SPACECRAFT COMPONENTS CORP.

Your Connector Consultant Since 1962

Multi-Pin Power Cylindrical Connectors



Primary Markets:

- Combat Vehicles
- Industrial Machinery
- Railway/Transit
- HMI Lighting

SPACECRAFT COMPONENTS CORP.®

CATALOG 102

SPACECRAFT AT A GLANCE



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

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

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

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

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

Spacecraft's Core Values

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

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

ISO 9001 Registered · ANAB ACCREDITED · AS9100 Registered · RoHS

Exceeding Your Quality Expectations

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

International Traffic in Arms Regulations · ITAR · Compliant

Mission Statement

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

Locations



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MULTI-PIN CYLINDRICAL POWER CONNECTORS

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860-355-8100

SECTION 2A
MIL-C-5015 SERIES II
CRIMP, FRONT RELEASE CONTACTS

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

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

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

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

SERIES COMPARISON

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

(1) Backshells must be purchased separately.

MIL-C-5015 SERIES II

CRIMP, FRONT RELEASE CONTACTS

ORDERING INFORMATION

SC 36 D S 28 - 21 P Y

PREFIX

SHELL STYLE
Illustrated on pages 2A-12 thru 2A-19. See Table I below.

SERVICE CLASS
See Table II below.

SHELL MATERIAL
BLANK Aluminum.
S Stainless steel.
T Ferrous alloy, class K only.
See Table II below.

SHELL SIZE
See pages 2A-12 thru 2A-19 for available shell sizes in each shell style.

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

CONTACT STYLE
A Pin insert, less contacts.
B Socket insert, less contacts.
D 16-22 pin contacts in lieu of 16-16, or 12-16 pin contacts in lieu of 12-12. Class D connectors only.
E 16-22 socket contacts in lieu of 16-16, or 12-16 socket contacts in lieu of 12-12. Class D connectors only.
P Pin contacts.
S Socket contacts.
For contact part numbers see Table III on page 2A-3.

ALTERNATE POSITION (POLARIZATION)
BLANK (normal), **W, X, Y, Z.**
See pages 10A-1 thru 10A-16.

TABLE I. SHELL STYLE

SHELL STYLE	DESCRIPTION	AVAILABLE IN CLASS	SEE PAGE
SC30	Wall mount receptacle	D, DS, KS, KT, LS, W	2A-11
SC30SV	Wall mount receptacle with integrated backshell	D, DS, KS, KT, LS, W	2A-12
SC31	In-line receptacle	D, DS, LS, W	2A-13
SC31SV	In-line receptacle with integrated backshell	D, DS, LS, W	2A-14
SC32	Box mount receptacle	D, DS, LS, W	2A-15
SC33	Box mount receptacle with threaded rear skirt	D, DS, LS, W	2A-16
SC34	Jam nut receptacle	D, DS, LS, W	2A-17
SC34SV	Jam nut receptacle with integrated backshell	D, DS, LS, W	2A-18
SC36	Straight plug	D, DS, KS, KT, LS, W	2A-19
SC36SV	Straight plug with integrated backshell	D, DS, KS, KT, LS, W	2A-20
SC37	Straight plug with self-locking coupling nut	D, DS, KS, KT, LS, W	2A-19
SC37SV	Straight plug with self-locking coupling nut with integrated backshell	D, DS, KS, KT, LS, W	2A-20
SC38	90° plug	D, DS, LS, W	2A-21
SC39	45° plug	D, DS, LS, W	2A-22

TABLE II. SERVICE CLASS/SHELL MATERIAL

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

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TABLE III. INSERT & CONTACT INFORMATION

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

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TABLE III. INSERT & CONTACT INFORMATION (cont.)

INSERT NUMBER	CONTACTS			CONTACT PART NUMBER			
				PIN		SOCKET	
	TOTAL	QTY	SIZE	STYLE D	STYLE P	STYLE E	STYLE S
18-11	5	5	12	M39029/44-289	M39029/44-290	M39029/45-296	M39029/45-297
18-12	6	6	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
18-13	4	3 1	12 8	–	M39029/44-290 M39029/44-291	–	M39029/45-297 M39029/45-298
18-14	2	1 1	16 4	–	M39029/44-288 M39029/44-292	–	M39029/45-295 M39029/45-299
18-17	7	5 2	16 12	M39029/44-287 M39029/44-289	M39029/44-288 M39029/44-290	M39029/45-294 M39029/45-296	M39029/45-295 M39029/45-297
18-18		5	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
	7	2	12	M39029/44-289	M39029/44-290	M39029/45-296	M39029/45-297
18-19	10	10	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
18-20	5	5	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
18-21	3	3	12	M39029/44-289	M39029/44-290	M39029/45-296	M39029/45-297
18-22	3	3	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
18-23	10	10	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
18-24	10	10	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
18-25	2	2	12	M39029/44-289	M39029/44-290	M39029/45-296	M39029/45-297
18-26	2	2	12	M39029/44-289	M39029/44-290	M39029/45-296	M39029/45-297
18-27	3	1 2	16 12	M39029/44-287 M39029/44-289	M39029/44-288 M39029/44-290	M39029/45-294 M39029/45-296	M39029/45-295 M39029/45-297
18-28	3	1 2	16 12	M39029/44-287 M39029/44-289	M39029/44-288 M39029/44-290	M39029/45-294 M39029/45-296	M39029/45-295 M39029/45-297
18-29	5	5	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
18-30	5	5	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
18-31	5	5	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
20-1	14	14	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
20-2	1	1	1/0	–	M39029/44-293	–	M39029/45-300
20-3	3	3	12	M39029/44-289	M39029/44-290	M39029/45-296	M39029/45-297
20-4	4	4	12	M39029/44-289	M39029/44-290	M39029/45-296	M39029/45-297
20-5	2	2	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
20-6	3	3	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
20-7	8	8	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
20-8	6	4 2	16 8	–	M39029/44-288 M39029/44-291	–	M39029/45-295 M39029/45-298
20-9	8	7 1	16 12	M39029/44-287 M39029/44-289	M39029/44-288 M39029/44-290	M39029/45-294 M39029/45-296	M39029/45-295 M39029/45-297
20-10	4	4	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
20-11	13	13	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
20-12	2	1 1	16 4	–	M39029/44-288 M39029/44-292	–	M39029/45-295 M39029/45-299
20-13	4	4	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
20-14	5	3 2	12 8	–	M39029/44-290 M39029/44-291	–	M39029/45-297 M39029/45-298
20-15	7	7	12	M39029/44-289	M39029/44-290	M39029/45-296	M39029/45-297
20-16	9	7 2	16 12	M39029/44-287 M39029/44-289	M39029/44-288 M39029/44-290	M39029/45-294 M39029/45-296	M39029/45-295 M39029/45-297
20-17	6	1 5	16 12	M39029/44-287 M39029/44-289	M39029/44-288 M39029/44-290	M39029/45-294 M39029/45-296	M39029/45-295 M39029/45-297
20-18	9	6 3	16 12	M39029/44-287 M39029/44-289	M39029/44-288 M39029/44-290	M39029/45-294 M39029/45-296	M39029/45-295 M39029/45-297
20-19	3	3	8	–	M39029/44-291	–	M39029/45-298
20-20	4	3 1	12 4	–	M39029/44-290 M39029/44-292	–	M39029/45-297 M39029/45-299
20-21	9	8 1	16 12	M39029/44-287 M39029/44-289	M39029/44-288 M39029/44-290	M39029/45-294 M39029/45-296	M39029/45-295 M39029/45-297
20-22	6	3 3	16 8	–	M39029/44-288 M39029/44-291	–	M39029/45-295 M39029/45-298

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TABLE III. INSERT & CONTACT INFORMATION (cont.)

