

STANDARD CONNECTORS

SEAMAX CONNECTORS

DELTA CONNECTORS

CONTACT



GENERAL INFORMATION

ST SERIES

SUBSEA SERIES

MINIATURE

MICRO-MINI

SEALOC

WET PLUGGABLE

UXSL

FIELD INSTALLABLE

JUNCTION BOXES

PENETRATORS

MAGNETIC SWITCHES

LOCKING SLEEVES



General Information

INSTALLATION:

Since the contacts of female connectors are recessed, it is recommended that female connectors always be connected to the power side. “O-Ring seals of bulkhead connectors depend on the surface finish of the unit to which they are being mounted. A smooth flat surface is required for proper sealing. The threaded side of the bulkhead connectors must be installed so that this is only subject to low pressure. Proper care is essential when splicing wires, as the integrity of the system is at stake.

LUBRICATION:

To extend the life and increase the reliability of connectors, apply silicone grease to the entire surface of each male pin. Grease should also be applied at the entrance of each socket. Relubrication is recommended every three to five mating cycles. The use of General Electric Insulgrease 640 is recommended for lubrication.

MAINTENANCE:

As with any equipment, inspection should be performed regularly. Oxidation may be removed from male contacts by using no less than #800 wetl dry Emery paper cut in strips equal to or less than the width of the contact and rubbing lightly. Female sockets may be cleaned using a cotton swab and rubbing alcohol. A .22 caliber bore brush with nylon bristles only may be used to remove light oxidation.

IPCEA METHOD 5 COLOR CODING SCHEME:

WIRING	CONTACT NO.	CONDUCTOR COLOR
	1	BLACK
	2	WHITE
	3	RED
	4	GREEN
	5	ORANGE
	6	BLUE
	7	WHITE/BLACK STRIPE
	8	RED/BLACK STRIPE

PRODUCTS FEATURE:

Many of the products in this catalog are capable of being mated in under water with electrical power de-energized. Precision interference fit between contacts and neoprene-neoprene interface ensures waterproof integrity when correctly installed and maintained. Bulkhead connectors are molded directly to the face of all threaded fittings to provide maximum strength.

PRESSURE RATINGS:

All In-Line Connectors and Bulkhead Connectors are rated for 10,000 P.S.I. consult with factory for higher ratings.

ELECTRICAL RATINGS		VOLTAGE	AMPERE
Micro Mini Connectors		110V	5 AMP.
Miniature Connectors		110V	7.5 AMP.
SB Series		220V	15 AMP.
ST Series	E Contacts	220V	15 AMP.
	F Contacts	110V	7.5 AMP.
	H Contacts	440V	60 AMP.

OIL FILLED CONNECTORS:

Rubber molded oil filled connectors are designed to carry back pressure up to 1,500 P.S.I.

Contacts:

- All of the Self-purging connectors: ST, MO, MS, MC Series has beryllium copper male pins and heat treated sockets
- All of the SubSea Series has gold plated brass pins and heat treated beryllium copper sockets.

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Warranties and Return Policy

IMPORTANT NOTICE:

The product information published in our catalogues and literature is not guaranteed. It is subject to change without notice. Occasionally, it may be necessary to modify the materials, finishes, or other components of the products. These changes in no way will reduce the performances or function for which the product is intended.

LIMITED WARRANTY

UNDERWATER SYSTEMS INC. (U.S.I.) products are warranted against mechanical, electrical, and physical defects for a period of one year from the date of shipment from the company. If they have been properly used, and are warranted to be merchantable and fit for the ordinary purposes for which such products are used. There are no express warranties or warranties of fitness for any particular purpose, or any implied warranties other than those made expressly herein, all such warranties being expressly disclaimed. The obligation of U.S.I. under this limited warranty, including the limited warranty of merchantability and fitness for the ordinary purposes for which the products are used, and all other warranties are limited to the furnishing of new parts free of charge in exchange for parts which have been proven defective and deems not to include any other costs such as the cost of removal of defective part, installation, labor or consequential damages of any kind, the exclusive remedy being to require such new parts to be furnished. U.S.I. assumes no responsibility for proper selection and installation of its products.

RETURN POLICY:

1. Prior return authorization must be obtained.
2. Returns must be accompanied with the following information:
 - A. Date of shipment
 - B. Customer purchase order number
 - C. Any relevant test data for failure description
3. Returns from countries outside the USA must be sent according to the following procedures. Failure to follow these instructions will terminate contractual agreement by UNDERWATER SYSTEMS INC.
 - A. Notify UNDERWATER SYSTEMS INC. as said above and include all necessary information with the shipment.
 - B. State that they are return (USA) goods
 - C. State the goods are defective - NO DECLARED VALUE -
 - D. Send returned parts only air parcel or pacel post.

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Wet Pluggable Underwater Connector Series

PRODUCTS FEATURE:

This series is generally known as the work horse of the military and commercial diving industries. Rugged and reliable with a field proven history. The WPC series provides the user with 1,2,3,& 4 contact versions with male & female in-line and dummy connector configurations.

PRESSURE RATINGS:

The neoprene rubber body is directly molded to the cable and is provided with silver plated #10, #14, #16 AWG contacts and is rated to 20,000, PSI.

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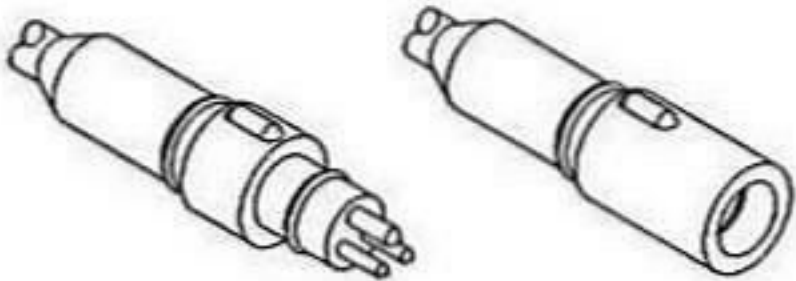
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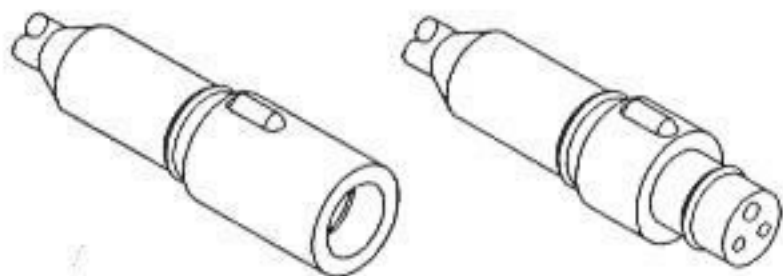
U.S.I. WPC



	#1- 10 AVG	#1- 10 AVG #2- 14 AVG	#1- 10 AVG #2- 14 AVG #3- 14 AVG	#1- 14AVG #2- 16 AVG #3- 16 AVG #4- 16 AVG
 IN-LINE PLUG	<u>WPC-1-MP</u> DIMENSIONS INCH A .75 B .62 C .52 D .50 L 18.00	<u>WPC-2-MP</u> DIMENSIONS INCH A .75 B .62 C .52 D 1.19 L 18.00	<u>WPC-3-MP</u> DIMENSIONS INCH A .75 B .62 C .52 D 1.19 L 18.00	<u>WPC-4-MP</u> DIMENSIONS INCH A .75 B .62 C .52 D 1.19 L 18.00
 RIGHT ANGLE PLUG	<u>WPC-1-MP-RA</u> DIMENSIONS INCH A .75 B .62 C .50 D 1.25 E 2.37 L 18.00	<u>WPC-2-MP-RA</u> DIMENSIONS INCH A .75 B .62 C .50 D 1.25 E 2.37 L 18.00	<u>WPC-3-MP-RA</u> DIMENSIONS INCH A .75 B .62 C .50 D 1.25 E 2.37 L 18.00	<u>WPC-4-MP-RA</u> DIMENSIONS INCH A .75 B .62 C .50 D 1.25 E 2.37 L 18.00
 INVERSE IN-LINE PLUG	<u>WPC-1-IP</u> DIMENSIONS INCH A .75 B .62 C 1.08 D .50 L 18.00	<u>WPC-2-IP</u> DIMENSIONS INCH A .75 B .62 C 1.12 D 1.19 L 18.00	<u>WPC-3-IP</u> DIMENSIONS INCH A .75 B .62 C 1.12 D 1.19 L 18.00	<u>WPC-4-IP</u> DIMENSIONS INCH A .75 B .62 C 1.12 D 1.19 L 18.00
 INVERSE RIGHT ANGLE PLUG	<u>WPC-1-IP-RA</u> DIMENSIONS INCH A .75 B .62 C 1.08 D 1.25 E 2.37 L 18.00	<u>WPC-2-IP-RA</u> DIMENSIONS INCH A .75 B .62 C 1.08 D 1.25 E 2.37 L 18.00	<u>WPC-3-IP-RA</u> DIMENSIONS INCH A .75 B .62 C 1.08 D 1.25 E 2.37 L 18.00	<u>WPC-4-IP-RA</u> DIMENSIONS INCH A .75 B .62 C 1.08 D 1.25 E 2.37 L 18.00



U.S.I. WPC



	#1- 10 AWG	#1- 10 AWG #2- 14 AWG	#1- 10 AWG #2- 14 AWG #3- 14 AWG	#1- 14 AWG #2- 16 AWG #3- 16 AWG #4- 16 AWG
 IN-LINE RECEPTACLE	<u>WPC-1-FS</u> DIMENSIONS INCH A .75 B .62 C 1.08 D .50 L 18.00	<u>WPC-2-FS</u> DIMENSIONS INCH A .75 B .62 C 1.12 D 1.19 L 18.00	<u>WPC-3-FS</u> DIMENSIONS INCH A .75 B .62 C 1.12 D 1.19 L 18.00	<u>WPC-4-FS</u> DIMENSIONS INCH A .75 B .62 C 1.12 D 1.19 L 18.00
 RIGHT ANGLE RECEPTACLE	<u>WPC-1-FS-RA</u> DIMENSIONS INCH A .75 B .62 C 1.08 D 1.25 E 2.37 L 18.00	<u>WPC-2-FS-RA</u> DIMENSIONS INCH A .75 B .62 C 1.08 D 1.25 E 2.37 L 18.00	<u>WPC-3-FS-RA</u> DIMENSIONS INCH A .75 B .62 C 1.08 D 1.25 E 2.37 L 18.00	<u>WPC-4-FS-RA</u> DIMENSIONS INCH A .75 B .62 C 1.08 D 1.25 E 2.37 L 18.00
 INVERSE IN-LINE RECEPTACLE	<u>WPC-1-MS</u> DIMENSIONS INCH A .75 B .62 C .52 D .50 L 18.00	<u>WPC-2-MS</u> DIMENSIONS INCH A .75 B .62 C .52 D 1.19 L 18.00	<u>WPC-3-MS</u> DIMENSIONS INCH A .75 B .62 C .52 D 1.19 L 18.00	<u>WPC-4-MS</u> DIMENSIONS INCH A .75 B .62 C .52 D 1.19 L 18.00
 INVERSE RIGHT ANGLE RECEPTACLE	<u>WPC-1-MS-RA</u> DIMENSIONS INCH A .75 B .62 C .50 D 1.25 E 2.37 L 18.00	<u>WPC-2-MS-RA</u> DIMENSIONS INCH A .75 B .62 C .50 D 1.25 E 2.37 L 18.00	<u>WPC-3-MS-RA</u> DIMENSIONS INCH A .75 B .62 C .50 D 1.25 E 2.37 L 18.00	<u>WPC-4-MS-RA</u> DIMENSIONS INCH A .75 B .62 C .50 D 1.25 E 2.37 L 18.00



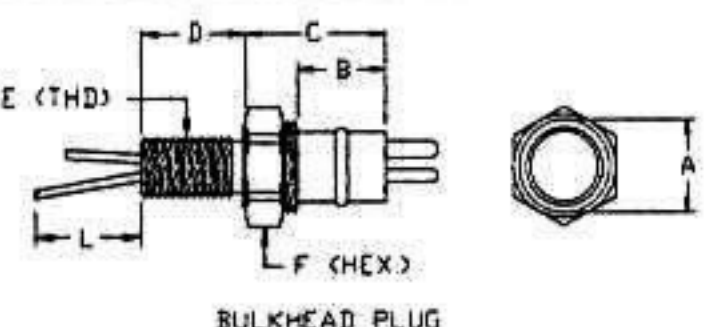
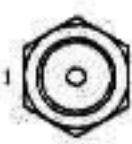

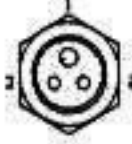

U.S.I. W P C BULKHEAD

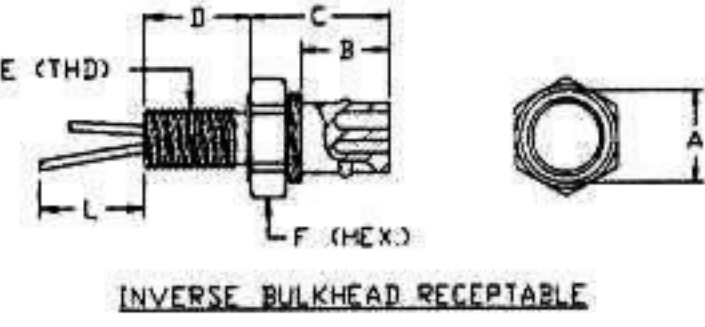




	#1- 10 AWG	#1- 10 AWG #2- 14 AWG	#1- 10 AWG #2- 14 AWG #3- 14 AWG	#1- 14 AWG #2- 16 AWG #3- 16 AWG #4- 16 AWG
 BULKHEAD PLUG	<u>WPC-1-MP-BH-1</u> DIMENSIONS INCH A ø1.00 B .62 C 1.24 D .75 E 3/4-16UNF F 1.12 L 18.00 O-RING 2-019	<u>WPC-2-MP-BH-1</u> DIMENSIONS INCH A ø1.00 B .62 C 1.24 D .75 E 3/4-16UNF F 1.12 L 18.00 O-RING 2-019	<u>WPC-3-MP-BH-1</u> DIMENSIONS INCH A ø1.00 B .62 C 1.24 D .75 E 3/4-16UNF F 1.12 L 18.00 O-RING 2-019	<u>WPC-4-MP-BH-1</u> DIMENSIONS INCH A ø1.00 B .62 C 1.24 D .75 E 3/4-16UNF F 1.12 L 18.00 O-RING 2-019
 INVERSE BULKHEAD PLUG	<u>WPC-1-FP-BH-1</u> DIMENSIONS INCH A ø1.00 B .62 C 1.24 D .75 E 3/4-16UNF F 1.12 L 18.00 O-RING 2-019	<u>WPC-2-FP-BH-1</u> DIMENSIONS INCH A ø1.00 B .62 C 1.24 D .75 E 3/4-16UNF F 1.12 L 18.00 O-RING 2-019	<u>WPC-3-FP-BH-1</u> DIMENSIONS INCH A ø1.00 B .62 C 1.24 D .75 E 3/4-16UNF F 1.12 L 18.00 O-RING 2-019	<u>WPC-4-FP-BH-1</u> DIMENSIONS INCH A ø1.00 B .62 C 1.24 D .75 E 3/4-16UNF F 1.12 L 18.00 O-RING 2-019
	#1- 10 AWG	#1- 10 AWG #2- 14 AWG	#1- 10 AWG #2- 14 AWG #3- 14 AWG	#1- 14 AWG #2- 16 AWG #3- 16 AWG #4- 16 AWG
 BULKHEAD RECEPTABLE	<u>WPC-1-FS-BH-1</u> DIMENSIONS INCH A ø1.00 B .62 C 1.50 D .75 E 3/4-16UNF F 1.12 L 18.00 O-RING 2-019	<u>WPC-2-FS-BH-1</u> DIMENSIONS INCH A ø1.00 B .62 C 1.50 D .75 E 3/4-16UNF F 1.12 L 18.00 O-RING 2-019	<u>WPC-3-FS-BH-1</u> DIMENSIONS INCH A ø1.00 B .62 C 1.50 D .75 E 3/4-16UNF F 1.12 L 18.00 O-RING 2-019	<u>WPC-4-FS-BH-1</u> DIMENSIONS INCH A ø1.00 B .62 C 1.50 D .75 E 3/4-16UNF F 1.12 L 18.00 O-RING 2-019
 INVERSE BULKHEAD RECEPTABLE	<u>WPC-1-MS-BH-1</u> DIMENSIONS INCH A ø1.00 B .62 C 1.24 D .75 E 3/4-16UNF F 1.12 L 18.00 O-RING 2-019	<u>WPC-2-MS-BH-1</u> DIMENSIONS INCH A ø1.00 B .62 C 1.24 D .75 E 3/4-16UNF F 1.12 L 18.00 O-RING 2-019	<u>WPC-3-MS-BH-1</u> DIMENSIONS INCH A ø1.00 B .62 C 1.24 D .75 E 3/4-16UNF F 1.12 L 18.00 O-RING 2-019	<u>WPC-4-MS-BH-1</u> DIMENSIONS INCH A ø1.00 B .62 C 1.24 D .75 E 3/4-16UNF F 1.12 L 18.00 O-RING 2-019



U.S.I. W P C BULKHEAD

THREADED FOR LOCKING SLEEVE

 BULKHEAD PLUG	#1- 10 AWG	#1- 10 AWG #2- 14 AWG	#1- 10 AWG #2- 14 AWG #3- 14 AWG	#1- 14 AWG #2- 16 AWG #3- 16 AWG #4- 16 AWG
				
	<u>WPC-1-MP-BH-2</u> DIMENSIONS INCH A .92 B .62 C 1.09 D .75 E 3/4-16UNF F 1.12 L 18.00 'O'-RING 2-019	<u>WPC-2-MP-BH-2</u> DIMENSIONS INCH A .92 B .62 C 1.09 D .75 E 3/4-16UNF F 1.12 L 18.00 'O'-RING 2-019	<u>WPC-3-MP-BH-2</u> DIMENSIONS INCH A .92 B .62 C 1.09 D .75 E 3/4-16UNF F 1.12 L 18.00 'O'-RING 2-019	<u>WPC-4-MP-BH-2</u> DIMENSIONS INCH A .92 B .62 C 1.09 D .75 E 3/4-16UNF F 1.12 L 18.00 'O'-RING 2-019

 INVERSE BULKHEAD RECEPTABLE	#1- 10 AWG	#1- 10 AWG #2- 14 AWG	#1- 10 AWG #2- 14 AWG #3- 14 AWG	#1- 14 AWG #2- 16 AWG #3- 16 AWG #4- 16 AWG
				
	<u>WPC-1-MS-BH-2</u> DIMENSIONS INCH A .92 B .62 C 1.09 D .75 E 3/4-16UNF F 1.12 L 18.00 'O'-RING 2-019	<u>WPC-2-MS-BH-2</u> DIMENSIONS INCH A .92 B .62 C 1.09 D .75 E 3/4-16UNF F 1.12 L 18.00 'O'-RING 2-019	<u>WPC-3-MS-BH-2</u> DIMENSIONS INCH A .92 B .62 C 1.09 D .75 E 3/4-16UNF F 1.12 L 18.00 'O'-RING 2-019	<u>WPC-4-MS-BH-2</u> DIMENSIONS INCH A .92 B .62 C 1.09 D .75 E 3/4-16UNF F 1.12 L 18.00 'O'-RING 2-019

ST Underwater Connector Series

PRODUCTS FEATURE:

This very reliable and proven SELFPURGING & PRESSURED BALANCED Series is the traditional underwater pluggable connector. This series has been accepted by nearly every underwater subsea and hazardous industry in the world. The ST Connector Series is very rugged while providing the user with a wide range of body styles; in-line, bulkhead, and dummy configurations. Connector body is neoprene rubber molded directly to the cable with heat treated beryllium copper contacts. The user has the choice of 1,2,3,4,5,6, and 8 contact versions available with a choice of 7.5,15,60,85,100, and 175 amp power rated conductors.

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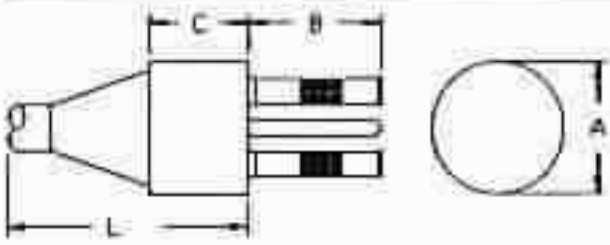




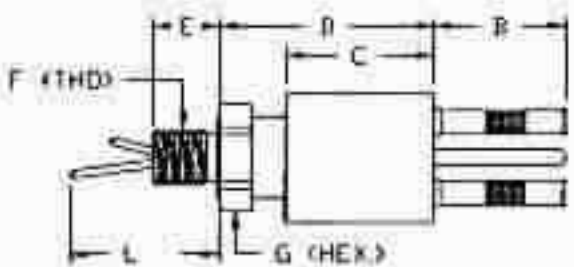
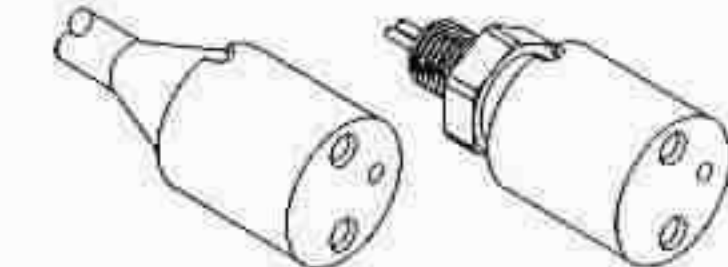
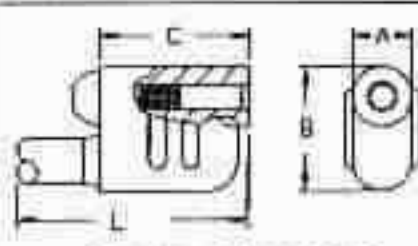


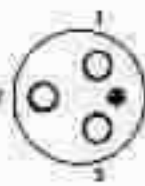

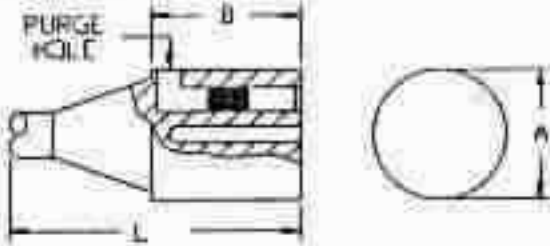
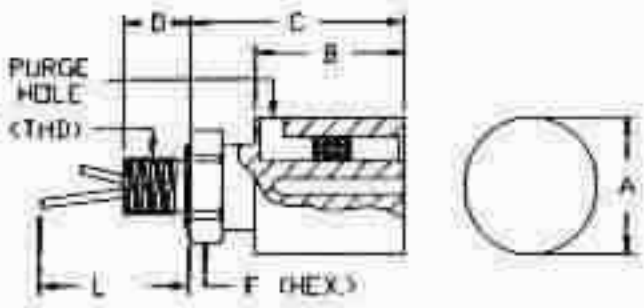
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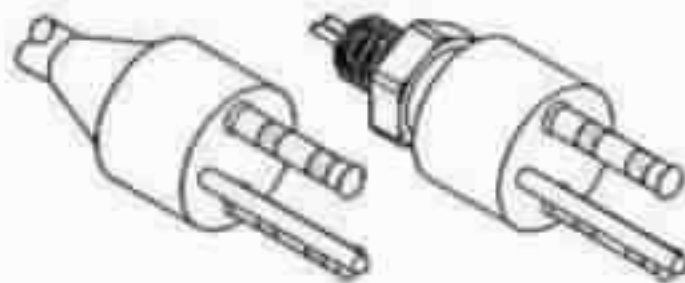


U.S.I. ST CIRCULAR, "E" CONTACT

		● INDICATE POLARIZING PIN			
					
IN-LINE PLUG		STE1CM-1 (SIE1M-1) DIMENSIONS INCH A .62 B 1.00 C 1.00 L 24.00	STE2CM-1 (SIE2M-1) DIMENSIONS INCH A .62 B 1.00 C 1.56 L 24.00	STE3CM-1 (SIE3M-1) DIMENSIONS INCH A .62 B 1.00 C 1.56 L 24.00	STE4CM-1 (SIE4M-1) DIMENSIONS INCH A .62 B 1.00 C 1.56 L 24.00
		STE1CM-BH (SIE1M-1) DIMENSIONS INCH A .62 B 1.00 C .62 D 1.12 E .50 F 7/16-20UNF G .75 L 12.00 *D*-RING 2-014	STE2CM-BH (SIE2M-1) DIMENSIONS INCH A .62 B 1.00 C .62 D 1.12 E .50 F 7/16-20UNF G .75 L 12.00 *D*-RING 2-014	STE3CM-BH (SIE3M-1) DIMENSIONS INCH A .62 B 1.00 C .62 D 1.12 E .50 F 7/16-20UNF G .75 L 12.00 *D*-RING 2-014	STE4CM-BH (SIE4M-1) DIMENSIONS INCH A .62 B 1.00 C .62 D 1.12 E .50 F 7/16-20UNF G .75 L 12.00 *D*-RING 2-014
		● INDICATE POLARIZING HOLE			
					
IN-LINE RECEPTACLE		STE1CF-1 (SIE1F-1) DIMENSIONS INCH A .45 B .93 C 1.12 L 24.00	STE2CF-1 (SIE2F-1) DIMENSIONS INCH A .45 B .93 C 1.12 L 24.00	STE3CF-1 (SIE3F-1) DIMENSIONS INCH A .45 B .93 C 1.12 L 24.00	STE4CF-1 (SIE4F-1) DIMENSIONS INCH A .45 B .93 C 1.12 L 24.00
		STE1CF-2 (SIE1F-2) DIMENSIONS INCH A .45 B 1.56 C 1.12 L 24.00	STE2CF-2 (SIE2F-2) DIMENSIONS INCH A .45 B 1.12 C 1.12 L 24.00	STE3CF-2 (SIE3F-2) DIMENSIONS INCH A .45 B 1.12 C 1.12 L 24.00	STE4CF-2 (SIE4F-2) DIMENSIONS INCH A .45 B 1.12 C 1.12 L 24.00
		STE1CF-BH (SIE1F-1) DIMENSIONS INCH A .62 B 1.50 C .60 D .50 E 7/16-20UNF F .75 L 12.00 *D*-RING 2-014	STE2CF-BH (SIE2F-1) DIMENSIONS INCH A .62 B 1.12 C .62 D .50 E 7/16-20UNF F .75 L 12.00 *D*-RING 2-014	STE3CF-BH (SIE3F-1) DIMENSIONS INCH A .62 B 1.12 C .62 D .50 E 7/16-20UNF F .75 L 12.00 *D*-RING 2-014	STE4CF-BH (SIE4F-1) DIMENSIONS INCH A .62 B 1.12 C .62 D .50 E 7/16-20UNF F .75 L 12.00 *D*-RING 2-014
IN-LINE RECEPTACLE		BULKHEAD RECEPTACLE			

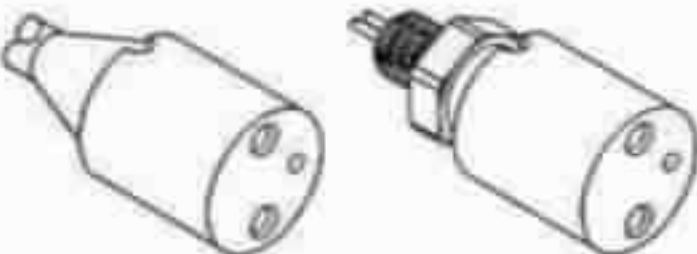


U.S.I. CIRCULAR, "F" CONTACT



(● INDICATE POLARIZING PIN)

	STF2CH-1 (SIF2M-1) DIMENSIONS INCH A ø.43 B 1.00 C 1.00 L 24.00	STF2CH-2 (SIF2M-50) DIMENSIONS INCH A ø.62 B 1.00 C 1.56 L 24.00	STF4CH-1 (SIF4M-1) DIMENSIONS INCH A ø1.00 B 1.00 C .75 L 24.00	STF6CH-1 (SIF6M-1) DIMENSIONS INCH A ø1.25 B 1.00 C .75 L 36.00	STF8CH-1 (SIF8M-1) DIMENSIONS INCH A ø1.25 B 1.00 C .75 L 36.00
		STF2CH-BH (SIF2M-1) DIMENSIONS INCH A ø.62 B 1.00 C .62 D 1.62 E .50 F 7/16-20UNF G .75 L 12.00 "O"-RING 2-014	STF4CH-BH (SIF4M-1) DIMENSIONS INCH A ø1.00 B 1.00 C 1.12 D 1.62 E .50 F 7/16-20UNF G .75 L 12.00 "O"-RING 2-014	STF6CH-BH (SIF6M-1) DIMENSIONS INCH A ø1.25 B 1.00 C 1.12 D 1.62 E .50 F 1/2-20UNF G .87 L 12.00 "O"-RING 2-015	STF8CH-BH (SIF8M-1) DIMENSIONS INCH A ø1.25 B 1.00 C 1.12 D 1.62 E .50 F 1/2-20UNF G .87 L 12.00 "O"-RING 2-015

