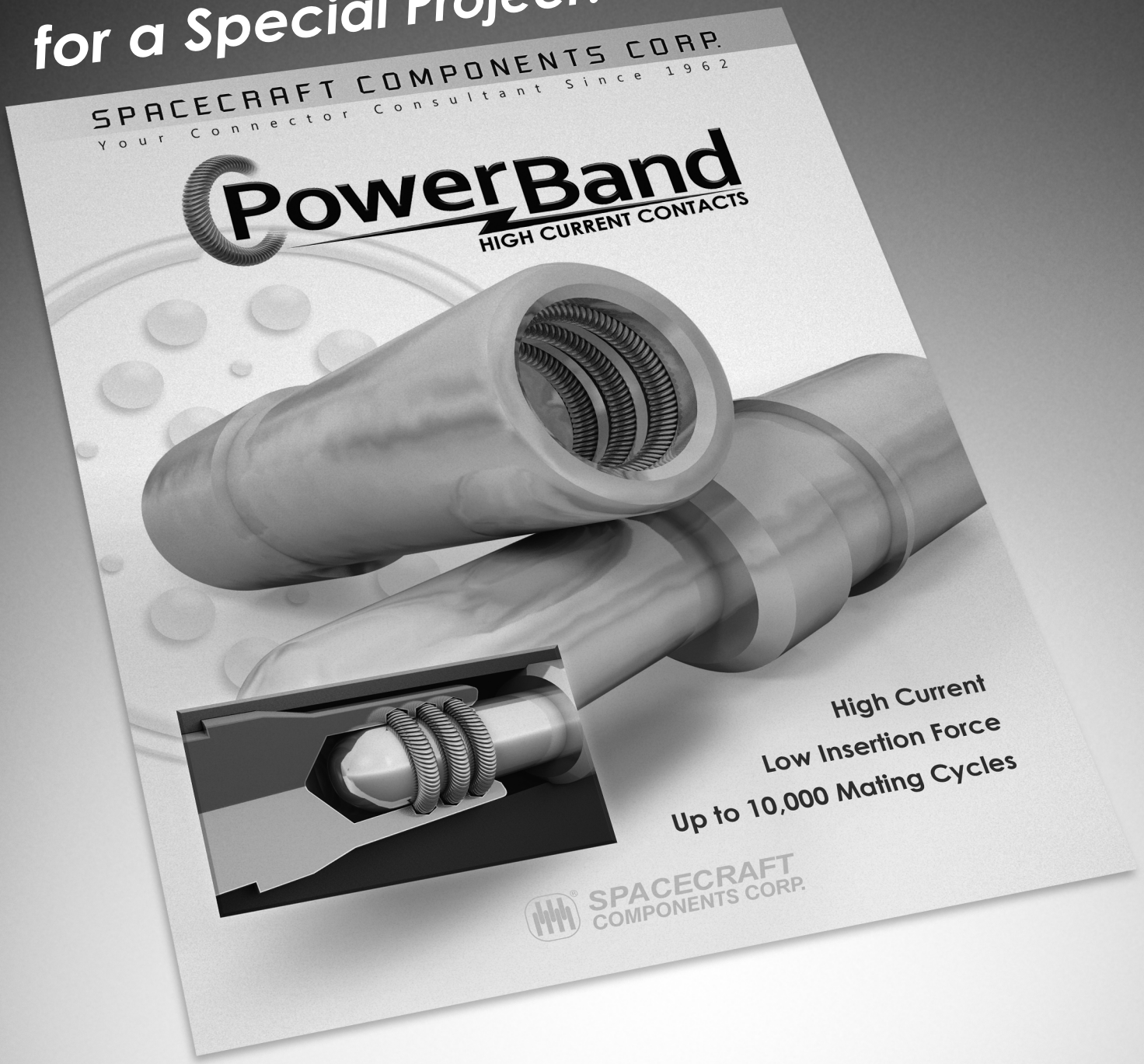
Need a Special Component for a Special Project?



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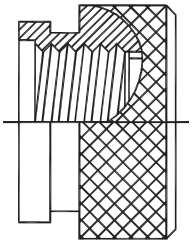
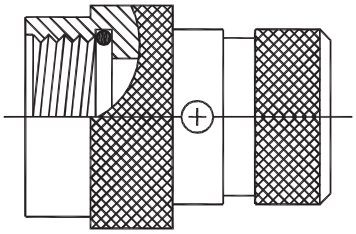
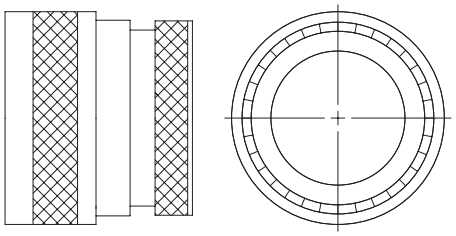
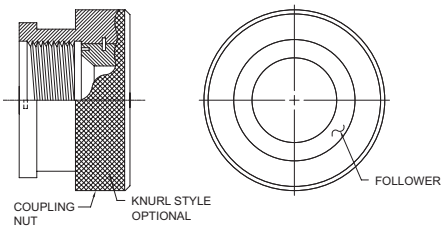
SECTION 4H
CONNECTOR ACCESSORIES QUICK REFERENCE

Description		Spacecraft Part Number	Alternate Part Number	Page Number
Backshell, Straight	Environmental	B049AF11-*	M85049/11	*Cat 402*
	Environmental Shield Termination	B049AF10-*	M85049/10	*Cat 402*
	for Conduit or Cable Clamp	B049AF144-*	M85049/144	8H-2
	Non-Environmental, Self-Locking & Non-Self-Locking	B049AF31-*	M85049/31	4H-2
	Non-Environmental, Shield Termination	B049AF25-*	M85049/25	*Cat 402*
	Self-Locking & Non-Self-Locking, Pre-Attached Shield Termination (RFI/EMI), Shrink Boot Accommodation	B049AF109-*	M85049/109	*Cat 402*
	Self-Locking & Non-Self-Locking, Shield Band Termination (RFI/EMI) Shrink Boot Accommodation	B049AF82-*	M85049/82	*Cat 402*
Backshell, 45°	for Conduit or Cable Clamp	B049AF145-*	M85049/145	8H-3
	Environmental	B049AF07-*	M85049/7	*Cat 402*
	Environmental, Shield Termination	B049AF06-*	M85049/6	*Cat 402*
	Non-Environmental, Shield Termination	B049AF23-*	M85049/23	*Cat 402*
	Self-Locking & Non Self-Locking, Shield Band Termination, (RFI/EMI), Shrink Boot Accommodation	B049AF83-*	M85049/83	*Cat 402*
Backshell, 90°	for Conduit or Cable Clamp	B049AF146-*	M85049/146	8H-4
	Environmental	B049AF09-*	M85049/9	*Cat 402*
	Environmental, Shield Termination	B049AF08-*	M85049/8	*Cat 402*
	Non-Environmental, Shield Termination	B049AF24-*	M85049/24	*Cat 402*
	Self-Locking & Non-Self-Locking, Pre-Attached Shield Termination (RFI/EMI), Shrink Boot Accommodation	B049AF111-*	M85049/111	*Cat 402*
	Self-Locking & Non-Self-Locking, Shield Band Termination, (RFI/EMI), Shrink Boot Accommodation	B049AF84-*	M85049/84	*Cat 402*
Cable Clamp	Environmental Gland Seal	MS3057-*B	M85049/2	12H-1
	Environmental Gland Seal	MS3057-*C	M85049/1	12H-1
	Non-Environmental	MS3057-*A	M85049/41	12H-1
	Non-Environmental	MS3057-*D	M85049/42	12H-1
Dummy Receptacle		DRP19	AS95234/12	14H-4
Dust Cap for Plug, Metal		DCP19	AS95234/10	14H-2
Dust Cap for Receptacle, Metal		DCR19	AS95234/11	14H-3
Dust Cap, Plastic		MS90376-*	M85049/138	*Cat 402*
Gasket for Square Flange Receptacle		930-XXXX-XXX	M85049/130	15H-2
Jam Nut		MS3186	MS3186	16H-2
Nut Plate		B049AF*	–	17H-1
Sealing Plug		MS25251	–	18H-2
		MS27488	–	18H-2
Shield Band Termination		SCPBE-*/SCPSE-*	M85049/128	19H-2
Shrink Boot Adapter		B049AF60-*	M85049/60	*4H-2*
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	12H-2

ACCESSORIES
ADAPTERS FOR SHRINK BOOTS

ILLUSTRATION	DESCRIPTION	CATALOG 402 PAGE
	**B006A** Solid Body	10D-2
	**B006B** Spin Coupling Nut	10D-2
	**B049AF60-1** Spin Coupling Nut	10D-7
	**B049AF60-2G**	10D-8

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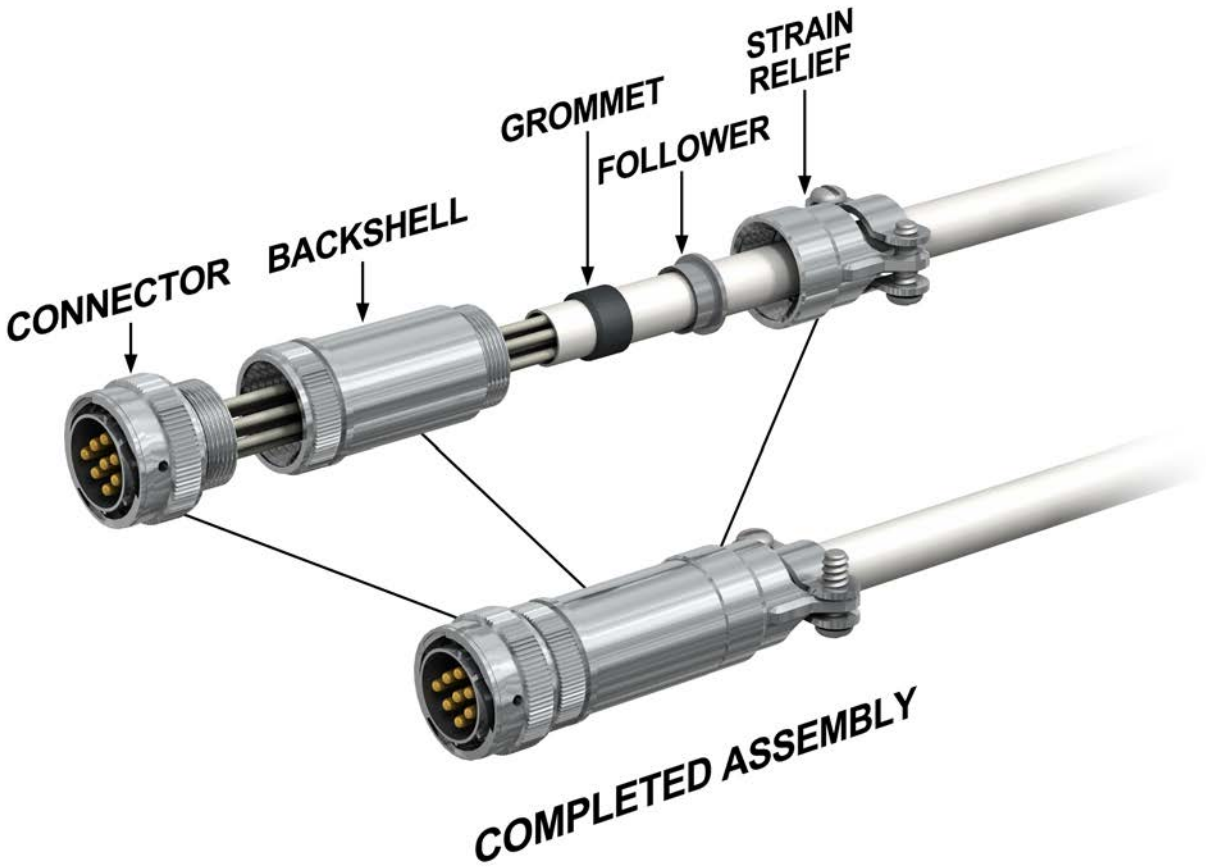
SECTION 5H
BACKSHELLS
ENVIRONMENTAL



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ACCESSORIES
ENVIRONMENTAL BACKSHELLS

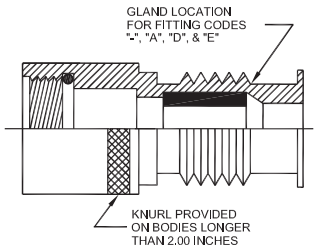
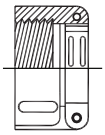
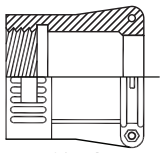
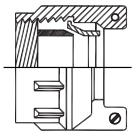
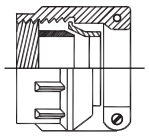
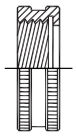
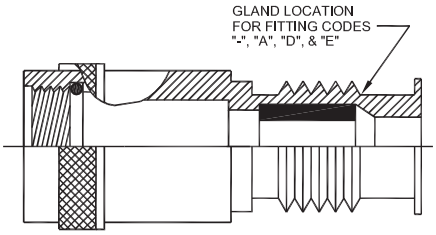
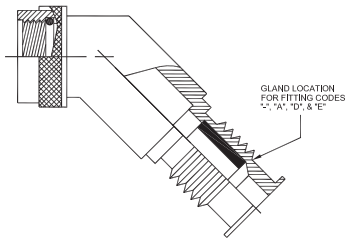
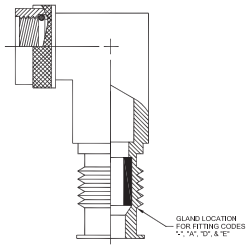
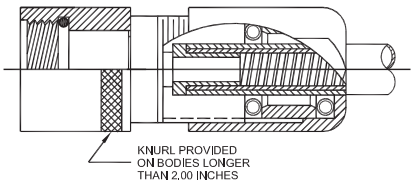
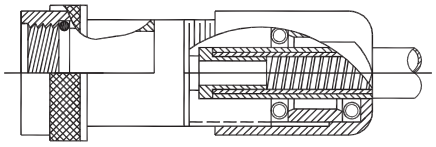
ILLUSTRATION	DESCRIPTION		CATALOG 402 PAGE
	**B002A** Straight Solid Coupling	Examples of Available End Fittings  3057*A  3057*D  3057*B  3057*C  B049AF31	2D-2 6D-11
	**B002B** Straight Spin Coupling		2D-2 6D-11
	**B002CC** 45° Low Profile		2D-2 6D-11
	**B002D** 90° Low Profile		2D-2 6D-11
	**B031A** Straight for Anamet Conduit Solid Coupling		2D-4
	**B031B** Straight for Anamet Conduit Spin Coupling		2D-4