INSERT NUMBER	CONTACTS			CONTACT PART NUMBER			
				PIN		SOCKET	
	TOTAL	QTY	SIZE	STYLE D	STYLE P	STYLE E	STYLE S
20-23	2	2	8	–	M39029/44-291	–	M39029/45-298
20-24	4	2 2	16 8	–	M39029/44-288 M39029/44-291	–	M39029/45-295 M39029/45-298
20-25	13	13	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
20-26	3	3	12	M39029/44-289	M39029/44-290	M39029/45-296	M39029/45-297
20-27	14	14	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
20-29	17	17	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
20-30	13	13	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
20-31	11	11	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
20-32	8	8	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
20-33	11	11	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
22-1	2	2	8	–	M39029/44-291	–	M39029/45-298
22-2	3	3	8	–	M39029/44-291	–	M39029/45-298
22-3	2	1 1	16 4	–	M39029/44-288 M39029/44-292	–	M39029/45-295 M39029/45-299
22-4	4	2 2	12 8	–	M39029/44-290 M39029/44-291	–	M39029/45-297 M39029/45-298
22-5	6	4 2	16 12	M39029/44-287 M39029/44-289	M39029/44-288 M39029/44-290	M39029/45-294 M39029/45-296	M39029/45-295 M39029/45-297
22-6	3	1 2	16 8	–	M39029/44-288 M39029/44-291	–	M39029/45-295 M39029/45-298
22-7	1	1	1/0	–	M39029/44-293	–	M39029/45-300
22-8	2	2	12	M39029/44-289	M39029/44-290	M39029/45-296	M39029/45-297
22-9	3	3	12	M39029/44-289	M39029/44-290	M39029/45-296	M39029/45-297
22-10	4	4	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
22-11	2	2	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
22-12	5	3 2	16 8	–	M39029/44-288 M39029/44-291	–	M39029/45-295 M39029/45-298
22-13	5	1 4	16 12	M39029/44-287 M39029/44-289	M39029/44-288 M39029/44-290	M39029/45-294 M39029/45-296	M39029/45-295 M39029/45-297
22-14	19	19	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
22-15	6	1 5	16 12	M39029/44-287 M39029/44-289	M39029/44-288 M39029/44-290	M39029/45-294 M39029/45-294	M39029/45-295 M39029/45-297
22-16	9	6 3	16 12	M39029/44-287 M39029/44-289	M39029/44-288 M39029/44-290	M39029/45-296 M39029/45-296	M39029/45-295 M39029/45-297
22-17	9	8 1	16 12	M39029/44-287 M39029/44-289	M39029/44-288 M39029/44-290	M39029/45-294 M39029/45-296	M39029/45-295 M39029/45-297
22-18	8	8	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
22-19	14	14	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
22-20	9	9	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
22-21	3	2 1	16 1/0	–	M39029/44-288 M39029/44-293	–	M39029/45-295 M39029/45-300
22-22	4	4	8	–	M39029/44-291	–	M39029/45-298
22-23	8	8	12	M39029/44-289	M39029/44-290	M39029/45-296	M39029/45-297
22-24	6	1 5	16 12	M39029/44-287 M39029/44-289	M39029/44-288 M39029/44-290	M39029/45-294 M39029/45-296	M39029/45-295 M39029/45-297
22-25	3	2 1	16 1/0	–	M39029/44-288 M39029/44-293	–	M39029/45-295 M39029/45-300
22-26	7	5 2	16 12	M39029/44-287 M39029/44-289	M39029/44-288 M39029/44-290	M39029/45-294 M39029/45-296	M39029/45-295 M39029/45-297
22-27	9	8 1	16 8	–	M39029/44-288 M39029/44-291	–	M39029/45-295 M39029/45-298
22-28	7	7	12	M39029/44-289	M39029/44-290	M39029/45-296	M39029/45-297
22-29	7	6 1	16 4	–	M39029/44-288 M39029/44-292	–	M39029/45-295 M39029/45-299
22-30	19	19	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
22-31	2	2	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295

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TABLE III. INSERT & CONTACT INFORMATION (cont.)

INSERT NUMBER	CONTACTS			CONTACT PART NUMBER			
				PIN		SOCKET	
	TOTAL	QTY	SIZE	STYLE D	STYLE P	STYLE E	STYLE S
22-32	6	4 2	16 12	M39029/44-287 M39029/44-289	M39029/44-288 M39029/44-290	M39029/45-294 M39029/45-296	M39029/45-295 M39029/45-297
22-33	7	7	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
22-34	5	2 3	16 12	M39029/44-287 M39029/44-289	M39029/44-288 M39029/44-290	M39029/45-294 M39029/45-296	M39029/45-295 M39029/45-297
22-35	3	3	8	–	M39029/44-291	–	M39029/45-298
24-1	2	1 1	12 1/0	–	M39029/44-290 M39029/44-293	–	M39029/45-297 M39029/45-300
24-2	7	7	12	M39029/44-289	M39029/44-290	M39029/45-296	M39029/45-297
24-3	7	5	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
24-4	4	3 1	12 1/0	–	M39029/44-290 M39029/44-293	–	M39029/45-297 M39029/45-300
24-5	16	16	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
24-6	8	8	12	M39029/44-289	M39029/44-290	M39029/45-296	M39029/45-297
24-7	16	14 2	16 12	M39029/44-287 M39029/44-289	M39029/44-288 M39029/44-290	M39029/45-294 M39029/45-296	M39029/45-295 M39029/45-297
24-9	2	2	4	–	M39029/44-292	–	M39029/45-299
24-10	7	7	8	–	M39029/44-291	–	M39029/45-298
24-11	9	6 3	12 8	–	M39029/44-290 M39029/44-291	–	M39029/45-297 M39029/45-298
24-12	5	3 2	12 4	–	M39029/44-290 M39029/44-292	–	M39029/45-297 M39029/45-299
24-14	3	2 1	12 1/0	–	M39029/44-290 M39029/44-293	–	M39029/45-297 M39029/45-300
24-15	16	16	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
24-16	7	3 3 1	16 12 8	–	M39029/44-288 M39029/44-290 M39029/44-291	–	M39029/45-295 M39029/45-297 M39029/45-298
24-17	5	3 2	16 12	M39029/44-287 M39029/44-289	M39029/44-288 M39029/44-290	M39029/45-294 M39029/45-296	M39029/45-295 M39029/45-297
24-19	12	12	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
24-20	11	9 2	16 12	M39029/44-287 M39029/44-289	M39029/44-288 M39029/44-290	M39029/45-294 M39029/45-296	M39029/45-295 M39029/45-297
24-21	10	9 1	16 8	–	M39029/44-288 M39029/44-291	–	M39029/45-295 M39029/45-298
24-22	4	4	8	–	M39029/44-291	–	M39029/45-298
24-23	5	2 3	16 8	–	M39029/44-288 M39029/44-291	–	M39029/45-295 M39029/45-298
24-24	16	16	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
24-25	8	8	12	M39029/44-289	M39029/44-290	M39029/45-296	M39029/45-297
24-26	8	8	12	M39029/44-289	M39029/44-290	M39029/45-296	M39029/45-297
24-27	7	7	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
24-28	24	24	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
24-80	23	23	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
28-1	9	6 3	12 8	–	M39029/44-290 M39029/44-291	–	M39029/45-297 M39029/45-298
28-2	14	12	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
28-3	3	3	8	–	M39029/44-291	–	M39029/45-298
28-4	9	7 2	16 12	M39029/44-287 M39029/44-289	M39029/44-288 M39029/44-290	M39029/45-294 M39029/45-296	M39029/45-295 M39029/45-297
28-5	5	2 1 2	16 12 4	–	M39029/44-288 M39029/44-290 M39029/44-292	–	M39029/45-295 M39029/45-297 M39029/45-299
28-6	3	3	4	–	M39029/44-292	–	M39029/45-299
28-7	2	2	4	–	M39029/44-292	–	M39029/45-299
28-8	12	10 2	16 12	M39029/44-287 M39029/44-289	M39029/44-288 M39029/44-290	M39029/45-294 M39029/45-296	M39029/45-295 M39029/45-297

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TABLE III. INSERT & CONTACT INFORMATION (cont.)