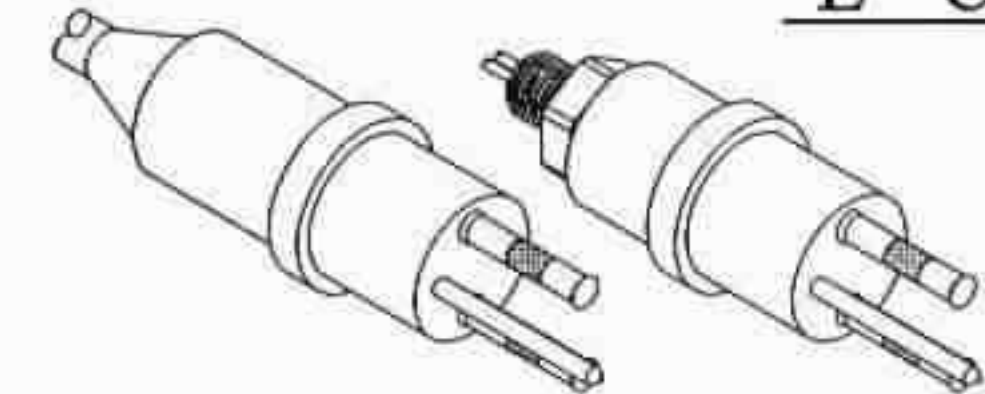


(● INDICATE POLARIZING HOLE)


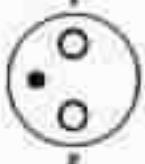
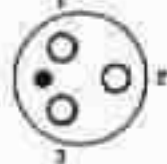

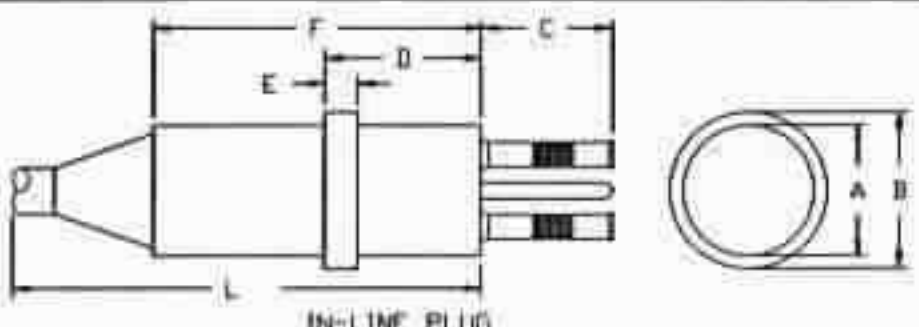
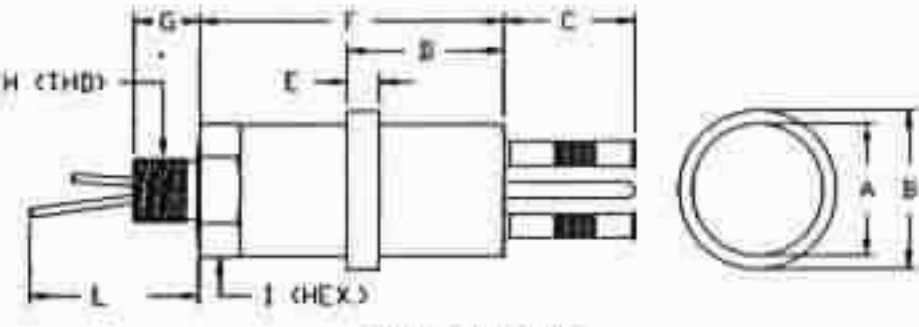
	STF2CF-1 (SIF2F-1) DIMENSIONS INCH A ø.45 B .93 C 1.12 L 24.00				
		STF2CF-2 (SIF2F-10) DIMENSIONS INCH A ø.62 B 1.56 L 24.00	STF4CF-1 (SIF4F-1) DIMENSIONS INCH A ø1.00 B 1.12 L 24.00	STF6CF-1 (SIF6F-1) DIMENSIONS INCH A ø1.25 B 1.12 L 36.00	STF8CF-1 (SIF8F-1) DIMENSIONS INCH A ø1.25 B 1.12 L 36.00
		STF2CF-BH (SIF2F-1) DIMENSIONS INCH A ø.62 B 1.50 C 2.00 D .50 E 7/16-20UNF F .75 L 12.00 "O"-RING 2-014	STF4CF-BH (SIF4F-1) DIMENSIONS INCH A ø1.00 B 1.12 C 1.62 D .50 E 7/16-20UNF F .75 L 12.00 "O"-RING 2-014	STF6CF-BH (SIF6F-1) DIMENSIONS INCH A ø1.25 B 1.12 C 1.62 D .50 E 1/2-20UNF F .75 L 12.00 "O"-RING 2-015	STF8CF-BH (SIF8F-1) DIMENSIONS INCH A ø1.25 B 1.12 C 1.62 D .50 E 1/2-20UNF F .87 L 12.00 "O"-RING 2-015

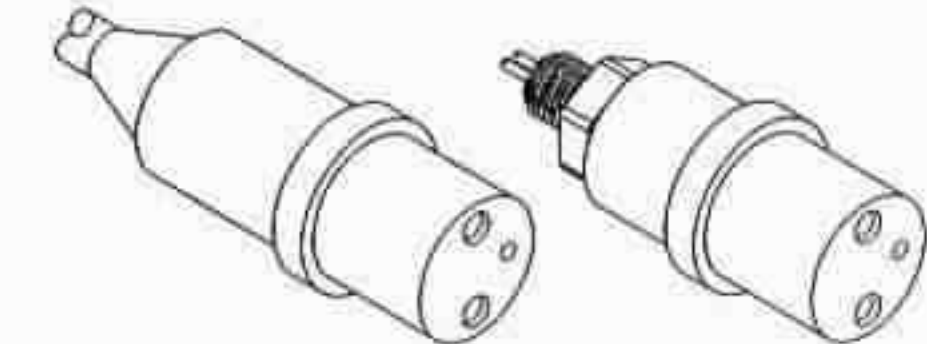


U.S.I. ST CIRCULAR WITH FLANGE, "E" CONTACT





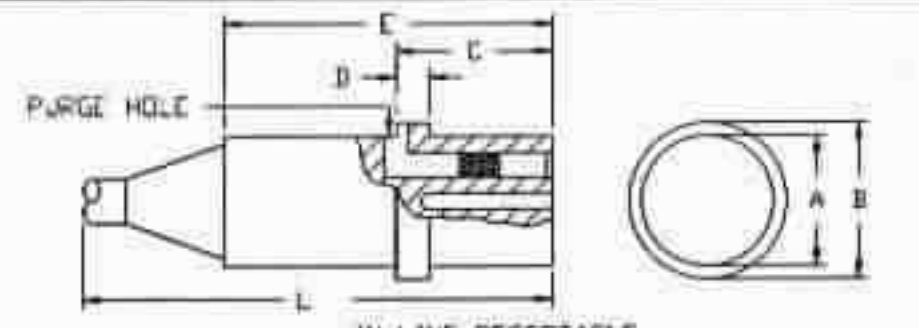



◀◀ INDICATE POLARIZING PIN

				
 IN-LINE PLUG	STE1CMF-1 (B51E1M-1) DIMENSIONS INCH A ø.62 B ø.82 C 1.00 D 1.19 E .25 F 2.50 L 36.00	STE2CMF-1 (B51E2M-1) DIMENSIONS INCH A ø1.00 B ø1.20 C 1.00 D 1.19 E .25 F 2.50 L 36.00	STE3CMF-1 (B51E3M-1) DIMENSIONS INCH A ø1.00 B ø1.20 C 1.00 D 1.19 E .25 F 2.50 L 36.00	STE4CMF-1 (B51E4M-1) DIMENSIONS INCH A ø1.25 B ø1.45 C 1.00 D 1.19 E .25 F 2.50 L 36.00
 BULKHEAD PLUG	STE1CMF-BH (B53E1M-1) DIMENSIONS INCH A ø.62 B ø.82 C 1.00 D 1.19 E .25 F 2.00 G .50 H 1/2-20UNF I .87 L 12.00 *D*-RING 2-015	STE2CMF-BH (B53E2M-1) DIMENSIONS INCH A ø1.00 B ø1.20 C 1.00 D 1.19 E .25 F 2.00 G .50 H 1/2-20UNF I .87 L 12.00 *D*-RING 2-015	STE3CMF-BH (B53E3M-1) DIMENSIONS INCH A ø1.00 B ø1.20 C 1.00 D 1.19 E .25 F 2.00 G .50 H 1/2-20UNF I .87 L 12.00 *D*-RING 2-015	STE4CMF-BH (B53E4M-1) DIMENSIONS INCH A ø1.25 B ø1.45 C 1.00 D 1.19 E .25 F 2.00 G .50 H 3/4-16UNF I 1.12 L 12.00 *D*-RING 2-019

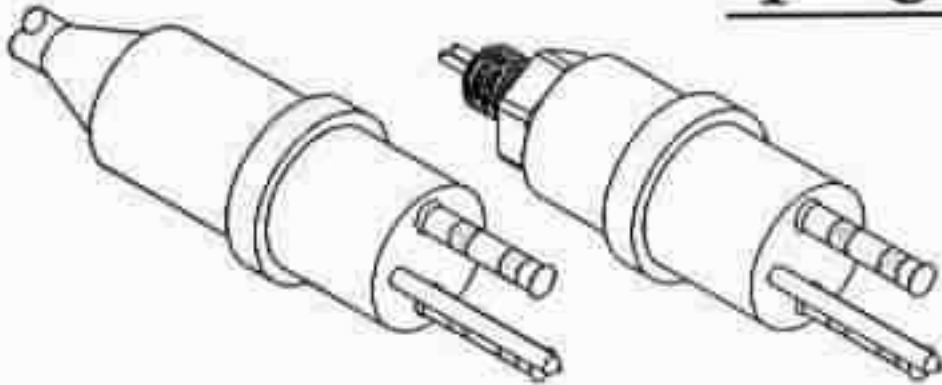


◀◀ INDICATE POLARIZING HOLE

				
 IN-LINE RECEPTACLE	STE1CFF-1 (B51C1F-1) DIMENSIONS INCH A ø.62 B ø.82 C 1.19 D .25 E 2.50 L 36.00	STE2CFF-1 (B51C2F-1) DIMENSIONS INCH A ø1.00 B ø1.20 C 1.19 D .25 E 2.50 L 36.00	STE3CFF-1 (B51C3F-1) DIMENSIONS INCH A ø1.00 B ø1.20 C 1.19 D .25 E 2.50 L 36.00	STE4CFF-1 (B51C4F-1) DIMENSIONS INCH A ø1.25 B ø1.45 C 1.19 D .25 E 2.50 L 36.00
 BULKHEAD RECEPTACLE	STE1CFF-BH (B53C1F-1) DIMENSIONS INCH A ø.62 B ø.82 C 1.19 D .25 E 2.31 F .50 G 1/2-20UNF H .87 L 12.00 *D*-RING 2-015	STE2CFF-BH (B53C2F-1) DIMENSIONS INCH A ø1.00 B ø1.20 C 1.19 D .25 E 2.31 F .50 G 1/2-20UNF H .87 L 12.00 *D*-RING 2-015	STE3CFF-BH (B53C3F-1) DIMENSIONS INCH A ø1.00 B ø1.20 C 1.19 D .25 E 2.31 F .50 G 1/2-20UNF H .87 L 12.00 *D*-RING 2-015	STE4CFF-BH (B53C4F-1) DIMENSIONS INCH A ø1.25 B ø1.45 C 1.19 D .25 E 2.31 F .50 G 3/4-16UNF H 1.12 L 12.00 *D*-RING 2-019

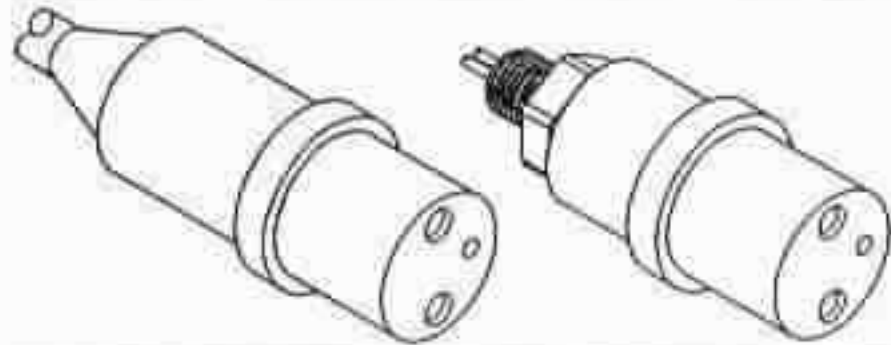


U.S.I. ST CIRCULAR WITH FLANGE, "F" CONTACT



(● INDICATE POLARIZING PIN)

 IN-LINE PLUG				
	STF2CMF-1 (BS1F2M-1) DIMENSIONS INCH A ø.62 B ø.82 C 1.00 D 1.19 E .25 F 2.50 L 36.00	STF4CMF-1 (BS1F4M-1) DIMENSIONS INCH A ø1.00 B ø1.20 C 1.00 D 1.19 E .25 F 2.50 L 36.00	STF6CMF-1 (BS1F6M-1) DIMENSIONS INCH A ø1.25 B ø1.45 C 1.00 D 1.19 E .25 F 2.50 L 36.00	STF8CMF-1 (BS1F8M-1) DIMENSIONS INCH A ø1.25 B ø1.45 C 1.00 D 1.19 E .25 F 2.50 L 36.00
 BULKHEAD PLUG	STF2CMF-BH (BS1F2M-1) DIMENSIONS INCH A ø.62 B ø.82 C 1.00 D 1.19 E .25 F 2.00 G .50 H 1/2-20UNF I .87 L 12.00 "O"-RING 2-015	STF4CMF-BH (BS1F4M-1) DIMENSIONS INCH A ø1.00 B ø1.20 C 1.00 D 1.19 E .25 F 2.00 G .50 H 1/2-20UNF I .87 L 12.00 "O"-RING 2-015	STF6CMF-BH (BS1F6M-1) DIMENSIONS INCH A ø1.25 B ø1.45 C 1.00 D 1.19 E .25 F 2.00 G .50 H 3/4-16UNF I 1.12 L 12.00 "O"-RING 2-019	STF8CMF-BH (BS1F8M-1) DIMENSIONS INCH A ø1.25 B ø1.45 C 1.00 D 1.19 E .25 F 2.00 G .50 H 3/4-16UNF I 1.12 L 12.00 "O"-RING 2-019



(● INDICATE POLARIZING HOLE)

 IN-LINE RECEPTACLE				
	STF2CFF-1 (BS1F2F-1) DIMENSIONS INCH A ø.62 B ø.82 C 1.19 D .25 E 2.50 L 36.00	STF4CFF-1 (BS1F4F-1) DIMENSIONS INCH A ø1.00 B ø1.20 C 1.19 D .25 E 2.50 L 36.00	STF6CFF-1 (BS1F6F-1) DIMENSIONS INCH A ø1.25 B ø1.45 C 1.19 D .25 E 2.50 L 36.00	STF8CFF-1 (BS1F8F-1) DIMENSIONS INCH A ø1.25 B ø1.45 C 1.19 D .25 E 2.50 L 36.00
 BULKHEAD RECEPTACLE	STF2CFF-BH (BS1F2F-1) DIMENSIONS INCH A ø.62 B ø.82 C 1.19 D .25 E 2.31 F .50 G 1/2-20UNF H .87 L 12.00 "O"-RING 2-015	STF4CFF-BH (BS1F4F-1) DIMENSIONS INCH A ø1.00 B ø1.20 C 1.19 D .25 E 2.31 F .50 G 1/2-20UNF H .87 L 12.00 "O"-RING 2-015	STF6CFF-BH (BS1F6F-1) DIMENSIONS INCH A ø1.25 B ø1.45 C 1.19 D .25 E 2.31 F .50 G 3/4-16UNF H 1.12 L 12.00 "O"-RING 2-019	STF8CFF-BH (BS1F8F-1) DIMENSIONS INCH A ø1.25 B ø1.45 C 1.19 D .25 E 2.31 F .50 G 3/4-16UNF H 1.12 L 12.00 "O"-RING 2-019



U.S.I. ST CIRCULAR, "H" CONTACT

◐ INDICATE POLARIZING PIN

IN-LINE PLUG

STH1CM-1
(S1H1M-1)
DIMENSIONS
INCH
A ø1.00
B 2.00
C 1.50
L 36.00

STH3CM-1
(S1H3M-1)
DIMENSIONS
INCH
A ø2.00
B 2.00
C 1.50
L 36.00

STH4CM-1
(S1H4M-1)
DIMENSIONS
INCH
A 2.00
B 2.00
C 1.50
L 36.00

BULKHEAD PLUG

STH1CM-BH
(S3H1M-1)
DIMENSIONS
INCH
A ø1.00
B 2.00
C 1.81
D 2.37
E .75
F 3/4-16UNF
G 1.12
L 12.00
O-RING 2-019

STH3CM-BH
(S3H3M-1)
DIMENSIONS
INCH
A ø2.00
B 2.00
C 2.50
D 3.12
E 1.25
F 1 1/4-12UNF
G 2.00
L 12.00
O-RING 2-125

STH4CM-BH
(S3H4M-1)
DIMENSIONS
INCH
A ø2.00
B 2.00
C 2.50
D 3.125
E 1.25
F 1 1/4-12UNF
G 2.00
L 12.00
O-RING 2-125

(● INDICATE POLARIZING HOLE)

IN-LINE RECEPTACLE

STH1CM-1
(S1H1M-1)
DIMENSIONS
INCH
A ø1.00
B 2.00
C 1.50
L 36.00

STH3CM-1
(S1H3M-1)
DIMENSIONS
INCH
A ø2.00
B 2.00
C 1.50
L 36.00

STH4CM-1
(S1H4M-1)
DIMENSIONS
INCH
A 2.00
B 2.00
C 1.50
L 36.00

BULKHEAD RECEPTACLE

STH1CF-BH
(S3H1F-1)
DIMENSIONS
INCH
A ø1.00
B 2.93
C 3.5
D .75
E 3/4-16UNF
F 1.12
L 12.00
O-RING 2-019

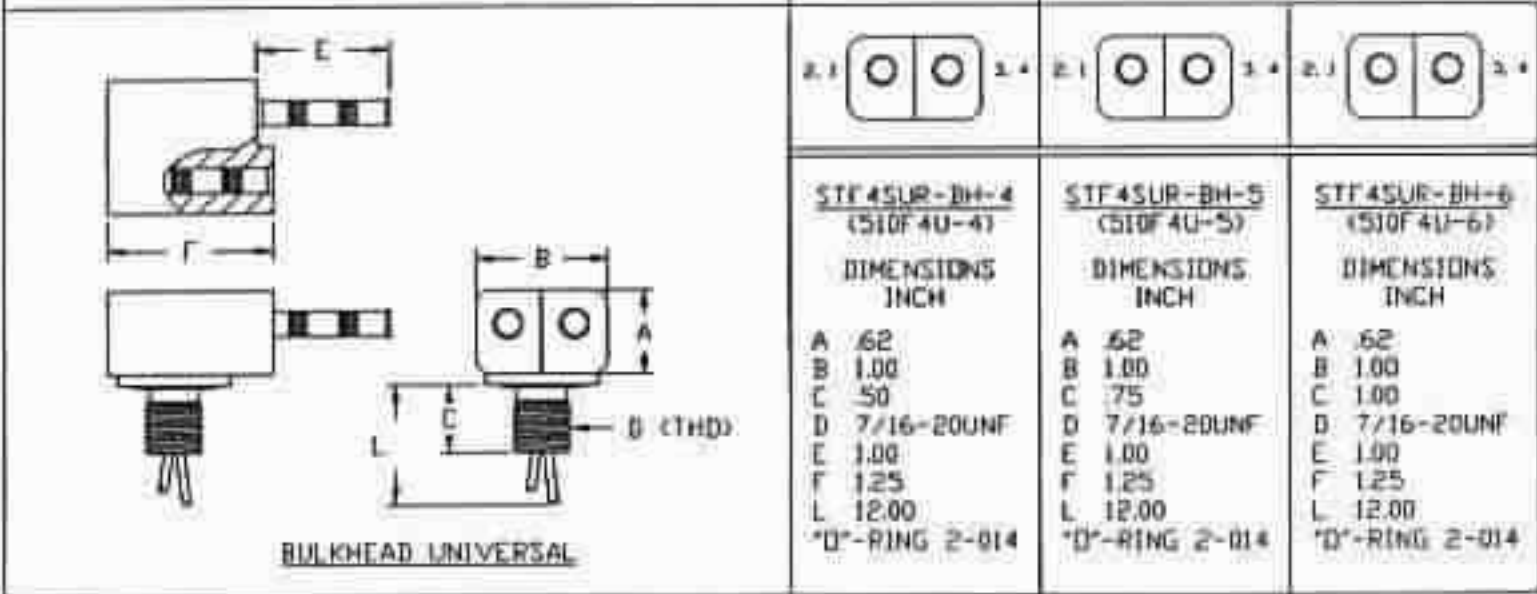
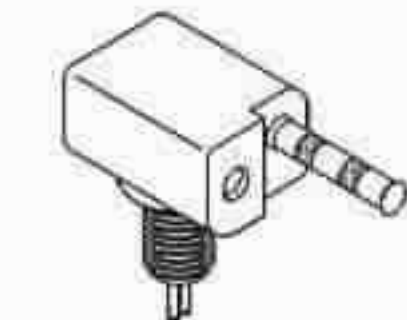
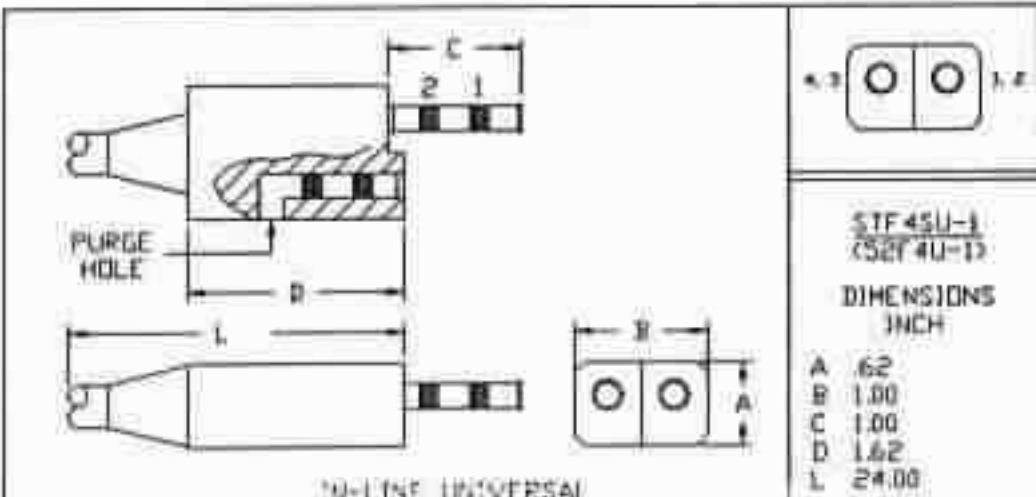
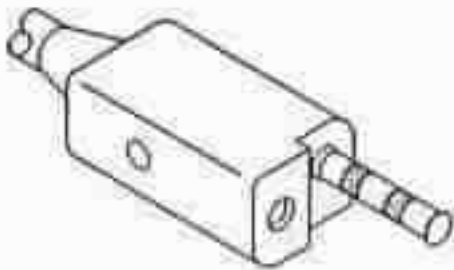
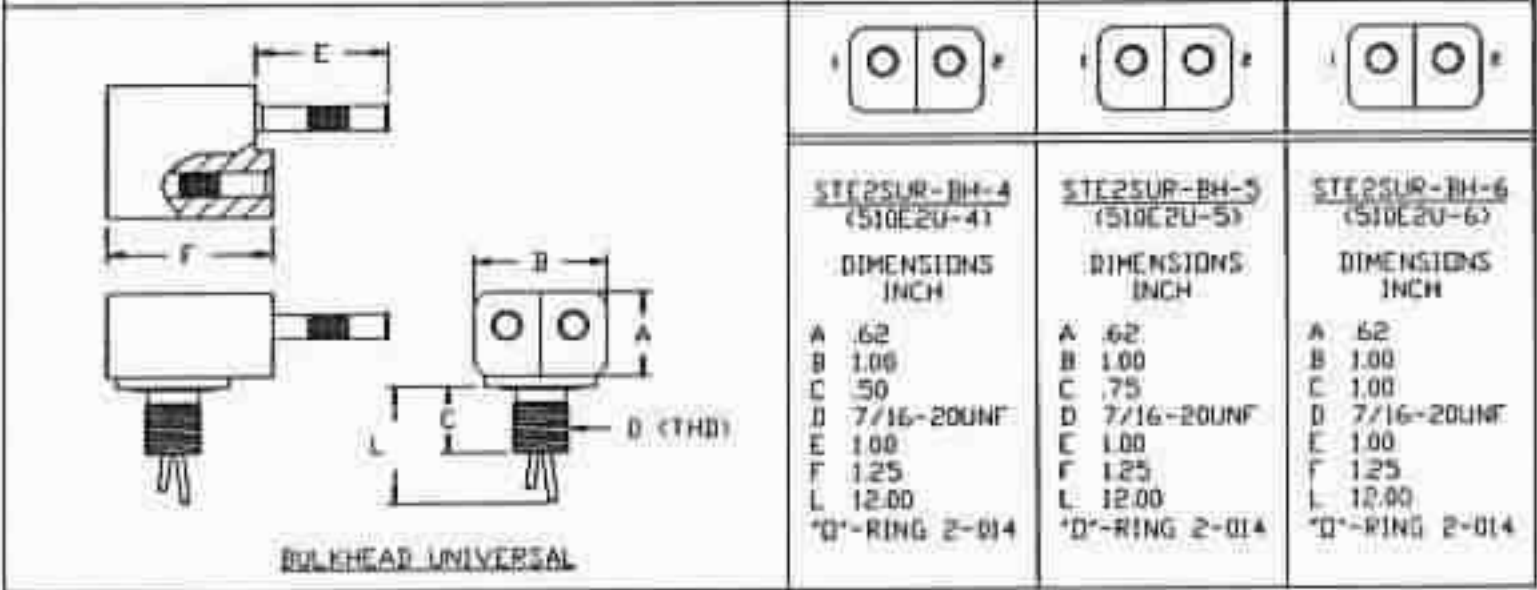
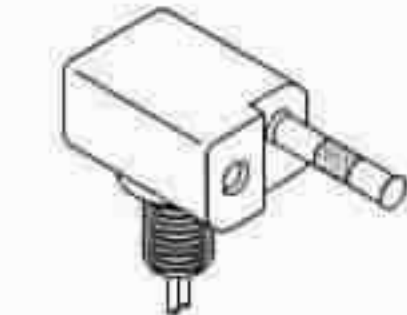
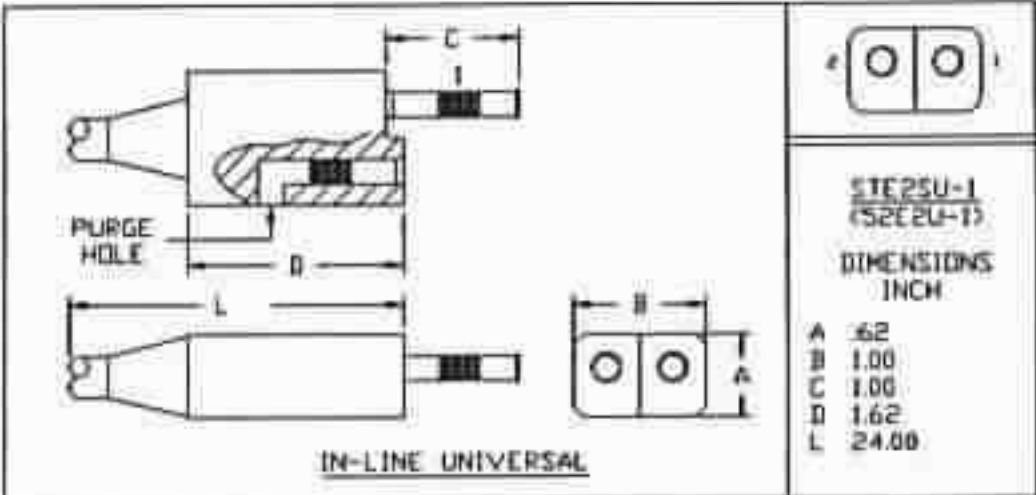
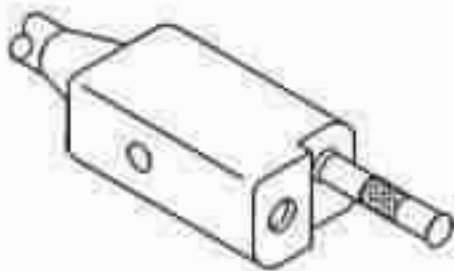
STH3CF-BH
(S3H3F-1)
DIMENSIONS
INCH
A ø2.00
B 2.37
C 3.00
D 1.25
E 1 1/4-12UNF
F 2.00
L 12.00
O-RING 2-125

STH4CF-BH
(S3H4F-1)
DIMENSIONS
INCH
A ø2.00
B 2.37
C 3.00
D 1.25
E 1 1/4-12UNF
F 2.00
L 12.00
O-RING 2-125



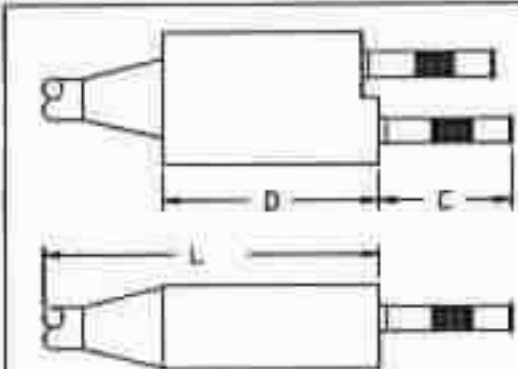
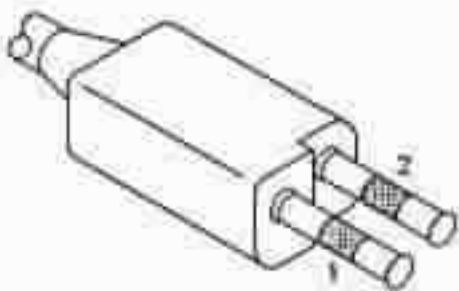