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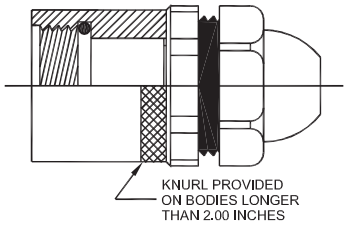
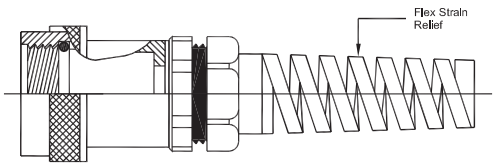
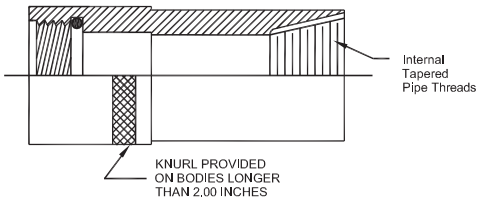
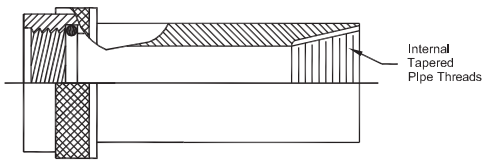
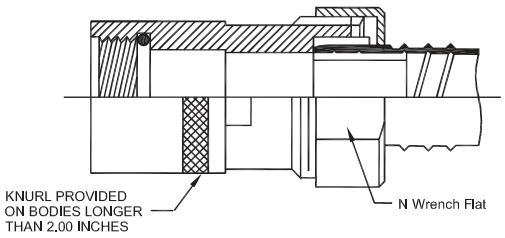
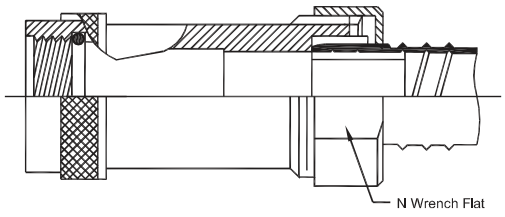
ILLUSTRATION	DESCRIPTION	CATALOG 402 PAGE
	**B033A** Straight for PG Adapter Solid Body No Strain Relief	2D-6
	**B033B** Straight for PG Adapter Spin Coupling With Strain Relief	2D-6
	**B035A** Straight for Pipe Thread Adapters Solid Body	2D-8
	**B035B** Straight for Pipe Thread Adapters Spin Coupling	2D-8
	**B037A** Straight for Sealtite™/Liquidtite Conduit Solid Body	2D-10
	**B037B** Straight for Sealtite™/Liquidtite Conduit Spin Coupling	2D-10

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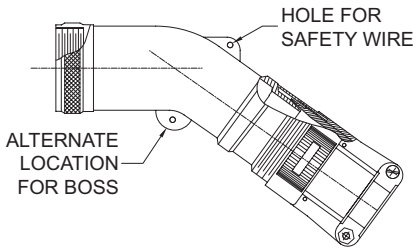
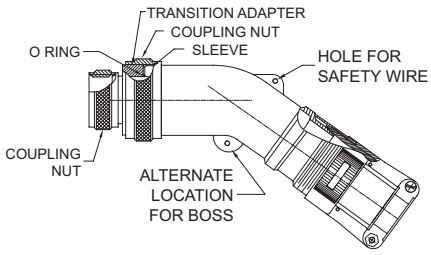
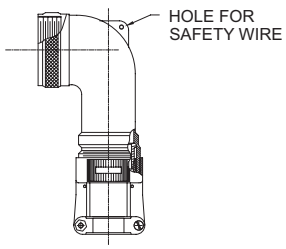
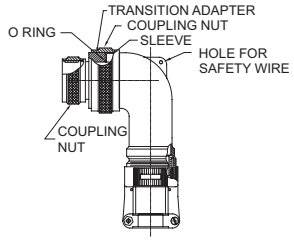
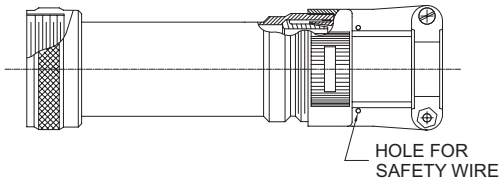
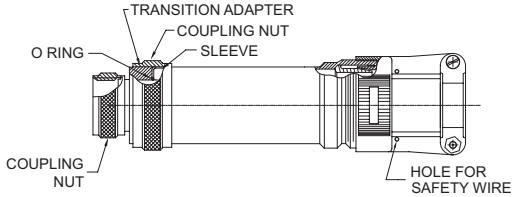
ACCESSORIES
ENVIRONMENTAL BACKSHELLS

ILLUSTRATION	DESCRIPTION	CATALOG 402 PAGE
	**B049AF07** 45° Style 1	2D-16
	**B049AF07** 45° Style 2	2D-16
	**B049AF09** 90° Style 1	2D-20
	**B049AF09** 90° Style 2	2D-20
	**B049AF11** Straight Style 1	2D-24
	**B049AF11** Straight Style 2	2D-24

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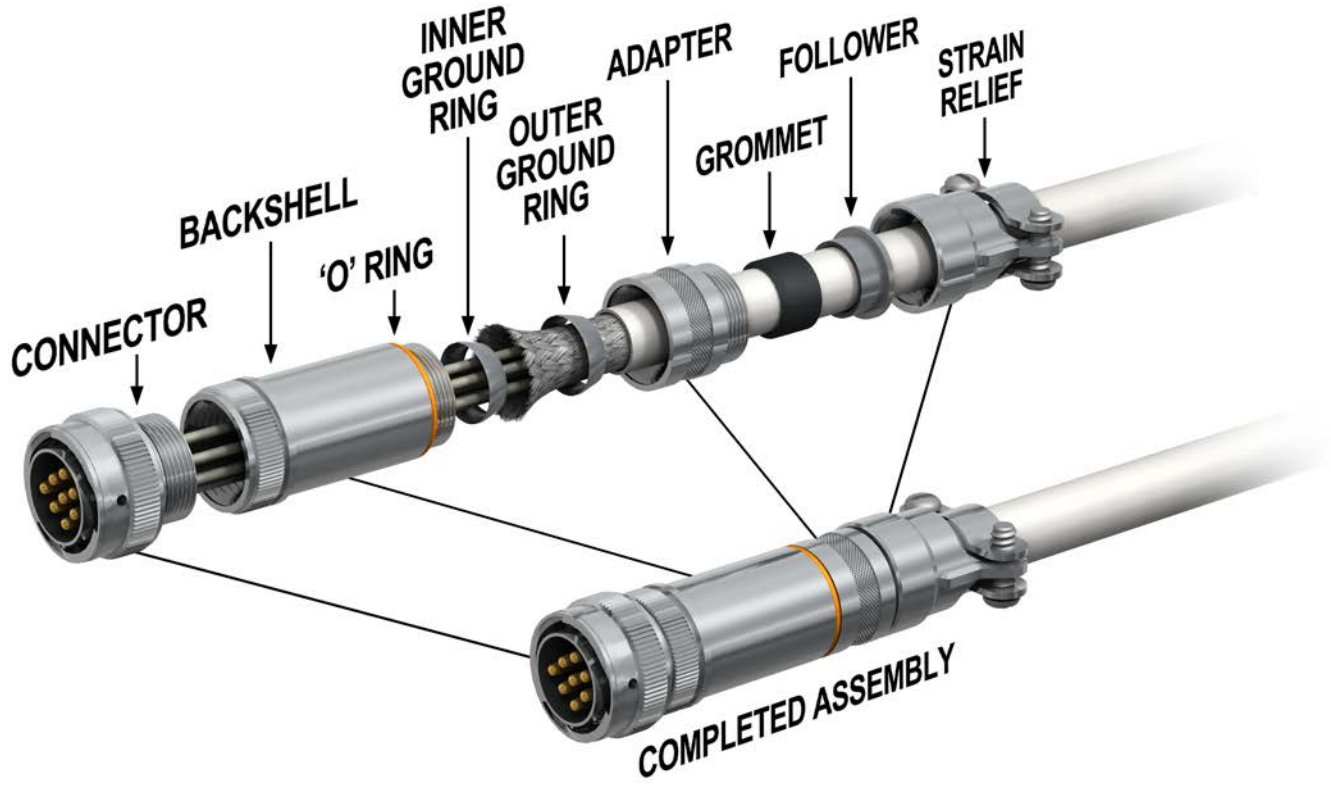
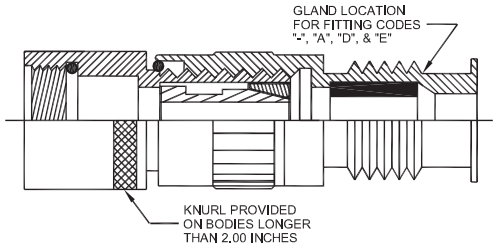
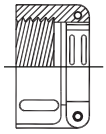
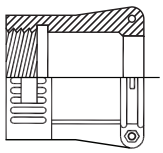
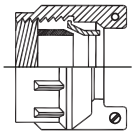
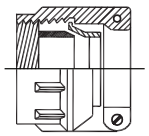
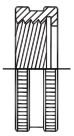
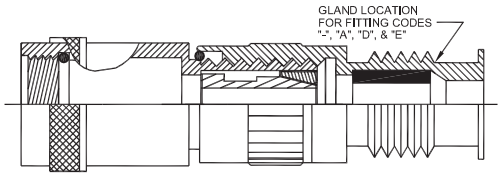
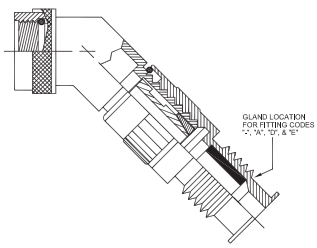
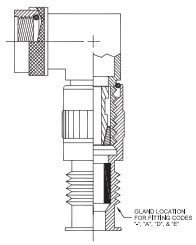
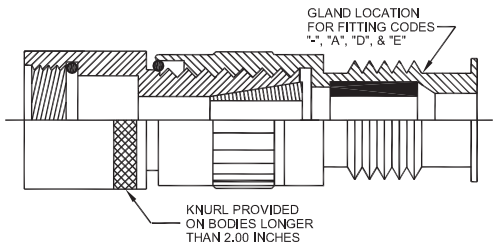
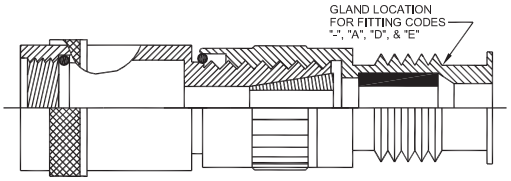
SECTION 6H
BACKSHELLS
ENVIRONMENTAL EMI/RFI



Typical Environmental EMI/RFI Backshell Assembly

ACCESSORIES
ENVIRONMENTAL EMI/RFI BACKSHELLS

ILLUSTRATION	DESCRIPTION		CATALOG 402 PAGE
	**B004A** Straight with Cone Termination Solid Body	Examples of Available End Fittings  **3057*A**  **3057*D**  **3057*B**  **3057*C**  **B049AF31**	3D-2 6D-11
	**B004B** Straight with Cone Termination Spin Coupling		3D-2 6D-11
	**B004CC** 45° with Cone Termination Low Profile		3D-2 6D-11
	**B004D** 90° with Cone Termination Low Profile		3D-2 6D-11
	**B015A** Straight with Inverted Cone Termination Solid Body		3D-4 6D-11
	**B015B** Straight with Inverted Cone Termination Spin Coupling		3D-4 6D-11

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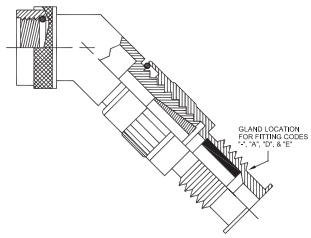
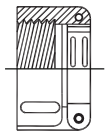
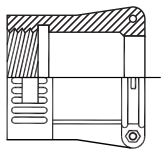
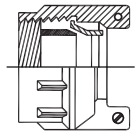
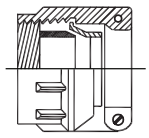
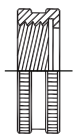
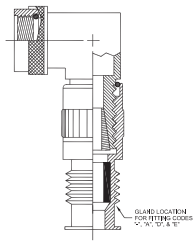
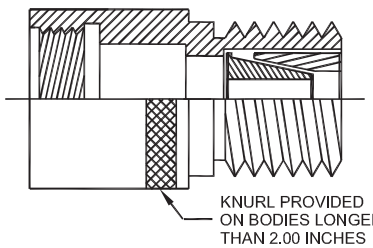
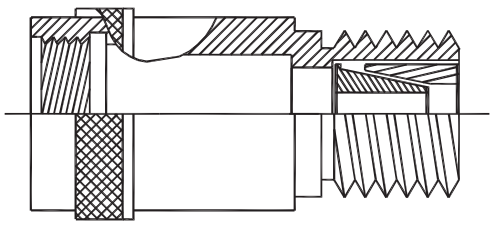
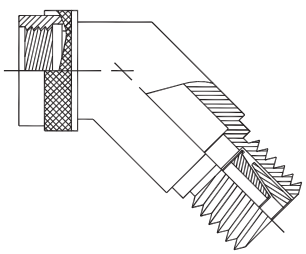
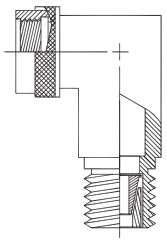
	**B015CC** 45° with Inverted Cone Termination Low Profile	Examples of Available End Fittings  **3057*A**  **3057*D**  **3057*B**  **3057*C**  **B049AF31**	3D-4
	**B015D** 90° with Inverted Cone Termination Low Profile		3D-4
	**B023A** Straight with 2 Ring Termination Solid Body		3D-6
	**B023B** Straight with 2 Ring Termination Spin Coupling		3D-6
	**B023CC** 45° with 2 Ring Termination Low Profile		3D-6
	**B023D** 90° with 2 Ring Termination Low Profile		3D-6