INSERT NUMBER	CONTACTS			CONTACT PART NUMBER			
				PIN		SOCKET	
	TOTAL	QTY	SIZE	STYLE D	STYLE P	STYLE E	STYLE S
28-9	12	6 6	16 12	M39029/44-287 M39029/44-289	M39029/44-288 M39029/44-290	M39029/45-294 M39029/45-296	M39029/45-295 M39029/45-297
28-10	7	3 2 2	12 8 4	–	M39029/44-290 M39029/44-291 M39029/44-292	–	M39029/45-297 M39029/45-298 M39029/45-299
28-11	22	18 4	16 12	M39029/44-287 M39029/44-289	M39029/44-288 M39029/44-290	M39029/45-294 M39029/45-296	M39029/45-295 M39029/45-297
28-12	26	26	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
28-13	26	26	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
28-14	11	11	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
28-15	35	35	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
28-16	20	20	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
28-17	15	15	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
28-18	12	12	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
28-19	10	6 4	16 12	M39029/44-287 M39029/44-289	M39029/44-288 M39029/44-290	M39029/45-294 M39029/45-296	M39029/45-295 M39029/45-297
28-20	14	4 10	16 12	M39029/44-287 M39029/44-289	M39029/44-288 M39029/44-290	M39029/45-294 M39029/45-296	M39029/45-295 M39029/45-297
28-21	37	37	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
28-22	6	3 3	16 4	–	M39029/44-288 M39029/44-292	–	M39029/45-295 M39029/45-299
28-23	24	21 3	16 8S*	–	M39029/44-288 Mfr Supplied	–	M39029/45-295 Mfr Supplied
28-24	24	21 3	16 8S*	–	M39029/44-288 Mfr Supplied	–	M39029/45-295 Mfr Supplied
32-1	5	3 2	12 1/0	–	M39029/44-290 M39029/44-293	–	M39029/45-297 M39029/45-300
32-2	5	2 3	16 4	–	M39029/44-288 M39029/44-292	–	M39029/45-295 M39029/45-299
32-3	9	4 2 2 1	16 12 4 1/0	–	M39029/44-288 M39029/44-290 M39029/44-292 M39029/44-293	–	M39029/45-295 M39029/45-297 M39029/45-299 M39029/45-300
32-4	14	12 2	16 12	M39029/44-287 M39029/44-289	M39029/44-288 M39029/44-290	M39029/45-294 M39029/45-296	M39029/45-295 M39029/45-297
32-5	2	2	1/0	–	M39029/44-293	–	M39029/45-300
32-6	23	16 2 3 2	16 12 8 4	–	M39029/44-288 M39029/44-290 M39029/44-291 M39029/44-292	–	M39029/45-295 M39029/45-297 M39029/45-298 M39029/45-299
32-7	35	28 7	16 12	M39029/44-287 M39029/44-289	M39029/44-288 M39029/44-290	M39029/45-294 M39029/45-296	M39029/45-295 M39029/45-297
32-8	30	24 6	16 12	M39029/44-287 M39029/44-289	M39029/44-288 M39029/44-290	M39029/45-294 M39029/45-296	M39029/45-295 M39029/45-297
32-9	14	12 2	16 4	–	M39029/44-288 M39029/44-292	–	M39029/45-295 M39029/45-299
32-10	7	3 2 2	16 8 4	–	M39029/44-288 M39029/44-291 M39029/44-292	–	M39029/45-295 M39029/45-298 M39029/45-299
32-12	15	10 5	16 12	M39029/44-287 M39029/44-289	M39029/44-288 M39029/44-290	M39029/45-294 M39029/45-296	M39029/45-295 M39029/45-297
32-13	23	18 5	16 12	M39029/44-287 M39029/44-289	M39029/44-288 M39029/44-290	M39029/45-294 M39029/45-296	M39029/45-295 M39029/45-297
32-14	7	5 2	12 4	–	M39029/44-290 M39029/44-293	–	M39029/45-297 M39029/45-300
32-15	8	6 2	12 1/0	–	M39029/44-290 M39029/44-293	–	M39029/45-297 M39029/45-300
32-16	23	16 2 3 2	16 12 8 4	–	M39029/44-288 M39029/44-290 M39029/44-291 M39029/44-292	–	M39029/45-295 M39029/45-297 M39029/45-298 M39029/45-299

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TABLE III. INSERT & CONTACT INFORMATION (cont.)

INSERT NUMBER	CONTACTS			CONTACT PART NUMBER			
				PIN		SOCKET	
	TOTAL	QTY	SIZE	STYLE D	STYLE P	STYLE E	STYLE S
32-17	4	4	4	–	M39029/44-292	–	M39029/45-299
32-18	14	12 2	16 12	M39029/44-287 M39029/44-289	M39029/44-288 M39029/44-290	M39029/45-294 M39029/45-296	M39029/45-295 M39029/45-297
32-19	5	3 2	12 1/0	M39029/44-293	M39029/44-290 M39029/44-293	M39029/45-300	M39029/45-297 M39029/45-300
32-20	23	16 2 3 2	16 12 8 4	–	M39029/44-288 M39029/44-290 M39029/44-291 M39029/44-292	–	M39029/45-295 M39029/45-297 M39029/45-298 M39029/45-299
32-22	54	54	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
32-63	5	5	4	–	M39029/44-292	–	M39029/45-299
32-73	46	46	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
36-1	22	18 4	16 12	M39029/44-287 M39029/44-289	M39029/44-288 M39029/44-290	M39029/45-294 M39029/45-296	M39029/45-295 M39029/45-297
36-2	5	2 3	12 1/0	–	M39029/44-290 M39029/44-293	–	M39029/45-297 M39029/45-300
36-3	6	3 3	12 1/0	–	M39029/44-290 M39029/44-293	–	M39029/45-297 M39029/45-300
36-4	3	3	1/0	–	M39029/44-293	–	M39029/45-300
36-5	4	4	1/0	–	M39029/44-293	–	M39029/45-300
36-6	6	4	4	–	M39029/44-292	–	M39029/45-299
36-7	47	40 7	16 12	M39029/44-287 M39029/44-289	M39029/44-288 M39029/44-290	M39029/45-294 M39029/45-296	M39029/45-295 M39029/45-297
36-8	47	46 1	16 12	M39029/44-287 M39029/44-289	M39029/44-288 M39029/44-290	M39029/45-294 M39029/45-296	M39029/45-295 M39029/45-297
36-9	31	14 14 2 1	16 12 8 4	–	M39029/44-288 M39029/44-290 M39029/44-291 M39029/44-292	–	M39029/45-295 M39029/45-297 M39029/45-298 M39029/45-299
36-10	48	48	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
36-11	48	48	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
36-12	48	48	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
36-13	17	15 2	16 12	M39029/44-287 M39029/44-289	M39029/44-288 M39029/44-290	M39029/45-294 M39029/45-296	M39029/45-295 M39029/45-297
36-14	16	6 5 5	16 12 8	–	M39029/44-288 M39029/44-290 M39029/44-291	–	M39029/45-295 M39029/45-297 M39029/45-298
36-15	35	35	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
36-16	47	40 7	16 12	M39029/44-287 M39029/44-289	M39029/44-288 M39029/44-290	M39029/45-294 M39029/45-296	M39029/45-295 M39029/45-297
36-17	47	40 7	16 12	M39029/44-287 M39029/44-289	M39029/44-288 M39029/44-290	M39029/45-294 M39029/45-296	M39029/45-295 M39029/45-297
36-18	31	14 14 2 1	16 12 8 4	–	M39029/44-288 M39029/44-290 M39029/44-291 M39029/44-292	–	M39029/45-295 M39029/45-297 M39029/45-298 M39029/45-299
36-19	17	10 5 1 1	16 12 4 1/0	–	M39029/44-288 M39029/44-290 M39029/44-292 M39029/44-293	–	M39029/45-295 M39029/45-297 M39029/45-299 M39029/45-300
36-20	34	30 2 2	16 12 8	–	M39029/44-288 M39029/44-290 M39029/44-291	–	M39029/45-295 M39029/45-297 M39029/45-298
36-21	31	14 14 2 1	16 12 8 4	–	M39029/44-288 M39029/44-290 M39029/44-291 M39029/44-292	–	M39029/45-295 M39029/45-297 M39029/45-298 M39029/45-299

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TABLE III. INSERT & CONTACT INFORMATION (cont.)