U.S.I. ST SQUARE UNIVERSAL

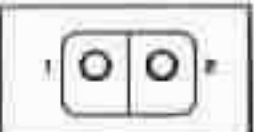




U.S.I. ST SQUARE, "E" CONTACT



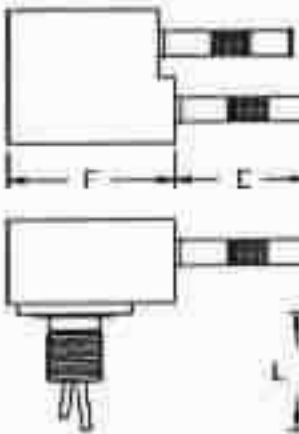
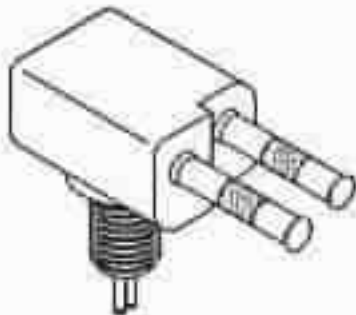
IN-LINE PLUG



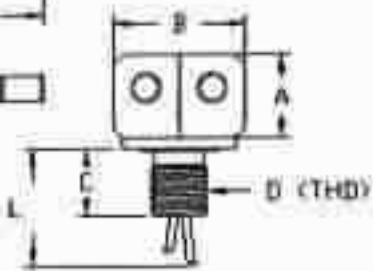
STE2SM-1
(52E2M-1)

DIMENSIONS
INCH

A .62
B 1.00
C 1.00
D 1.62
L 24.00



BULKHEAD PLUG



STE2SMR-BH-4
(510E2M-4)

DIMENSIONS
INCH

A .62
B 1.00
C .50
D 7/16-20UNF
E 1.00
F 1.25
L 12.00
D-RING 2-014

STE2SMR-BH-5
(510E2M-5)

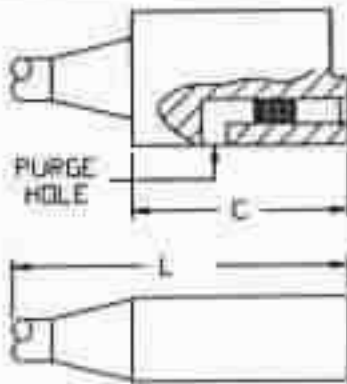
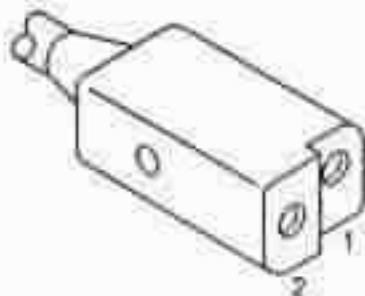
DIMENSIONS
INCH

A .62
B 1.00
C .75
D 7/16-20UNF
E 1.00
F 1.25
L 12.00
D-RING 2-014

STE2SMR-BH-6
(510E2M-6)

DIMENSIONS
INCH

A .62
B 1.00
C 1.00
D 7/16-20UNF
E 1.00
F 1.25
L 12.00
D-RING 2-014



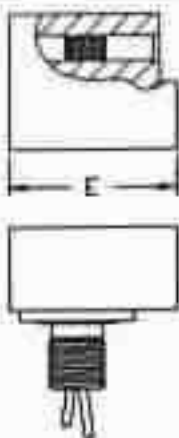
IN-LINE RECEPTACLE



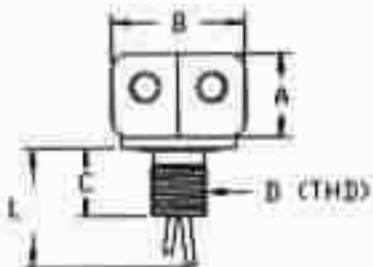
STE2SF-1
(52E2F-1)

DIMENSIONS
INCH

A .62
B 1.00
C 1.62
L 24.00



BULKHEAD RECEPTACLE



STE2SFR-BH-4
(510E2F-4)

DIMENSIONS
INCH

A .62
B 1.00
C .50
D 7/16-20UNF
E 1.25
L 12.00
D-RING 2-014

STE2SFR-BH-5
(510E2F-5)

DIMENSIONS
INCH

A .62
B 1.00
C .75
D 7/16-20UNF
E 1.25
L 12.00
D-RING 2-014

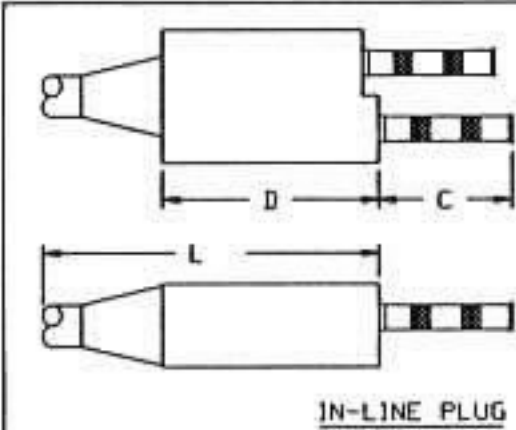
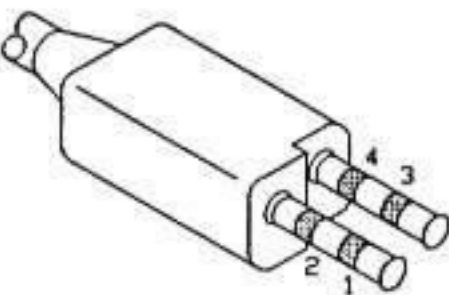
STE2SFR-BH-6
(510E2F-6)

DIMENSIONS
INCH

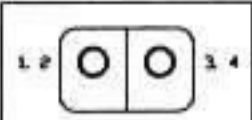
A .62
B 1.00
C 1.00
D 7/16-20UNF
E 1.25
L 12.00
D-RING 2-014



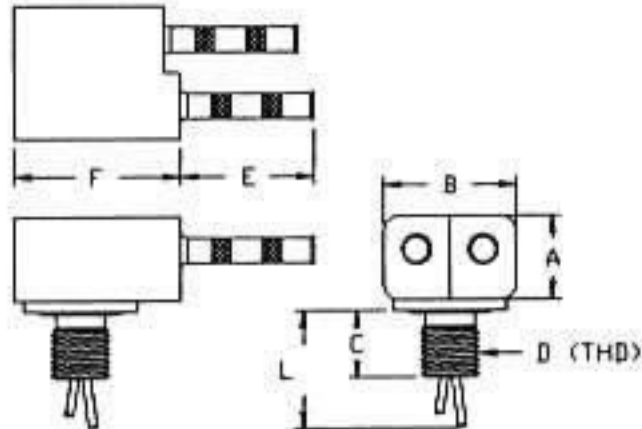
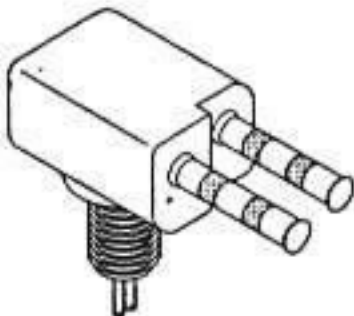
U.S.I. ST SQUARE, "F" CONTACT



IN-LINE PLUG



STF4SM-1
(52F4M-1)
DIMENSIONS
INCH
A .62
B 1.00
C 1.00
D 1.62
L 24.00

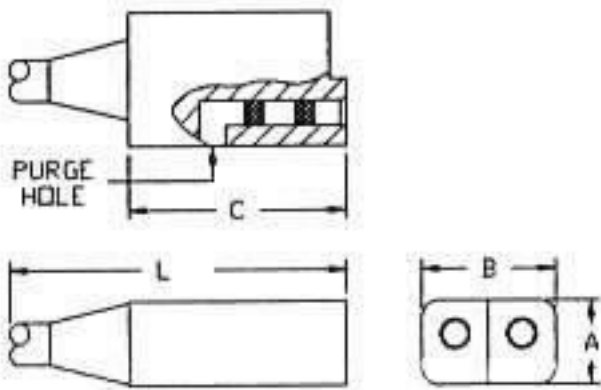
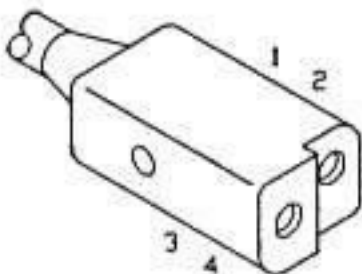


BULKHEAD PLUG

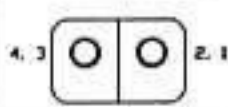
STF4SMR-BH-4
(510F4M-4)
DIMENSIONS
INCH
A .62
B 1.00
C .50
D 7/16-20UNF
E 1.00
F 1.25
L 12.00
D-RING 2-014

STF4SMR-BH-5
(510F4M-5)
DIMENSIONS
INCH
A .62
B 1.00
C .75
D 7/16-20UNF
E 1.00
F 1.25
L 12.00
D-RING 2-014

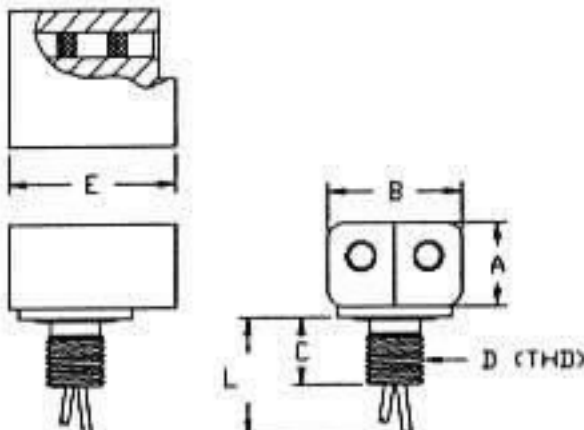
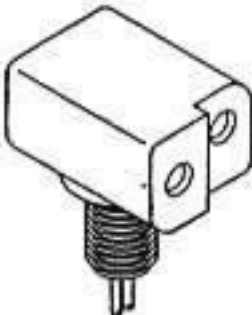
STF4SMR-BH-6
(510F4M-6)
DIMENSIONS
INCH
A .62
B 1.00
C 1.00
D 7/16-20UNF
E 1.00
F 1.25
L 12.00
D-RING 2-014



IN-LINE RECEPTACLE



STF4SF-1
(52F4F-1)
DIMENSIONS
INCH
A .62
B 1.00
C 1.62
L 24.00



BULKHEAD RECEPTACLE

STF4SFR-BH-4
(510F4F-4)
DIMENSIONS
INCH
A .62
B 1.00
C .50
D 7/16-20UNF
E 1.25
L 12.00
D-RING 2-014

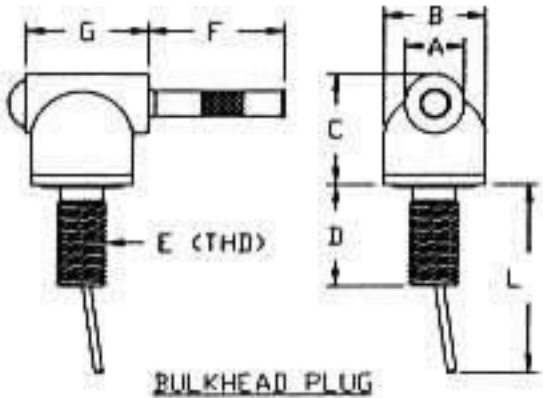



STF4SFR-BH-5
(510F4F-5)
DIMENSIONS
INCH
A .62
B 1.00
C .75
D 7/16-20UNF
E 1.25
L 12.00
D-RING 2-014

STF4SFR-BH-6
(510F4F-6)
DIMENSIONS
INCH
A .62
B 1.00
C 1.00
D 7/16-20UNF
E 1.25
L 12.00
D-RING 2-014

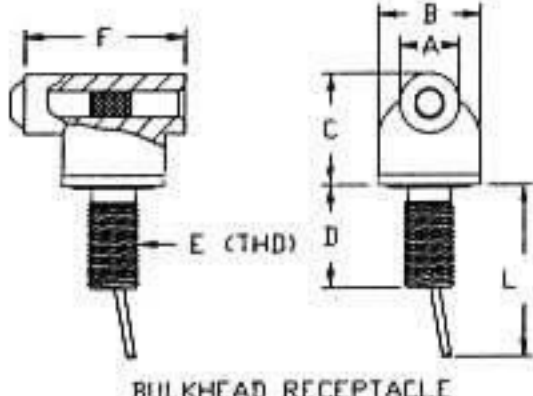





U.S.I. ST CIRCULAR RIGHT ANGLE
"E" CONTACT



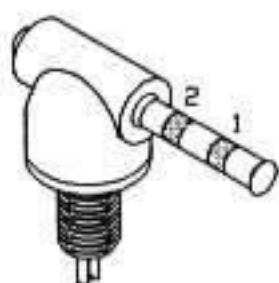
 BULKHEAD PLUG			
	STEICMR-BH-1 (59E1M-1) DIMENSIONS INCH	STEICMR-BH-2 (59E1M-2) DIMENSIONS INCH	STEICMR-BH-3 (59E1M-3) DIMENSIONS INCH
	A ø.43 B ø.75 C .81 D .50 E 3/8-24UNF F 1.00 G .90 L 12.00 *O*-RING 2-014	A ø.43 B ø.75 C .81 D .75 E 3/8-24UNF F 1.00 G .90 L 12.00 *O*-RING 2-014	A ø.43 B ø.75 C .81 D 1.00 E 3/8-24UNF F 1.00 G .90 L 12.00 *O*-RING 2-014
	STEICMR-BH-4 (59E1M-4) DIMENSIONS INCH	STEICMR-BH-5 (59E1M-5) DIMENSIONS INCH	STEICMR-BH-6 (59E1M-6) DIMENSIONS INCH
	A ø.43 B ø.75 C .81 D .50 E 7/16-20UNF F 1.00 G .90 L 12.00 *O*-RING 2-014	A ø.43 B ø.75 C .81 D .75 E 7/16-20UNF F 1.00 G .90 L 12.00 *O*-RING 2-014	A ø.43 B ø.75 C .81 D 1.00 E 7/16-20UNF F 1.00 G .90 L 12.00 *O*-RING 2-014

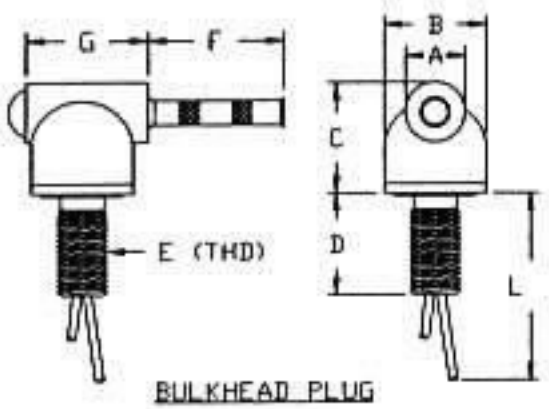
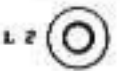
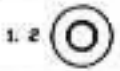


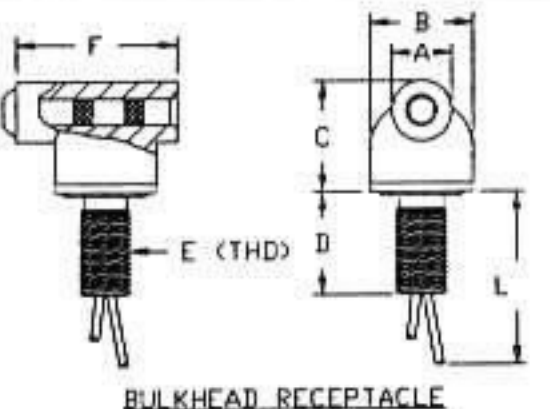


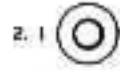


 BULKHEAD RECEPTACLE			
	STEICFR-BH-1 (59E1F-1) DIMENSIONS INCH	STEICFR-BH-2 (59E1F-2) DIMENSIONS INCH	STEICFR-BH-3 (59E1F-3) DIMENSIONS INCH
	A ø.43 B ø.75 C .81 D .50 E 3/8-24UNF F 1.18 L 12.00 *O*-RING 2-014	A ø.43 B ø.75 C .81 D .75 E 3/8-24UNF F 1.18 L 12.00 *O*-RING 2-014	A ø.43 B ø.75 C .81 D 1.00 E 3/8-24UNF F 1.18 L 12.00 *O*-RING 2-014
	STEICFR-BH-4 (59E1F-4) DIMENSIONS INCH	STEICFR-BH-5 (59E1F-5) DIMENSIONS INCH	STEICFR-BH-6 (59E1F-6) DIMENSIONS INCH
	A ø.43 B ø.75 C .81 D .50 E 7/16-20UNF F 1.18 L 12.00 *O*-RING 2-014	A ø.43 B ø.75 C .81 D .75 E 7/16-20UNF F 1.18 L 12.00 *O*-RING 2-014	A ø.43 B ø.75 C .81 D 1.00 E 7/16-20UNF F 1.18 L 12.00 *O*-RING 2-014



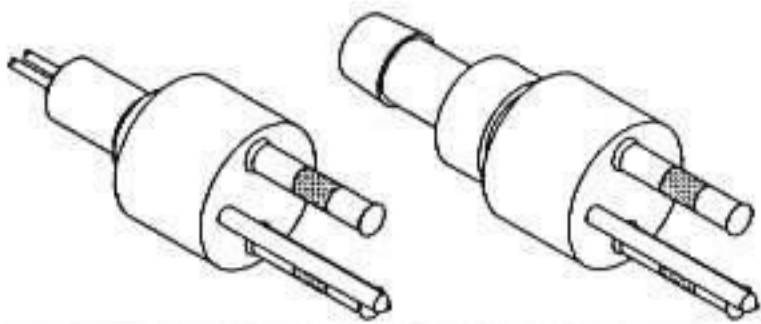
U.S.I. ST CIRCULAR RIGHT ANGLE "F" CONTACT



 BULKHEAD PLUG			
	<div>STF2CMR-BH-1 (59F2M-1) DIMENSIONS INCH A ø.43 B ø.75 C .81 D .50 E 3/8-24UNF F 1.00 G .90 L 12.00 *O*-RING 2-014</div>	<div>STF2CMR-BH-2 (59F2M-2) DIMENSIONS INCH A ø.43 B ø.75 C .81 D .75 E 3/8-24UNF F 1.00 G .90 L 12.00 *O*-RING 2-014</div>	<div>STF2CMR-BH-3 (59F2M-3) DIMENSIONS INCH A ø.43 B ø.75 C .81 D 1.00 E 3/8-24UNF F 1.00 G .90 L 12.00 *O*-RING 2-014</div>
	<div>STF2CMR-BH-4 (59F2M-4) DIMENSIONS INCH A ø.43 B ø.75 C .81 D .50 E 7/16-20UNF F 1.00 G .90 L 12.00 *O*-RING 2-014</div>	<div>STF2CMR-BH-5 (59F2M-5) DIMENSIONS INCH A ø.43 B ø.75 C .81 D .75 E 7/16-20UNF F 1.00 G .90 L 12.00 *O*-RING 2-014</div>	<div>STF2CMR-BH-6 (59F2M-6) DIMENSIONS INCH A ø.43 B ø.75 C .81 D 1.00 E 7/16-20UNF F 1.00 G .90 L 12.00 *O*-RING 2-014</div>
 BULKHEAD RECEPTACLE			
	<div>STF2CFR-BH-1 (59F2F-1) DIMENSIONS INCH A ø.43 B ø.75 C .81 D .50 E 3/8-24UNF F 1.18 L 12.00 *O*-RING 2-014</div>	<div>STF2CFR-BH-2 (59F2F-2) DIMENSIONS INCH A ø.43 B ø.75 C .81 D .75 E 3/8-24UNF F 1.18 L 12.00 *O*-RING 2-014</div>	<div>STF2CFR-BH-3 (59F2F-3) DIMENSIONS INCH A ø.43 B ø.75 C .81 D 1.00 E 3/8-24UNF F 1.18 L 12.00 *O*-RING 2-014</div>
	<div>STF2CFR-BH-4 (59F2F-4) DIMENSIONS INCH A ø.43 B ø.75 C .81 D .50 E 7/16-20UNF F 1.18 L 12.00 *O*-RING 2-014</div>	<div>STF2CFR-BH-5 (59F2F-5) DIMENSIONS INCH A ø.43 B ø.75 C .81 D .75 E 7/16-20UNF F 1.18 L 12.00 *O*-RING 2-014</div>	<div>STF2CFR-BH-6 (59F2F-6) DIMENSIONS INCH A ø.43 B ø.75 C .81 D 1.00 E 7/16-20UNF F 1.18 L 12.00 *O*-RING 2-014</div>

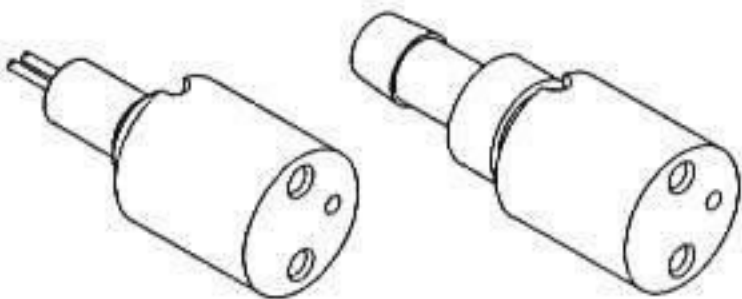


U.S.I. ST CIRCULAR, "E" CONTACT FIELD INSTALLABLE & OIL FILLED



(● INDICATE POLARIZING PIN)

 DM PLUG	<u>STE1CM-DM</u> DIMENSIONS INCH A .62 B 1.00 C 1.56 D .63 L 2.73	<u>STE2CM-DM</u> DIMENSIONS INCH A .62 B 1.00 C .75 D .63 L 2.73	<u>STE3CM-DM</u> DIMENSIONS INCH A .62 B 1.00 C .75 D .63 L 2.73	<u>STE4CM-DM</u> DIMENSIONS INCH A .62 B 1.00 C .75 D .63 L 2.73
 DF PLUG	<u>STE1CM-DF</u> DIMENSIONS INCH A .62 B 1.00 C .62 D 1.00 E .43	<u>STE2CM-DF</u> DIMENSIONS INCH A .62 B 1.00 C .62 D 1.00 E .43, .50	<u>STE3CM-DF</u> DIMENSIONS INCH A .62 B 1.00 C .62 D 1.00 E .43, .50	<u>STE4CM-DF</u> DIMENSIONS INCH A .62 B 1.00 C .62 D 1.00 E .43, .50, .62, .75

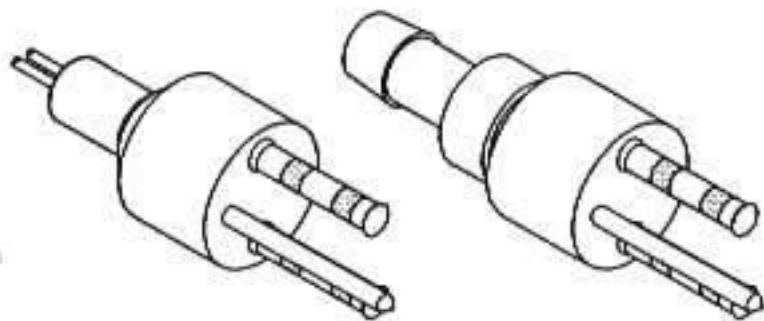


(● INDICATE POLARIZING HOLE)

 DM RECEPTACLE	<u>STE1CF-DM</u> DIMENSIONS INCH A .62 B 1.56 C .63 L 2.73	<u>STE2CF-DM</u> DIMENSIONS INCH A .62 B 1.12 C .63 L 2.73	<u>STE3CF-DM</u> DIMENSIONS INCH A .62 B 1.12 C .63 L 2.73	<u>STE4CF-DM</u> DIMENSIONS INCH A .62 B 1.12 C .63 L 2.73
 DF RECEPTACLE	<u>STE1CF-DF</u> DIMENSIONS INCH A .62 B 1.50 C 1.00 D .43	<u>STE2CF-DF</u> DIMENSIONS INCH A .62 B 1.12 C 1.00 D .43, .50	<u>STE3CF-DF</u> DIMENSIONS INCH A .62 B 1.12 C 1.00 D .43, .50	<u>STE4CF-DF</u> DIMENSIONS INCH A .62 B 1.12 C 1.00 D .43, .50, .62, .75

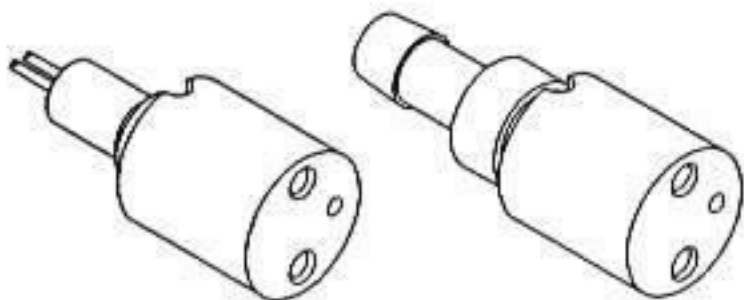


U.S.I. ST CIRCULAR, "F" CONTACT FIELD INSTALLABLE & OIL FILLED



(● INDICATE POLARIZING PIN)

 DM PLUG				
	<div>STF2CM-DM</div> <div>DIMENSIONS</div> <div>INCH</div> <div>A ø.62</div> <div>B 1.00</div> <div>C 1.56</div> <div>D .63</div> <div>L 2.73</div>	<div>STF4CM-DM</div> <div>DIMENSIONS</div> <div>INCH</div> <div>A ø1.00</div> <div>B 1.00</div> <div>C .75</div> <div>D .63</div> <div>L 2.73</div>	<div>STF6CM-DM</div> <div>DIMENSIONS</div> <div>INCH</div> <div>A ø1.00</div> <div>B 1.00</div> <div>C .75</div> <div>D .63</div> <div>L 2.73</div>	<div>STF8CM-DM</div> <div>DIMENSIONS</div> <div>INCH</div> <div>A ø1.25</div> <div>B 1.00</div> <div>C .75</div> <div>D .65</div> <div>L 2.73</div>
 DF PLUG				
	<div>STF2CM-DF</div> <div>DIMENSIONS</div> <div>INCH</div> <div>A ø.62</div> <div>B 1.00</div> <div>C .62</div> <div>D 1.00</div> <div>E .43</div>	<div>STF4CM-DF</div> <div>DIMENSIONS</div> <div>INCH</div> <div>A ø1.00</div> <div>B 1.00</div> <div>C 1.12</div> <div>D 1.00</div> <div>E .43, .50</div>	<div>STF6CM-DF</div> <div>DIMENSIONS</div> <div>INCH</div> <div>A ø1.00</div> <div>B 1.00</div> <div>C 1.12</div> <div>D 1.00</div> <div>E .43, .50</div>	<div>STF8CM-DF</div> <div>DIMENSIONS</div> <div>INCH</div> <div>A ø1.25</div> <div>B 1.00</div> <div>C 1.12</div> <div>D 1.00</div> <div>E .43, .50, .62, .75</div>



(● INDICATE POLARIZING HOLE)

 DM RECEPTACLE				
	<div>STF2CF-DM</div> <div>DIMENSIONS</div> <div>INCH</div> <div>A ø.62</div> <div>B 1.56</div> <div>C .63</div> <div>L 2.73</div>	<div>STF4CF-DM</div> <div>DIMENSIONS</div> <div>INCH</div> <div>A ø1.00</div> <div>B 1.12</div> <div>C .63</div> <div>L 2.73</div>	<div>STF6CF-DM</div> <div>DIMENSIONS</div> <div>INCH</div> <div>A ø1.00</div> <div>B 1.12</div> <div>C .63</div> <div>L 2.73</div>	<div>STF8CF-DM</div> <div>DIMENSIONS</div> <div>INCH</div> <div>A ø1.25</div> <div>B 1.12</div> <div>C .65</div> <div>L 2.73</div>
 DF RECEPTACLE				
	<div>STF2CF-DF</div> <div>DIMENSIONS</div> <div>INCH</div> <div>A ø.62</div> <div>B 1.50</div> <div>C 1.00</div> <div>D .43</div>	<div>STF4CF-DF</div> <div>DIMENSIONS</div> <div>INCH</div> <div>A ø1.00</div> <div>B 1.12</div> <div>C 1.00</div> <div>D .43, .50</div>	<div>STF6CF-DF</div> <div>DIMENSIONS</div> <div>INCH</div> <div>A ø1.00</div> <div>B 1.12</div> <div>C 1.00</div> <div>D .43, .50</div>	<div>STF8CF-DF</div> <div>DIMENSIONS</div> <div>INCH</div> <div>A ø1.25</div> <div>B 1.12</div> <div>C 1.00</div> <div>D .43, .50, .62, .75</div>

UXSL Series

PRODUCTS FEATURE:

Many of the products in this catalog are capable of being mated in under water with electrical power de-energized. Precision interference fit between contacts and neoprene-neoprene interface ensures waterproof integrity when correctly installed and maintained. Bulkhead connectors are molded directly to the face of all threaded fittings to provide maximum strength.