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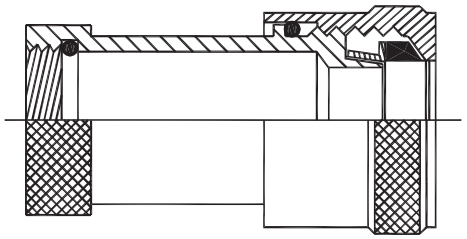
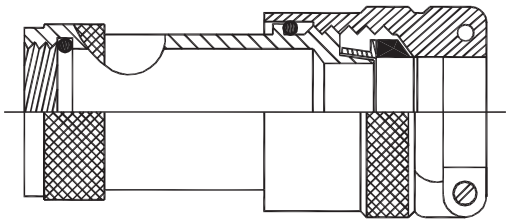
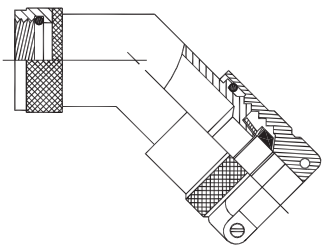
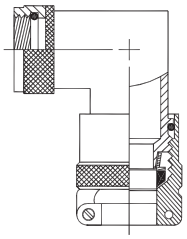
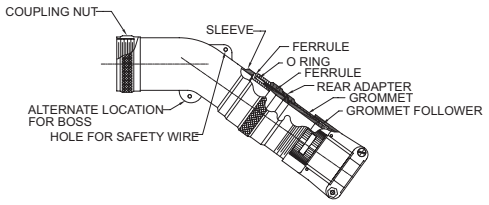
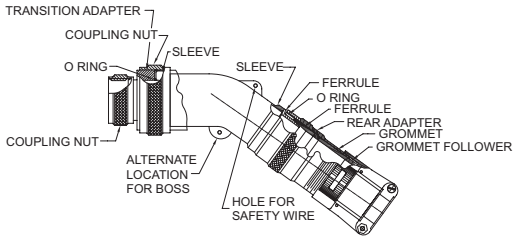
ACCESSORIES
ENVIRONMENTAL EMI/RFI BACKSHELLS

ILLUSTRATION	DESCRIPTION	CATALOG 402 PAGE
	**B043A** Straight Light Weight Type Solid Body *Shown With End Fitting* **G**	3D-8
	**B043B** Straight Light Weight Type Spin Coupling *Shown With End Fitting* **F**	3D-8
	**B043CC** 45° Light Weight Type Low Profile *Shown With End Fitting* **F**	3D-8
	**B043D** 90° Light Weight Type Low Profile *Shown With End Fitting* **F**	3D-8
	**B049AF06** 45° with Cable Clamp Style 1	3D-14
	**B049AF06** 45° with Cable Clamp Style 2	3D-14

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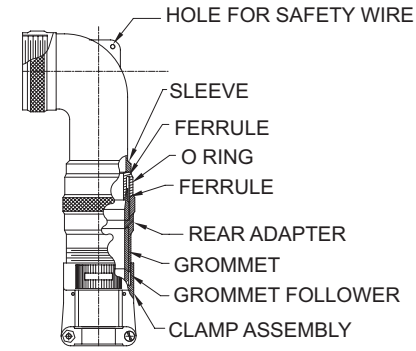
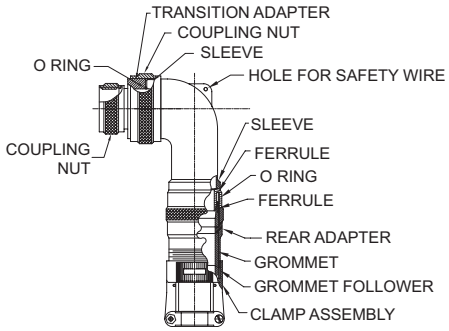
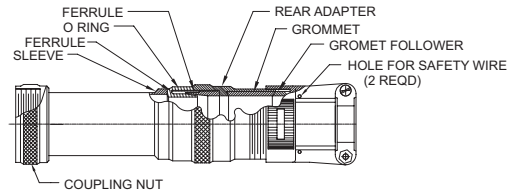
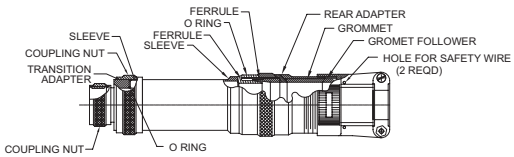
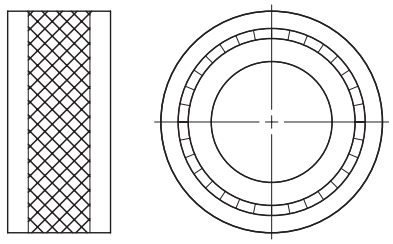
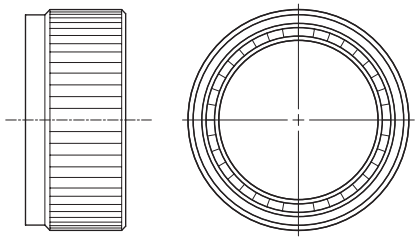
	**B049AF08** 90° with Cable Clamp Style 1	3D-18
	**B049AF08** 90° with Cable Clamp Style 2	3D-18
	**B049AF10** Straight with Cable Clamp Style 1	3D-22
	**B049AF10** Straight with Cable Clamp Style 2	3D-22

6H

SECTION 7H
BACKSHELLS
GROMMET NUTS

ILLUSTRATION	DESCRIPTION	CATALOG 402 PAGE
	**B049AF31**	4D-2
	**B049AF31S** Self-Locking	4D-3

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SECTION 8H
BACKSHELLS
THREADED FOR CABLE CLAMPS OR CONDUIT NON-ENVIRONMENTAL

ADAPTER FOR MS3057 CLAMP OR CONDUIT

STRAIGHT

B049AF144

B049AF 144 S 18 W 08 -6

- **SERIES PREFIX**
- **DASH NUMBER**
- **COUPLING NUT STYLE CODE**
  - **–** Non-Self Locking.
  - **S** Detented Self-Locking with Positive Audible Detent.
  - **N** Non-Detented, Self-Locking.
- **ACCESSORY SHELL SIZE CODE**
- **FINISH CODE**
- **ENTRY SIZE** See Table II Below.
- **ADAPTER BODY LENGTH DASH NO.**

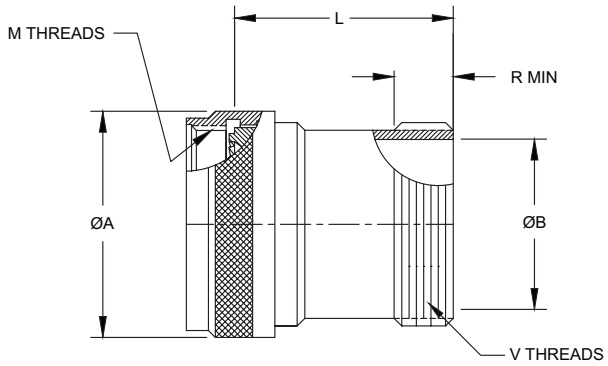

TABLE I

SHELL SIZE CODE	95234 SHELL SIZE	MAXIMUM ALLOWABLE ENTRY SIZE	A MAX. DIA.		M R.H THREAD CLASS 2B
			SELF LOCKING	NON-SELF LOCKING	
10	10S/10SL	04	25.65 [1.010]	18.64 [0.734]	5/8-24 UNEF
12	12S*	06	28.83 [1.135]	21.79 [0.858]	3/4-20 UN
14	14/14S	08	32.00 [1.260]	24.99 [0.984]	7/8-20 UNEF
16	16S	10	35.18 [1.385]	28.24 [1.112]	1-20 UNEF
16	16	10	35.18 [1.385]	28.24 [1.112]	1-20 UNEF
18	18	12	38.35 [1.510]	30.94 [1.218]	1 1/16-18 UNEF
20	20	12	41.53 [1.635]	34.16 [1.345]	1 3/16-18 UNEF
22	22	16	44.70 [1.760]	37.29 [1.468]	1 5/16-18 UNEF
24	24	16	47.88 [1.885]	40.46 [1.593]	1 7/16-18 UNEF
28	28	24	54.23 [2.135]	50.01 [1.969]	1 3/4-18 UNS
32	32	28	60.83 [2.395]	56.36 [2.219]	2-18 UNS
36	36	28	66.93 [2.635]	62.71 [2.469]	2 1/4-16 UN
40	40*	32	73.28 [2.885]	69.06 [2.719]	2 1/2-16 UN

Dimensions in brackets [ ] are in millimeters.
* 12S & 40 not listed in AS95234.

TABLE II

ENTRY SIZE	B WIRE SUNDLE ACCOMMODATION MAX.	R MIN.	V R.H THREAD CLASS 2A
03	.250 [6.4]	.440 [11.18]	.500-28 UNEF
04	.312 [7.9]	.440 [11.18]	.625-24 UNEF
06	.562 [14.3]	.440 [11.18]	.875-20 UNEF
08	.625 [15.9]	.440 [11.18]	.875-20 UNEF
10	.625 [15.9]	.440 [11.18]	1.000-20 UNEF
12	.750 [19.1]	.440 [11.18]	1.188-18 UNEF
16	.938 [23.8]	.440 [11.18]	1.438-18 UNEF
20	1.250 [31.8]	.500 [12.70]	1.750-18 UNS
24	1.375 [34.9]	.560 [13.49]	2.000-18 UNS
28	1.625 [41.3]	.560 [14.22]	2.250-16 UN
32	1.875 [47.6]	.620 [15.75]	2.500-16 UN
40	2.375 [60.3]	.680 [17.27]	3.000-16 UN

Dimensions in brackets [ ] are in millimeters.

TABLE III

DASH NUMBER	L LENGTH ±.031 [±.79]
2	1.000 [25.4]
3	1.500 [38.1]
4	2.000 [50.8]
5	2.500 [63.5]
6	3.000 [76.2]

Dimensions in brackets [ ] are in millimeters.

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ADAPTER FOR MS3057 CLAMP OR CONDUIT

45 DEGREE

B049AF145

B049AF 145 S 18 W 08

SERIES PREFIX

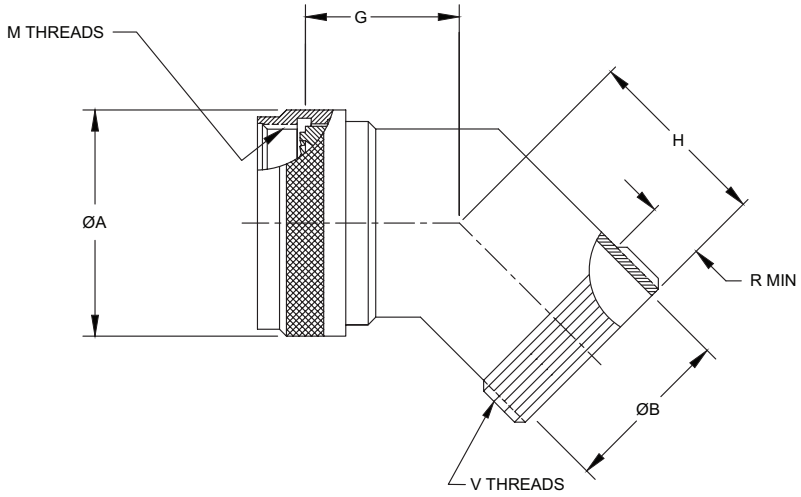
DASH NUMBER

COUPLING NUT STYLE CODE
- **–** Non-Self Locking.
- **S** Detented Self-Locking with Positive Audible Detent.
- **N** Non-Detented, Self-Locking.

ACCESSORY SHELL SIZE CODE

FINISH CODE

ENTRY SIZE
See Table II Below.



4H

TABLE I

SHELL SIZE CODE	95234 SHELL SIZE	MAXIMUM ALLOWABLE ENTRY SIZE	A MAX. DIA.		G MAX.	H MAX.	M R.H THREAD CLASS 2B
			SELF LOCKING	NON-SELF LOCKING			
10	10S/10SL	04	25.65 [1.010]	18.64 [0.754]	25.91 [1.020]	21.18 [1.070]	5/8-24 UNEF
12	12S*	06	28.83 [1.135]	21.79 [0.858]	26.67 [1.050]	28.19 [1.100]	3/4-20 UN
14	14/14S	08	32.00 [1.260]	24.99 [0.984]	26.92 [1.060]	28.19 [1.110]	1/8-20 UNEF
16	16S	10	35.18 [1.385]	28.24 [1.112]	21.69 [1.090]	28.96 [1.140]	1-20 UNEF
16	16	10	35.18 [1.385]	28.24 [1.112]	21.69 [1.090]	28.96 [1.140]	1-20 UNEF
18	18	12	38.35 [1.510]	30.94 [1.218]	28.19 [1.110]	29.21 [1.150]	1 1/16-18 UNEF
20	20	12	41.53 [1.635]	34.16 [1.345]	28.10 [1.130]	29.91 [1.180]	1 3/16-18 UNEF
22	22	16	44.10 [1.760]	31.29 [1.468]	29.46 [1.160]	30.13 [1.210]	1 5/16-18 UNEF
24	24	16	41.88 [1.885]	40.46 [1.593]	29.91 [1.180]	31.24 [1.230]	1 1/16-18 UNEF
28	28	24	54.23 [2.135]	50.01 [1.969]	31.24 [1.230]	35.56 [1.400]	1 3/4-18 UNS
32	32	28	60.83 [2.395]	56.76 [2.219]	32.51 [1.280]	36.83 [1.450]	2-18 UNS
36	36	28	66.93 [2.635]	62.11 [2.469]	33.18 [1.330]	31.85 [1.490]	2 1/4-16 UN
40	40*	32	73.28 [2.885]	69.06 [2.719]	34.80 [1.370]	40.64 [1.600]	2 1/2-16 UN

Dimensions in brackets [ ] are in millimeters.
* 12S & 40 not listed in AS95234.