INSERT NUMBER	CONTACTS			CONTACT PART NUMBER			
				PIN		SOCKET	
	TOTAL	QTY	SIZE	STYLE D	STYLE P	STYLE E	STYLE S
36-52	52	50 2	16 1/0	–	M39029/44-288 M39029/44-293	–	M39029/45-295 M39029/45-300
36-66	56	52 4	16 12	M39029/44-287 M39029/44-289	M39029/44-288 M39029/44-290	M39029/45-294 M39029/45-296	M39029/45-295 M39029/45-297
40-1	30	24 6	16 12	M39029/44-287 M39029/44-289	M39029/44-288 M39029/44-290	M39029/45-294 M39029/45-296	M39029/45-295 M39029/45-297
40-2	23	23	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
40-3	23	18 4 1	16 12 4	–	M39029/44-288 M39029/44-290 M39029/44-292	–	M39029/45-295 M39029/45-297 M39029/45-299
40-4	23	16 2 3 2	16 12 8 4	–	M39029/44-288 M39029/44-290 M39029/44-291 M39029/44-292	–	M39029/45-295 M39029/45-297 M39029/45-298 M39029/45-299
40-5	15	6 4 2 3	12 8 4 1/0	–	M39029/44-290 M39029/44-291 M39029/44-292 M39029/44-293	–	M39029/45-297 M39029/45-298 M39029/45-299 M39029/45-300
40-6	26	24 1 1	16 12 1/0	–	M39029/44-288 M39029/44-290 M39029/44-293	–	M39029/45-295 M39029/45-297 M39029/45-300
40-7	22	18 2 2	16 12 1/0	–	M39029/44-288 M39029/44-290 M39029/44-293	–	M39029/45-295 M39029/45-297 M39029/45-300
40-9	47	24 22 1	16 12 8	–	M39029/44-288 M39029/44-290 M39029/44-291	–	M39029/45-295 M39029/45-297 M39029/45-298
40-10	29	16 9 4	16 8 4	–	M39029/44-288 M39029/44-291 M39029/44-292	–	M39029/45-295 M39029/45-298 M39029/45-299
40-11	25	18 4 1 1 1	16 12 8 4 1/0	–	M39029/44-288 M39029/44-290 M39029/44-291 M39029/44-292 M39029/44-293	–	M39029/45-295 M39029/45-297 M39029/45-298 M39029/45-299 M39029/45-300
40-12	29	22 6 1	16 12 1/0	–	M39029/44-288 M39029/44-290 M39029/44-293	–	M39029/45-295 M39029/45-297 M39029/45-300
40-13	23	23	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
40-14	32	21 10 1	16 12 1/0	–	M39029/44-288 M39029/44-290 M39029/44-293	–	M39029/45-295 M39029/45-297 M39029/45-300
40-56	85	85	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
40-62	60	60	16	M39029/44-287	M39029/44-288	M39029/45-294	M39029/45-295
44-1	42	36 6	16 12	M39029/44-287 M39029/44-289	M39029/44-288 M39029/44-290	M39029/45-294 M39029/45-296	M39029/45-295 M39029/45-297
44-2	31	14 14 2 1	16 12 8 4	–	M39029/44-288 M39029/44-290 M39029/44-291 M39029/44-292	–	M39029/45-295 M39029/45-297 M39029/45-298 M39029/45-299
44-3	31	24 3 2 2	16 12 8 4	–	M39029/44-288 M39029/44-290 M39029/44-291 M39029/44-292	–	M39029/45-295 M39029/45-297 M39029/45-298 M39029/45-299
44-4	41	31 8 2	16 12 1/0	–	M39029/44-288 M39029/44-290 M39029/44-293	–	M39029/45-295 M39029/45-297 M39029/45-300
44-5	42	36 6	16 12	M39029/44-287 M39029/44-289	M39029/44-288 M39029/44-290	M39029/45-294 M39029/45-296	M39029/45-295 M39029/45-297
44-6	42	36 6	16 12	M39029/44-287 M39029/44-289	M39029/44-288 M39029/44-290	M39029/45-294 M39029/45-296	M39029/45-295 M39029/45-297

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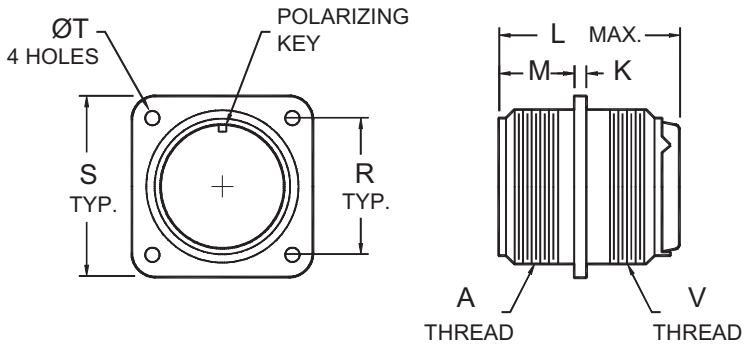
TABLE III. INSERT & CONTACT INFORMATION (cont.)

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

TABLE IV. TOOLING

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

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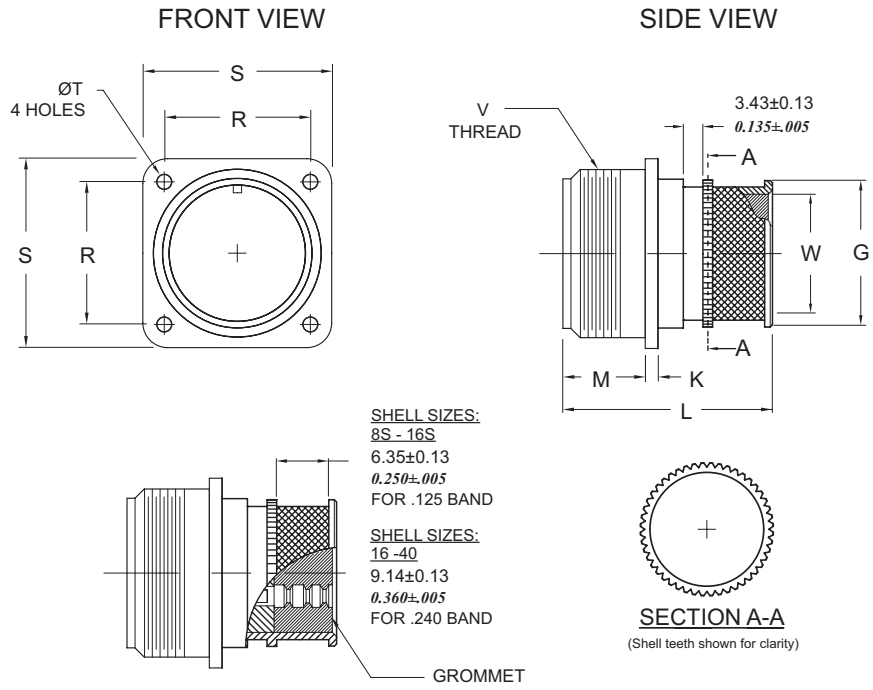
SC30* Environmental

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

Dimensions in brackets [ ] are in millimeters.

WALL MOUNT RECEPTACLE CRIMP, FRONT RELEASE CONTACTS (MS3400)