PRESSURE RATINGS:

All In-Line Connectors and Bulkhead Connectors are rated for 10,000 P.S.I.




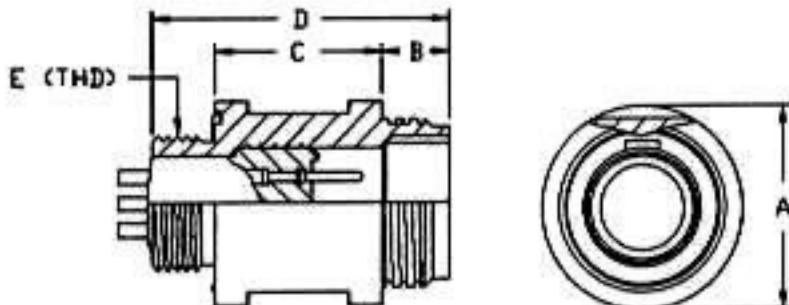
[uxsl bcr bcp - Page \[1\] of \[1\] -](#)

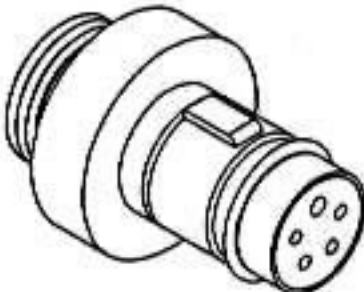


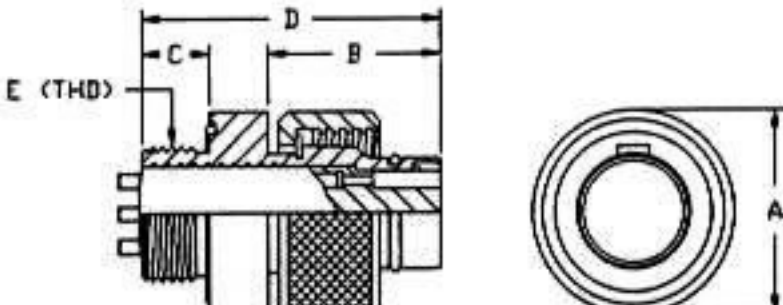
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Tel: +1-714-899-0171 **Fax:** +1-714-899-0177
E Mail: info@underwatersystems.com



U.S.I. UXSL-BCR/BCP

	#1- 14 AWG #2- 16 AWG #3- 16 AWG #4- 16 AWG #5- 16 AWG			#1- 16 AWG #2- 16 AWG #3- 16 AWG #4- 16 AWG #5- 16 AWG			#6- 16 AWG #7- 16 AWG #8- 16 AWG #9- 16 AWG #10-16 AWG		
									
 <u>RECEPTACLE</u>	<u>UXSL-BCR-5</u> DIMENSIONS INCH A ø1.50 B .50 C 1.25 D 2.22 E 1-14UNS "O"-RING 2-025			<u>UXSL-BCR-10</u> DIMENSIONS INCH A ø1.50 B .50 C 1.25 D 2.22 E 1-14UNS "O"-RING 2-025					

	#1- 14 AWG #2- 16 AWG #3- 16 AWG #4- 16 AWG #5- 16 AWG			#1- 16 AWG #2- 16 AWG #3- 16 AWG #4- 16 AWG #5- 16 AWG			#6- 16 AWG #7- 16 AWG #8- 16 AWG #9- 16 AWG #10-16 AWG		
									
 COUPLING NUT <u>PLUG</u>	<u>UXSL-BCP-5</u> DIMENSIONS INCH A ø1.50 B 1.28 C .50 D 2.22 E 1-14UNS "O"-RING 2-017 "O"-RING 2-025			<u>UXSL-BCP-10</u> DIMENSIONS INCH A ø1.50 B 1.28 C .50 D 2.22 E 1-14UNS "O"-RING 2-017 "O"-RING 2-025					

SUBSEA Underwater Connector Series

PRODUCTS FEATURE:

This series is widely used in numerous underwater offshore and hazardous environmental applications. This very rugged series is available in circular, and rectangular low-profile body configurations. 1,2,3,4,5,6,8,10,and 12 contact versions are provided with in-line, bulkhead, and dummy connector models. Neoprene rubber molded body with heavy duty gold plated contacts rated for 20 amps at 220 vac.

PRESSURE RATINGS:

Many of the configurations are rated at 20,000 PSI and are wet mateable.

[Subsea circular connectors- Page \[1\] of \[8\]](#)

[Subsea circular- Page \[2\] of \[8\]](#)

[Subsea circular with flange- Page \[3\] of \[8\]](#)

[Subsea circular with flange- Page \[4\] of \[8\]](#)

[Subsea square- Page \[5\] of \[8\]](#)

[Subsea circular split- Page \[6\] of \[8\]](#)

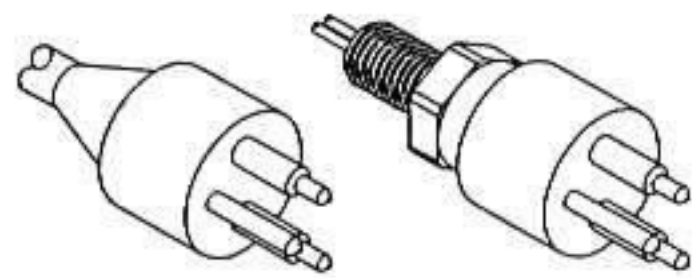
[Subsea circular field installable and oil filled connectors - Page \[7\] of \[8\]](#)

[Subsea circular field installable and oil filled connectors - Page \[8\] of \[8\]](#)

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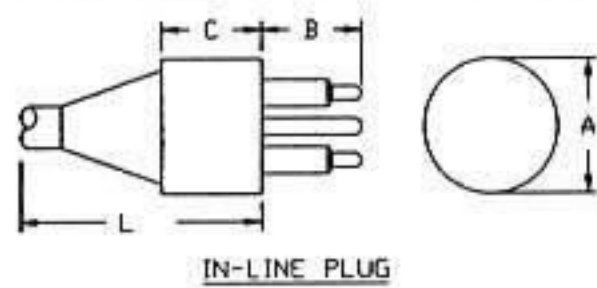


U.S.I. SUBSEA® CIRCULAR

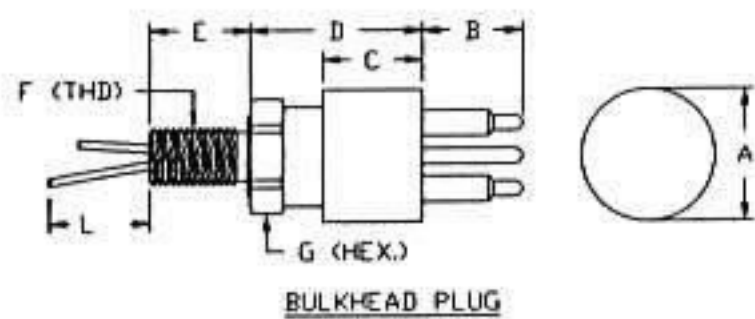


◐ INDICATE POLARIZING PIN

<div>SB2CM-1 (IL-2-MP) DIMENSIONS INCH</div> <div>A ø1.00 B .75 C .75 L 24.00</div>	<div>SB3CM-1 (IL-3-MP) DIMENSIONS INCH</div> <div>A ø1.00 B .75 C .75 L 24.00</div>	<div>SB4CM-1 (IL-4-MP) DIMENSIONS INCH</div> <div>A ø1.00 B .75 C .75 L 24.00</div>	<div>SB6CM-1 (IL-6-MP) DIMENSIONS INCH</div> <div>A ø1.25 B .75 C .75 L 24.00</div>
<div>SB2CM-BH (BH-2-MP) DIMENSIONS INCH</div> <div>A ø1.00 B .75 C .75 D 1.29 E .75 F 7/16-20UNF G .75 L 18.00 *O*-RING 2-014</div>	<div>SB3CM-BH (BH-3-MP) DIMENSIONS INCH</div> <div>A ø1.00 B .75 C .75 D 1.29 E .75 F 7/16-20UNF G .75 L 18.00 *O*-RING 2-014</div>	<div>SB4CM-BH (BH-4-MP) DIMENSIONS INCH</div> <div>A ø1.00 B .75 C .75 D 1.29 E .75 F 7/16-20UNF G .75 L 18.00 *O*-RING 2-014</div>	<div>SB6CM-BH (BH-6-MP) DIMENSIONS INCH</div> <div>A ø1.25 B .75 C .75 D 1.25 E .75 F 5/8-18UNF G 1.12 L 18.00 *O*-RING 2-017</div>

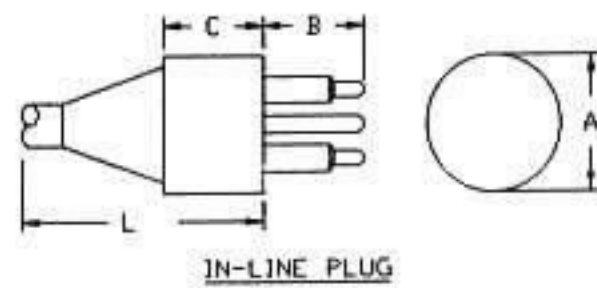


IN-LINE PLUG

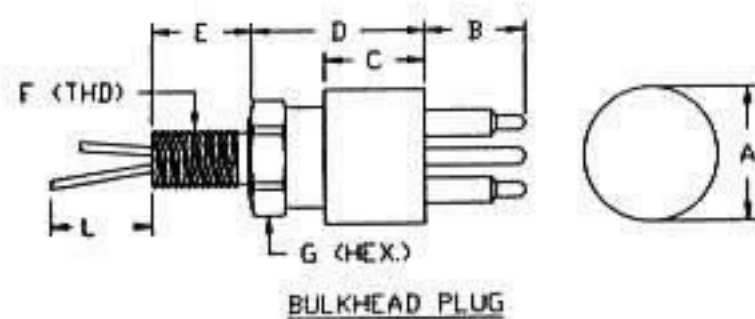


BULKHEAD PLUG

<div>SB8CM-1 (IL-8-MP) DIMENSIONS INCH</div> <div>A ø1.25 B .75 C .75 L 24.00</div>	<div>SB10CM-1 (IL-10-MP) DIMENSIONS INCH</div> <div>A ø1.25 B .75 C .75 L 24.00</div>	<div>SB12CM-1 (IL-12-MP) DIMENSIONS INCH</div> <div>A ø1.60 B .75 C .75 L 24.00</div>	<div>SB16CM-1 (IL-16-MP) DIMENSIONS INCH</div> <div>A ø1.60 B .75 C .83 L 24.00</div>
<div>SB8CM-BH (BH-8-MP) DIMENSIONS INCH</div> <div>A ø1.25 B .75 C .75 D 1.25 E .75 F 5/8-18UNF G 1.12 L 18.00 *O*-RING 2-017</div>	<div>SB10CM-BH (BH-10-MP) DIMENSIONS INCH</div> <div>A ø1.25 B .75 C .75 D 1.25 E .75 F 5/8-18UNF G 1.12 L 18.00 *O*-RING 2-017</div>	<div>SB12CM-BH (BH-12-MP) DIMENSIONS INCH</div> <div>A ø1.60 B .75 C .75 D 1.27 E .75 F 5/8-18UNF G 1.12 L 18.00 *O*-RING 2-017</div>	<div>SB16CM-BH (BH-16-MP) DIMENSIONS INCH</div> <div>A ø1.60 B .75 C 1.13 D 1.64 E .75 F 5/8-18UNF G 1.12 L 18.00 *O*-RING 2-017</div>



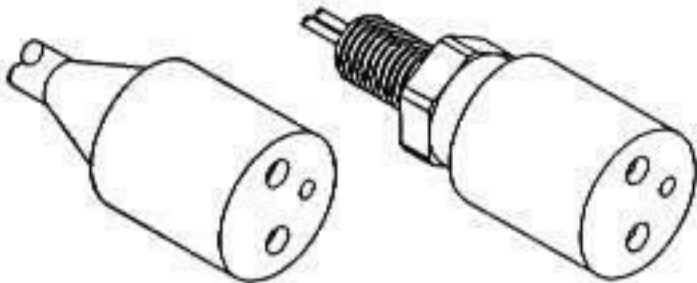
IN-LINE PLUG



BULKHEAD PLUG



U.S.I. SUBSEA® CIRCULAR



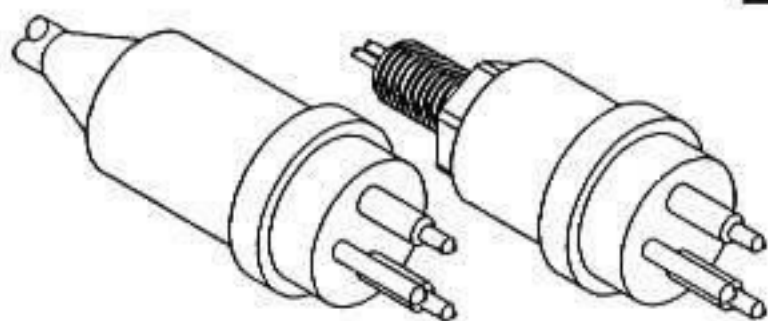
(● INDICATE POLARIZING HOLE)

 IN-LINE RECEPTACLE	<div><div>SB2CF-1</div><div>(IL-2-FS)</div><div>DIMENSIONS</div><div>INCH</div></div> <div>A ø1.00</div> <div>B 1.12</div> <div>L 24.00</div>	<div><div>SB3CF-1</div><div>(IL-3-FS)</div><div>DIMENSIONS</div><div>INCH</div></div> <div>A ø1.00</div> <div>B 1.12</div> <div>L 24.00</div>	<div><div>SB4CF-1</div><div>(IL-4-FS)</div><div>DIMENSIONS</div><div>INCH</div></div> <div>A ø1.00</div> <div>B 1.12</div> <div>L 24.00</div>	<div><div>SB6CF-1</div><div>(IL-6-FS)</div><div>DIMENSIONS</div><div>INCH</div></div> <div>A ø1.25</div> <div>B 1.12</div> <div>L 24.00</div>
 BULKHEAD RECEPTACLE	<div><div>SB2CF-BH</div><div>(BH-2-FS)</div><div>DIMENSIONS</div><div>INCH</div></div> <div>A ø1.00</div> <div>B 1.12</div> <div>C 1.67</div> <div>D .75</div> <div>E 7/16-20UNF</div> <div>F .75</div> <div>L 18.00</div> <div>*O*-RING 2-014</div>	<div><div>SB3CF-BH</div><div>(BH-3-FS)</div><div>DIMENSIONS</div><div>INCH</div></div> <div>A ø1.00</div> <div>B 1.12</div> <div>C 1.67</div> <div>D .75</div> <div>E 7/16-20UNF</div> <div>F .75</div> <div>L 18.00</div> <div>*O*-RING 2-014</div>	<div><div>SB4CF-BH</div><div>(BH-4-FS)</div><div>DIMENSIONS</div><div>INCH</div></div> <div>A ø1.00</div> <div>B 1.12</div> <div>C 1.67</div> <div>D .75</div> <div>E 7/16-20UNF</div> <div>F .75</div> <div>L 18.00</div> <div>*O*-RING 2-014</div>	<div><div>SB6CF-BH</div><div>(BH-6-FS)</div><div>DIMENSIONS</div><div>INCH</div></div> <div>A ø1.25</div> <div>B 1.12</div> <div>C 1.63</div> <div>D .75</div> <div>E 5/8-18UNF</div> <div>F 1.12</div> <div>L 18.00</div> <div>*O*-RING 2-017</div>

 IN-LINE RECEPTACLE	<div><div>SB8CF-1</div><div>(IL-8-FS)</div><div>DIMENSIONS</div><div>INCH</div></div> <div>A ø1.25</div> <div>B 1.12</div> <div>L 24.00</div>	<div><div>SB10CF-1</div><div>(IL-10-FS)</div><div>DIMENSIONS</div><div>INCH</div></div> <div>A ø1.25</div> <div>B 1.12</div> <div>L 24.00</div>	<div><div>SB12CF-1</div><div>(IL-12-FS)</div><div>DIMENSIONS</div><div>INCH</div></div> <div>A ø1.60</div> <div>B 1.11</div> <div>L 24.00</div>	<div><div>SB16CF-1</div><div>(IL-16-FS)</div><div>DIMENSIONS</div><div>INCH</div></div> <div>A ø1.60</div> <div>B 1.11</div> <div>L 24.00</div>
 BULKHEAD RECEPTACLE	<div><div>SB8CF-BH</div><div>(BH-8-FS)</div><div>DIMENSIONS</div><div>INCH</div></div> <div>A ø1.25</div> <div>B 1.12</div> <div>C 1.63</div> <div>D .75</div> <div>E 5/8-18UNF</div> <div>F 1.12</div> <div>L 18.00</div> <div>*O*-RING 2-017</div>	<div><div>SB10CF-BH</div><div>(BH-10-FS)</div><div>DIMENSIONS</div><div>INCH</div></div> <div>A ø1.25</div> <div>B 1.25</div> <div>C 1.63</div> <div>D .75</div> <div>E 5/8-18UNF</div> <div>F 1.12</div> <div>L 18.00</div> <div>*O*-RING 2-017</div>	<div><div>SB12CF-BH</div><div>(BH-12-FS)</div><div>DIMENSIONS</div><div>INCH</div></div> <div>A ø1.60</div> <div>B 1.11</div> <div>C 1.62</div> <div>D .75</div> <div>E 5/8-18UNF</div> <div>F 1.12</div> <div>L 18.00</div> <div>*O*-RING 2-017</div>	<div><div>SB16CF-BH</div><div>(BH-16-FS)</div><div>DIMENSIONS</div><div>INCH</div></div> <div>A ø1.60</div> <div>B 1.38</div> <div>C 1.89</div> <div>D .75</div> <div>E 5/8-18UNF</div> <div>F 1.12</div> <div>L 18.00</div> <div>*O*-RING 2-017</div>



U.S.I. SUBSEA® CIRCULAR WITH FLANGE




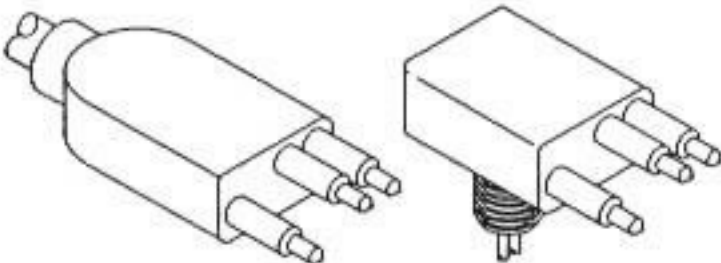
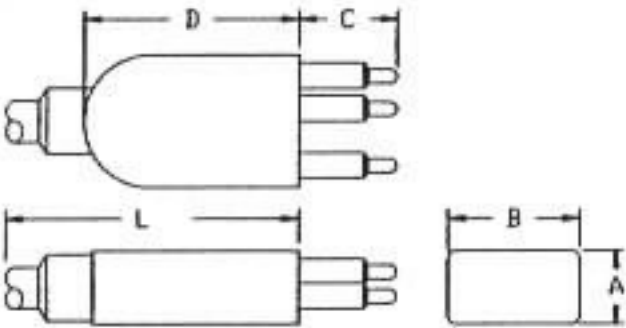
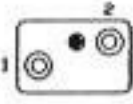
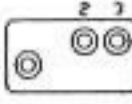
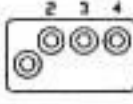
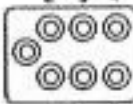

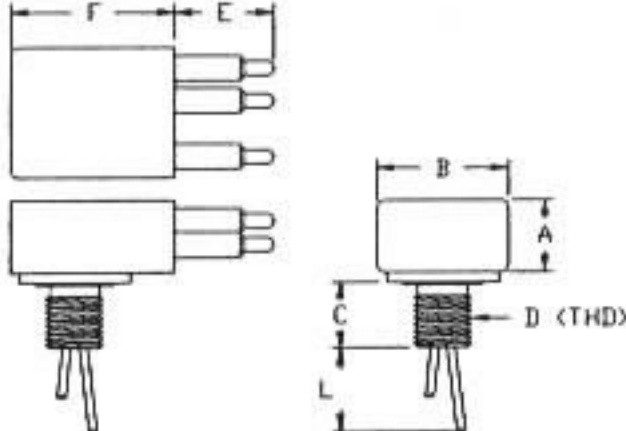
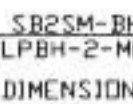
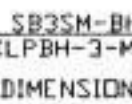
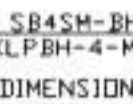
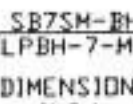
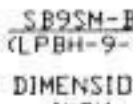
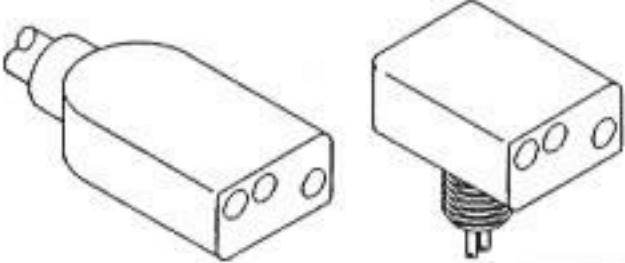
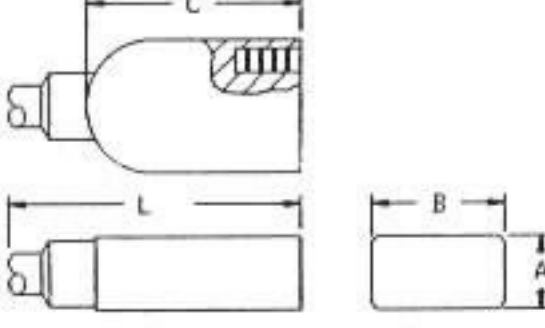

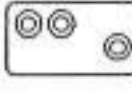



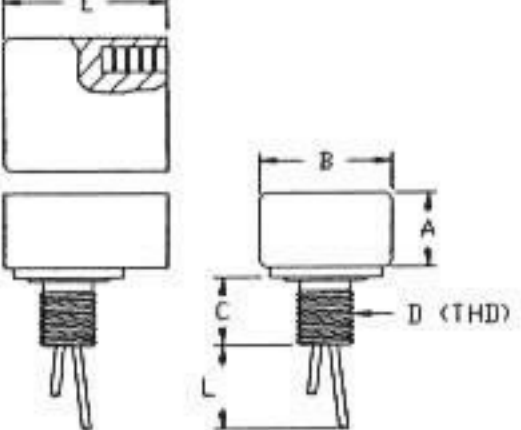
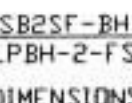
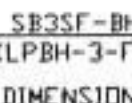
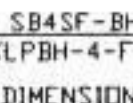
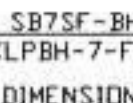
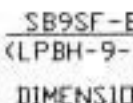
◐ INDICATE POLARIZING PIN



U.S.I. SUBSEA® CIRCULAR WITH FLANGE

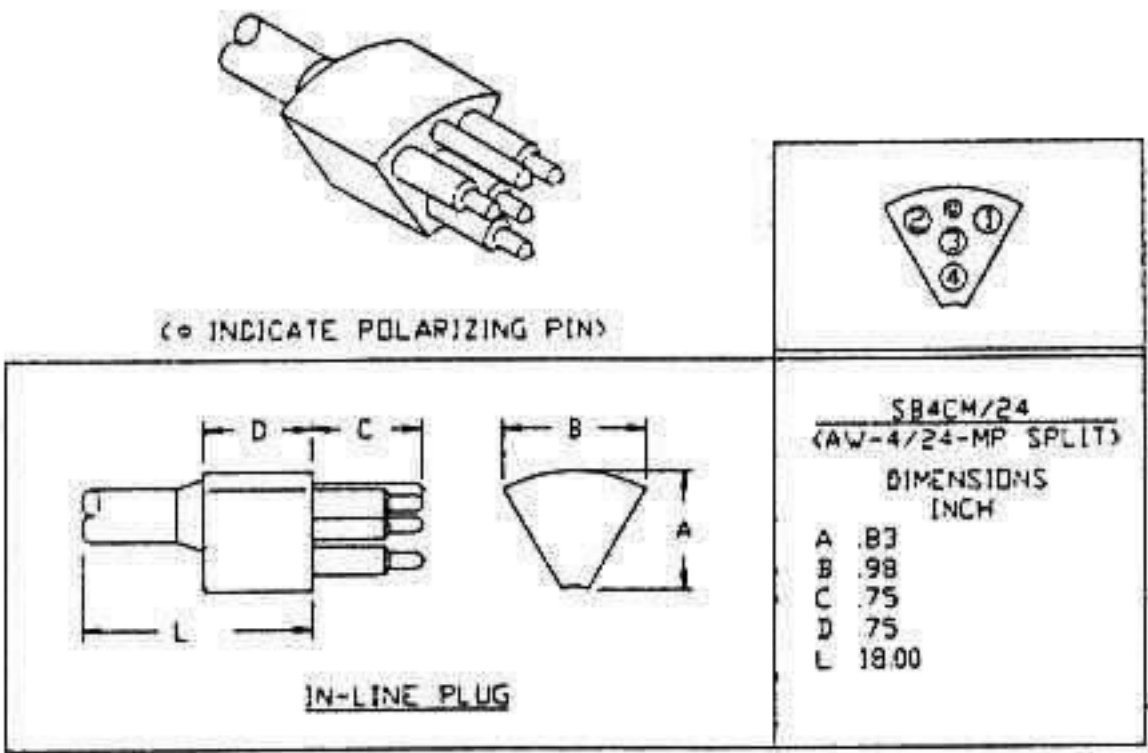
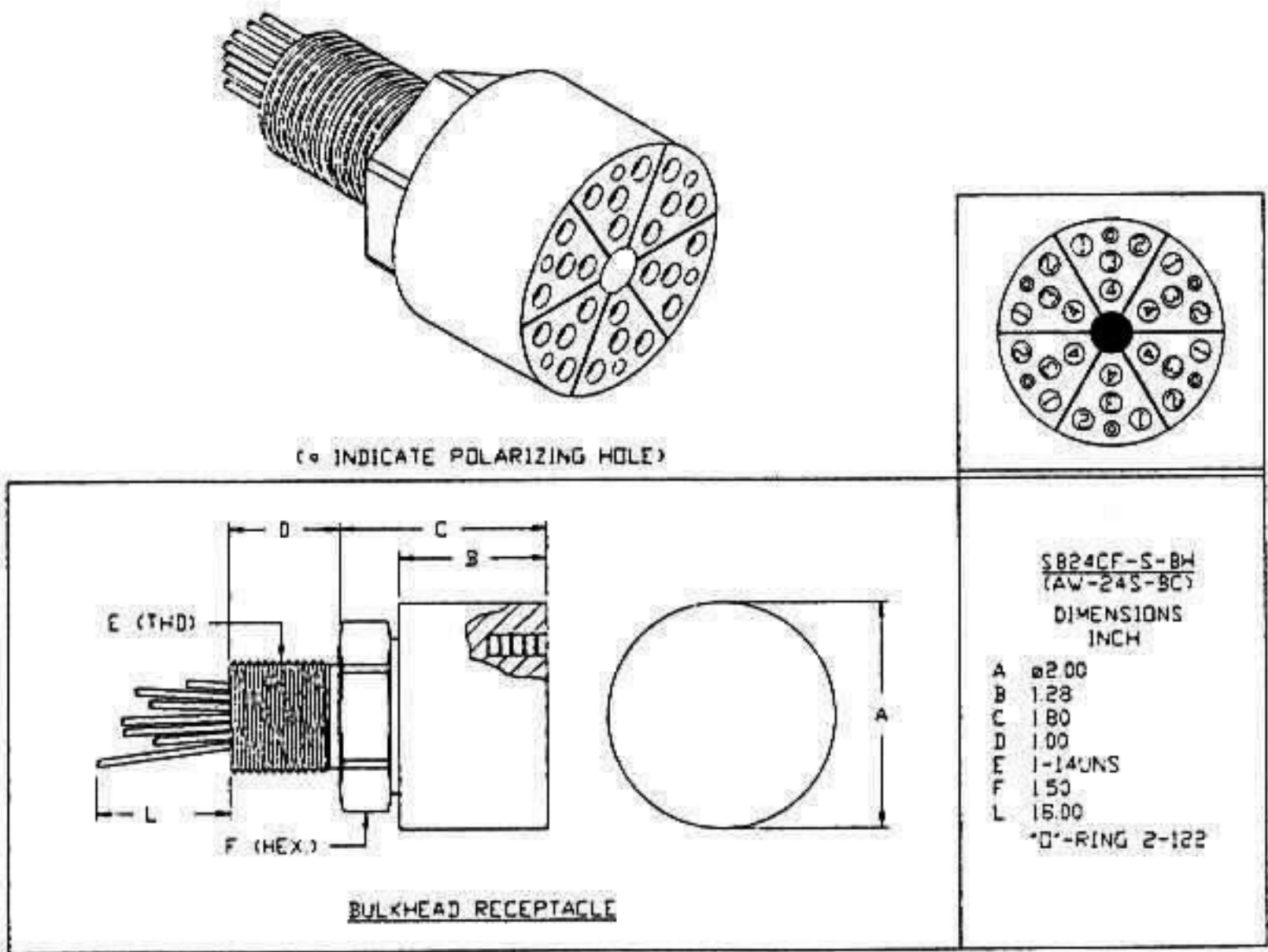
● INDICATE POLARIZING HOLE