TABLE II

ENTRY SIZE	B WIRE SUNDLE ACCOMMODATION MAX.	R MIN.	V R.H THREAD CLASS 2A
03	.250 [6.4]	.440 [11.18]	.500-28 UNEF
04	.312 [7.9]	.440 [11.18]	.625-24 UNEF
06	.562 [14.3]	.440 [11.18]	.875-20 UNEF
08	.625 [15.9]	.440 [11.18]	.875-20 UNEF
10	.625 [15.9]	.440 [11.18]	1.000-20 UNEF
12	.750 [19.1]	.440 [11.18]	1.188-18 UNEF
16	.938 [23.8]	.440 [11.18]	1.438-18 UNEF
20	1.250 [31.8]	.500 [12.70]	1.750-18 UNS
24	1.375 [34.9]	.560 [13.49]	2.000-18 UNS
28	1.625 [41.3]	.560 [14.22]	2.250-16 UN
32	1.875 [47.6]	.620 [15.75]	2.500-16 UN
40	2.375 [60.3]	.680 [17.27]	3.000-16 UN

Dimensions in brackets [ ] are in millimeters.

ADAPTER FOR MS3057 CLAMP OR CONDUIT

90 DEGREE

B049AF146

B049AF 146 S 18 W 08

SERIES PREFIX

DASH NUMBER

COUPLING NUT STYLE CODE
- **–** Non-Self Locking.
- **S** Detented Self-Locking with Positive Audible Detent.
- **N** Non-Detented, Self-Locking.

ACCESSORY SHELL SIZE CODE

FINISH CODE

ENTRY SIZE
See Table II Below.

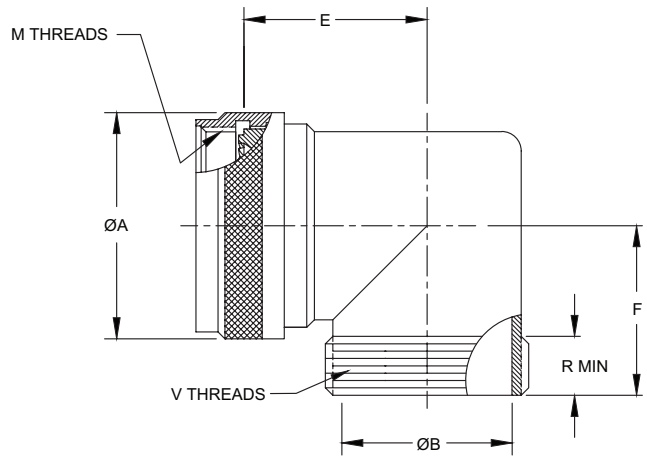


TABLE I

SHELL SIZE CODE	95234 SHELL SIZE	MAXIMUM ALLOWABLE ENTRY SIZE	A MAX. DIA. SELF LOCKING	A MAX. DIA. NON-SELF LOCKING	E MAX.	F MAX.	M R.H THREAD CLASS 2B
10	10S/10SL	04	25.65 [1.010]	18.64 [0.734]	29.97 [1.180]	31.24 [1.230]	5/8-24 UNEF
12	12S*	06	28.83 [1.135]	21.79 [0.858]	31.75 [1.250]	33.02 [1.300]	3/4-20 UN
14	14/14S	08	32.00 [1.260]	24.99 [0.984]	32.77 [1.290]	34.04 [1.340]	7/8-20 UNEF
16	16S	10	35.18 [1.385]	28.24 [1.112]	34.29 [1.350]	35.56 [1.400]	1-20 UNEF
16	16	10	35.18 [1.385]	28.24 [1.112]	34.29 [1.350]	35.56 [1.400]	1-20 UNEF
18	18	12	38.35 [1.510]	30.94 [1.218]	35.31 [1.390]	36.58 [1.440]	1 1/16-18 UNEF
20	20	12	41.53 [1.635]	34.16 [1.345]	36.83 [1.450]	38.10 [1.500]	1 3/16-18 UNEF
22	22	16	44.70 [1.760]	37.29 [1.468]	38.61 [1.520]	39.62 [1.560]	1 5/16-18 UNEF
24	24	16	47.88 [1.385]	40.46 [1.593]	39.88 [1.570]	41.15 [1.620]	1 7/16-18 UNEF
28	28	24	54.23 [2.135]	50.01 [1.969]	42.93 [1.690]	41.24 [1.860]	1 3/4-18 UNS
32	32	28	60.83 [2.395]	56.36 [2.219]	45.91 [1.810]	50.29 [1.980]	2-18 UNS
36	36	28	66.93 [2.635]	62.11 [2.469]	48.77 [1.920]	53.09 [2.090]	2 1/4-16 UN
40	40*	32	73.28 [2.885]	69.06 [2.719]	51.05 [2.010]	57.40 [2.260]	2 1/2-16 UN

Dimensions in brackets [ ] are in millimeters.
* 12S & 40 not listed in AS95234.

TABLE II

ENTRY SIZE	B WIRE SUNDLE ACCOMMODATION MAX.	R MIN.	V R.H THREAD CLASS 2A
03	.250 [6.4]	.440 [11.18]	.500-28 UNEF
04	.312 [7.9]	.440 [11.18]	.625-24 UNEF
06	.562 [14.3]	.440 [11.18]	.875-20 UNEF
08	.625 [15.9]	.440 [11.18]	.875-20 UNEF
10	.625 [15.9]	.440 [11.18]	1.000-20 UNEF
12	.750 [19.1]	.440 [11.18]	1.188-18 UNEF
16	.938 [23.8]	.440 [11.18]	1.438-18 UNEF
20	1.250 [31.8]	.500 [12.70]	1.750-18 UNS
24	1.375 [34.9]	.560 [13.49]	2.000-18 UNS
28	1.625 [41.3]	.560 [14.22]	2.250-16 UN
32	1.875 [47.6]	.620 [15.75]	2.500-16 UN
40	2.375 [60.3]	.680 [17.27]	3.000-16 UN

Dimensions in brackets [ ] are in millimeters.

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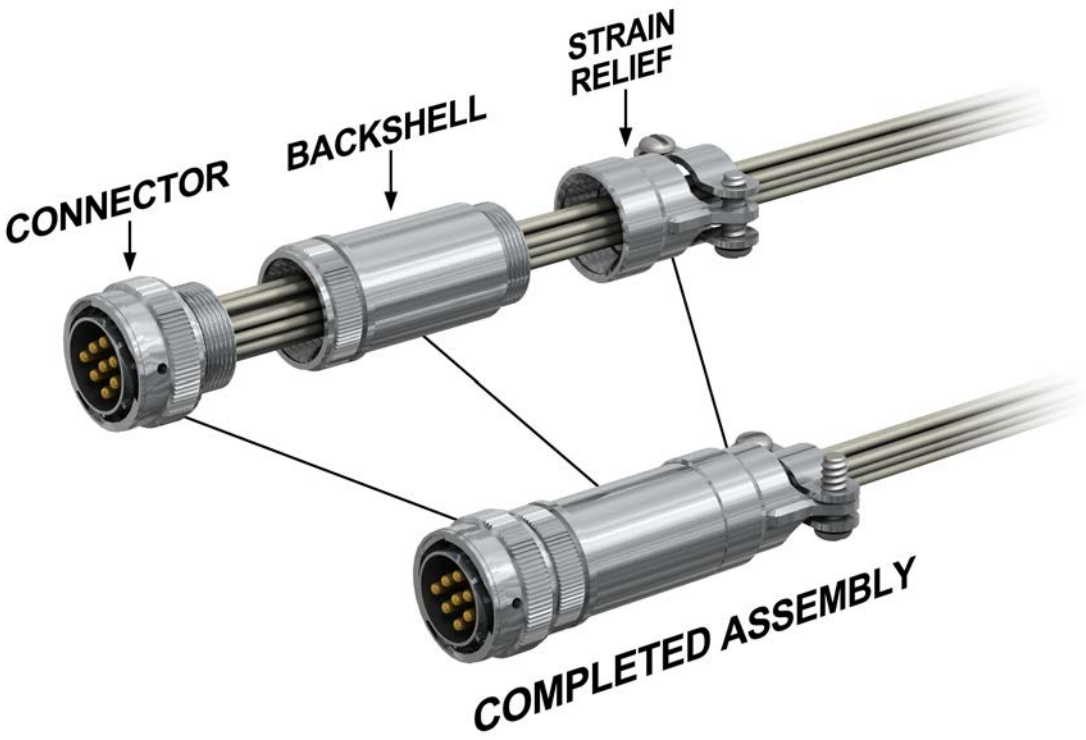
SECTION 9H
BACKSHELLS
NON-ENVIRONMENTAL



Typical Non-Environmental Backshell Assembly

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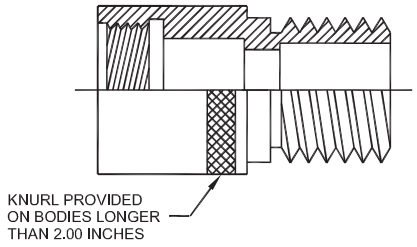
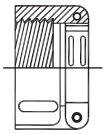
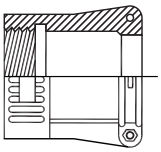
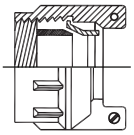
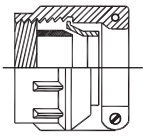
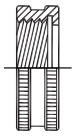
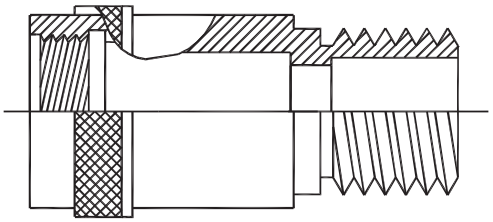
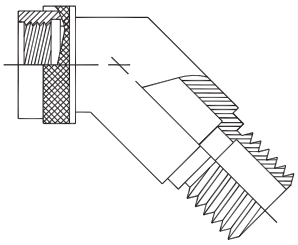
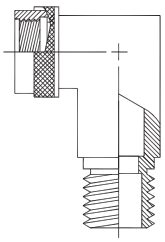
ACCESSORIES
NON-ENVIRONMENTAL BACKSHELLS

ILLUSTRATION	DESCRIPTION		CATALOG 402 PAGE
	**B001A** Straight Non-Environmental Solid Body	Examples of Available End Fittings  3057*A  3057*D  3057*B  3057*C  B049AF31	5D-2
	**B001B** Straight Non-Environmental Spin Coupling		5D-2
	**B001CC** 45° Non-Environmental Low Profile		5D-2
	**B001D** 90° Non-Environmental Low Profile		5D-2

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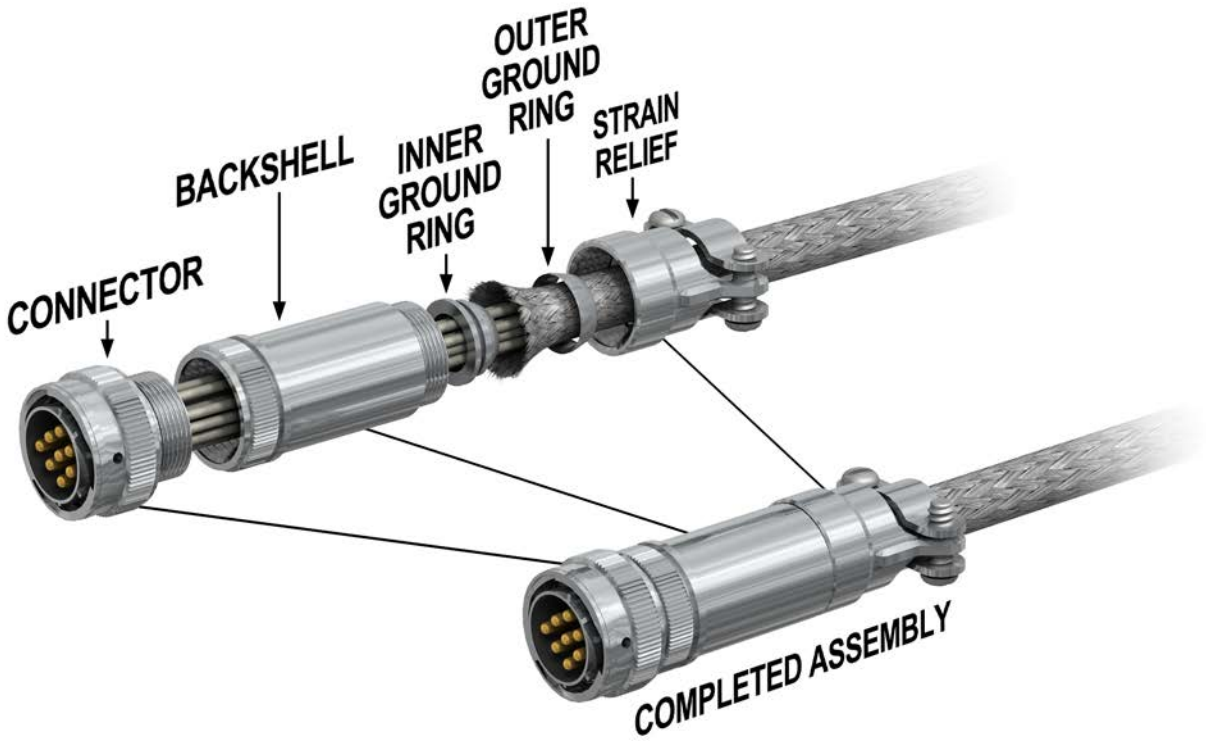
SECTION 10H
BACKSHELLS
NON-ENVIRONMENTAL EMI/RFI