SC30SV

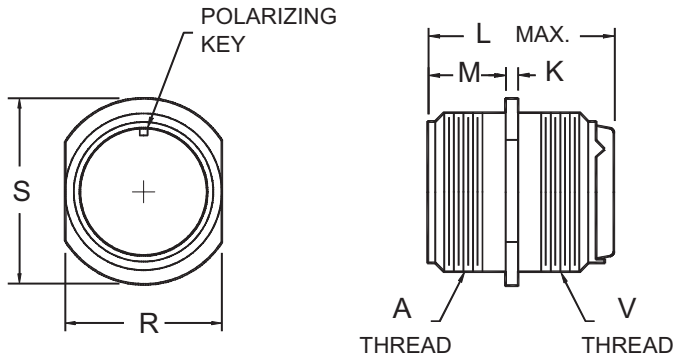


SC30SV* Environmental

SHELL SIZE	FRONT VIEW				SIDE VIEW					
	R ±.005 [±0.13]	S ±.031 [±0.79]	T +.010 [+0.25] -.005 [-0.13]		G MAX	K ±.015 [±0.38]	L MAX	M +.031 [+0.79] -.000 [-0.00]	W ±.005 [±0.13]	V THREAD CLASS 2A
			CLASS							
			K	D,L,U,W						
8S	0.594 [15.09]	0.875 [22.22]	0.150 [3.81]	0.120 [3.05]	*	0.083 [2.11]	2.031 [51.59]	0.562 [14.27]	*	.500-28 UNEF
10SL	0.719 [18.26]	1.000 [25.40]	0.150 [3.81]	0.120 [3.05]	0.632 [16.1]	0.083 [2.11]	2.031 [51.59]	0.562 [14.27]	0.502 [12.8]	.625-24 UNEF
10S	0.719 [18.26]	1.000 [25.40]	0.150 [3.81]	0.120 [3.05]	0.632 [16.1]	0.083 [2.11]	2.031 [51.59]	0.562 [14.27]	0.502 [12.8]	.625-24 UNEF
12S	0.812 [20.62]	1.094 [27.79]	0.150 [3.81]	0.120 [3.05]	0.755 [19.2]	0.083 [2.11]	2.031 [51.59]	0.562 [14.27]	0.618 [15.7]	.750-20 UNEF
12	0.812 [20.62]	1.094 [27.79]	0.150 [3.81]	0.120 [3.05]	0.755 [19.2]	0.083 [2.11]	2.125 [53.97]	0.750 [19.05]	0.618 [15.7]	.750-20 UNEF
14S	0.906 [23.01]	1.188 [30.18]	0.150 [3.81]	0.120 [3.05]	0.880 [22.4]	0.083 [2.11]	2.031 [51.59]	0.562 [14.27]	0.743 [18.9]	.875-20 UNEF
14	0.906 [23.01]	1.188 [30.18]	0.150 [3.81]	0.120 [3.05]	0.880 [22.4]	0.083 [2.11]	2.125 [53.97]	0.750 [19.05]	0.743 [18.9]	.875-20 UNEF
16S	0.969 [24.61]	1.281 [32.54]	0.150 [3.81]	0.120 [3.05]	1.005 [25.5]	0.083 [2.11]	2.031 [51.59]	0.562 [14.27]	0.868 [22.1]	1.000-20 UNEF
16	0.969 [24.61]	1.281 [32.54]	0.150 [3.81]	0.120 [3.05]	1.005 [25.5]	0.083 [2.11]	2.500 [63.50]	0.750 [19.05]	0.868 [22.1]	1.000-20 UNEF
18	1.062 [26.97]	1.375 [34.92]	0.177 [4.50]	0.120 [3.05]	1.065 [27.1]	0.125 [3.17]	2.500 [63.50]	0.750 [19.05]	0.924 [23.5]	1.125-18 UNEF
20	1.156 [29.36]	1.500 [38.10]	0.177 [4.50]	0.120 [3.05]	1.190 [30.2]	0.125 [3.17]	2.500 [63.50]	0.750 [19.05]	1.049 [26.6]	1.250-18 UNEF
22	1.250 [31.75]	1.625 [41.27]	0.177 [4.50]	0.120 [3.05]	1.315 [33.4]	0.125 [3.17]	2.500 [63.50]	0.750 [19.05]	1.174 [29.8]	1.375-18 UNEF
24	1.375 [34.92]	1.750 [44.45]	0.177 [4.50]	0.147 [3.73]	1.440 [36.6]	0.125 [3.17]	2.500 [63.50]	0.812 [20.62]	1.299 [33.0]	1.500-18 UNEF
28	1.562 [39.67]	2.000 [50.80]	0.177 [4.50]	0.147 [3.73]	1.750 [44.5]	0.125 [3.17]	2.500 [63.50]	0.812 [20.62]	1.520 [38.6]	1.750-18 UNS
32	1.750 [44.45]	2.250 [57.15]	0.209 [5.31]	0.173 [4.39]	2.000 [50.8]	0.125 [3.17]	2.500 [63.50]	0.875 [22.22]	1.770 [45.0]	2.000-18 UNS
36	1.938 [49.23]	2.500 [63.50]	0.209 [5.31]	0.173 [4.39]	2.250 [57.2]	0.125 [3.17]	2.500 [63.50]	0.875 [22.22]	1.985 [50.4]	2.250-16 UN
40	2.188 [55.58]	2.750 [69.85]	0.209 [5.31]	0.173 [4.39]	2.500 [63.5]	0.125 [3.17]	2.500 [63.50]	0.875 [22.22]	2.200 [55.9]	2.500-16 UN

Dimensions in brackets [ ] are in millimeters.
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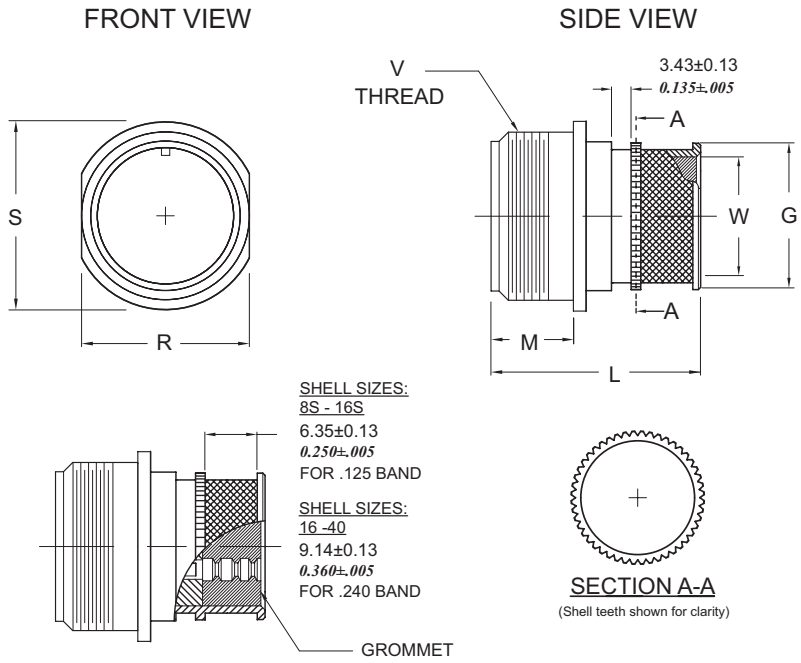
SC31* Environmental

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

Dimensions in brackets [ ] are in millimeters.

IN-LINE RECEPTACLE CRIMP, FRONT RELEASE CONTACTS (MS3401)

SC31SV MIL-DTL-5015 SERIES II

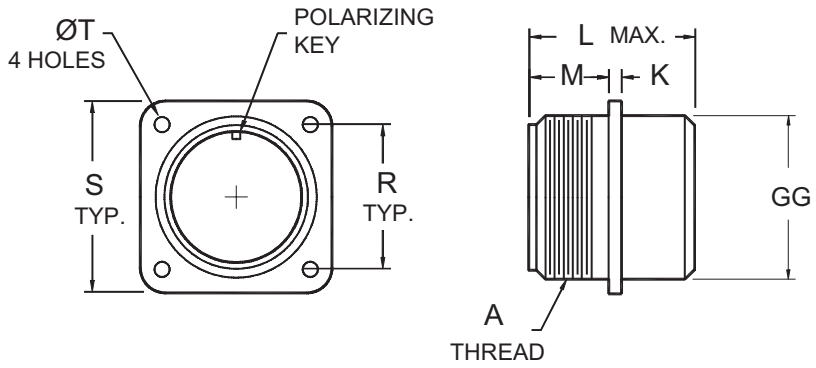


SC31SV* Environmental

SHELL SIZE	FRONT VIEW			SIDE VIEW				
	R		S	G	L	M	W	V
	MAX	MIN	±.031 [±0.79]	MAX	MAX	+.031 [+0.79] -.000 [-0.00]	±.005 [±0.13]	THREAD CLASS 2A
8S	0.504 [12.80]	0.496 [12.60]	0.729 [18.52]	*	2.031 [51.59]	0.562 [14.27]	*	.500-28 UNEF
10SL	0.629 [15.98]	0.621 [15.77]	0.854 [21.69]	0.632 [16.1]	2.031 [51.59]	0.562 [14.27]	0.502 [12.8]	.625-24 UNEF
10S	0.629 [15.98]	0.621 [15.77]	0.854 [21.69]	0.632 [16.1]	2.031 [51.59]	0.562 [14.27]	0.502 [12.8]	.625-24 UNEF
12S	0.754 [19.15]	0.746 [18.95]	0.974 [24.74]	0.755 [19.2]	2.031 [51.59]	0.562 [14.27]	0.618 [15.7]	.750-20 UNEF
12	0.754 [19.15]	0.746 [18.95]	0.974 [24.74]	0.755 [19.2]	2.125 [53.97]	0.750 [19.05]	0.618 [15.7]	.750-20 UNEF
14S	0.879 [22.33]	0.871 [22.12]	1.099 [27.91]	0.880 [22.4]	2.031 [51.59]	0.562 [14.27]	0.743 [18.9]	.875-20 UNEF
14	0.879 [22.33]	0.871 [22.12]	1.099 [27.91]	0.880 [22.4]	2.125 [53.97]	0.750 [19.05]	0.743 [18.9]	.875-20 UNEF
16S	1.005 [25.53]	0.996 [25.30]	1.224 [31.09]	1.005 [25.5]	2.031 [51.59]	0.562 [14.27]	0.868 [22.1]	1.000-20 UNEF
16	1.005 [25.53]	0.996 [25.30]	1.224 [31.09]	1.005 [25.5]	2.500 [63.50]	0.750 [19.05]	0.868 [22.1]	1.000-20 UNEF
18	1.131 [28.73]	1.121 [28.47]	1.349 [34.26]	1.065 [27.1]	2.500 [63.50]	0.750 [19.05]	0.924 [23.5]	1.125-18 UNEF
20	1.256 [31.90]	1.246 [31.65]	1.474 [37.44]	1.190 [30.2]	2.500 [63.50]	0.750 [19.05]	1.049 [26.6]	1.250-18 UNEF
22	1.381 [35.08]	1.371 [34.82]	1.599 [40.61]	1.315 [33.4]	2.500 [63.50]	0.750 [19.05]	1.174 [29.8]	1.375-18 UNEF
24	1.506 [38.25]	1.496 [38.00]	1.715 [43.56]	1.440 [36.6]	2.500 [63.50]	0.812 [20.62]	1.299 [33.0]	1.500-18 UNEF
28	1.756 [44.60]	1.746 [44.35]	1.974 [50.14]	1.750 [44.5]	2.500 [63.50]	0.812 [20.62]	1.520 [38.6]	1.750-18 UNS
32	2.007 [50.98]	1.996 [50.70]	2.224 [56.49]	2.000 [50.8]	2.500 [63.50]	0.875 [22.22]	1.770 [45.0]	2.000-18 UNS
36	2.257 [57.33]	2.246 [57.05]	2.474 [62.84]	2.250 [57.2]	2.500 [63.50]	0.875 [22.22]	1.985 [50.4]	2.250-16 UN
40	2.511 [63.78]	2.496 [63.40]	2.724 [69.19]	2.500 [63.5]	2.500 [63.50]	0.875 [22.22]	2.200 [55.9]	2.500-16 UN