 IN-LINE RECEPTACLE	<u>SB2CFF-1</u> DIMENSIONS INCH A ø1.00 B ø1.20 C 2.50 D .75 E .25 L 24.00	<u>SB3CFF-1</u> DIMENSIONS INCH A ø1.00 B ø1.20 C 2.50 D .75 E .25 L 24.00	<u>SB4CFF-1</u> DIMENSIONS INCH A ø1.00 B ø1.20 C 2.50 D .75 E .25 L 24.00	<u>SB6CFF-1</u> DIMENSIONS INCH A ø1.25 B ø1.45 C 2.50 D .75 E .25 L 24.00
 BULKHEAD RECEPTACLE	<u>SB2CFF-BH</u> DIMENSIONS INCH A ø1.00 B ø1.20 C 2.31 D .75 E .25 F .50 G 1/2-20UNF H .87 L 18.00 *O'-RING 2-015	<u>SB3CFF-BH</u> DIMENSIONS INCH A ø1.00 B ø1.20 C 2.31 D .75 E .25 F .50 G 1/2-20UNF H .87 L 18.00 *O'-RING 2-015	<u>SB4CFF-BH</u> DIMENSIONS INCH A ø1.00 B ø1.20 C 2.31 D .75 E .25 F .50 G 1/2-20UNF H .87 L 18.00 *O'-RING 2-015	<u>SB6CFF-BH</u> DIMENSIONS INCH A ø1.25 B ø1.45 C 2.31 D .75 E .25 F .75 G 5/8-18UNF H 1.12 L 18.00 *O'-RING 2-017
 IN-LINE RECEPTACLE	<u>SB8CFF-1</u> DIMENSIONS INCH A ø1.25 B ø1.45 C 2.50 D .75 E .25 L 24.00	<u>SB10CFF-1</u> DIMENSIONS INCH A ø1.25 B ø1.45 C 2.50 D .75 E .25 L 24.00	<u>SB12CFF-1</u> DIMENSIONS INCH A ø1.60 B ø1.84 C 1.11 D .75 E .25 L 24.00	<u>SB16CFF-1</u> DIMENSIONS INCH A ø1.60 B ø1.84 C 1.11 D .75 E .25 L 24.00
 BULKHEAD RECEPTACLE	<u>SB8CFF-BH</u> DIMENSIONS INCH A ø1.25 B ø1.45 C 2.31 D .75 E .25 F .75 G 5/8-18UNF H 1.12 L 18.00 *O'-RING 2-017	<u>SB10CFF-BH</u> DIMENSIONS INCH A ø1.25 B ø1.45 C 2.31 D .75 E .25 F .75 G 5/8-18UNF H 1.12 L 18.00 *O'-RING 2-017	<u>SB12CFF-BH</u> DIMENSIONS INCH A ø1.60 B ø1.84 C 1.62 D .75 E .25 F .75 G 5/8-18UNF H 1.12 L 18.00 *O'-RING 2-017	<u>SB16CFF-BH</u> DIMENSIONS INCH A ø1.60 B ø1.84 C 1.89 D .75 E .25 F .75 G 5/8-18UNF H 1.12 L 18.00 *O'-RING 2-017

<div><div>U.S.I. SUBSEA[®] SQUARE</div></div>					
<div><div>● INDICATE POLARIZING PIN</div></div>					
<div><div>IN-LINE PLUG</div></div>	<div><div><div>SB2SM-1</div><div>(LPIL-2-MP)</div><div>DIMENSIONS</div><div>INCH</div></div></div>	<div><div><div>SB3SM-1</div><div>(LPIL-3-MP)</div><div>DIMENSIONS</div><div>INCH</div></div></div>	<div><div><div>SB4SM-1</div><div>(LPIL-4-MP)</div><div>DIMENSIONS</div><div>INCH</div></div></div>	<div><div><div>SB7SM-1</div><div>(LPIL-7-MP)</div><div>DIMENSIONS</div><div>INCH</div></div></div>	<div><div><div>SB9SM-1</div><div>(LPIL-9-MP)</div><div>DIMENSIONS</div><div>INCH</div></div></div>
	<div><div>A .55</div><div>B .86</div><div>C .75</div><div>D 1.63</div><div>L 24.00</div></div>	<div><div>A .55</div><div>B 1.00</div><div>C .75</div><div>D 1.63</div><div>L 24.00</div></div>	<div><div>A .55</div><div>B 1.00</div><div>C .75</div><div>D 1.63</div><div>L 24.00</div></div>	<div><div>A .73</div><div>B 1.00</div><div>C .75</div><div>D 1.72</div><div>L 24.00</div></div>	<div><div>A .84</div><div>B 1.25</div><div>C .75</div><div>D 1.74</div><div>L 24.00</div></div>
<div><div>BULKHEAD PLUG</div></div>	<div><div><div>SB2SM-BH</div><div>(LPBH-2-MP)</div><div>DIMENSIONS</div><div>INCH</div></div></div>	<div><div><div>SB3SM-BH</div><div>(LPBH-3-MP)</div><div>DIMENSIONS</div><div>INCH</div></div></div>	<div><div><div>SB4SM-BH</div><div>(LPBH-4-MP)</div><div>DIMENSIONS</div><div>INCH</div></div></div>	<div><div><div>SB7SM-BH</div><div>(LPBH-7-MP)</div><div>DIMENSIONS</div><div>INCH</div></div></div>	<div><div><div>SB9SM-BH</div><div>(LPBH-9-MP)</div><div>DIMENSIONS</div><div>INCH</div></div></div>
	<div><div>A .55</div><div>B .86</div><div>C .50, .75, 1.00</div><div>D 7/16-20UNF</div><div>E .75</div><div>F 1.25</div><div>L 12.00</div><div>*D*-RING 2-014</div></div>	<div><div>A .55</div><div>B 1.00</div><div>C .50, .75, 1.00</div><div>D 7/16-20UNF</div><div>E .75</div><div>F 1.25</div><div>L 12.00</div><div>*D*-RING 2-014</div></div>	<div><div>A .55</div><div>B 1.00</div><div>C .50, .75, 1.00</div><div>D 7/16-20UNF</div><div>E .75</div><div>F 1.25</div><div>L 12.00</div><div>*D*-RING 2-014</div></div>	<div><div>A .73</div><div>B 1.00</div><div>C 1.00</div><div>D 7/16-20UNF</div><div>E .75</div><div>F 1.25</div><div>L 12.00</div><div>*D*-RING 2-014</div></div>	<div><div>A .84</div><div>B 1.25</div><div>C 1.00</div><div>D 7/16-20UNF</div><div>E .75</div><div>F 1.25</div><div>L 12.00</div><div>*D*-RING 2-014</div></div>
<div><div>● INDICATE POLARIZING HOLE</div></div>					
<div><div>IN-LINE RECEPTACLE</div></div>	<div><div><div>SB2SF-1</div><div>(LPIL-2-FS)</div><div>DIMENSIONS</div><div>INCH</div></div></div>	<div><div><div>SB3SF-1</div><div>(LPIL-3-FS)</div><div>DIMENSIONS</div><div>INCH</div></div></div>	<div><div><div>SB4SF-1</div><div>(LPIL-4-FS)</div><div>DIMENSIONS</div><div>INCH</div></div></div>	<div><div><div>SB7SF-1</div><div>(LPIL-7-FS)</div><div>DIMENSIONS</div><div>INCH</div></div></div>	<div><div><div>SB9SF-1</div><div>(LPIL-9-FS)</div><div>DIMENSIONS</div><div>INCH</div></div></div>
	<div><div>A .55</div><div>B .86</div><div>C 1.63</div><div>L 24.00</div></div>	<div><div>A .55</div><div>B 1.00</div><div>C 1.63</div><div>L 24.00</div></div>	<div><div>A .55</div><div>B 1.00</div><div>C 1.63</div><div>L 24.00</div></div>	<div><div>A .73</div><div>B 1.00</div><div>C 2.11</div><div>L 24.00</div></div>	<div><div>A .84</div><div>B 1.25</div><div>C 1.74</div><div>L 24.00</div></div>
<div><div>BULKHEAD RECEPTACLE</div></div>	<div><div><div>SB2SF-BH</div><div>(LPBH-2-FS)</div><div>DIMENSIONS</div><div>INCH</div></div></div>	<div><div><div>SB3SF-BH</div><div>(LPBH-3-FS)</div><div>DIMENSIONS</div><div>INCH</div></div></div>	<div><div><div>SB4SF-BH</div><div>(LPBH-4-FS)</div><div>DIMENSIONS</div><div>INCH</div></div></div>	<div><div><div>SB7SF-BH</div><div>(LPBH-7-FS)</div><div>DIMENSIONS</div><div>INCH</div></div></div>	<div><div><div>SB9SF-BH</div><div>(LPBH-9-FS)</div><div>DIMENSIONS</div><div>INCH</div></div></div>
	<div><div>A .55</div><div>B .86</div><div>C .50, .75, 1.00</div><div>D 7/16-20UNF</div><div>E 1.25</div><div>L 12.00</div><div>*D*-RING 2-014</div></div>	<div><div>A .55</div><div>B 1.00</div><div>C .50, .75, 1.00</div><div>D 7/16-20UNF</div><div>E 1.25</div><div>L 12.00</div><div>*D*-RING 2-014</div></div>	<div><div>A .55</div><div>B 1.00</div><div>C .50, .75, 1.00</div><div>D 7/16-20UNF</div><div>E 1.25</div><div>L 12.00</div><div>*D*-RING 2-014</div></div>	<div><div>A .73</div><div>B 1.00</div><div>C 1.00</div><div>D 7/16-20UNF</div><div>E 1.75</div><div>L 12.00</div><div>*D*-RING 2-014</div></div>	<div><div>A .84</div><div>B 1.25</div><div>C 1.00</div><div>D 7/16-20UNF</div><div>E 1.75</div><div>L 12.00</div><div>*D*-RING 2-014</div></div>

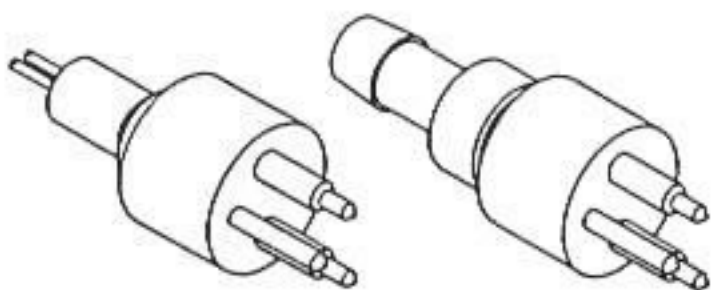


U.S.I. SUBSEATM CIRCULAR SPLIT





U.S.I. SUBSEA® CIRCULAR FIELD INSTALLABLE & OIL FILLED



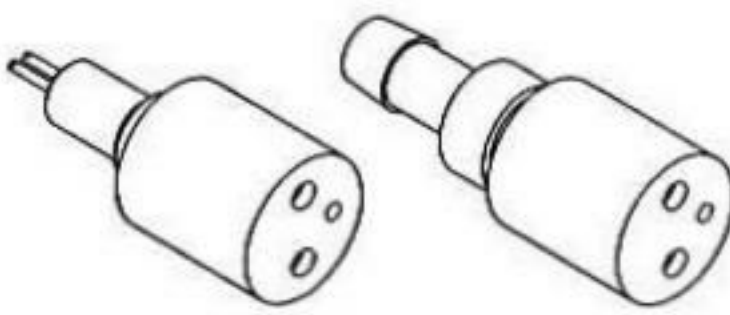
● INDICATE POLARIZING PIN

 DM PLUG	SB2CM-DM (DM2M) DIMENSIONS INCH A ø1.00 B .75 C .75 D .63 L 2.73	SB3CM-DM (DM3M) DIMENSIONS INCH A ø1.00 B .75 C .75 D .63 L 2.73	SB4CM-DM (DM4M) DIMENSIONS INCH A ø1.00 B .75 C .75 D .63 L 2.73	SB6CM-DM (DM6M) DIMENSIONS INCH A ø1.25 B .75 C .75 D .65 L 2.73
 DF PLUG	SB2CM-DF DIMENSIONS INCH A ø1.00 B .75 C .75 D 1.00 E .43, .50	SB3CM-DF DIMENSIONS INCH A ø1.00 B .75 C .75 D 1.00 E .43, .50	SB4CM-DF DIMENSIONS INCH A ø1.00 B .75 C .75 D 1.00 E .43, .50	SB6CM-DF DIMENSIONS INCH A ø1.25 B .75 C .75 D 1.00 E .43, .50, .62, .75
 DM PLUG	SB8CM-DM (DM8M) DIMENSIONS INCH A ø1.25 B .75 C .75 D .65 L 2.73	SB10CM-DM (DM10M) DIMENSIONS INCH A ø1.25 B .75 C .75 D .65 L 2.73	SB12CM-DM (DM12M) DIMENSIONS INCH A ø1.60 B .75 C .75 D .65 L 2.73	SB16CM-DM (DM16M) DIMENSIONS INCH A ø1.60 B .75 C .83 D .65 L 2.73
 DF PLUG	SB8CM-DF DIMENSIONS INCH A ø1.25 B .75 C .75 D 1.00 E .43, .50, .62, .75	SB10CM-DF DIMENSIONS INCH A ø1.25 B .75 C .75 D 1.00 E .43, .50, .62, .75	SB12CM-DF DIMENSIONS INCH A ø1.60 B .75 C .75 D 1.00 E .43, .50, .62, .75	SB16CM-DF DIMENSIONS INCH A ø1.60 B .75 C .83 D 1.00 E .43, .50, .62, .75


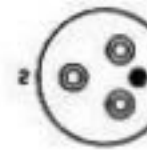
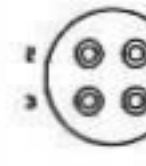

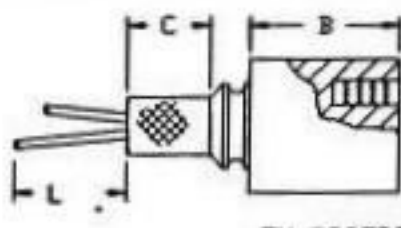


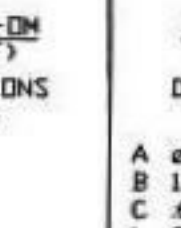
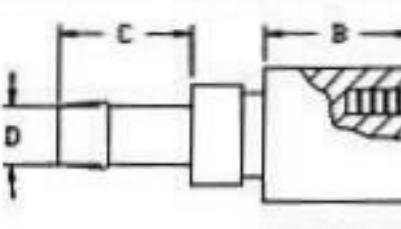

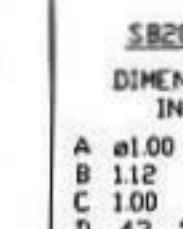
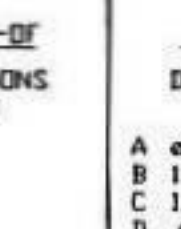




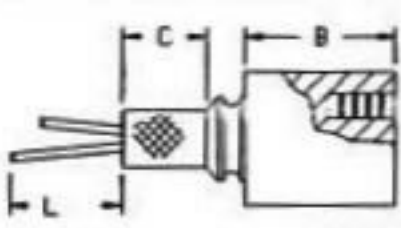

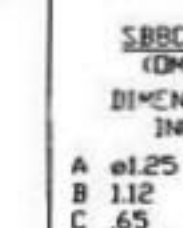
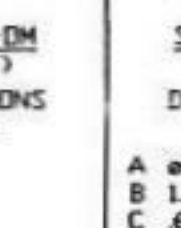
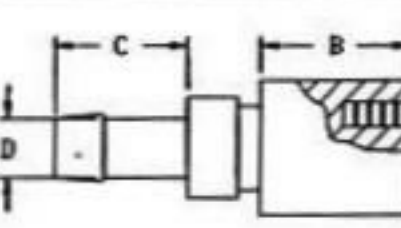

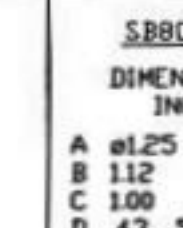
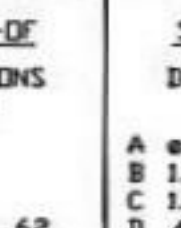


U.S.I. SUBSEA® CIRCULAR

FIELD INSTALLABLE & OIL FILLED



(● INDICATE POLARIZING HOLE)

			
 DM RECEPTACLE	 DM RECEPTACLE	 DM RECEPTACLE	 DM RECEPTACLE
 DF RECEPTACLE	 DF RECEPTACLE	 DF RECEPTACLE	 DF RECEPTACLE
			
 DM RECEPTACLE	 DM RECEPTACLE	 DM RECEPTACLE	 DM RECEPTACLE
 DF RECEPTACLE	 DF RECEPTACLE	 DF RECEPTACLE	 DF RECEPTACLE

Field Installable Boots Series

PRODUCTS FEATURE:

Many of the products in this catalog are capable of being mated in under water with electrical power de-energized. Precision interference fit between contacts and neoprene-neoprene interface ensures waterproof integrity when correctly installed and maintained. Bulkhead connectors are molded directly to the face of all threaded fittings to provide maximum strength.

PRESSURE RATINGS:

All In-Line Connectors and Bulkhead Connectors are rated for 10,000 P.S.I.

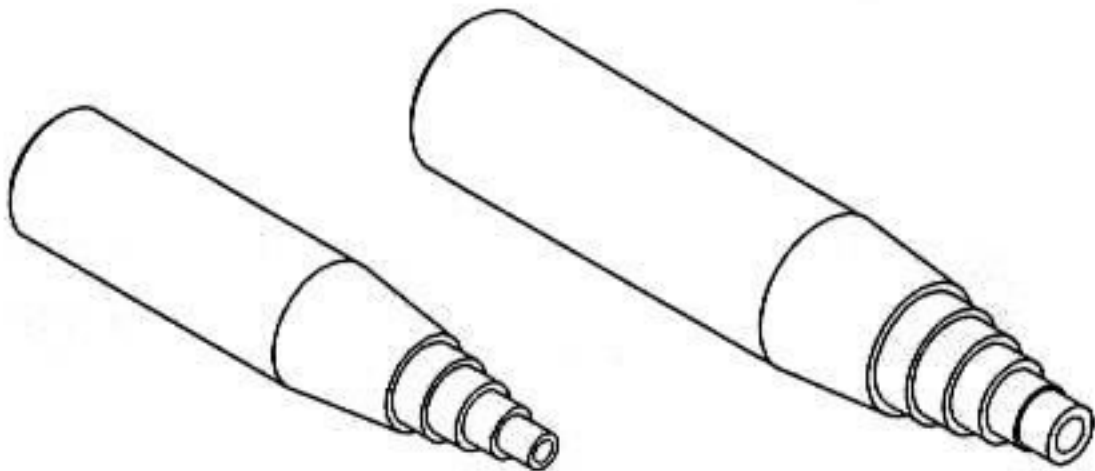
[Field Installable Boots- Page \[1\] of \[1\] -](#)

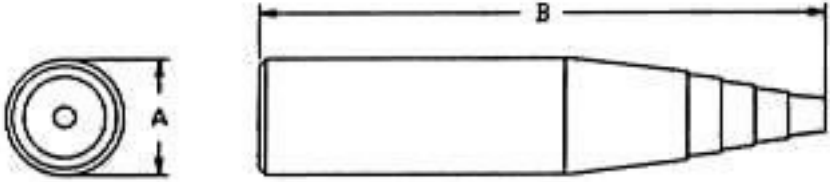
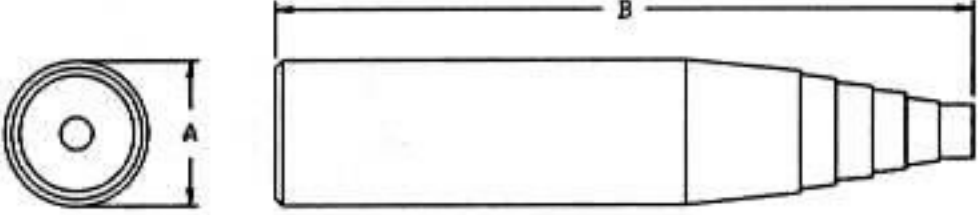
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11352 Western Ave. STANTON, CA 90680
Tel: +1-714-899-0171 **Fax:** +1-714-899-0177
E Mail: info@underwatersystems.com



U.S.I. FIELD INSTALLABLE BOOT



	<div>F180M (DMBA)</div> <div>DIMENSIONS INCH</div> <div>A ϕ.87</div> <div>B 4.22</div>
	<div>F1100M (DMBB)</div> <div>DIMENSIONS INCH</div> <div>A ϕ1.06</div> <div>B 5.20</div>

Miniature Underwater Connector Series

PRODUCTS FEATURE:

This series provides miniaturized underwater connectors that have been accepted for numerous subsea/offshore military, geophysical, and petrochemical applications. This miniature series has four (4) specific connector styles; "MC", "MF", "MO", and "MS". Each of these models have a smaller body size and mounting which provides designers with many space saving options.

Models are available in 1,2,3,4,5,6,8,10, and 12 contacts and are provided with in-line, bulkhead, and dummy versions. The body is neoprene rubber molded with the contacts rated for 7.5 & 15 amps at 220 VAC. This series is wet mateable

[Subsea miniature square- Page \[1\] of \[9\] - \[Underwater Connector Series\]](#)

[ST miniature circular MC - Page \[2\] of \[9\]](#)

[ST miniature oval MO - Page \[3\] of \[9\] -](#)

[ST miniature oval MO - Page \[4\] of \[9\] -](#)

[ST miniature square MS Universal- Page \[5\] of \[9\] -](#)

[ST miniature square MS - Page \[6\] of \[9\] -](#)

[ST miniature square MS - Page \[7\] of \[9\] -](#)

[ST miniature square MS - Page \[8\] of \[9\] -](#)

[ST miniature circular field installable - Page \[9\] of \[9\] -](#)


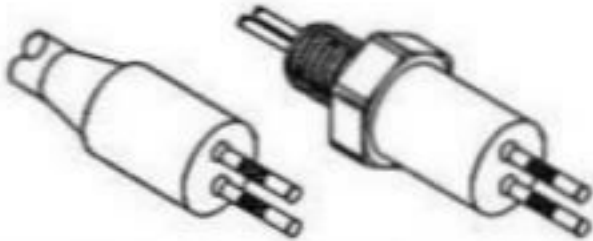






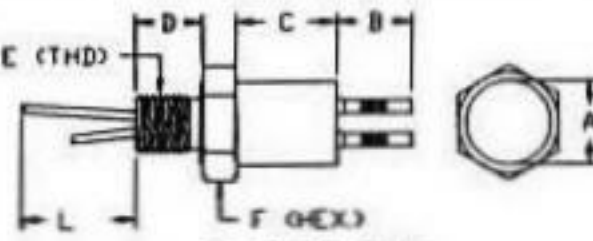
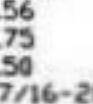
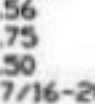
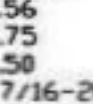
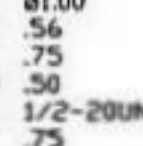
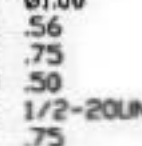
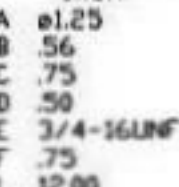
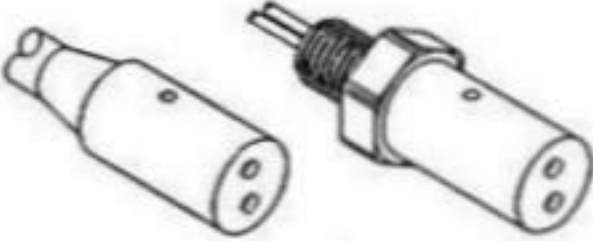






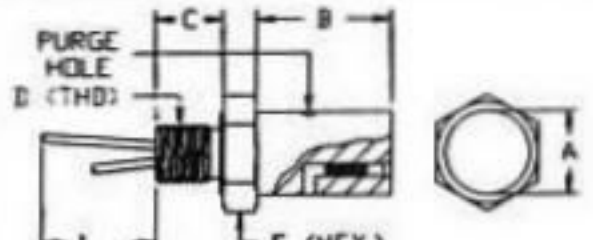
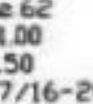
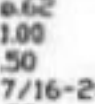
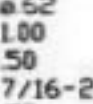
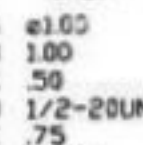
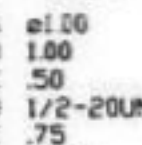
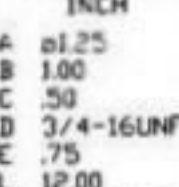
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U.S.I. SUBSEA[®] MINIATURE SQUARE

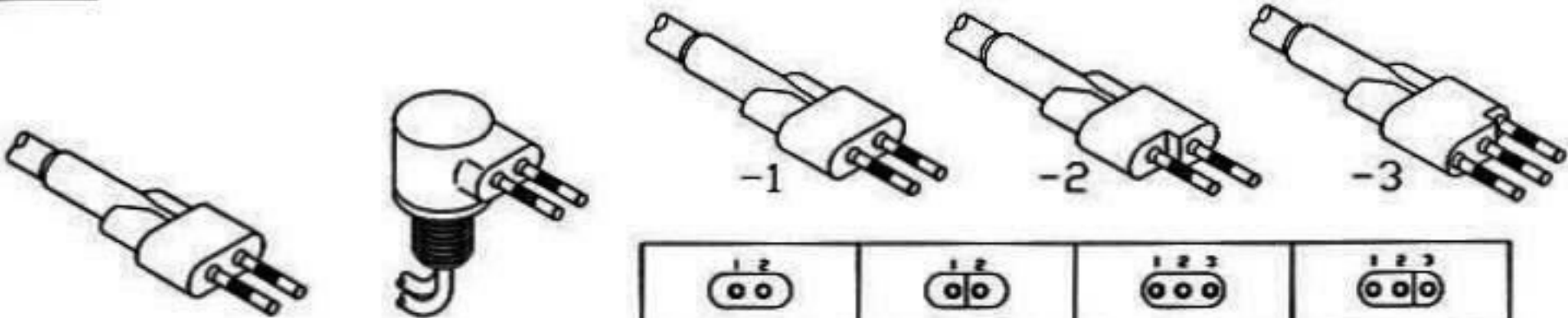
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	<div>MF3SM-BH (FAWL-3P-BC-R/A) DIMENSIONS INCH A .50 B .81 C 1.00 D 7/16-20UNF E .53 F .93 L 12.00 *D*-RING 2-014</div>	<div>MF4SM-BH (FAWL-4P-BC-R/A) DIMENSIONS INCH A .50 B .81 C 1.00 D 7/16-20UNF E .53 F .93 L 12.00 *D*-RING 2-014</div>	<div>MF5SM-BH (FAWL-5P-BC-R/A) DIMENSIONS INCH A .50 B .81 C 1.00 D 7/16-20UNF E .53 F .93 L 12.00 *D*-RING 2-014</div>