Typical Non-Environmental EMI/RFI Backshell Assembly

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ACCESSORIES
NON-ENVIRONMENTAL EMI/RFI BACKSHELLS

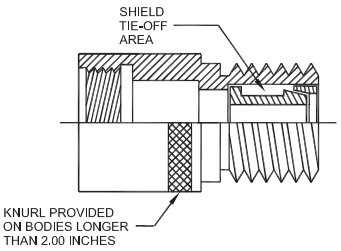
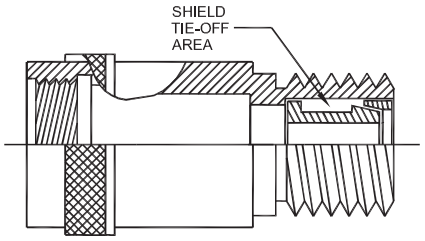
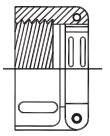
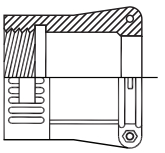
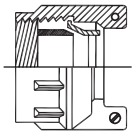
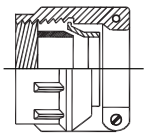
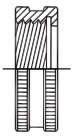
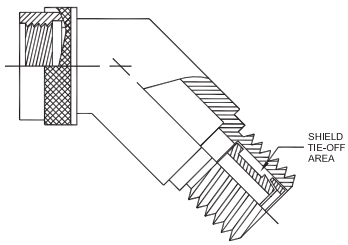
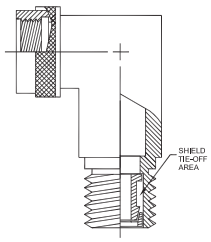
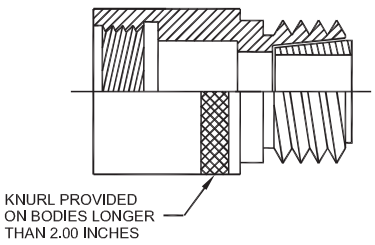
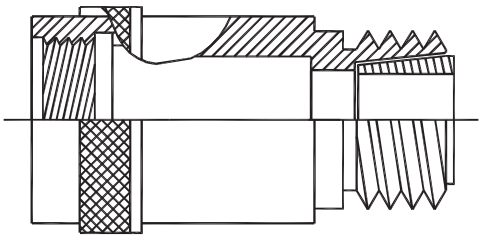
ILLUSTRATION	DESCRIPTION		CATALOG 402 PAGE
	**B003A** Straight with Cone Termination Solid Body		6D-2
	**B003B** Straight with Cone Termination Spin Coupling	Examples of Available End Fittings  **3057*A**  **3057*D**  **3057*B**  **3057*C**  **B049AF31**	6D-2
	**B003CC** 45° with Cone Termination Low Profile		6D-2
	**B003D** 90° with Cone Termination Low Profile		6D-2
	**B014A** Straight with Inverted Cone Termination Solid Body		6D-4
	**B014B** Straight with Inverted Cone Termination Spin Coupling		6D-4

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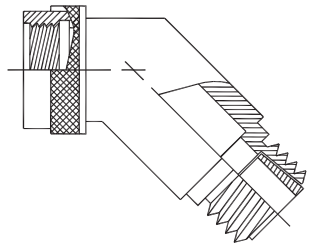
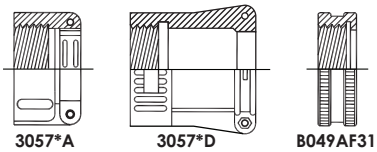
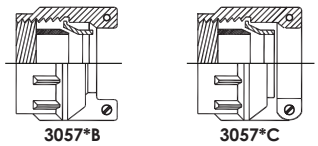
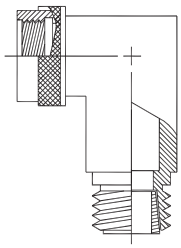
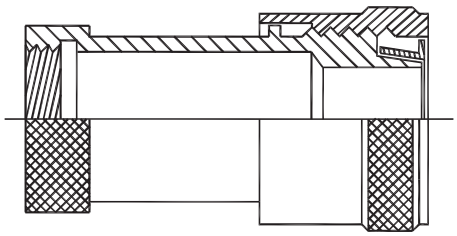
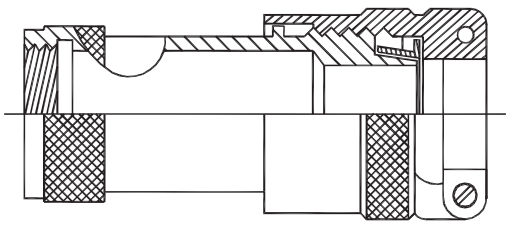
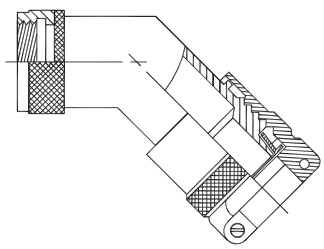
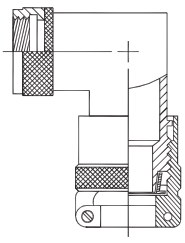
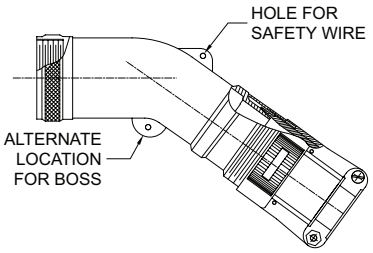
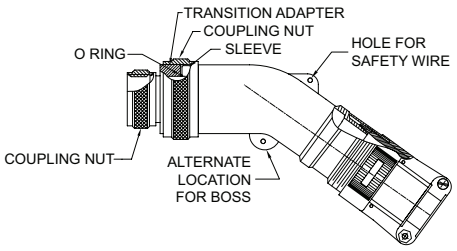
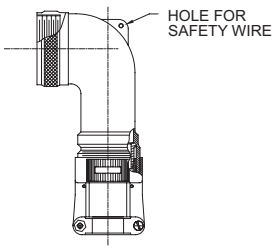
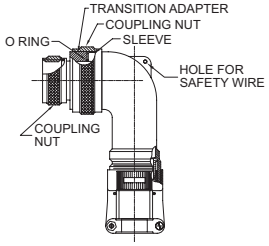
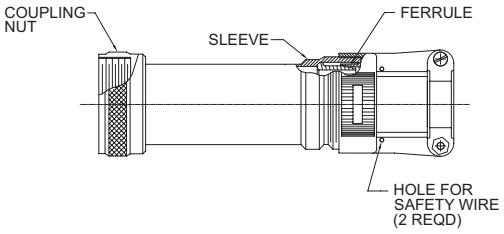
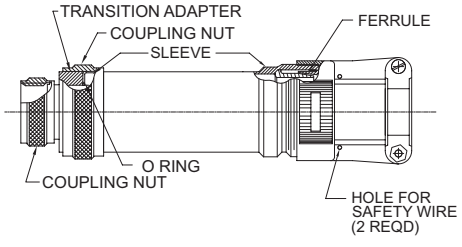
ILLUSTRATION	DESCRIPTION		CATALOG 402 PAGE
	**B014CC** 45° with Inverted Cone Termination Low Profile	Examples of Available End Fittings  3057*A 3057*D B049AF31  3057*B 3057*C	6D-4
	**B014D** 90° with Inverted Cone Termination Low Profile		6D-4
	**B042A** Straight Light Weight Solid Body *Shown with End Fitting G*		6D-6
	**B042B** Straight Light Weight Spin Coupling *Shown with End Fitting F*		6D-6
	**B042CC** 45° Light Weight Low Profile *Shown with End Fitting F*		6D-6
	**B042D** 90° Light Weight Low Profile *Shown with End Fitting F*		6D-6

ACCESSORIES
NON-ENVIRONMENTAL EMI/RFI BACKSHELLS

ILLUSTRATION	DESCRIPTION	CATALOG 402 PAGE
	**B049AF23** 45° with Cable Clamp Style 1	6D-12
	**B049AF23** 45° with Cable Clamp Style 2	6D-12
	**B049AF24** 90° with Cable Clamp Style 1	6D-16
	**B049AF24** 90° with Cable Clamp Style 2	6D-16
	**B049AF25** Straight with Cable Clamp Style 1	6D-20
	**B049AF25** Straight with Cable Clamp Style 2	6D-20

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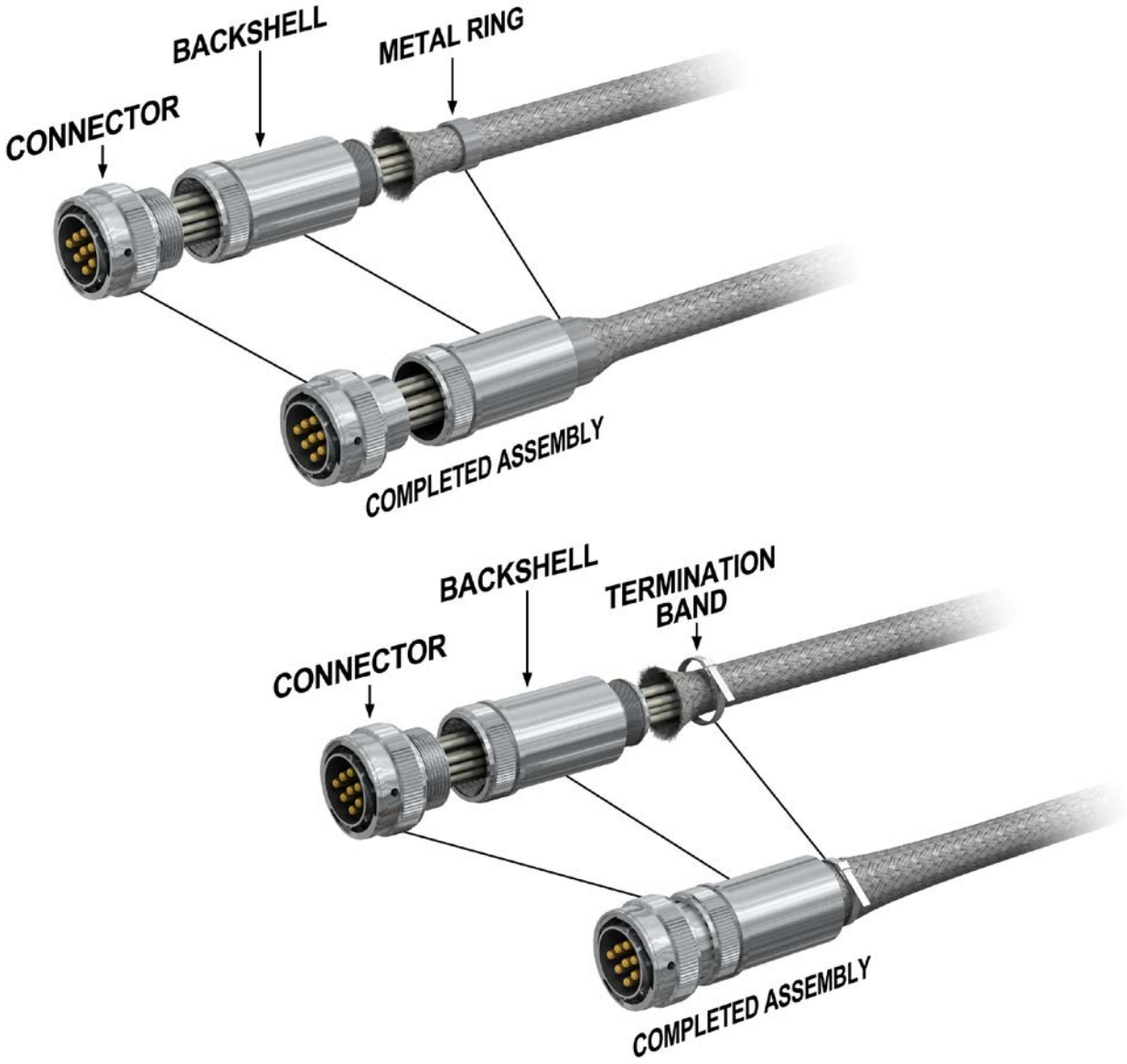
SECTION 11H
BACKSHELLS
SHIELD TERMINATIONS



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ACCESSORIES
SHIELD TERMINATION BACKSHELLS

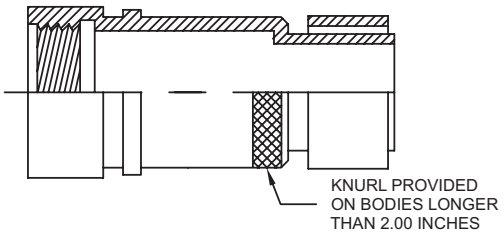
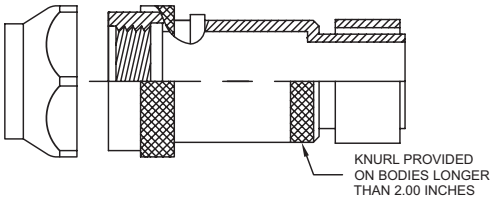
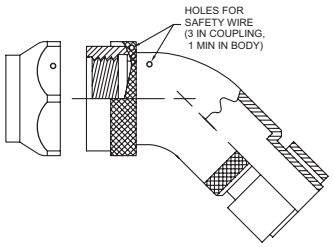
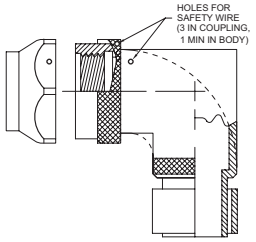
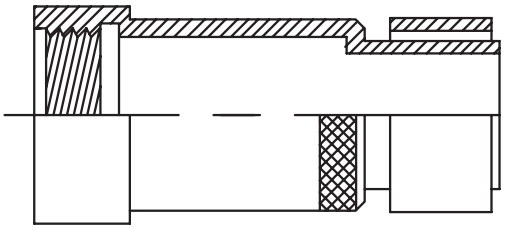
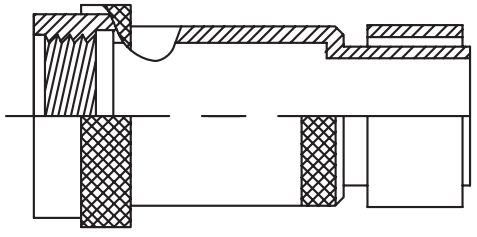
ILLUSTRATION	DESCRIPTION	CATALOG 402 PAGE
	**B005A** Straight Crimp Ring for Shrink Boot Solid Body	8D-2
	**B005B** Straight Crimp Ring for Shrink Boot Spin Coupling	8D-2
	**B005CC** 45° Crimp Ring for Shrink Boot Low Profile	8D-2
	**B005D** 90° Crimp Ring for Shrink Boot Low Profile	8D-2
	**B007A** Straight Crimp Ring Solid Body	8D-4
	**B007B** Straight Crimp Ring Spin Coupling	8D-4