Dimensions in brackets [ ] are in millimeters.
* Consult Factory

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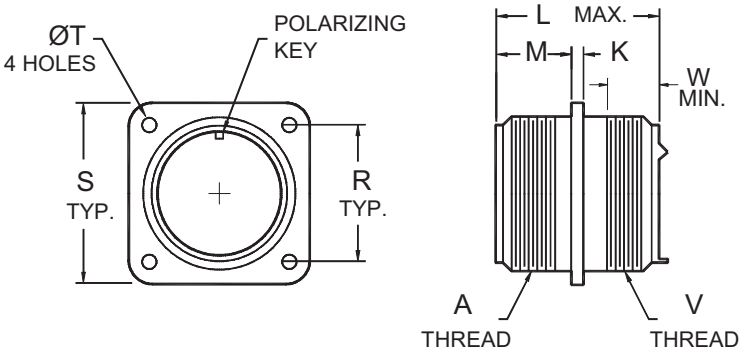
SC32* Environmental

SHELL SIZE	A COUPLING THREAD CLASS 2A	K ±.015 [±0.38]	L MAX. CONTACT SIZE 16 & 12	L MAX. CONTACT SIZE 8,4 & 0	M +.031 -.000 [+0.79] [-0.00]	R T.P. C_L - C_L	S ±.031 [±0.79]	T +.010 -.005 [+0.25] [-0.13]	ØGG ±.016 [±0.41]
8S	1/2-28 UNEF	.083 [2.11]	1.662 [42.21]	–	.562 [14.27]	.594 [15.09]	.875 [22.22]	.120 [3.05]	.453 [11.51]
10S	5/8-24 UNEF	.083 [2.11]	1.662 [42.21]	–	.562 [14.27]	.719 [18.26]	1.000 [25.40]	.120 [3.05]	.625 [15.87]
10SL	5/8-24 UNEF	.083 [2.11]	1.662 [42.21]	–	.562 [14.27]	.719 [18.26]	1.000 [25.40]	.120 [3.05]	.625 [15.87]
12S	3/4-20 UNEF	.083 [2.11]	1.662 [42.21]	–	.562 [14.27]	.812 [20.62]	1.094 [27.79]	.120 [3.05]	.750 [19.05]
12	3/4-20 UNEF	.083 [2.11]	1.662 [42.21]	–	.750 [19.05]	.812 [20.62]	1.094 [27.79]	.120 [3.05]	.750 [19.05]
14S	7/8-20 UNEF	.083 [2.11]	1.662 [42.21]	–	.562 [14.27]	.906 [23.01]	1.188 [30.18]	.120 [3.05]	.875 [22.22]
14	7/8-20 UNEF	.083 [2.11]	1.662 [42.21]	–	.750 [19.05]	.906 [23.01]	1.188 [30.18]	.120 [3.05]	.875 [22.22]
16S	1-20 UNEF	.083 [2.11]	1.662 [42.21]	–	.562 [14.27]	.969 [24.61]	1.281 [32.54]	.120 [3.05]	.953 [24.21]
16	1-20 UNEF	.083 [2.11]	1.662 [42.21]	1.937 [49.20]	.750 [19.05]	.969 [24.61]	1.281 [32.54]	.120 [3.05]	.953 [24.21]
18	1 1/8-18 UNEF	.125 [3.17]	1.662 [42.21]	1.937 [49.20]	.750 [19.05]	1.062 [26.97]	1.375 [34.92]	.120 [3.05]	1.062 [26.97]
20	1 1/4-18 UNEF	.125 [3.17]	1.662 [42.21]	1.937 [49.20]	.750 [19.05]	1.156 [29.36]	1.500 [38.10]	.120 [3.05]	1.187 [30.15]
22	1 3/8-18 UNEF	.125 [3.17]	1.662 [42.21]	1.937 [49.20]	.750 [19.05]	1.250 [31.75]	1.625 [41.27]	.120 [3.05]	1.312 [33.32]
24	1 1/2-18 UNEF	.125 [3.17]	1.662 [42.21]	1.937 [49.20]	.812 [20.62]	1.375 [34.92]	1.750 [44.45]	.147 [3.73]	1.437 [36.50]
28	1 3/4-18 UNS	.125 [3.17]	1.662 [42.21]	1.937 [49.20]	.812 [20.62]	1.562 [39.67]	2.000 [50.80]	.147 [3.73]	1.750 [44.45]
32	2-18 UNS	.125 [3.17]	1.662 [42.21]	1.937 [49.20]	.875 [22.22]	1.750 [44.45]	2.250 [57.15]	.173 [4.39]	2.000 [50.80]
36	2 1/4-16 UN	.125 [3.17]	1.662 [42.21]	1.937 [49.20]	.875 [22.22]	1.938 [49.22]	2.500 [63.50]	.173 [4.39]	2.250 [57.15]
40	2 1/2-16 UN	.125 [3.17]	1.662 [42.21]	1.937 [49.20]	.875 [22.22]	2.188 [55.58]	2.750 [69.85]	.173 [4.39]	2.500 [63.50]
44	2 3/4-16 UN	.125 [3.17]	1.662 [42.21]	1.937 [49.20]	.875 [22.22]	2.375 [60.32]	3.000 [76.20]	.173 [4.39]	2.750 [69.85]
48	3-16 UN	.125 [3.17]	1.662 [42.21]	1.937 [49.20]	.875 [22.22]	2.625 [66.67]	3.250 [82.55]	.173 [4.39]	3.000 [76.20]

Dimensions in brackets [ ] are in millimeters.