	<div>MF3SF-1 (FAWL-3S-FS) DIMENSIONS INCH A .50 B .81 C 1.00 L 24.00</div>	<div>MF4SF-1 (FAWL-4S-FS) DIMENSIONS INCH A .50 B .81 C 1.00 L 24.00</div>	<div>MF5SF-1 (FAWL-5S-FS) DIMENSIONS INCH A .50 B .81 C 1.00 L 24.00</div>
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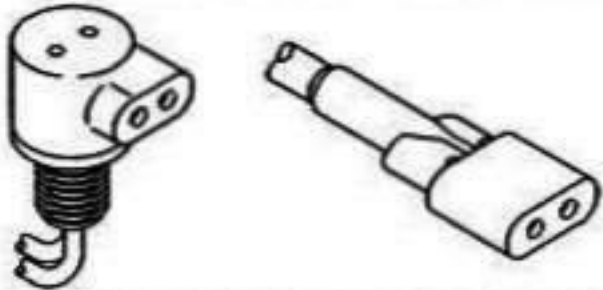
<div><h1>U.S.I. ST MINIATURE CIRCULAR - MC</h1></div>						
<div><p>IN-LINE PLUG</p></div>						
	<div><div>MC2M-1</div><div>DIMENSIONS INCH</div><div>A ø.62</div><div>B .56</div><div>C .75</div><div>L 18.00</div></div>	<div><div>MC3M-1</div><div>DIMENSIONS INCH</div><div>A ø.62</div><div>B .56</div><div>C .75</div><div>L 18.00</div></div>	<div><div>MC4M-1</div><div>DIMENSIONS INCH</div><div>A ø.62</div><div>B .56</div><div>C .75</div><div>L 18.00</div></div>	<div><div>MC6M-1</div><div>DIMENSIONS INCH</div><div>A ø1.00</div><div>B .56</div><div>C .75</div><div>L 18.00</div></div>	<div><div>MC8M-1</div><div>DIMENSIONS INCH</div><div>A ø1.00</div><div>B .56</div><div>C .75</div><div>L 18.00</div></div>	<div><div>MC12M-1</div><div>DIMENSIONS INCH</div><div>A ø1.25</div><div>B .56</div><div>C .75</div><div>L 18.00</div></div>
<div><p>BULKHEAD PLUG</p></div>						
	<div><div>MC2M-BH</div><div>DIMENSIONS INCH</div><div>A ø.62</div><div>B .56</div><div>C .75</div><div>D .50</div><div>E 7/16-20UNF</div><div>F .75</div><div>L 12.00</div><div>"O"-RING 2-014</div></div>	<div><div>MC3M-BH</div><div>DIMENSIONS INCH</div><div>A ø.62</div><div>B .56</div><div>C .75</div><div>D .50</div><div>E 7/16-20UNF</div><div>F .75</div><div>L 12.00</div><div>"O"-RING 2-014</div></div>	<div><div>MC4M-BH</div><div>DIMENSIONS INCH</div><div>A ø.62</div><div>B .56</div><div>C .75</div><div>D .50</div><div>E 7/16-20UNF</div><div>F .75</div><div>L 12.00</div><div>"O"-RING 2-014</div></div>	<div><div>MC6M-BH</div><div>DIMENSIONS INCH</div><div>A ø1.00</div><div>B .56</div><div>C .75</div><div>D .50</div><div>E 1/2-20UNF</div><div>F .75</div><div>L 12.00</div><div>"O"-RING 2-015</div></div>	<div><div>MC8M-BH</div><div>DIMENSIONS INCH</div><div>A ø1.00</div><div>B .56</div><div>C .75</div><div>D .50</div><div>E 1/2-20UNF</div><div>F .75</div><div>L 12.00</div><div>"O"-RING 2-015</div></div>	<div><div>MC12M-BH</div><div>DIMENSIONS INCH</div><div>A ø1.25</div><div>B .56</div><div>C .75</div><div>D .50</div><div>E 3/4-16UNF</div><div>F .75</div><div>L 12.00</div><div>"O"-RING 2-019</div></div>
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	<div><div>MC2F-1</div><div>DIMENSIONS INCH</div><div>A ø.62</div><div>B 1.00</div><div>L 18.00</div></div>	<div><div>MC3F-1</div><div>DIMENSIONS INCH</div><div>A ø.62</div><div>B 1.00</div><div>L 18.00</div></div>	<div><div>MC4F-1</div><div>DIMENSIONS INCH</div><div>A ø.62</div><div>B 1.00</div><div>L 18.00</div></div>	<div><div>MC6F-1</div><div>DIMENSIONS INCH</div><div>A ø1.00</div><div>B 1.00</div><div>L 18.00</div></div>	<div><div>MC8F-1</div><div>DIMENSIONS INCH</div><div>A ø1.00</div><div>B 1.00</div><div>L 18.00</div></div>	<div><div>MC12F-1</div><div>DIMENSIONS INCH</div><div>A ø1.25</div><div>B 1.00</div><div>L 18.00</div></div>
<div><p>BULKHEAD RECEPTACLE</p></div>						
	<div><div>MC2F-BH</div><div>DIMENSIONS INCH</div><div>A ø.62</div><div>B 1.00</div><div>C .50</div><div>D 7/16-20UNF</div><div>E .75</div><div>L 12.00</div><div>"O"-RING 2-014</div></div>	<div><div>MC3F-BH</div><div>DIMENSIONS INCH</div><div>A ø.62</div><div>B 1.00</div><div>C .50</div><div>D 7/16-20UNF</div><div>E .75</div><div>L 12.00</div><div>"O"-RING 2-014</div></div>	<div><div>MC4F-BH</div><div>DIMENSIONS INCH</div><div>A ø.62</div><div>B 1.00</div><div>C .50</div><div>D 7/16-20UNF</div><div>E .75</div><div>L 12.00</div><div>"O"-RING 2-014</div></div>	<div><div>MC6F-BH</div><div>DIMENSIONS INCH</div><div>A ø1.00</div><div>B 1.00</div><div>C .50</div><div>D 1/2-20UNF</div><div>E .75</div><div>L 12.00</div><div>"O"-RING 2-015</div></div>	<div><div>MC8F-BH</div><div>DIMENSIONS INCH</div><div>A ø1.00</div><div>B 1.00</div><div>C .50</div><div>D 1/2-20UNF</div><div>E .75</div><div>L 12.00</div><div>"O"-RING 2-015</div></div>	<div><div>MC12F-BH</div><div>DIMENSIONS INCH</div><div>A ø1.25</div><div>B 1.00</div><div>C .50</div><div>D 3/4-16UNF</div><div>E .75</div><div>L 12.00</div><div>"O"-RING 2-019</div></div>



U.S.I. ST MINIATURE OVAL - MO



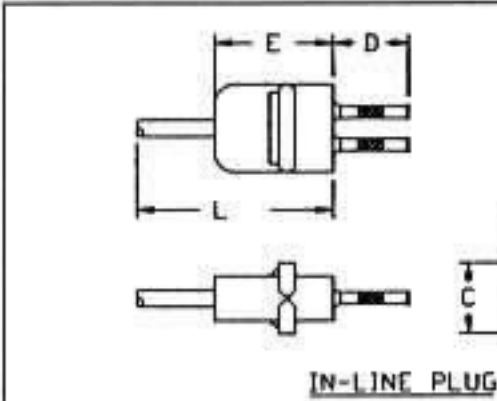
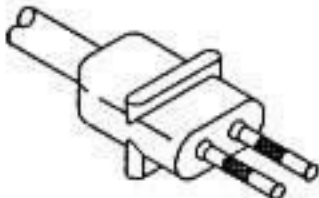
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 BULKHEAD PLUG	MO2M-1-BH DIMENSIONS INCH A .31 B .69 C ø.75 D .60 E .50, .75, 1.00 F 7/16-20UNF G .56 H .98 L 18.00 *O*-RING 2-014	MO2M-2-BH DIMENSIONS INCH A .31 B .69 C ø.75 D .60 E .50, .75, 1.00 F 7/16-20UNF G .56 H 1.11 L 18.00 *O*-RING 2-014	MO3M-1-BH DIMENSIONS INCH A .31 B .69 C ø.75 D .60 E .50, .75, 1.00 F 7/16-20UNF G .56 H .98 L 18.00 *O*-RING 2-014	MO3M-3-BH DIMENSIONS INCH A .31 B .69 C ø.75 D .60 E .50, .75, 1.00 F 7/16-20UNF G .56 H 1.11 L 18.00 *O*-RING 2-014



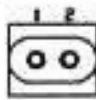
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 BULKHEAD RECEPTACLE	MO2F-1-BH DIMENSIONS INCH A .31 B .69 C ø.75 D .60 E .50, .75, 1.00 F 7/16-20UNF G .98 L 18.00 *O*-RING 2-014	MO2F-2-BH DIMENSIONS INCH A .31 B .69 C ø.75 D .60 E .50, .75, 1.00 F 7/16-20UNF G 1.11 L 18.00 *O*-RING 2-014	MO3F-1-BH DIMENSIONS INCH A .31 B .69 C ø.75 D .60 E .50, .75, 1.00 F 7/16-20UNF G .98 L 18.00 *O*-RING 2-014	MO3F-3-BH DIMENSIONS INCH A .31 B .69 C ø.75 D .60 E .50, .75, 1.00 F 7/16-20UNF G 1.11 L 18.00 *O*-RING 2-014



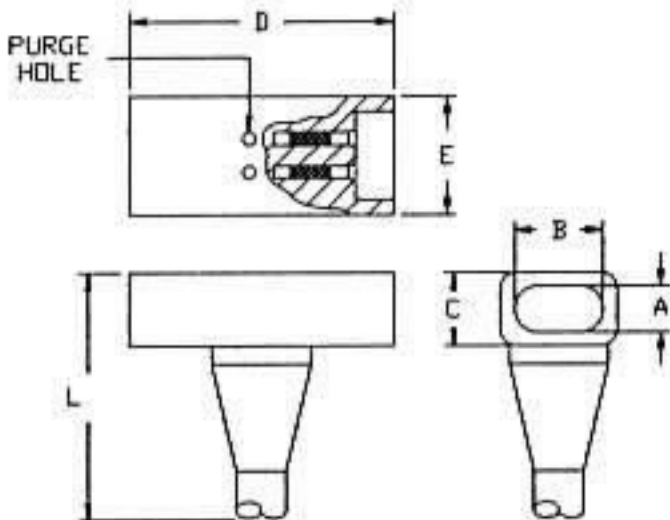
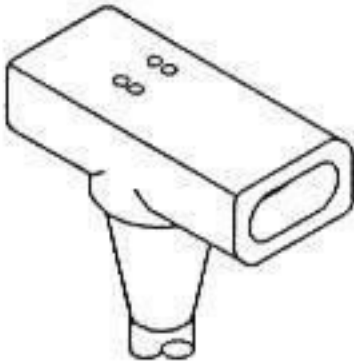
U.S.I. ST MINIATURE OVAL - MO



IN-LINE PLUG



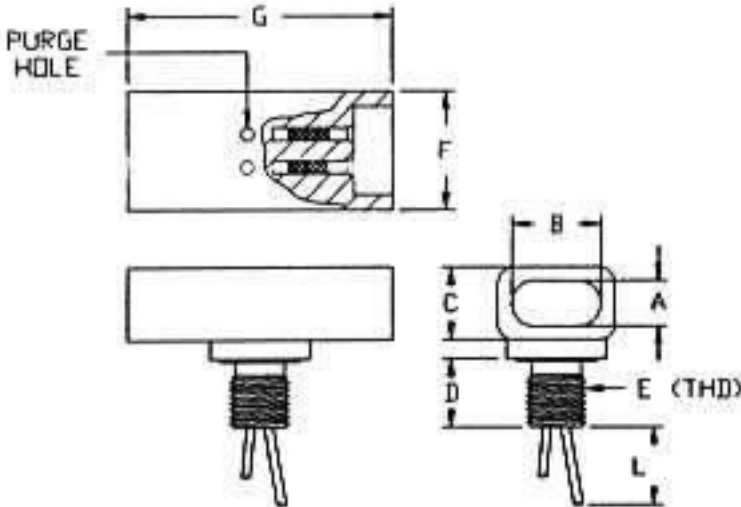
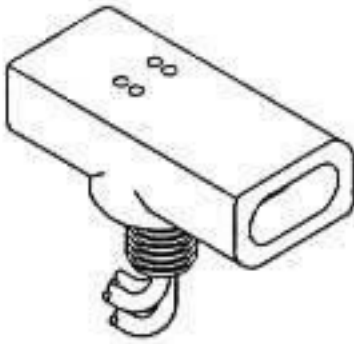
MQ2MF-1	
DIMENSIONS	
INCH	
A	.34
B	.66
C	.54
D	.56
E	.89
L	24.00



IN-LINE RECEPTACLE



MQ4F-1-RA	
DIMENSIONS	
INCH	
A	.34
B	.66
C	.54
D	1.98
E	.88
L	24.00



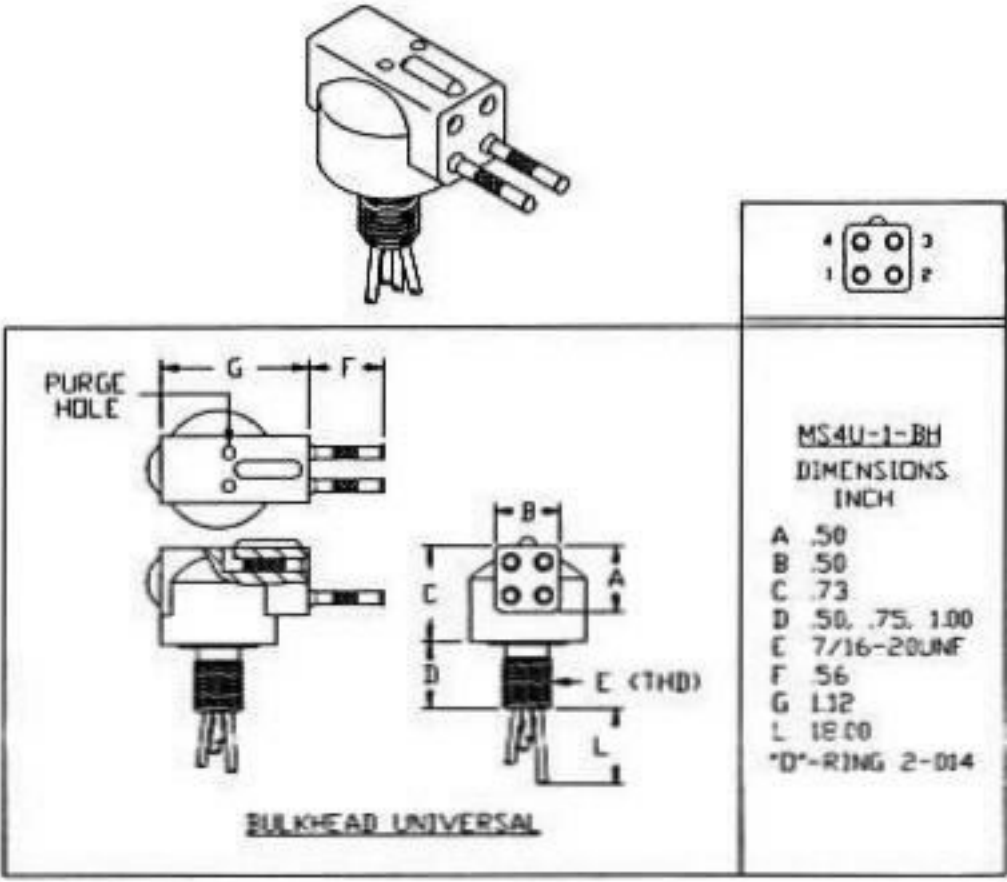
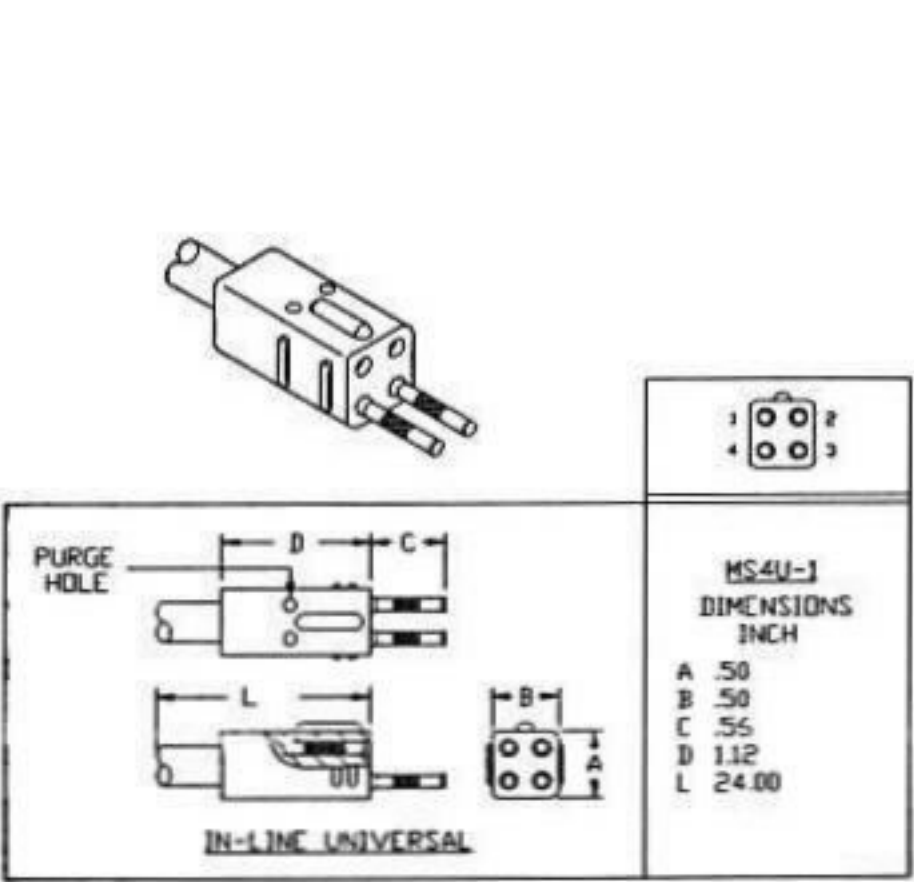
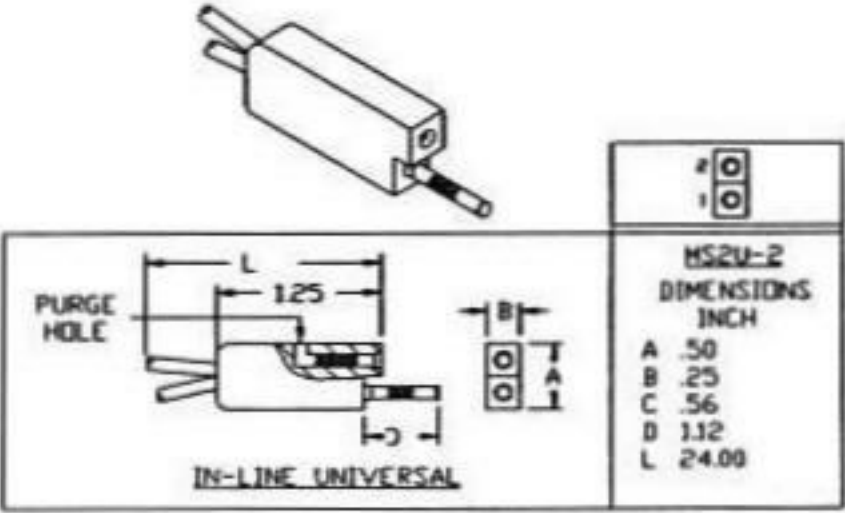
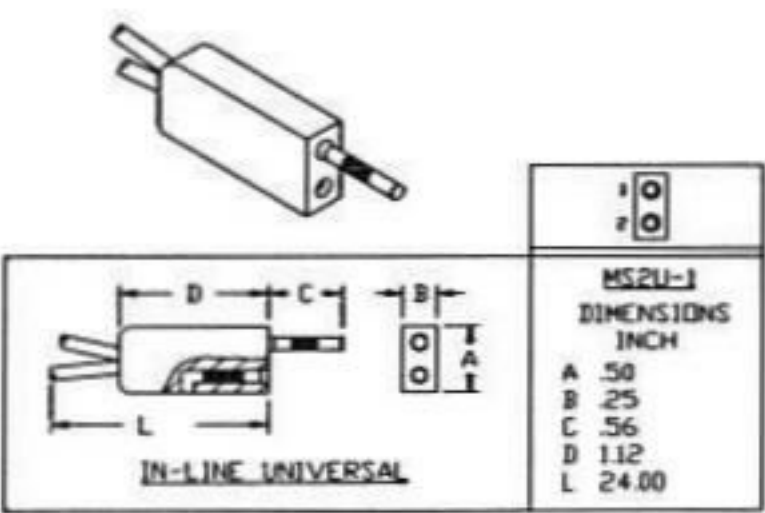
BULKHEAD RECEPTACLE

MQ4F-1-BH	
DIMENSIONS	
INCH	
A	.34
B	.66
C	.54
D	.50
E	7/16-20UNF
F	.88
G	1.98
L	18.00
D-RING 2-014	



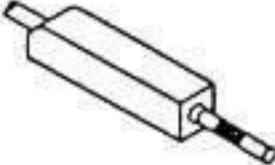
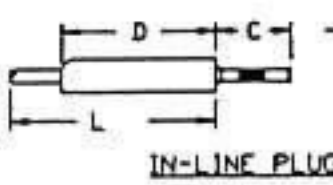

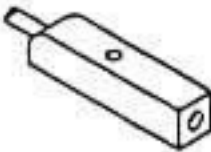
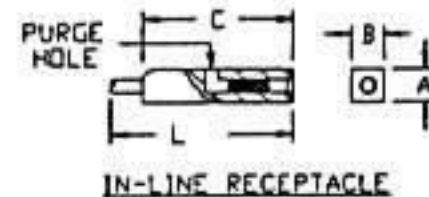

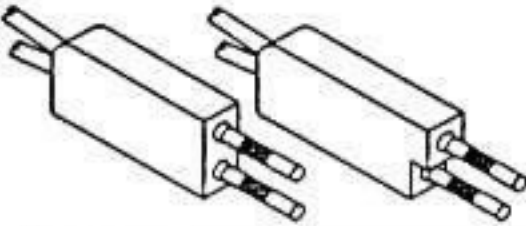
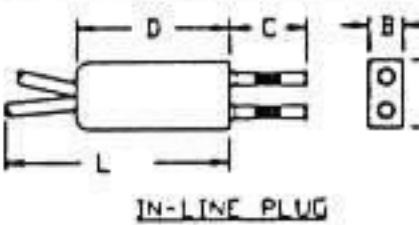

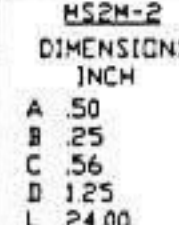
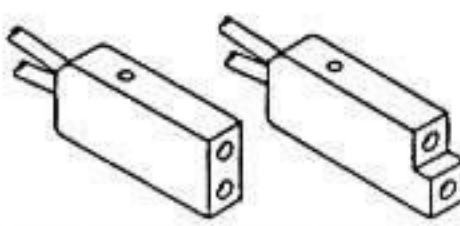
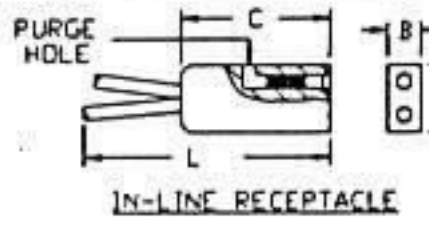

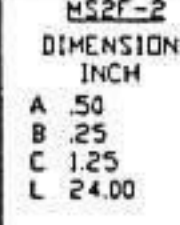
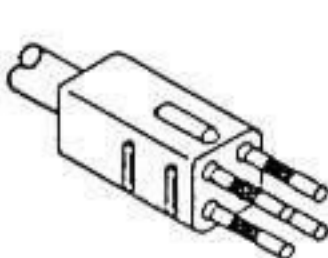
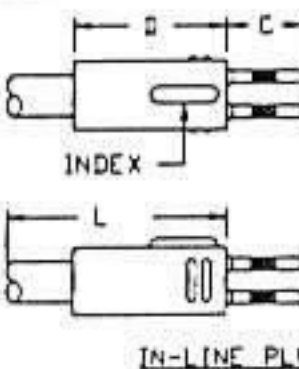

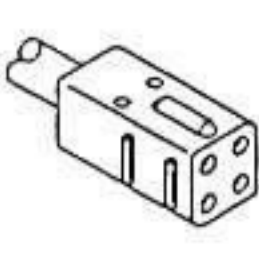
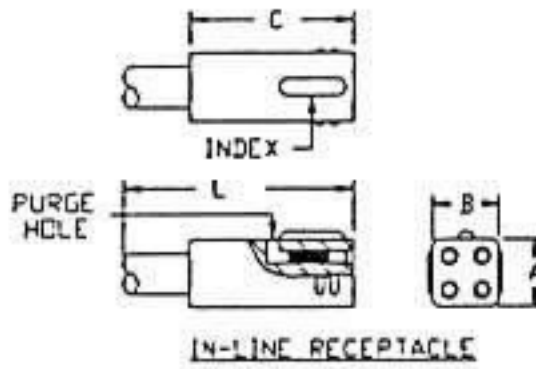

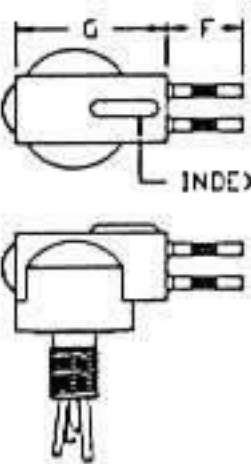
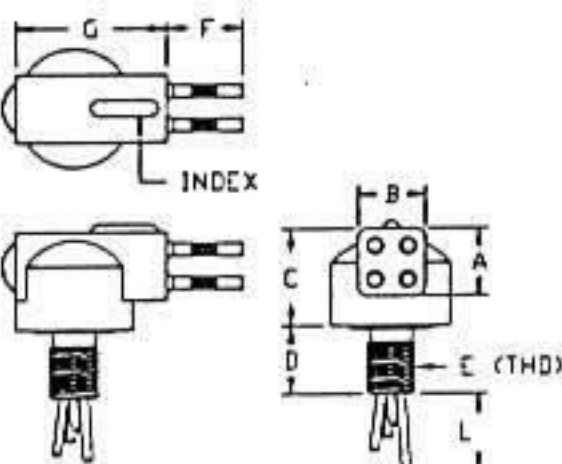

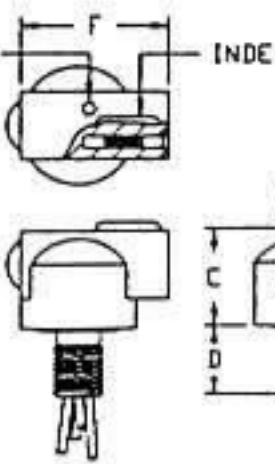
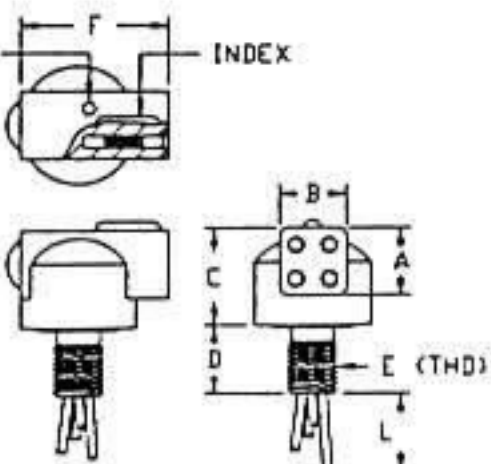

U.S.I. ST MINIATURE SQUARE - MS

UNIVERSAL



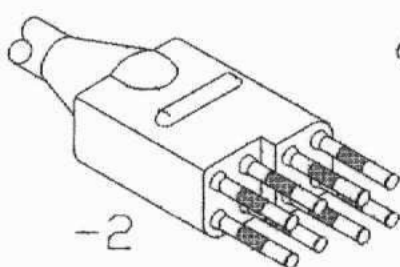
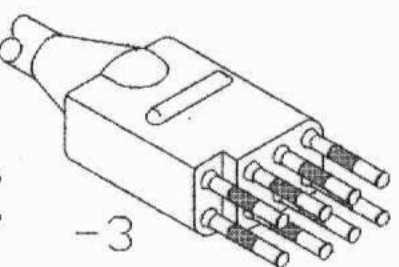
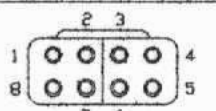
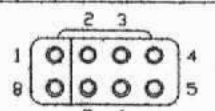
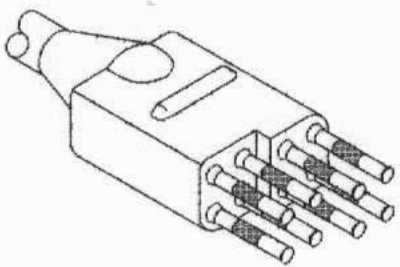
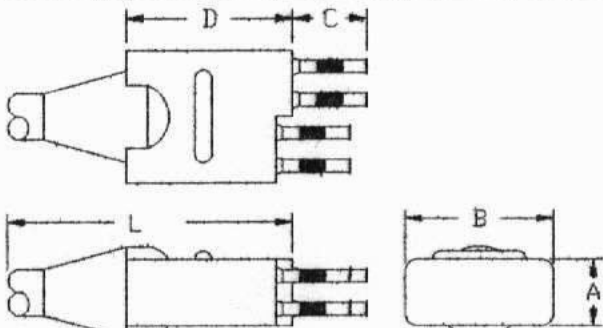
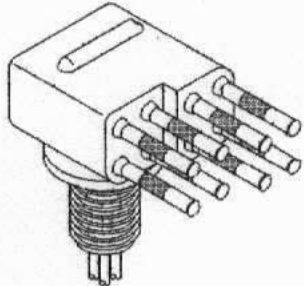
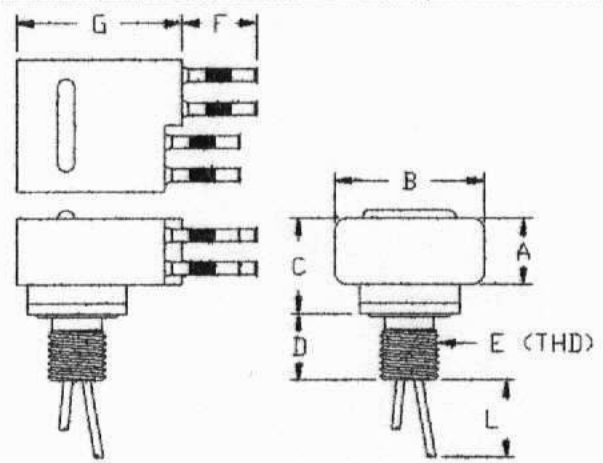
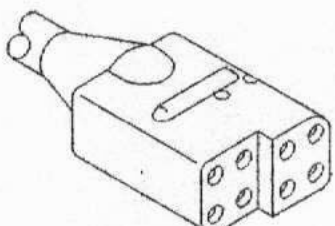
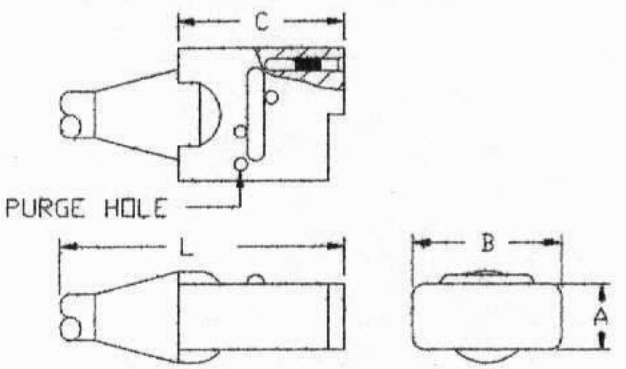
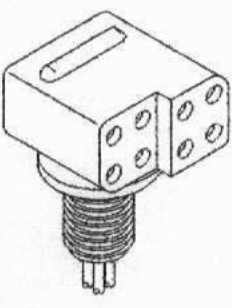
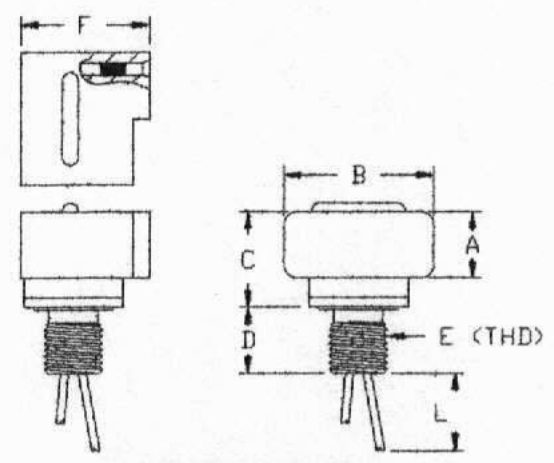