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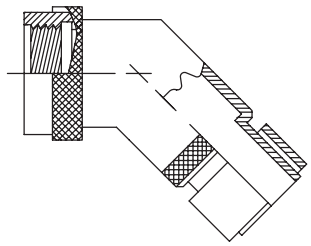
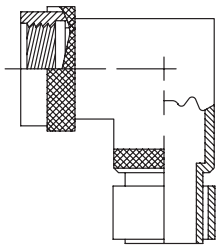
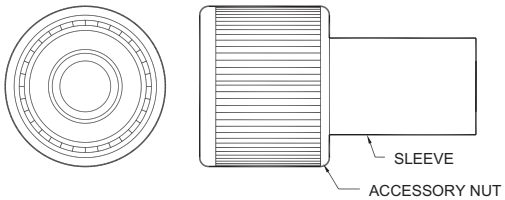
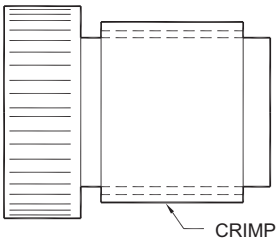
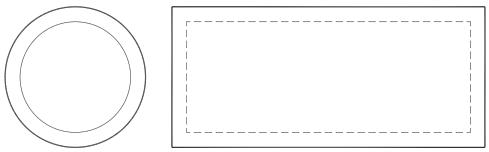
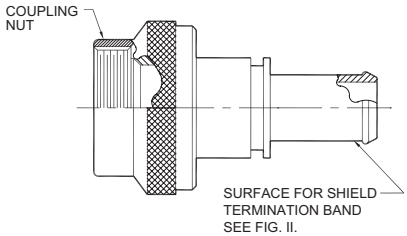
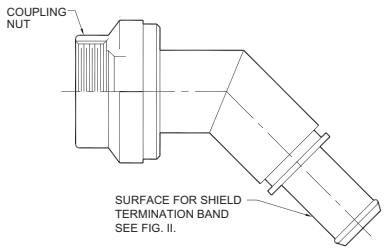
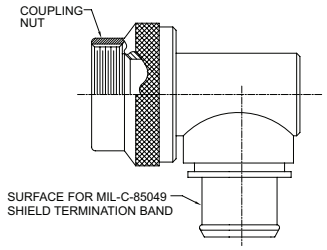
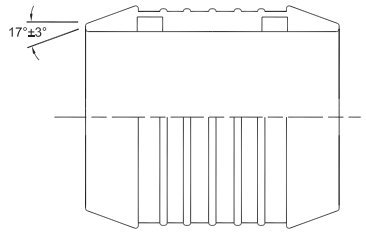
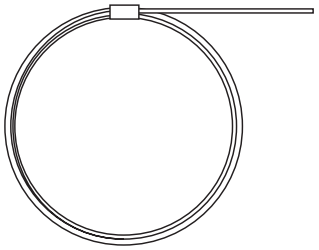
ILLUSTRATION	DESCRIPTION	CATALOG 402 PAGE
	**B007CC** 45° Crimp Ring Low Profile	8D-4
	**B007D** 90° Crimp Ring Low Profile	8D-4
	**B049AF26-1** Straight	8D-10
	**B049AF26-3** Straight Backshell Assembly	8D-10
	**B049AF26-2** Crimp Ring	8D-12
	**B049AF82** Straight Self-Locking Shield Band Termination	8D-13

ACCESSORIES
SHIELD TERMINATION BACKSHELLS

ILLUSTRATION	DESCRIPTION	CATALOG 402 PAGE
	**B049AF83** 45° Self-Locking Shield Band Termination	8D-14
	**B049AF84** 90° Self-Locking Shield Band Termination	8D-16
	**B049BG93** Composite Split Support Ring	8D-33
	**M85049/128** Termination Bands	8D-34

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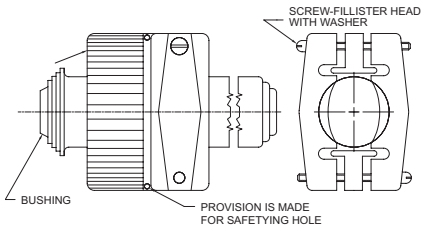
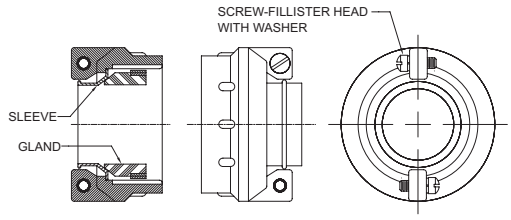
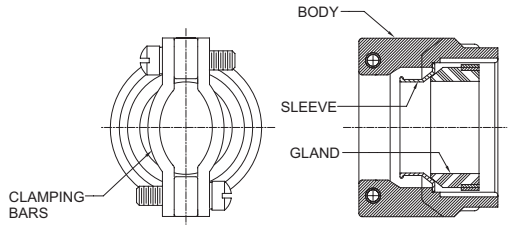
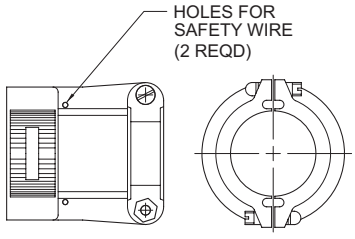
SECTION 12H
CABLE CLAMPS & TELESCOPING BUSHINGS

ACCESSORIES
CABLE CLAMPS

ILLUSTRATION	DESCRIPTION	CATALOG 402 PAGE
	**MS3057-*A** M85049/41* Non-Environmental	11D-18
	**MS3057-*B** M85049/1* Non-Environmental	11D-19
	**MS3057-*C** M85049/2-* Environmental	11D-20
	**MS3057-*D** M85049/42-* Non-Environmental	11D-21

TELESCOPING RUBBER BUSHING

M85049/139, MS3420-*

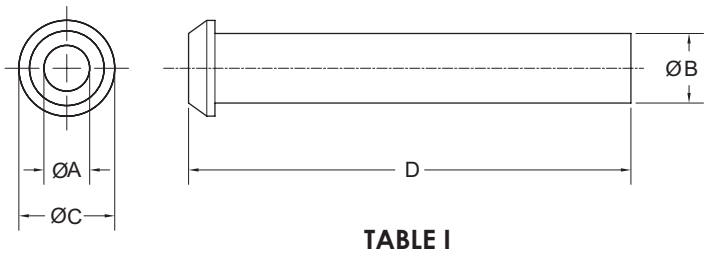


TABLE I

DASH NO.	AØ	BØ	CØ	D	MS3420-* SUPERSEDES		SC229468
					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	-3
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	-4
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	-6
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	-8
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	-10
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	-12
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	-16
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	-20
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	-24
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	-28
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	-32
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	-40

Dimensions in brackets [ ] are in millimeters.

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.

M85049/139, MS3420-*A

TABLE I

DASH NO.	ØE	ØF	MS3420-*A SUPERSEDES		SC229469
			AN3420	MS39057	
3	.150 [3.8] .110 [2.8]	.230 [5.8] .190 [4.8]	-3A	-1	-3
4	.240 [6.1] .200 [5.1]	.322 [8.2] .282 [7.2]	-4A	-2	-4
6	.332 [8.4] .292 [7.4]	.447 [11.4] .407 [10.3]	-6A	-3	-6
8	.464 [11.8] .410 [10.4]	.579 [14.7] .525 [13 3]	-8A	-4	-8
10	.464 [11 8] 410 [10.4]	.642 [16.3] .588 [14.9]	-10A	-5	-10
12	.568 [14.4] .514 [13.1]	.767 [19.5] .713 [18.1]	-12A	-6	-12
16	.777 [19.7] .723 [18.4]	.954 [24.2] .900 [22.9]	-16A	-7	-16
18	.976 [24.8] .898 [22.8]	1.142 [29.0] 1.088 [27.6]	-18A	-8	-18
20	.976 [24.8] .898 [22.8]	1.279 [32.5] 1.201 [30.5]	-20A	-9	-20
24	1.164 [29.6] 1.086 [27.6]	1.404 [35.7] 1.326 [33.7]	-24A	-10	-24
28	1.289 [32.7] 1.211 [30.8]	1.653 [42.0] 1.575 [40.0]	-28A	-11	-28
32	1.676 [42.6] 1.574 [40.0]	1.916 [48.7] 1.814 [46.1]	-32A	-12	-32
40	1.926 [48.9] 1.824 [46.3]	2.416 [61.4] 2 314 [58 8]	-40A	-13	-40

Dimensions in brackets [ ] are in millimeters.

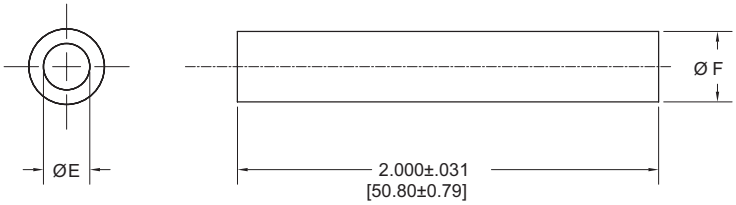
ORDERING INFORMATION

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.



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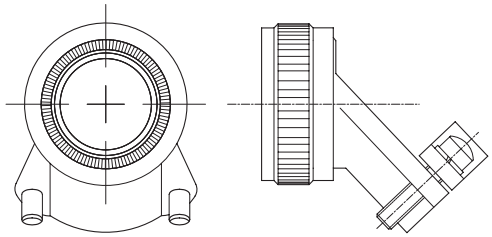
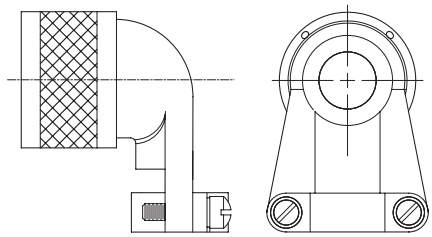
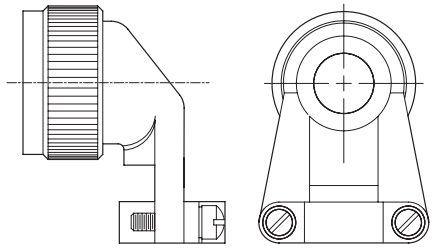
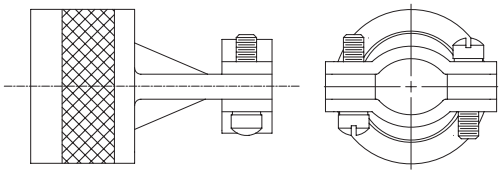
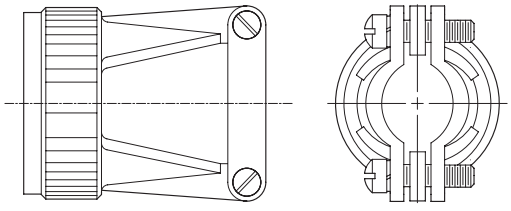
SECTION 13H
STRAIN RELIEFS

ILLUSTRATION	DESCRIPTION	CATALOG 402 PAGE
	**B049AF43** 45° Non-Locking	11D-2
	**B049AF51-1** 90° Non-Locking	11D-3
	**B049AF51S** 90° Self-Locking	11D-4
	**B049AF52-1** Straight Non-Locking	11D-5
	**B049AF52S** Straight Self-Locking	11D-6

13H

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SECTION 14H
DUST CAPS & DUMMY RECEPTACLES

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DUST CAP FOR PLUG

DCP19 AS95234/10*

AS95234/10 W 18 N

- **SPECIFICATION**
- **SLASH SHEET**
- **FINISH**
  See Table below.
- **STYLE**
  - **C** With Chain.
  - **N** With Ring.
  - **R** Wire Rope.
- **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 13H-5.
- **SHELL SIZE**
  See Tables below.
- **MATERIAL:**
  Chain - Stainless steel
- **GASKET MATERIAL**
  See Table III on Page 13H-5.
- **ATTACHMENT CODE**
  See Table II on Page 13H-5.
- **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 13H-5.

FINISH/MATERIAL

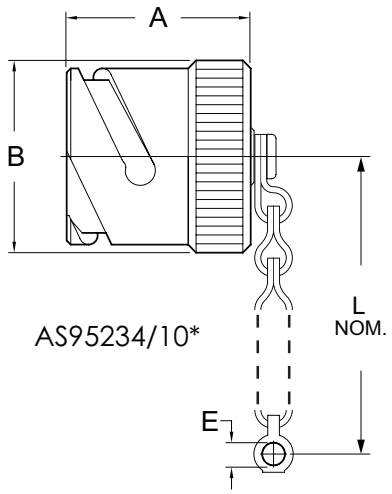
TEMPERATURE: -55°C TO +125°C
Except for "S" which is:-65°C to 175°C

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 below.

STYLE
C With Chain.
N With Ring.
R Wire Rope.

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 13H-5.

SHELL SIZE
See Tables below.

MATERIAL:
Cap - Aluminum alloy
Chain - Stainless steel

END FITTING DESIGNATION
See Tables IV & V on Page 13H-5.