BOX MOUNT RECEPTACLE, THREADED SKIRT

SC33 CRIMP, FRONT RELEASE CONTACTS



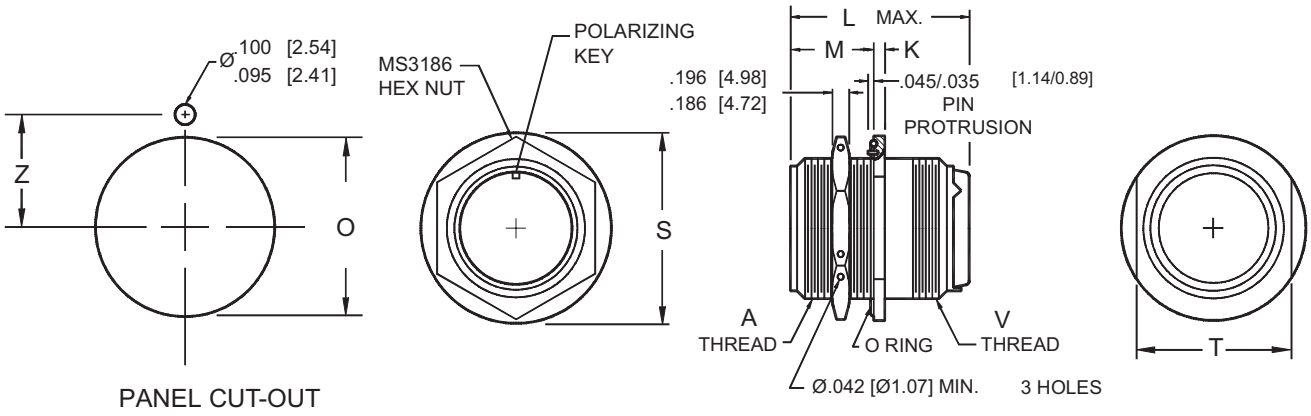
SC33* Environmental

SHELL SIZE	A COUPLING THREAD CLASS 2A	K ±.015 [±0.38]	L MAX. CONTACT SIZE 16 & 12	L MAX. CONTACT SIZE 8,4 & 0	M +.031 -.000 [+0.79] [-0.00]	R T.P. C_L - C_L	S ±.031 [±0.79]	T +.010 -.005 [+0.25] [-0.13]	V ACCESSORY THREAD CLASS 2A	W MIN.
8S	1/2-28 UNEF	.083 [2.11]	1.662 [42.21]	–	.562 [14.27]	.594 [15.09]	.875 [22.22]	.120 [3.05]	1/2-20 UNF	.290 [7.37]
10S	5/8-24 UNEF	.083 [2.11]	1.662 [42.21]	–	.562 [14.27]	.719 [18.26]	1.000 [25.40]	.120 [3.05]	5/8-24 UNEF	.290 [7.37]
10SL	5/8-24 UNEF	.083 [2.11]	1.662 [42.21]	–	.562 [14.27]	.719 [18.26]	1.000 [25.40]	.120 [3.05]	5/8-24 UNEF	.290 [7.37]
12S	3/4-20 UNEF	.083 [2.11]	1.662 [42.21]	–	.562 [14.27]	.812 [20.62]	1.094 [27.79]	.120 [3.05]	3/4-20 UNEF	.290 [7.37]
12	3/4-20 UNEF	.083 [2.11]	1.662 [42.21]	–	.750 [19.05]	.812 [20.62]	1.094 [27.79]	.120 [3.05]	3/4-20 UNEF	.290 [7.37]
14S	7/8-20 UNEF	.083 [2.11]	1.662 [42.21]	–	.562 [14.27]	.906 [23.01]	1.188 [30.18]	.120 [3.05]	7/8-20 UNEF	.290 [7.37]
14	7/8-20 UNEF	.083 [2.11]	1.662 [42.21]	–	.750 [19.05]	.906 [23.01]	1.188 [30.18]	.120 [3.05]	7/8-20 UNEF	.290 [7.37]
16S	1-20 UNEF	.083 [2.11]	1.662 [42.21]	–	.562 [14.27]	.969 [24.61]	1.281 [32.54]	.120 [3.05]	1-20 UNEF	.290 [7.37]
16	1-20 UNEF	.083 [2.11]	1.662 [42.21]	1.937 [49.20]	.750 [19.05]	.969 [24.61]	1.281 [32.54]	.120 [3.05]	1-20 UNEF	.290 [7.37]
18	1 1/8-18 UNEF	.125 [3.17]	1.662 [42.21]	1.937 [49.20]	.750 [19.05]	1.062 [26.97]	1.375 [34.92]	.120 [3.05]	1 1/16-18 UNEF	.290 [7.37]
20	1 1/4-18 UNEF	.125 [3.17]	1.662 [42.21]	1.937 [49.20]	.750 [19.05]	1.156 [29.36]	1.500 [38.10]	.120 [3.05]	1 3/16-18 UNEF	.290 [7.37]
22	1 3/8-18 UNEF	.125 [3.17]	1.662 [42.21]	1.937 [49.20]	.750 [19.05]	1.250 [31.75]	1.625 [41.27]	.120 [3.05]	1 5/16-18 UNEF	.290 [7.37]
24	1 1/2-18 UNEF	.125 [3.17]	1.662 [42.21]	1.937 [49.20]	.812 [20.62]	1.375 [34.92]	1.750 [44.45]	.147 [3.73]	1 7/16-18 UNEF	.290 [7.37]
28	1 3/4-18 UNS	.125 [3.17]	1.662 [42.21]	1.937 [49.20]	.812 [20.62]	1.562 [39.67]	2.000 [50.80]	.147 [3.73]	1 3/4-18 UNS	.467 [11.86]
32	2-18 UNS	.125 [3.17]	1.662 [42.21]	1.937 [49.20]	.875 [22.22]	1.750 [44.45]	2.250 [57.15]	.173 [4.39]	2-18 UNS	.467 [11.86]
36	2 1/4-16 UN	.125 [3.17]	1.662 [42.21]	1.937 [49.20]	.875 [22.22]	1.938 [49.22]	2.500 [63.50]	.173 [4.39]	2 1/4-16 UN	.467 [11.86]
40	2 1/2-16 UN	.125 [3.17]	1.662 [42.21]	1.937 [49.20]	.875 [22.22]	2.188 [55.58]	2.750 [69.85]	.173 [4.39]	2 1/2-16 UN	.467 [11.86]
44	2 3/4-16 UN	.125 [3.17]	1.662 [42.21]	1.937 [49.20]	.875 [22.22]	2.375 [60.32]	3.000 [76.20]	.173 [4.39]	2 3/4-16 UN	.467 [11.86]
48	3-16 UN	.125 [3.17]	1.662 [42.21]	1.937 [49.20]	.875 [22.22]	2.625 [66.67]	3.250 [82.55]	.173 [4.39]	3-16 UN	.467 [11.86]

Dimensions in brackets [ ] are in millimeters.

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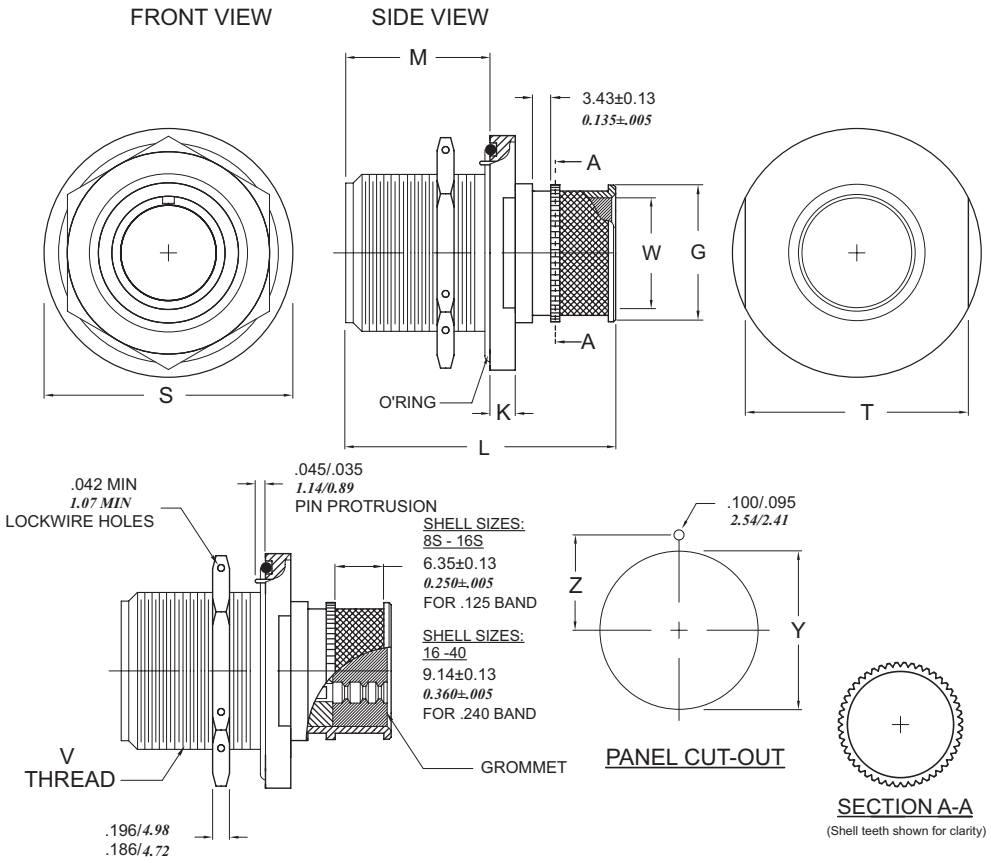


SC34* Environmental

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

Dimensions in brackets [ ] are in millimeters.

JAM NUT RECEPTACLE CRIMP, FRONT RELEASE CONTACTS (MS3404)
SC34SV

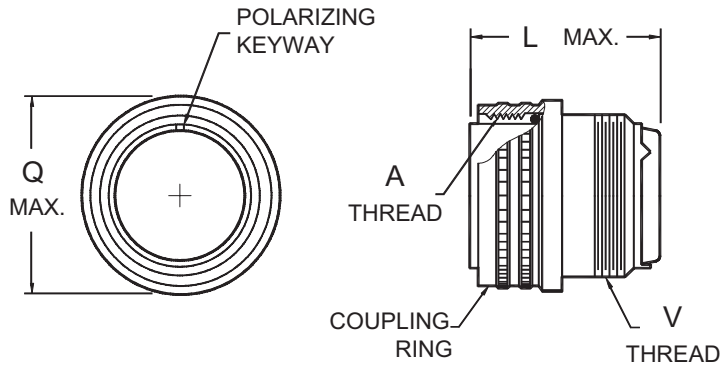


SC34SV* Environmental

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

Dimensions in brackets [ ] are in millimeters.
* Consult Factory

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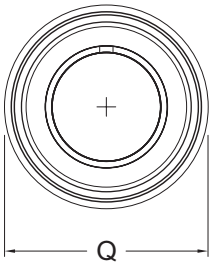
SC36* Environmental
SC37* Environmental, with self-locking coupling nut