U.S.I. ST MINIATURE SQUARE - MS

  IN-LINE PLUG	 MSIM-1 DIMENSIONS INCH A .25 B .25 C .56 D 1.12 L 24.00	  IN-LINE RECEPTACLE	 MSIF-1 DIMENSIONS INCH A .25 B .25 C 1.12 L 24.00		
  IN-LINE PLUG	 MS2M-1 DIMENSIONS INCH A .50 B .25 C .56 D 1.12 L 24.00	 MS2M-2 DIMENSIONS INCH A .50 B .25 C .56 D 1.25 L 24.00	  IN-LINE RECEPTACLE	 MS2F-1 DIMENSIONS INCH A .50 B .25 C 1.12 L 24.00	 MS2F-2 DIMENSIONS INCH A .50 B .25 C 1.25 L 24.00
  IN-LINE PLUG	 MS4M-1 DIMENSIONS INCH A .50 B .50 C .56 D 1.12 L 24.00	  IN-LINE RECEPTACLE	 MS4F-1 DIMENSIONS INCH A .50 B .50 C 1.12 L 24.00		
  BULKHEAD PLUG	 MS4M-1-BH DIMENSIONS INCH A .50 B .50 C .73 D .50, .75, 1.00 E 7/16-20UNF F .56 G 1.12 L 18.00 "O"-RING 2-014	  BULKHEAD RECEPTACLE	 MS4F-1-BH DIMENSIONS INCH A .50 B .50 C .73 D .50, .75, 1.00 E 7/16-20UNF F 1.12 L 18.00 "O"-RING 2-014		

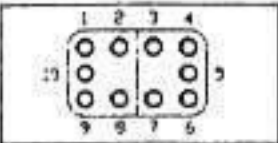
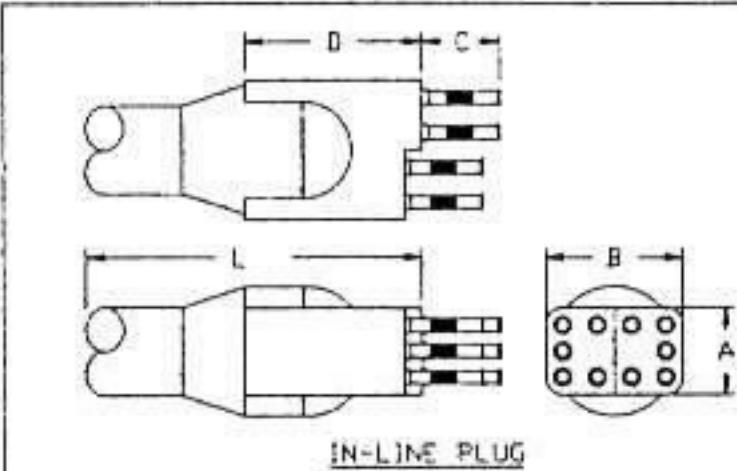
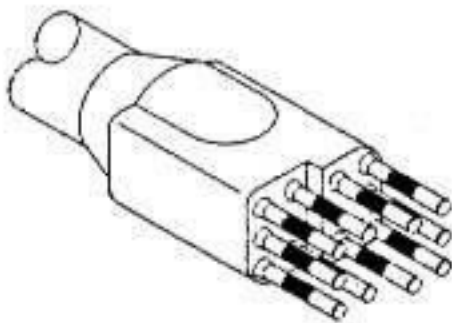


U.S.I. ST MINIATURE SQUARE - MS

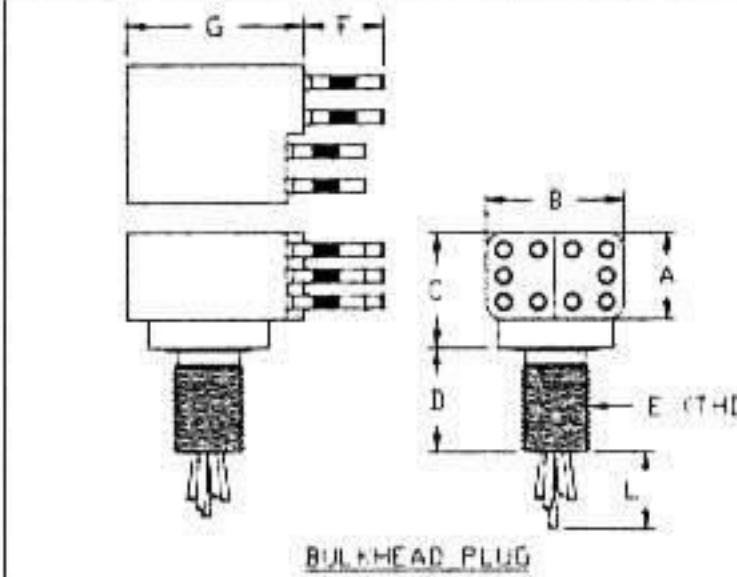
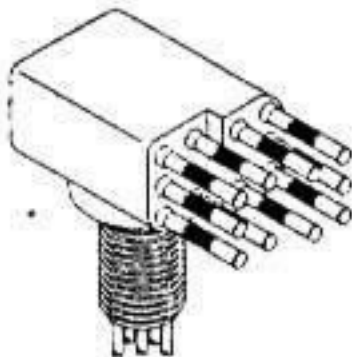
 -2	 -3		
	 IN-LINE PLUG	<div>MS8M-2 DIMENSIONS INCH</div> <div>A .50 B 1.00 C .56 D 1.16 L 24.00</div>	<div>MS8M-3 DIMENSIONS INCH</div> <div>A .50 B 1.00 C .56 D 1.16 L 24.00</div>
	 BULKHEAD PLUG	<div>MS8M-2-BH DIMENSIONS INCH</div> <div>A .50 B 1.00 C .72 D .50, .75, 1.00 E 7/16-20UNF F .56 G 1.06 L 18.00 *D*-RING 2-014</div>	<div>MS8M-3-BH DIMENSIONS INCH</div> <div>A .50 B 1.00 C .72 D .50, .75, 1.00 E 7/16-20UNF F .56 G 1.06 L 18.00 *D*-RING 2-014</div>
	 IN-LINE RECEPTACLE	<div>MS8F-2 DIMENSIONS INCH</div> <div>A .50 B 1.00 C 1.16 L 24.00</div>	<div>MS8F-3 DIMENSIONS INCH</div> <div>A .50 B 1.00 C 1.16 L 24.00</div>
	 BULKHEAD RECEPTACLE	<div>MS8F-2-BH DIMENSIONS INCH</div> <div>A .50 B 1.00 C .72 D .50, .75, 1.00 E 7/16-20UNF F 1.06 L 18.00 *D*-RING 2-014</div>	<div>MS8F-3-BH DIMENSIONS INCH</div> <div>A .50 B 1.00 C .72 D .50, .75, 1.00 E 7/16-20UNF F 1.06 L 18.00 *D*-RING 2-014</div>



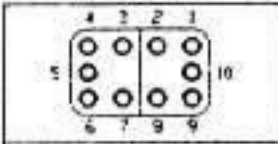
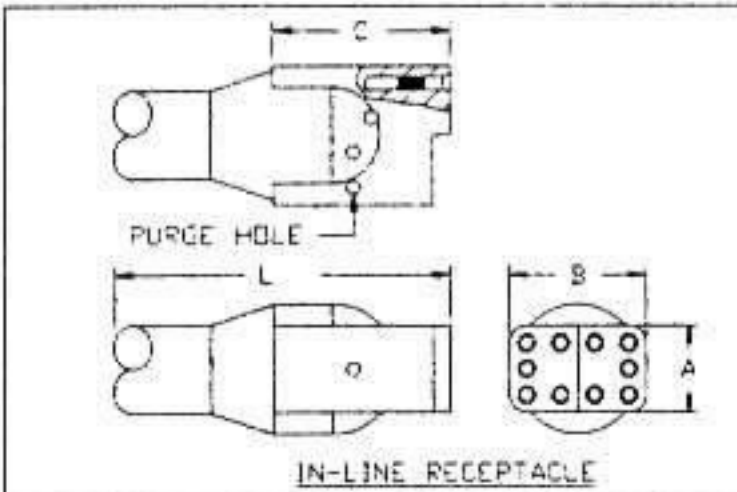
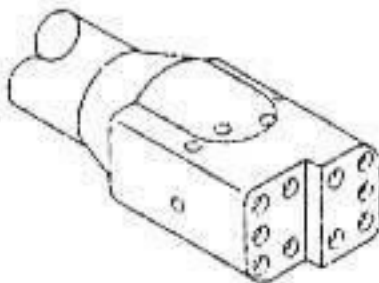
U.S.I. ST MINIATURE SQUARE - MS



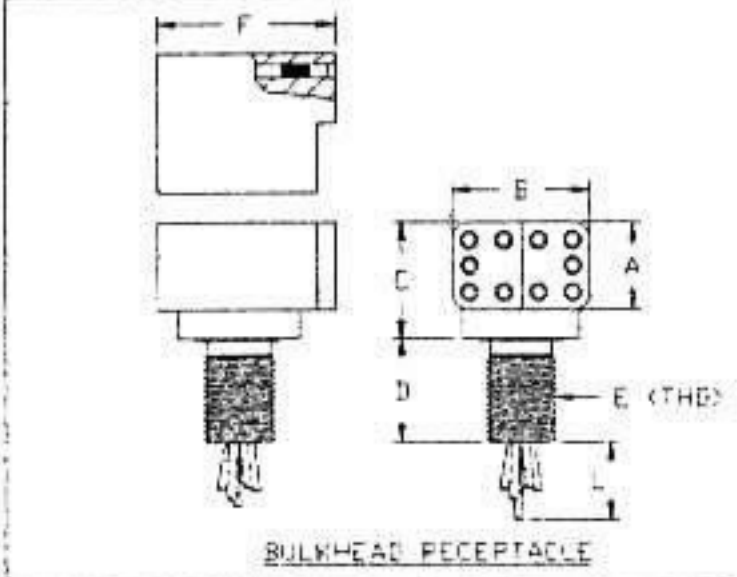
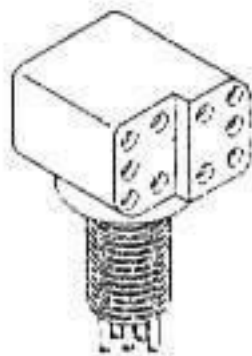
MS10M-2
DIMENSIONS
INCH
A .62
B 1.00
C .56
D 1.25
L 24.00



MS10M-2-BH
DIMENSIONS
INCH
A .62
B 1.00
C .82
D .50, .75, 1.00
E 1/2-20UNF
F .56
G 1.25
L 18.00
MOUNTING 2-014



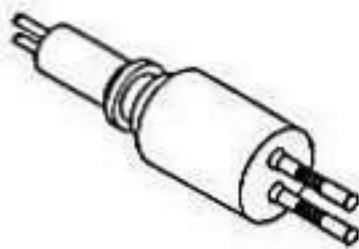
MS10F-2
DIMENSIONS
INCH
A .62
B 1.00
C 1.25
L 24.00



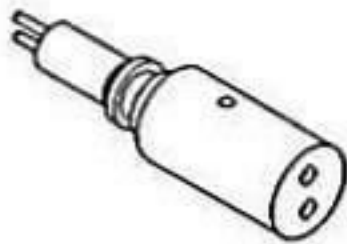
MS10F-2-BH
DIMENSIONS
INCH
A .62
B 1.00
C .82
D .50, .75, 1.00
E 1/2-20UNF
F 1.25
L 18.00
MOUNTING 2-014



U.S.I. ST MINIATURE CIRCULAR FIELD INSTALLABLE



	MC2H-DH DIMENSIONS INCH A .62 B .56 C .75 D .63 L 2.73	MC3H-DH DIMENSIONS INCH A .62 B .56 C .75 D .63 L 2.73	MC4H-DH DIMENSIONS INCH A .62 B .56 C .75 D .63 L 2.73	MC6H-DH DIMENSIONS INCH A .62 B .56 C .75 D .63 L 2.73	MC8H-DH DIMENSIONS INCH A .62 B .56 C .75 D .63 L 2.73	MC12H-DH DIMENSIONS INCH A .62 B .56 C .75 D .63 L 2.73



	MC2F-DH DIMENSIONS INCH A .62 B 1.00 C .63 L 2.73	MC3F-DH DIMENSIONS INCH A .62 B 1.00 C .63 L 2.73	MC4F-DH DIMENSIONS INCH A .62 B 1.00 C .63 L 2.73	MC6F-DH DIMENSIONS INCH A .62 B 1.00 C .63 L 2.73	MC8F-DH DIMENSIONS INCH A .62 B 1.00 C .63 L 2.73	MC12F-DH DIMENSIONS INCH A .62 B 1.00 C .63 L 2.73

Junction Boxes Neoprene Molded

PRODUCTS FEATURE:

Junction boxes are available in a variety of design configurations providing the user with a wide range of options to fit nearly every unique subsea application. Junction box housings, capable of operating at full ocean depth, can be designed for either pressure resisting or pressure balanced concepts and can incorporate a variety of wet-mateable underwater connectors.

The junction boxes are provided utilizing molded neoprene rubber, polyurethane, or 316 SST metal housing, and can be provided with oil-filled pressure balanced features. A wide range of cable, or underwater connector input/output options, also are available various mounting concepts

[junction boxes neoprene molded- Page \[1\] of \[1\] -](#)

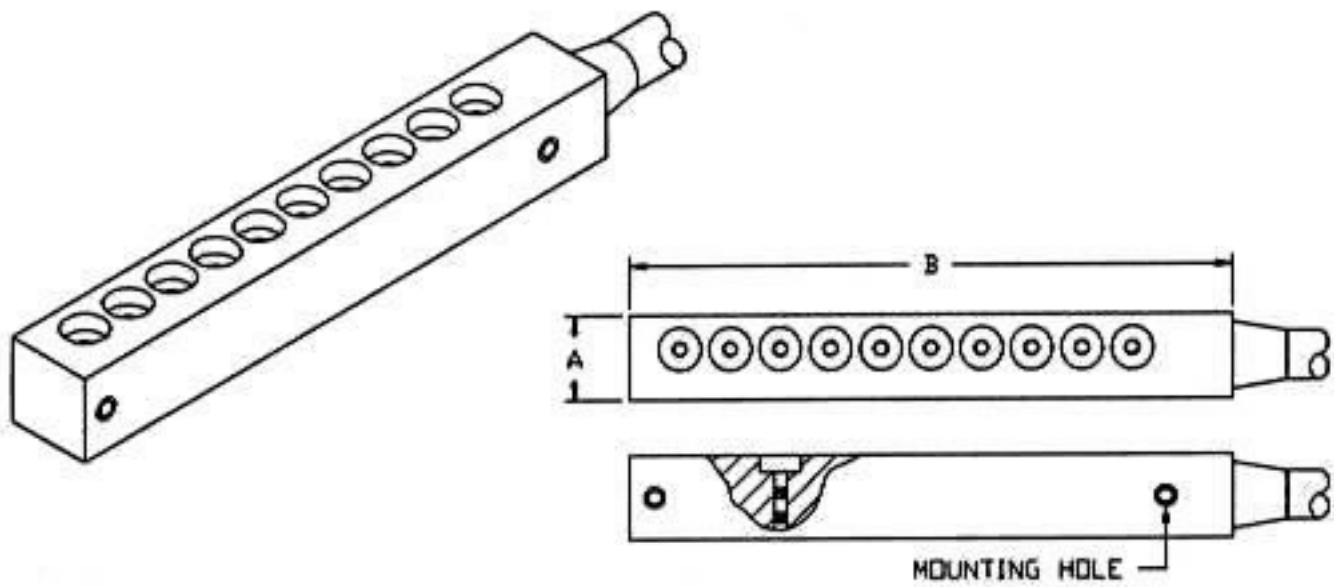
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E Mail: info@underwatersystems.com



U.S.I. JUNCTION BOXES

NEOPRENE MOLDED



* MATING CONNECTORS: STF2CM-1 & STF2CM-2

MJB-12	MJB-14	MJB-16	MJB-18	MJB-20
DIMENSIONS INCH	DIMENSIONS INCH	DIMENSIONS INCH	DIMENSIONS INCH	DIMENSIONS INCH
A 1.25 B 9.00	A 1.25 B 9.00	A 1.25 B 9.00	A 1.25 B 9.00	A 1.25 B 9.00
CONDUCTORS: 2 POLES X 6 MODULES	CONDUCTORS: 2 POLES X 7 MODULES	CONDUCTORS: 2 POLES X 8 MODULES	CONDUCTORS: 2 POLES X 9 MODULES	CONDUCTORS: 2 POLES X 10 MODULES

Micro Mini Underwater Connector Series

PRODUCTS FEATURE:

Many of the products in this catalog are capable of being mated in under water with electrical power de-energized. Precision interference fit between contacts and neoprene-neoprene interface ensures waterproof integrity when correctly installed and maintained. Bulkhead connectors are molded directly to the face of all threaded fittings to provide maximum strength.

PRESSURE RATINGS:

All In-Line Connectors and Bulkhead Connectors are rated for 10,000 P.S.I.

[micro mini square - Page \[1\] of \[2\] -](#)

[micro mini circular connectors- Page \[2\] of \[2\] -](#)

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U.S.I. MICRO - MINI[®] SQUARE

	MM3SM DIMENSIONS INCH A .62 B .37 C .37 D .50 L 18.00	MM6SM DIMENSIONS INCH A .62 B .37 C .37 D .50 L 18.00	MM8SM DIMENSIONS INCH A .87 B .37 C .50 D .50 L 18.00	MM16SM DIMENSIONS INCH A .87 B .77 C .50 D .50 L 18.00

	MM3SF DIMENSIONS INCH A .62 B .37 C .64 D .50 L 18.00	MM6SF DIMENSIONS INCH A .62 B .37 C .64 D .50 L 18.00	MM8SF DIMENSIONS INCH A .87 B .37 C .50 D .50 L 18.00	MM16SF DIMENSIONS INCH A .87 B .77 C .50 D .50 L 18.00

	MM36J DIMENSIONS INCH A .10 B .63 C 1.00 D 1.17 E 1.51 F 2.12 G 1.92 L 24.00



U.S.I. MICRO - MINI® CIRCULAR

(● INDICATE POLARIZING PIN)

(● INDICATE POLARIZING HOLE)

Penetrator Series

PRODUCTS FEATURE:

Underwater systems has vast experience in the design and construction of custom cable assemblies and hull or bulkhead mounting penetrators. We specialize in the over-mold termination of connectors to numerous cable materials such as; neoprene, hypalon, polyurethane, polyethylene, viton, pvc and hydril.

The cable assemblies can be provided in any length, number of conductors, single or multiple breakouts, and coil cords. The penetrators can be provided to operate at full ocean depth and are available in a wide range of materials and mounting configurations.

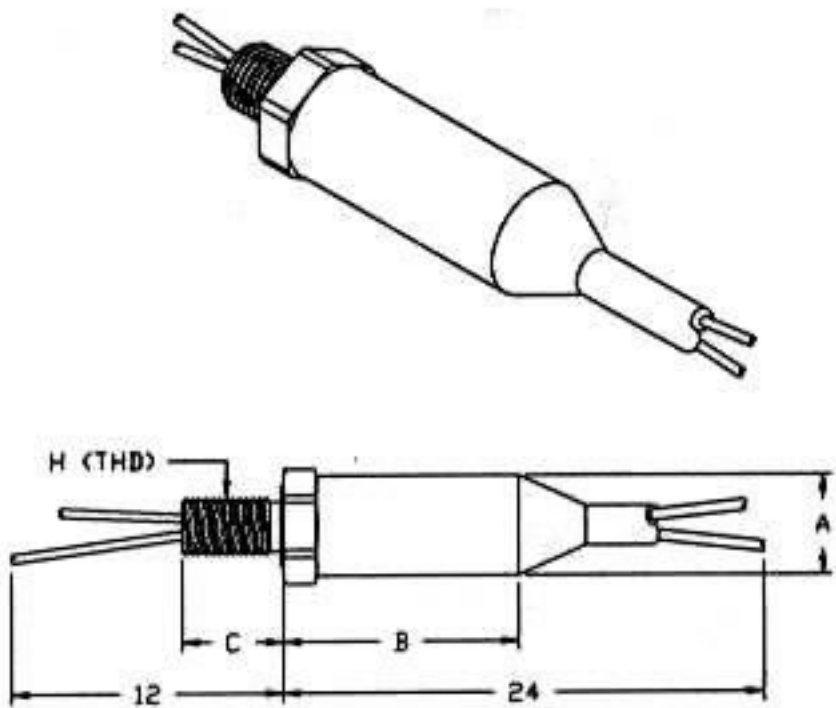
[Penetrators- Page \[1\] of \[1\] -](#)

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U.S.I. PENETRATOR



PE-202	PE-203	PE-204	PE-206	PE-208	PE-212
DIMENSIONS INCH	DIMENSIONS INCH	DIMENSIONS INCH	DIMENSIONS INCH	DIMENSIONS INCH	DIMENSIONS INCH
A ø.75	A ø.87	A ø.87	A ø1.12	A ø1.12	A ø1.25
B 1.75	B 2.19	B 2.19	B 2.37	B 2.37	B 3.12
C .50	C .50	C .50	C .50	C .50	C .87
D 7/16-20UNF	D 5/8-18UNF	D 5/8-18UNF	D 7/8-14UNF	D 7/8-14UNF	D 1-14UNF
E .75	E 1.12	E 1.12	E 1.25	E 1.25	E 1.50
#16 AWG	#16 AWG	#18 AWG	#18 AWG	#18 AWG	#18 AWG
O'-RING 2-014	O'-RING 2-019	O'-RING 2-019	O'-RING 2-021	O'-RING 2-021	O'-RING 2-122

Sealoc Underwater Connector Series

PRODUCTS FEATURE:

This series is ideal for a wide range of underwater camera, lighting, and instrumentation applications; also known in the industry as the "NELSON" connector. 1,2,3, & 4 contact versions with both in line, bulkhead, and dummy connector configurations are available. Neoprene rubber body is directly molded to the cable and is provided with silver plated # 16 AWG contacts and rated to 20,000 PSI.

[Sealoc connectors - Page \[1\] of \[2\] -](#)

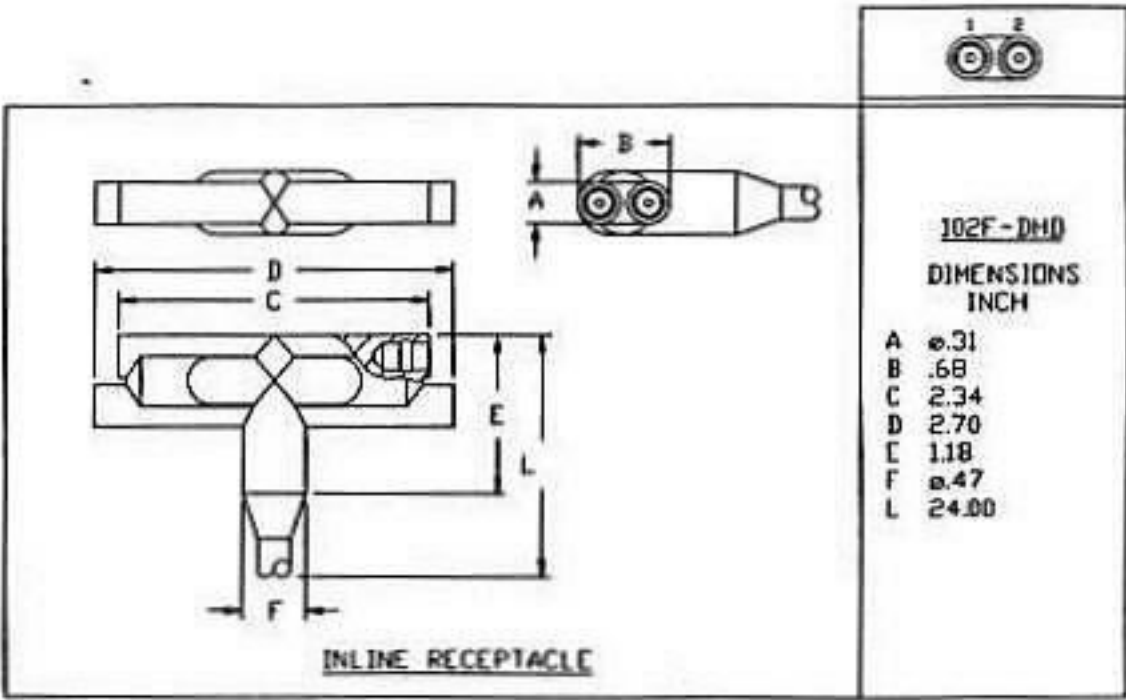
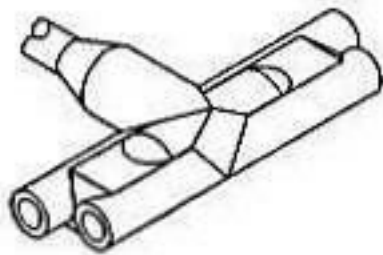
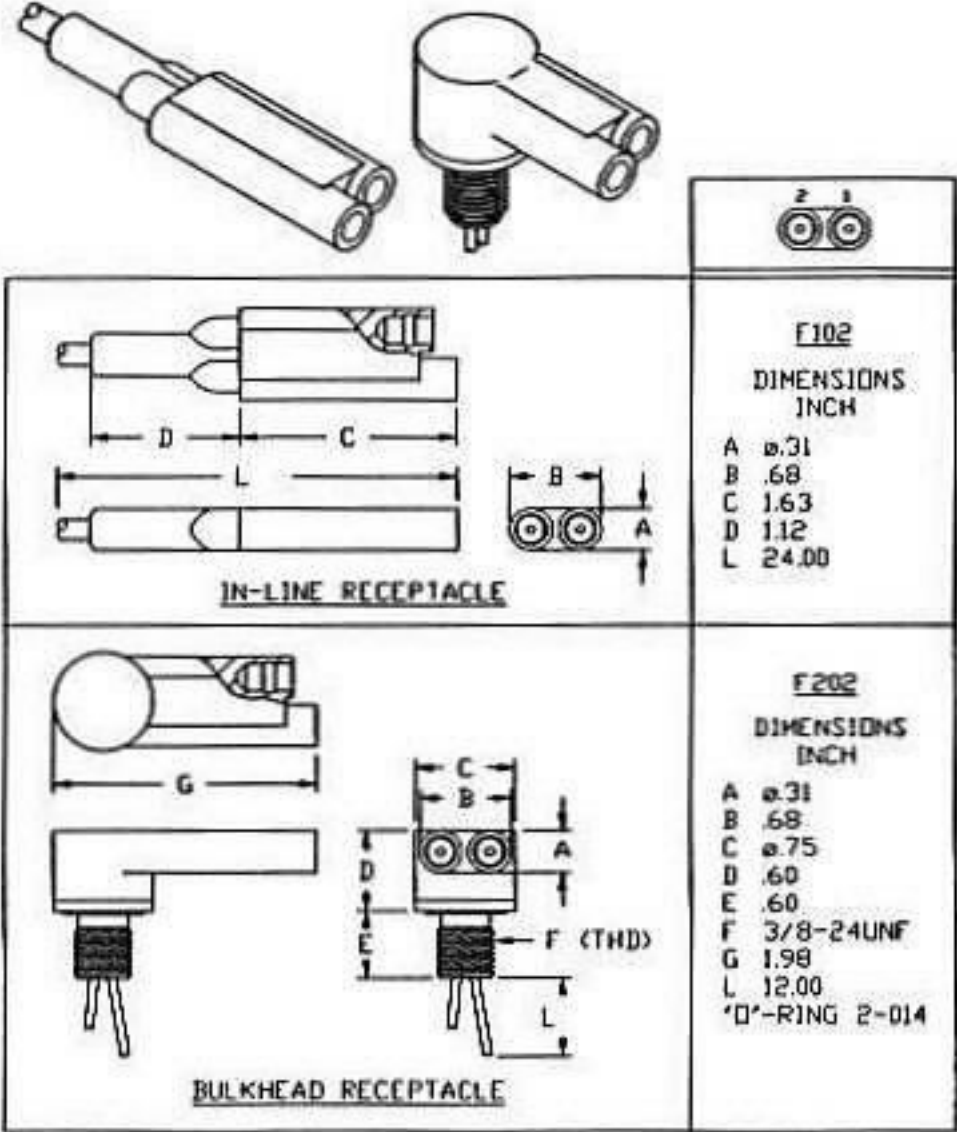
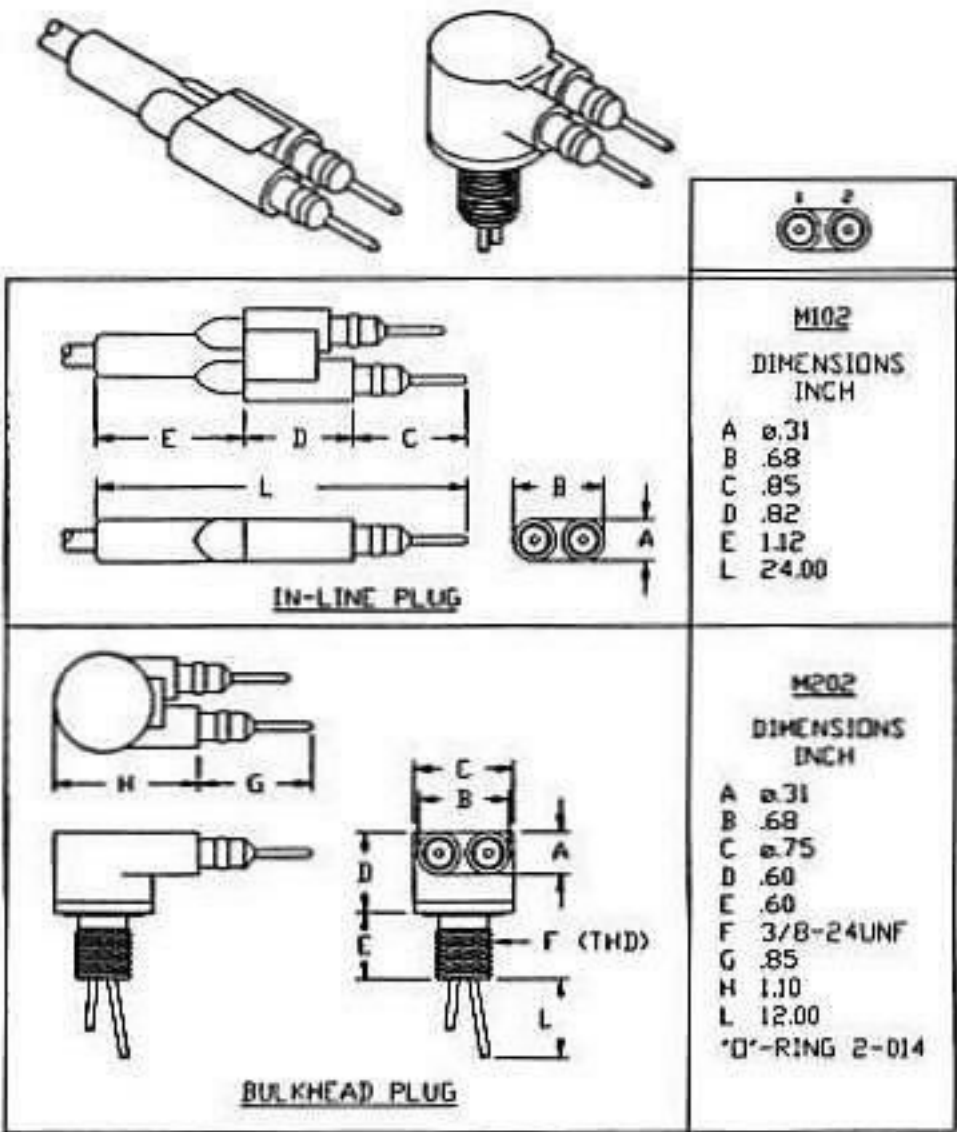
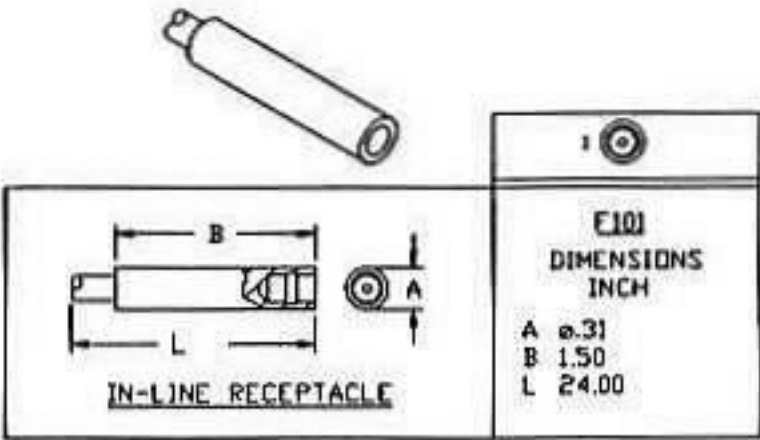
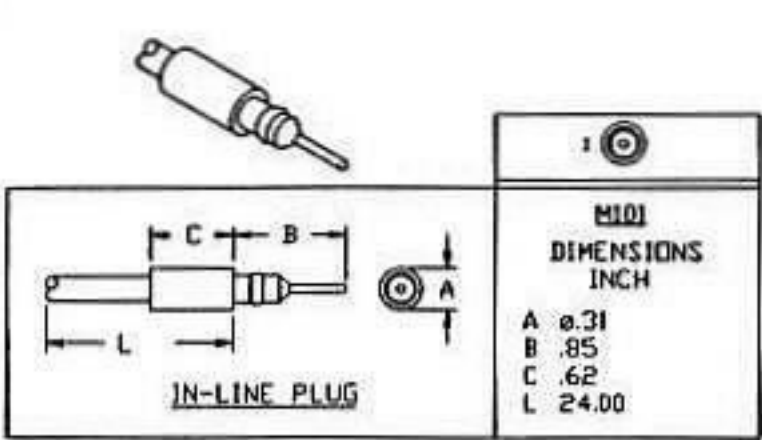
[Sealoc connectors - Page \[2\] of \[2\]](#)