LENGTH OF ATTACHMENT (±.250)
Designate in 1/2" increments
(Always use two digits. i.e.,
08=4 inches, 12=6 inches, etc.)

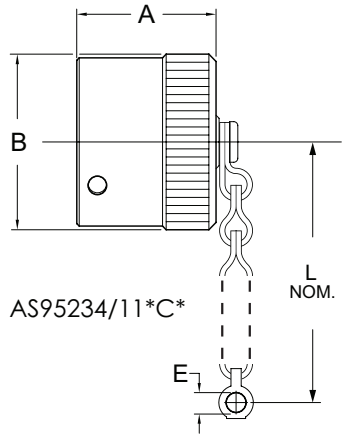
ATTACHMENT CODE
See Table II on Page 13H-5.

GASKET MATERIAL
See Table III on Page 13H-5.

FINISH/MATERIAL

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

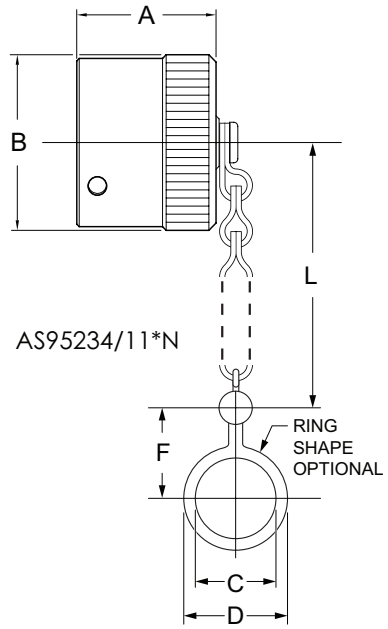
CODE	FINISH	MATERIAL
A	Black Anodize	Aluminum
B	Cadmium, Black	Stainless Steel
S	Passivate	Stainless Steel
W	Cadmium, Olive Drab	Aluminum
X	Fluorocarbon, Nickel	Aluminum
XS	Fluorocarbon, Nickel	Stainless Steel
Y	Electro Deposited Alum.	Aluminum
YS	Electro Deposited Alum.	Stainless Steel
Z	Zinc Nickel	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]	4.50 [114]	.173 [4.4]	.896 [22.76]	1.183 [30.05]	.844 [21.44]
14S	.787 [20.0]	1.201 [30.5]	5.00 [127]	.173 [4.4]	1.141 [28.98]	1.516 [38.51]	1.007 [25.58]
16S	.787 [20.0]	1.299 [33.0]	5.00 [127]	.173 [4.4]	1.266 [32.16]	1.641 [41.68]	1.070 [27.18]
16	.984 [25.0]	1.299 [33.0]	5.00 [127]	.173 [4.4]	1.266 [32.16]	1.641 [41.68]	1.070 [27.18]
18	.984 [25.0]	1.476 [37.5]	5.50 [140]	.173 [4.4]	1.391 [35.33]	1.766 [44.86]	1.132 [28.75]
20	.984 [25.0]	1.614 [41.0]	5.50 [140]	.173 [4.4]	1.536 [39.01]	1.898 [48.21]	1.339 [34.01]
22	.984 [25.0]	1.732 [44.0]	5.50 [140]	.173 [4.4]	1.641 [41.68]	2.015 [51.18]	1.417 [35.99]
24	.984 [25.0]	1.870 [47.5]	8.25 [210]	.173 [4.4]	1.766 [44.86]	2.125 [53.98]	1.312 [33.32]
28	.984 [25.0]	2.146 [54.5]	8.25 [210]	.220 [5.6]	2.078 [52.78]	2.453 [62.31]	1.476 [37.49]
32	.984 [25.0]	2.402 [61.0]	8.25 [210]	.220 [5.6]	2.265 [57.53]	2.645 [67.18]	1.635 [41.53]
36	.984 [25.0]	2.657 [67.5]	8.25 [210]	.220 [5.6]	2.510 [63.75]	2.890 [73.41]	1.750 [44.45]
40▲	.984 [25.0]	2.874 [73.0]	8.25 [210]	.220 [5.6]	–	–	–

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



DUMMY RECEPTACLE

DRP19 AS95234/12*

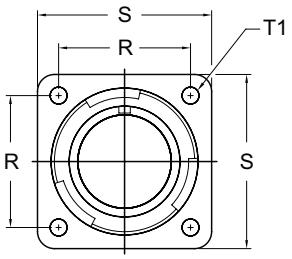
AS95234/12 W 18

- **SPECIFICATION**
- **SLASH SHEET**
- **FINISH** — See Table below.
- **SHELL SIZE** — **10SL, 14S, 16S, 16, 18, 20, 22, 24, 28, 32, 36.**

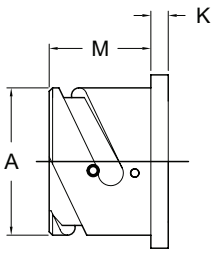
DRP 19 UN A 22 S

- **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 13H-5.
- **SHELL SIZE** — See Table below.
- **GASKET MATERIAL** — See Table III on Page 13H-5.
- **MODIFICATION**
  - **Blank** No modification.
  - Consult factory for codes.

FRONT VIEW

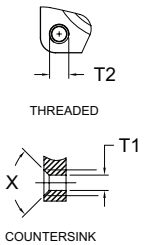


SIDE VIEW



ENVIRONMENTAL WHEN USED WITH A FLANGE SEALING GASKET SCP36675 OR SCP4050

MOUNTING HOLE OPTIONS AVAILABLE FOR DRP SERIES



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

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**

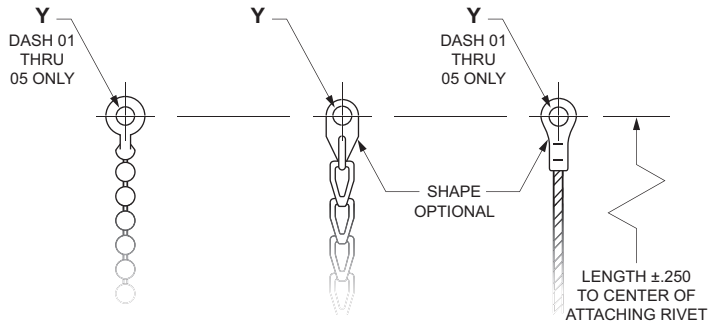


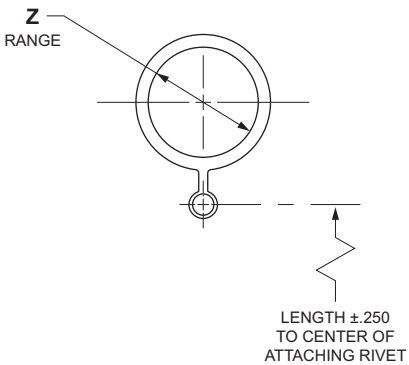
TABLE V. RING END FITTING SIZES
(NOT USED WITH ATTACHMENT CODE A)

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

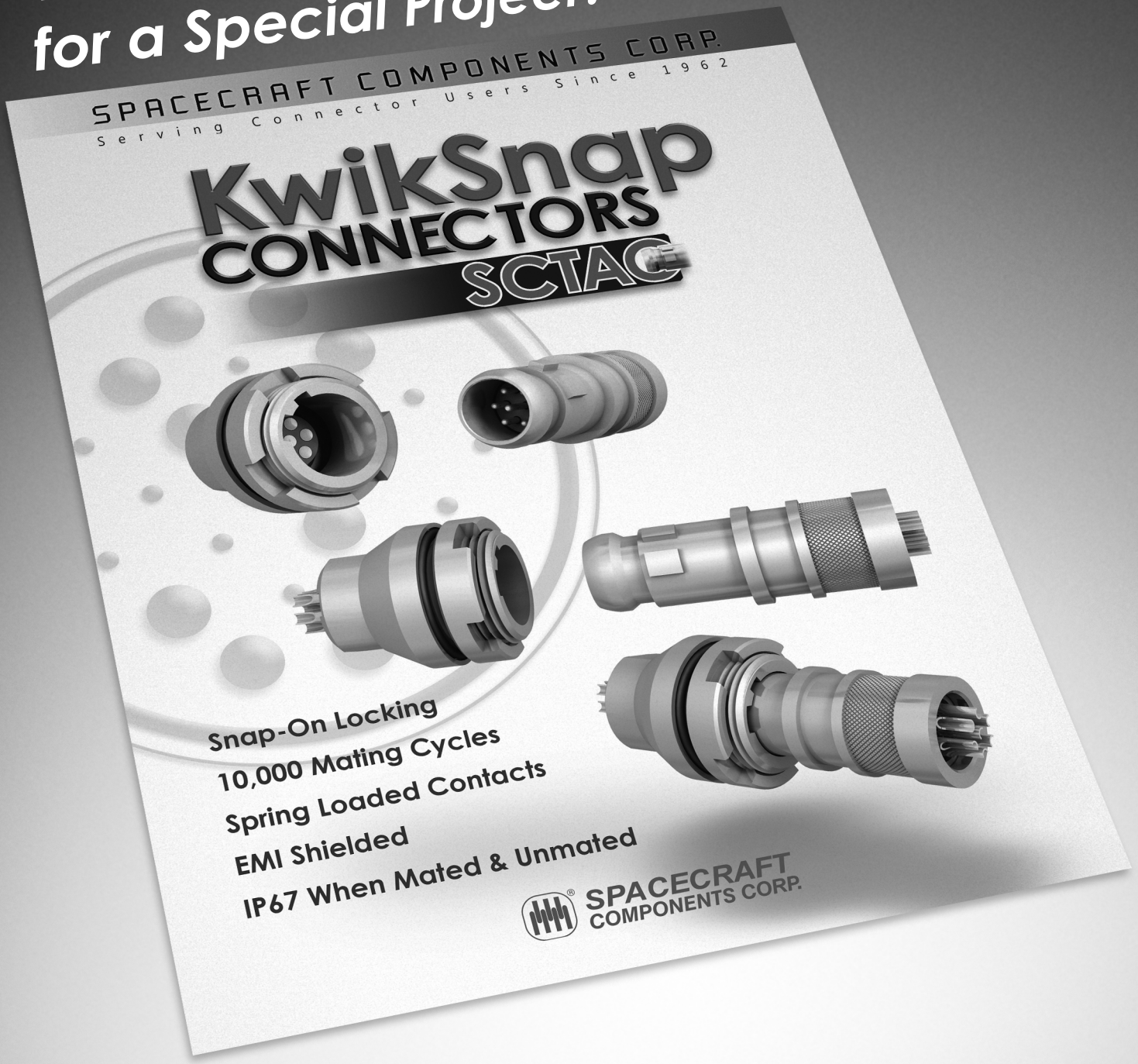
Z RANGE	DASH NO. CODE
1.276 - 1.266	42
1.322 - 1.302	17
1.401 - 1.391	43
1.448 - 1.428	18
1.546 - 1.536	44
1.572 - 1.552	19
1.651 - 1.641	45
1.698 - 1.678	20
1.776 - 1.766	46
1.822 - 1.802	21
1.948 - 1.928	22
2.026 - 2.016	23
2.088 - 2.078	24

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



Need a Special Component for a Special Project?



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.

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SECTION 15H
GASKETS FOR FLANGE MOUNT RECEPTACLES

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GASKETS FOR FLANGE MOUNT RECEPTACLES

AS95234

SCP36675, SCP40450, SCP40460, M85049/130

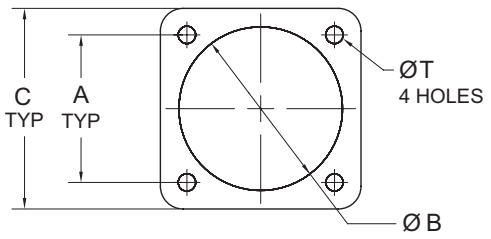
SCP40450 - 20 H

PART NUMBER

SHELL SIZE

MATERIAL

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



AS95234 REVERSE BAYONET SHELL TYPES: AS95234/2, AS95234/4, SCPB00*, SCPB02*, SCPB020*, SCPBTBF* FRONT PANEL MOUNT	AS95234 REVERSE BAYONET SHELL TYPES: AS95234/3, AS95234/5, SCPB03*, SCPB030* REAR 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 #	M85049 /130
–	–	SCP36675-8	SCP40450-8	.594 [15.09]	.500 [12.70]	.875 [22.23]	.172 [4.37]	930-0890-XXX	–
10SL	–	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	–	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	–	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	–	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	–	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	–	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	–	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	–	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	–	SCP36675-28	SCP40450-28	1.563 [39.70]	1.750 [44.45]	2.000 [50.80]	.203 [5.16]	930-2890-XXX	-36
–	28	–	SCP40460-28	1.563 [39.70]	1.840 [46.70]	2.000 [50.80]	.203 [5.16]	930-2891-XXX	–
32	–	SCP36675-32	SCP40450-32	1.750 [44.45]	2.000 [50.80]	2.250 [57.15]	.219 [5.56]	930-3290-XXX	-40
–	32	–	SCP40460-32	1.750 [44.45]	2.102 [53.40]	2.250 [57.15]	.219 [5.56]	930-3291-XXX	–
36	–	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	–	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	–

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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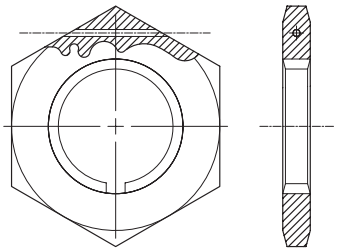
SECTION 16H
JAM NUTS

ILLUSTRATION	DESCRIPTION	CATALOG 402 PAGE
	**MS3186** Hexagonal Mounting Nut	14D-4