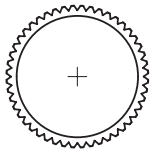
SHELL SIZE	A COUPLING THREAD CLASS 2B	L MAX. CONTACT SIZE 16 & 12	L MAX. CONTACT SIZE 8,4 & 0	V ACCESSORY THREAD CLASS 2A	SC36 ØQ MAX.	SC37 ØQ MAX.
8S	1/2-28 UNEF	2.031 [51.59]	–	1/2-20 UNF	.844 [21.44]	.963 [24.46]
10S	5/8-24 UNEF	2.031 [51.59]	–	5/8-24 UNEF	.969 [24.61]	1.088 [27.64]
10SL	5/8-24 UNEF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

Dimensions in brackets [ ] are in millimeters.
* Consult Factory

STRAIGHT PLUG CRIMP, FRONT RELEASE CONTACTS (MS3406)
SC36SV
SC37SV SELF-LOCKING COUPLING NUT

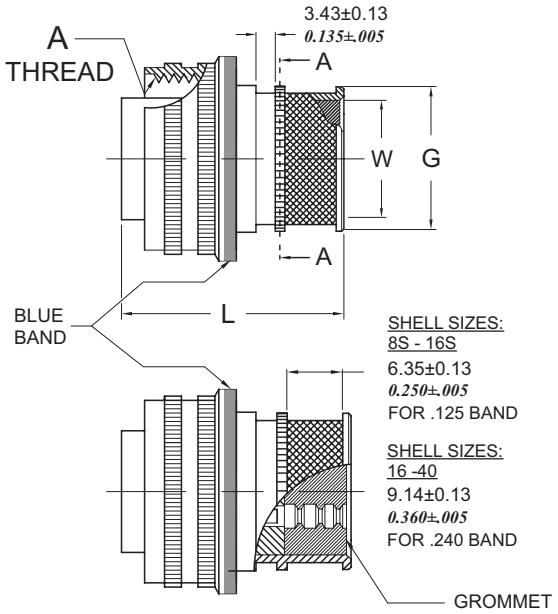
FRONT VIEW





SECTION A-A
(Shell teeth shown for clarity)

SIDE VIEW

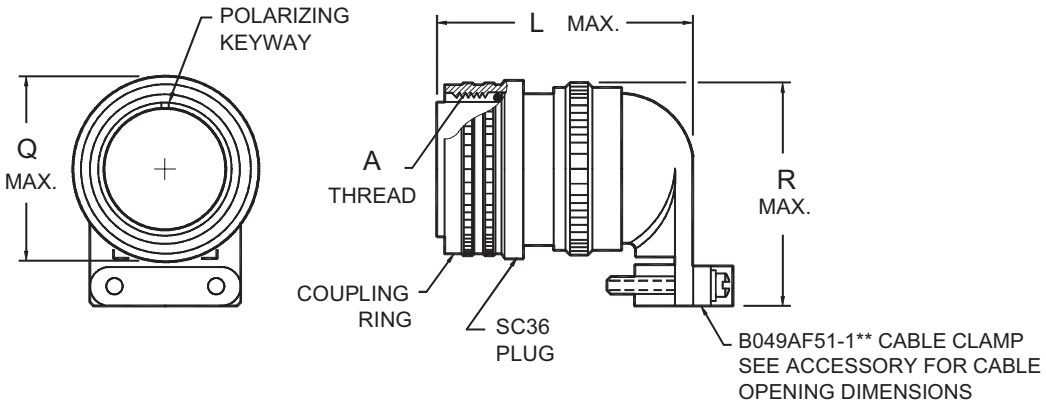


SC36SV* **Environmental**
SC37SV* **Environmental, with self-locking coupling nut**

SHELL SIZE	FRONT VIEW		SIDE VIEW			
	36SV*	37SV*				
	Q MAX	Q MAX	G MAX	L MAX	W ±.005 [±0.13]	A THREAD CLASS 2B
8S	0.844 [21.44]	0.963 [24.46]	*	2.031 [51.59]	*	.500-28 UNEF
10SL	0.969 [24.61]	1.088 [27.64]	0.632 [16.1]	2.031 [51.59]	0.502 [12.8]	.625-24 UNEF
10S	0.969 [24.61]	1.088 [27.64]	0.632 [16.1]	2.031 [51.59]	0.502 [12.8]	.625-24 UNEF
12S	1.062 [26997]	1.213 [30.81]	0.755 [19.2]	2.031 [51.59]	0.618 [15.7]	.750-20 UNEF
12	1.062 [26997]	1.213 [30.81]	0.755 [19.2]	2.125 [53.97]	0.618 [15.7]	.750-20 UNEF
14S	1.156 [29.36]	1.358 [34.49]	0.880 [22.4]	2.031 [51.59]	0.743 [18.9]	.875-20 UNEF
14	1.156 [29.36]	1.358 [34.49]	0.880 [22.4]	2.125 [53.97]	0.743 [18.9]	.875-20 UNEF
16S	1.250 [31.75]	1.463 [37.16]	1.005 [25.5]	2.031 [51.59]	0.868 [22.1]	1.000-20 UNEF
16	1.250 [31.75]	1.463 [37.16]	1.005 [25.5]	2.500 [63.50]	0.868 [22.1]	1.000-20 UNEF
18	1.344 [34.14]	1.588 [40.34]	1.065 [27.1]	2.500 [63.50]	0.924 [23.5]	1.125-18 UNEF
20	1.469 [37.31]	1.713 [43.51]	1.190 [30.2]	2.500 [63.50]	1.049 [26.6]	1.250-18 UNEF
22	1.594 [40.49]	1.788 [45.42]	1.315 [33.4]	2.500 [63.50]	1.174 [29.8]	1.375-18 UNEF
24	1.719 [43.66]	1.963 [49.86]	1.440 [36.6]	2.500 [63.50]	1.299 [33.0]	1.500-18 UNEF
28	1.969 [50.01]	2.213 [56.21]	1.750 [44.5]	2.500 [63.50]	1.520 [38.6]	1.750-18 UNS
32	2.219 [56.36]	2.463 [62.56]	2.000 [50.8]	2.500 [63.50]	1.770 [45.0]	2.000-18 UNS
36	2.469 [62.71]	2.713 [68.91]	2.250 [57.2]	2.500 [63.50]	1.985 [50.4]	2.250-16 UN
40	2.719 [69.06]	2.963 [75.26]	2.500 [63.5]	2.500 [63.50]	2.200 [55.9]	2.500-16 UN

Dimensions in brackets [ ] are in millimeters.
* Consult Factory

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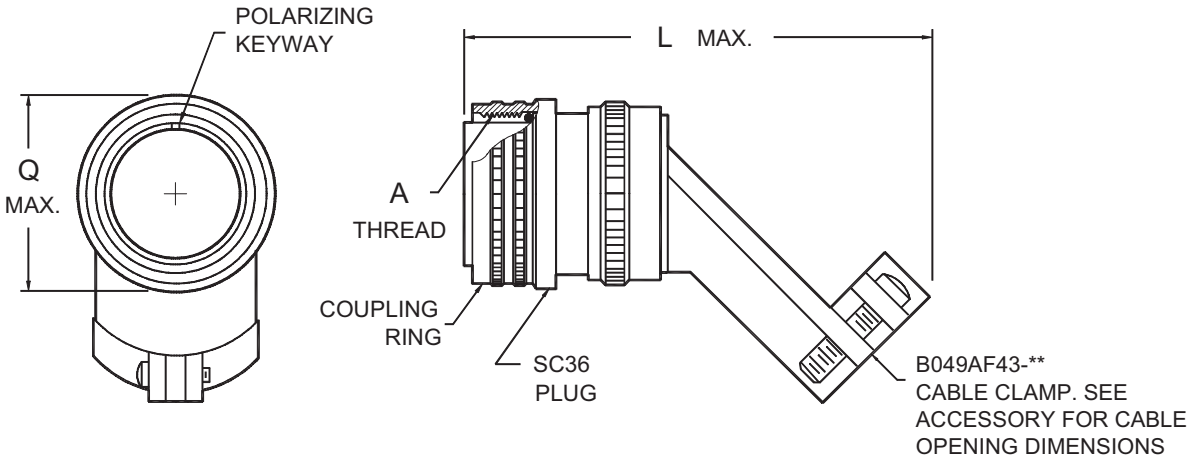


SC38* Environmental

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

Dimensions in brackets [ ] are in millimeters.

45° PLUG CRIMP, FRONT RELEASE CONTACTS
SC39



SC39* Environmental

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

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