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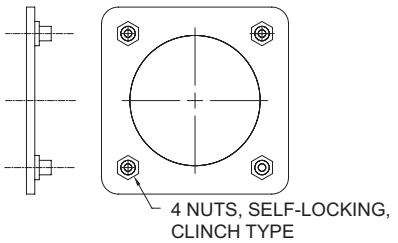
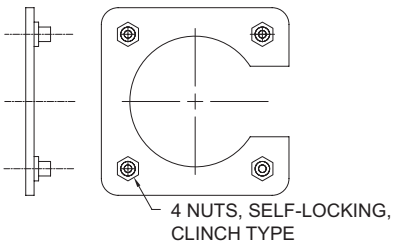
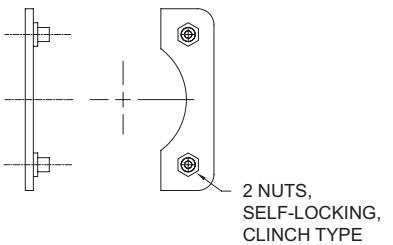
SECTION 17H
NUT PLATES

ILLUSTRATION	DESCRIPTION	CATALOG 402 PAGE
	**B049AF94** Full Mount, Type I Heavy Duty	15D-2
	**B049AF95** 3/4 Mount, Type II (Medium Duty)	15D-4
	**B049AF96** 1/4 Mount, Type II (Light Duty)	15D-6

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SECTION 18H
SEALING PLUGS

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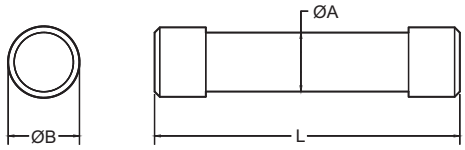
SEALING PLUG
MS25251

MS25251 - 8

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



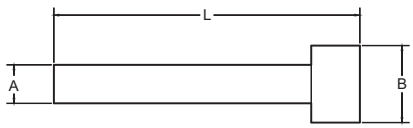
DASH NO.	MAT'L	WIRE SIZE	COLOR	ØA MAX.	ØB MAX.	L MAX.	SUPERSEDED BY REV. L
-8	NYLON	8	WHITE	.200 [5.08]	.235 [5.97]	.479 [12.17]	MS27488-8
-12	NYLON	12	YELLOW	.150 [3.81]	.187 [4.75]	.479 [12.17]	MS27488-12
-16	NYLON	16	BLUE	.115 [2.92]	.152 [3.86]	.479 [12.17]	MS27488-16
-20	NYLON	20	RED	.095 [2.41]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

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SECTION 19H
TERMINATION BANDS

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MINI-BANDS (.115 WIDE)

M85049/128

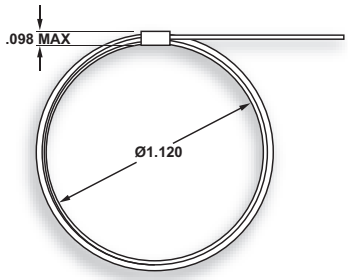
M85049/128-8

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

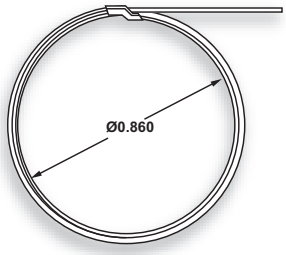
M85049/128-5 & M85049/128-6
SCPSE-04F & SCPSE-04C
TERMINATION TOOLS:
DANIELS': DBS-1201▲
SUNBANK: STS-1201▲
M81306/2-02▲

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

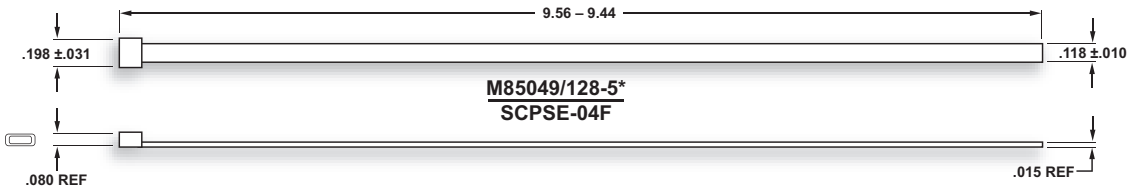
● One Step Tool
▲ Two Step Tool

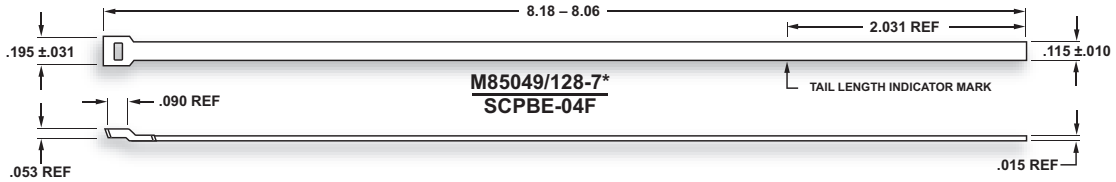


M85049/128-6*
SCPSE-04C

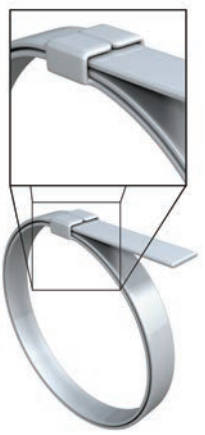


M85049/128-8*
SCPBE-04C



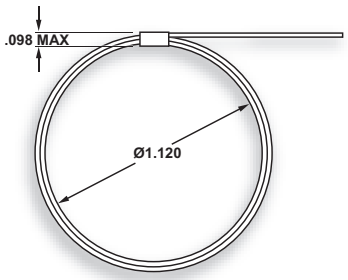


MINI-BANDS (.115 WIDE)

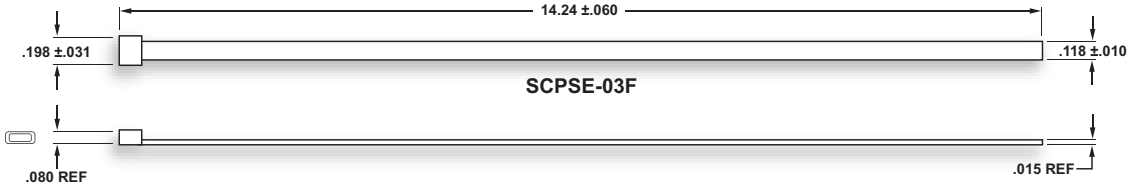


SCPSE-03F & SCPSE-03C
TERMINATION TOOLS:
DANIELS': DBS-1201▲
SUNBANK: STS-1201▲
M81306/2-02▲

▲ Two Step Tool



SCPSE-03C



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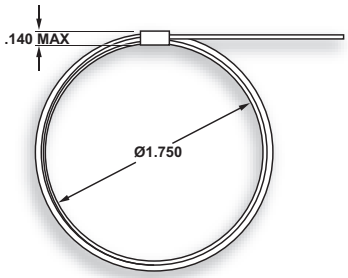
(.245 WIDE) QUARTER-INCH TERMINATION BANDS
M85049/128

M85049/128-2

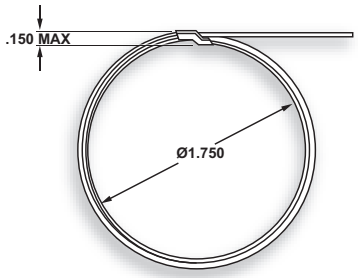
M85049/128-1 & M85049/128-2
SCPSE-02F & SCPSE-02C
TERMINATION TOOLS:
DANIELS': DBS-1101▲
SUNBANK: STS-1101▲
M81306/2-01▲

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

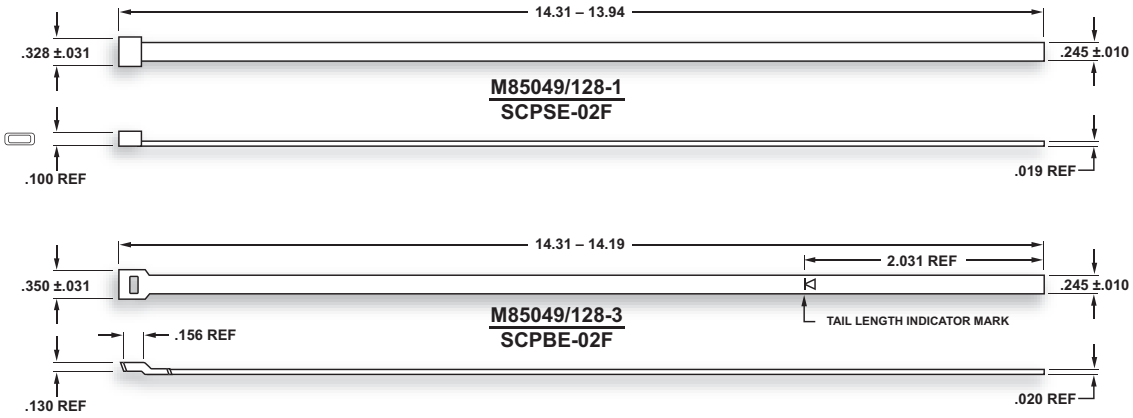


M85049/128-2
SCPSE-02C



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.)

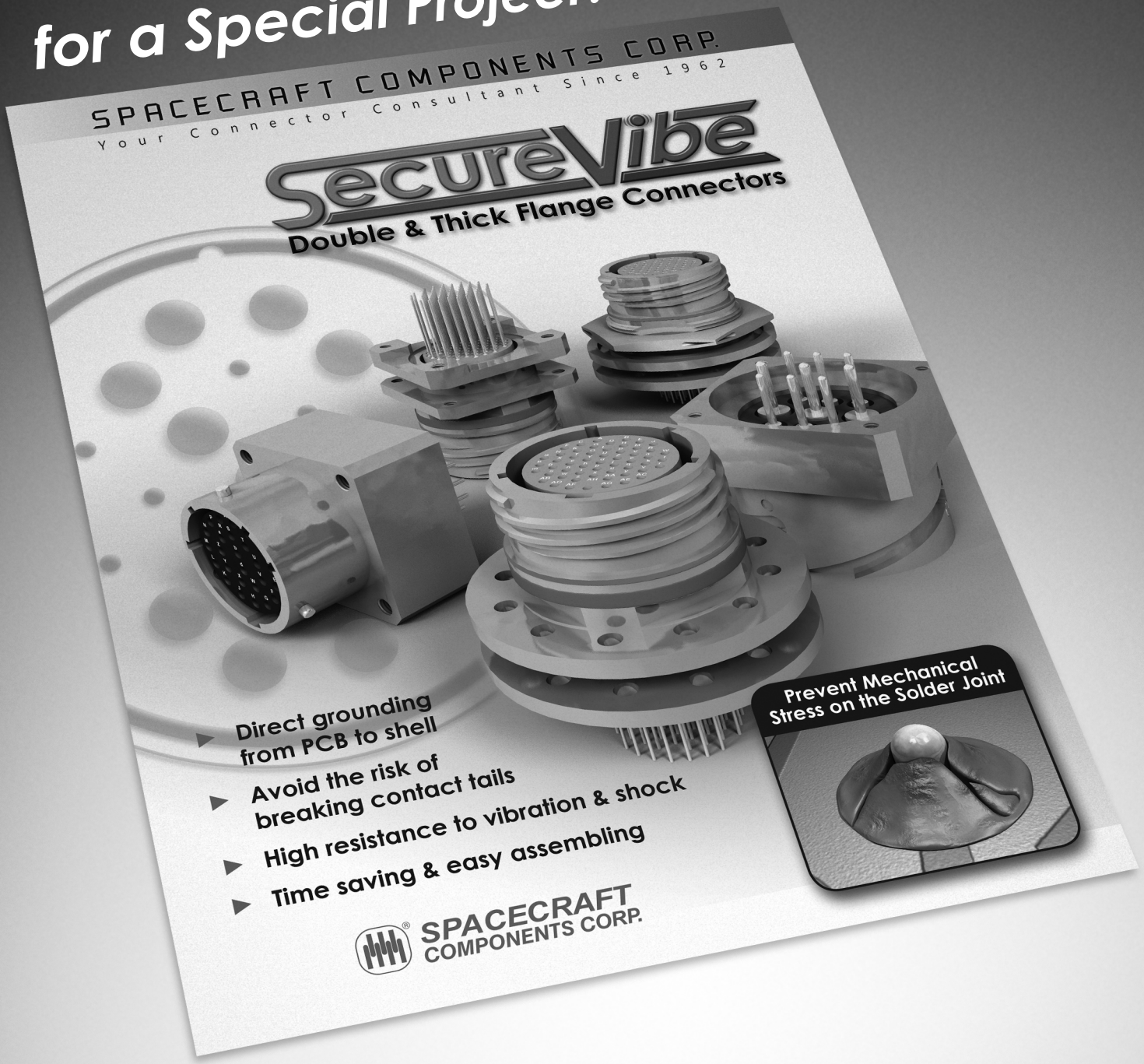
The cutter blade and other components of the DMC Pneumatic Band tools are interchangeable with the same series hand tools. The rugged design and field replaceable blades make the PBT/PMBT series the best choice for production applications where EMI/RFI bands are used to terminate wire harness shielding.

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.

Need a Special Component for a Special Project?



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SECTION 20H
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CROSS REFERENCE/INDEX

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CS Contact our Sales Department for information on this part.

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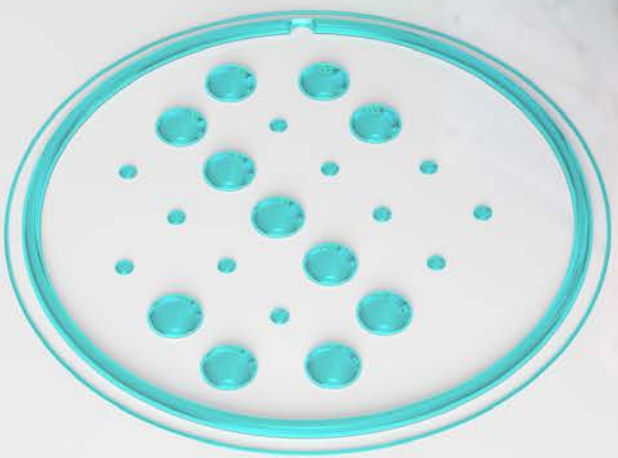

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