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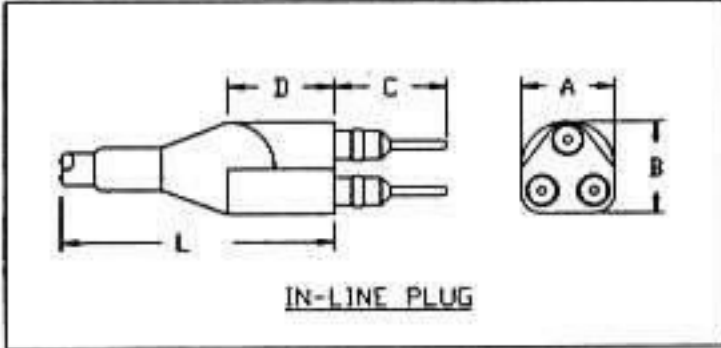
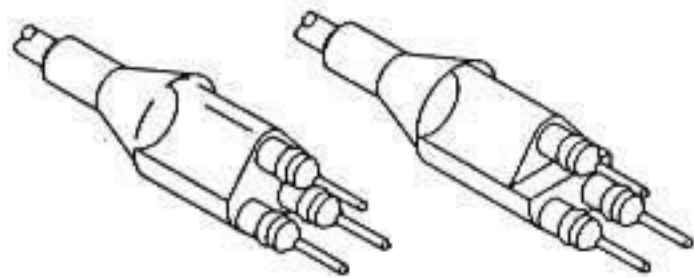


U.S.I. SEALOC®

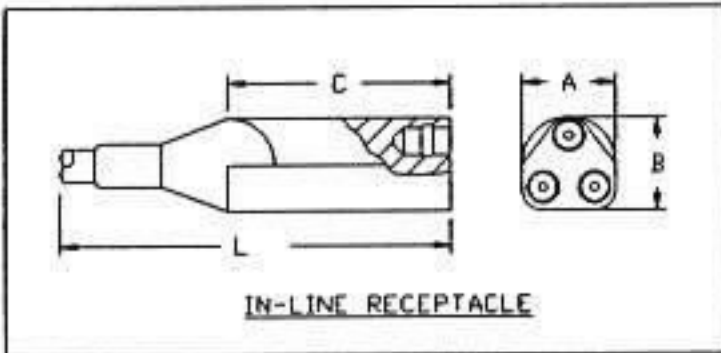
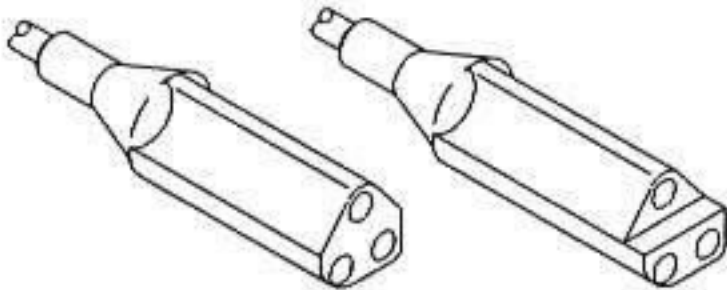




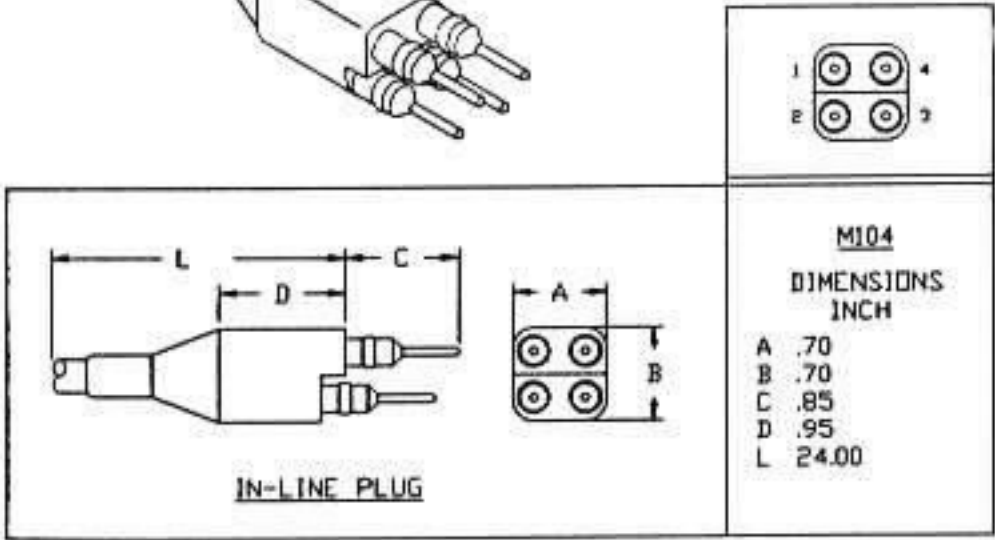
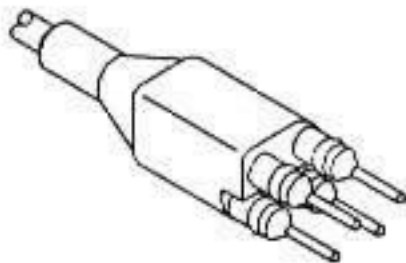
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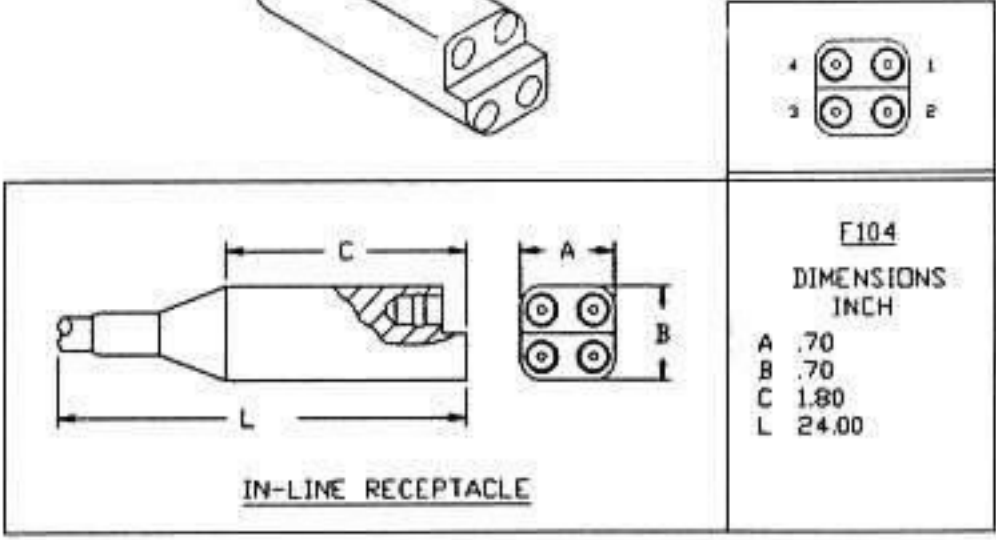
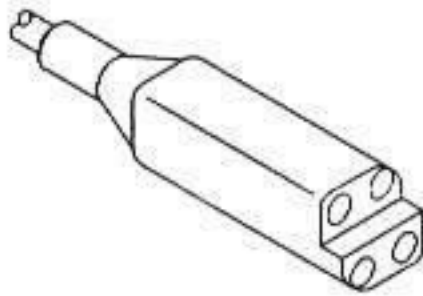
M103 DIMENSIONS INCH	M103-2 DIMENSIONS INCH
A .70	A .70
B .70	B .70
C .85	C .85
D .80	D .95
L 24.00	L 24.00



F103 DIMENSIONS INCH	F103-2 DIMENSIONS INCH
A .70	A .70
B .70	B .70
C 1.65	C 1.84
L 24.00	L 24.00



M104 DIMENSIONS INCH
A .70
B .70
C .85
D .95
L 24.00



F104 DIMENSIONS INCH
A .70
B .70
C 1.80
L 24.00

Magnetic Switches

PRODUCTS FEATURE:

Proximity switches are designed to be very rugged and operate at an ocean depth of 10,000 feet. Each standard switch is capable of operating at 0.5 amps @ 200 VDC, with 3.0 amps available upon request. The switch is constructed using a high quality Rhodium contact and is totally protected from the environment by neoprene overmolding.

Various mounting and output options are available. Diver actuated proximity switches are also available in both rotary and push-button versions utilizing the same rugged construction and proven technology.

PRESSURE RATINGS:

All In-Line Connectors and Bulkhead Connectors are rated for 10,000 P.S.I.

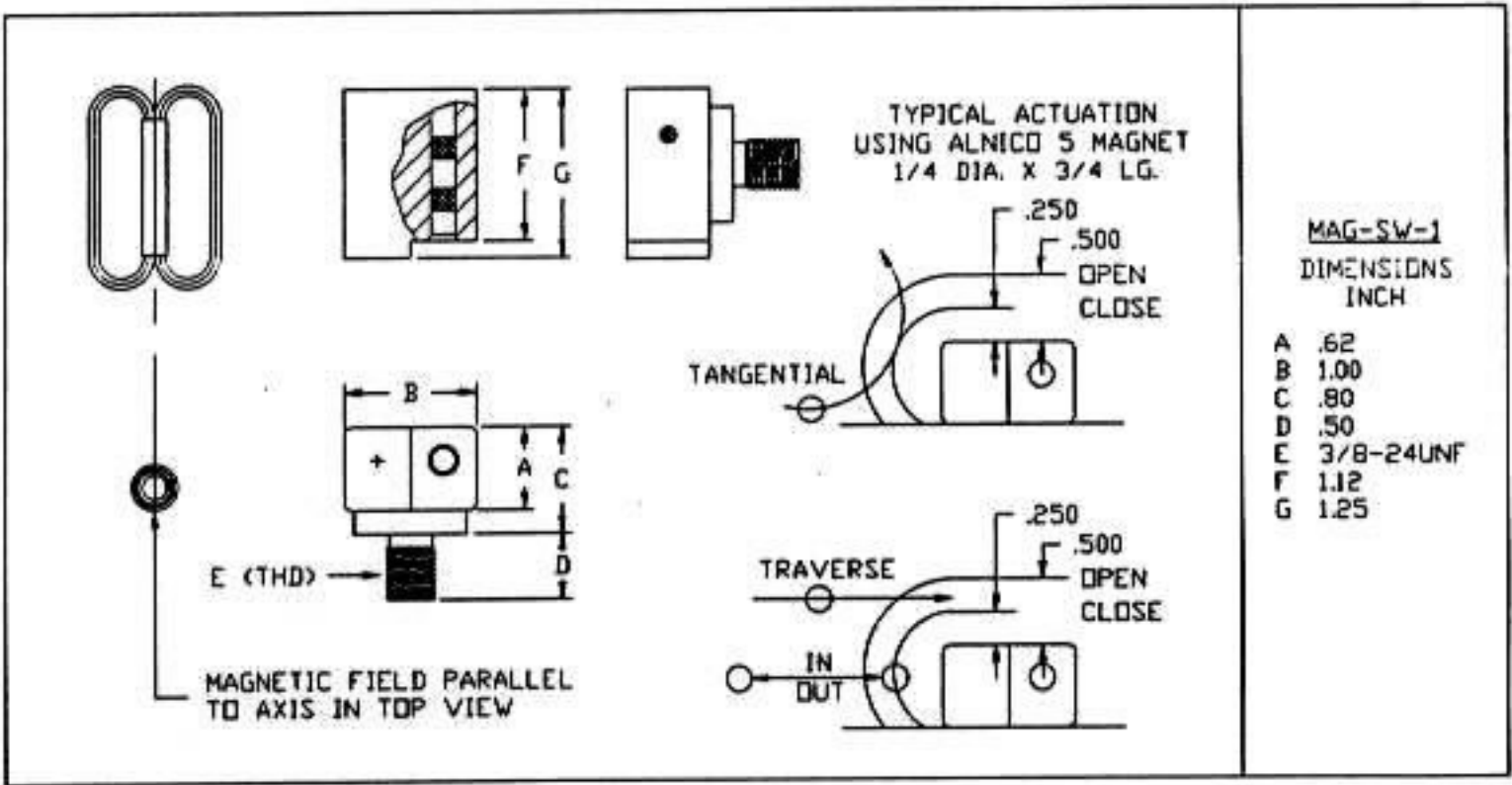
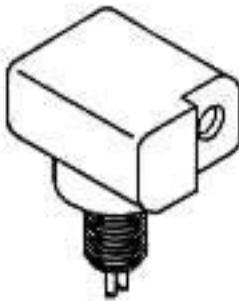
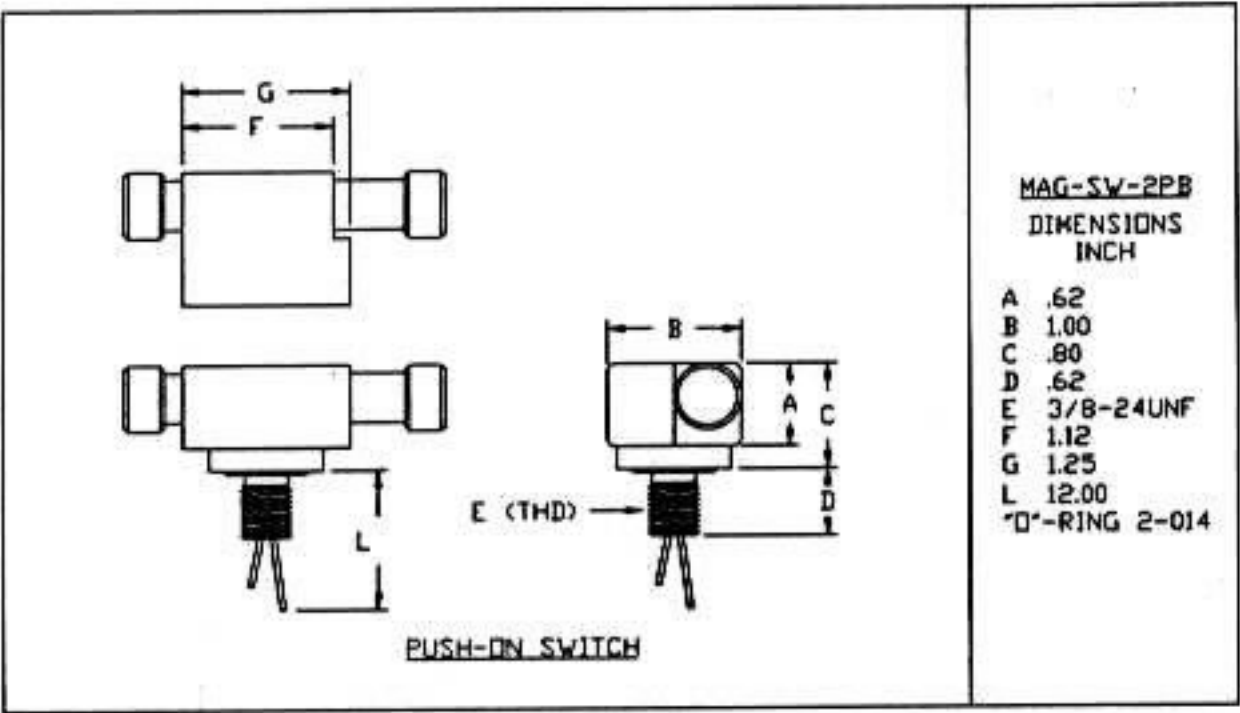
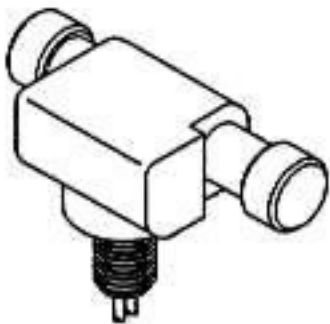
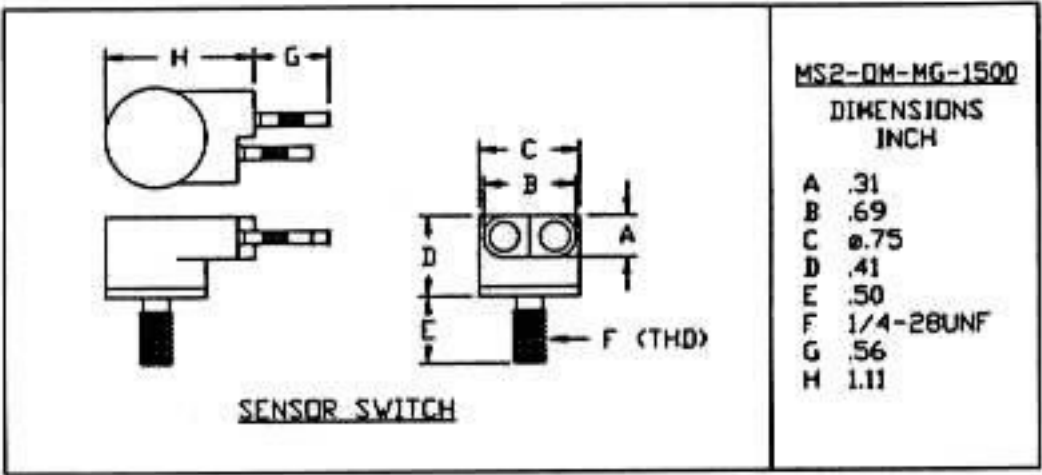
[magnetic switches- Page \[1\] of \[1\] -](#)

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U.S.I. MAGNETIC SWITCH



Locking Sleeves

PRODUCTS FEATURE:

Many of the products in this catalog are capable of being mated in under water with electrical power de-energized. Precision interference fit between contacts and neoprene-neoprene interface ensures waterproof integrity when correctly installed and maintained. Bulkhead connectors are molded directly to the face of all threaded fittings to provide maximum strength.

PRESSURE RATINGS:

All In-Line Connectors and Bulkhead Connectors are rated for 10,000 P.S.I.

[locking sleeves - Page \[1\] of \[2\] -](#)

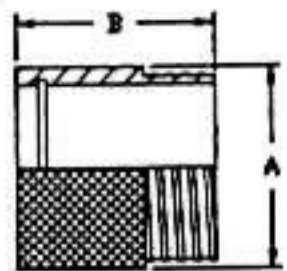
[locking sleeves - Page \[2\] of \[2\] -](#)

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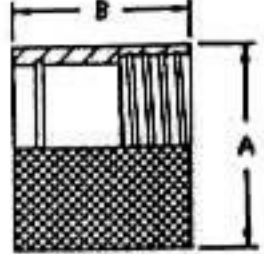


U.S.I. LOCKING SLEEVES



MALE LOCKING SLEEVE

<u>US8TM5-4</u> DIMENSION INCHES A. 1.32 B. 1.37	<u>USED ON</u> STF1CFF-1 STF2CFF-1 STE1CFF-BH STF2CFF-BH			<u>US8TM5-6</u> DIMENSION INCHES A. 0.87 B. 1.75	<u>USED ON</u> STE1CF-1 STF2CF-2
<u>US8TM8-2</u> DIMENSION INCHES A. 1.80 B. 1.31	<u>USED ON</u> 1" DIA. FEMALE ST AND SB CIRCULAR CONNECTORS	<u>US8TM8-4</u> DIMENSION INCHES A. 1.80 B. 1.50	<u>USED ON</u> 1" DIA. FEMALE ST AND SB CIRCULAR CONNECTORS WITH FLANGE	<u>US8TM8-6</u> DIMENSION INCHES A. 1.55 B. 1.23	<u>USED ON</u> 1" DIA. FEMALE ST AND SB CIRCULAR CONNECTORS
<u>US8TM10-2</u> DIMENSION INCHES A. 1.80 B. 1.23	<u>USED ON</u> 1.25" DIA. FEMALE ST AND SB CIRCULAR CONNECTORS	<u>US8TM10-4</u> DIMENSION INCHES A. 1.80 B. 1.50	<u>USED ON</u> 1.25" DIA. FEMALE ST AND SB CIRCULAR CONNECTORS WITH FLANGE	<u>US8TM10-6</u> DIMENSION INCHES A. 1.55 B. 1.23	<u>USED ON</u> 1.25" DIA. FEMALE ST AND SB CIRCULAR CONNECTORS
<u>US8TM16-2</u> DIMENSION INCHES A B	<u>USED ON</u> STH3CF-1 STH4CF-1 STH3CF-BH STH4CF-BH	<u>US8TM20-2</u> DIMENSION INCHES A B	<u>USED ON</u> STL3CF-1 STL4CF-1 STL3CF-BH STL4CF-BH	<u>US8TM12-6</u> DIMENSION INCHES A. 2.38 B. 1.30	<u>USED ON</u> 1.60" DIA. FEMALE SB CIRCULAR CONNECTORS

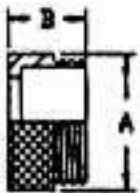


FEMALE LOCKING SLEEVE

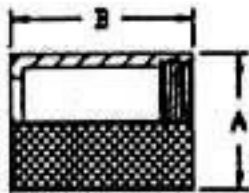
<u>US8TF5-4</u> DIMENSION INCHES A. 1.32 B. 1.96	<u>USED ON</u> STF1CMF-1 STF2CMF-1 STE1CMF-BH STF2CMF-BH			<u>US8TF5-6</u> DIMENSION INCHES A. 0.87 B. 2.25	<u>USED ON</u> STE1CM-1 STF2CM-2
<u>US8TF8-2</u> DIMENSION INCHES A. 1.80 B. 1.51	<u>USED ON</u> 1" DIA. MALE ST AND SB CIRCULAR CONNECTORS	<u>US8TF8-4</u> DIMENSION INCHES A. 1.80 B. 2.10	<u>USED ON</u> 1" DIA. MALE ST AND SB CIRCULAR CONNECTORS WITH FLANGE	<u>US8TF8-6</u> DIMENSION INCHES A. 1.25 B. 1.41	<u>USED ON</u> 1" DIA. MALE ST AND SB CIRCULAR CONNECTORS
<u>US8TF10-2</u> DIMENSION INCHES A. 1.80 B. 1.41	<u>USED ON</u> 1.25" DIA. MALE ST AND SB CIRCULAR CONNECTORS	<u>US8TF10-4</u> DIMENSION INCHES A. 1.80 B. 2.00	<u>USED ON</u> 1.25" DIA. MALE ST AND SB CIRCULAR CONNECTORS WITH FLANGE	<u>US8TF10-6</u> DIMENSION INCHES A. 1.55 B. 1.41	<u>USED ON</u> 1.25" DIA. MALE ST AND SB CIRCULAR CONNECTORS
<u>US8TF16-2</u> DIMENSION INCHES A B	<u>USED ON</u> STH3CM-1 STH4CM-1 STH3CM-BH STH4CM-BH	<u>US8TF20-2</u> DIMENSION INCHES A B	<u>USED ON</u> STL3CM-1 STL4CM-1 STL3CM-BH STL4CM-BH	<u>US8TF12-6</u> DIMENSION INCHES A. 2.38 B. 1.65	<u>USED ON</u> 1.60" DIA. MALE SB CIRCULAR CONNECTORS



U.S.I. LOCKING SLEEVES



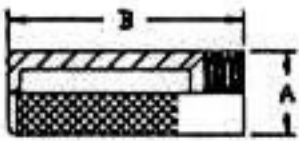
MALE LOCKING SLEEVE



FEMALE LOCKING SLEEVE

<u>US8MLS-1</u>	<u>USED ON</u>	<u>USED ON</u>
DIMENSIONS	VPC-1-MP	VPC-1-MS
INCH	VPC-2-MP	VPC-2-MS
A #1.00	VPC-3-MP	VPC-3-MS
B .59	VPC-4-MP	VPC-4-MS
	VPC-1-MP-OH	VPC-1-MS-OH
	VPC-2-MP-OH	VPC-2-MS-OH
	VPC-3-MP-OH	VPC-3-MS-OH
	VPC-4-MP-OH	VPC-4-MS-OH

<u>US8FLS-1</u>	<u>USED ON</u>	<u>USED ON</u>
DIMENSIONS	VPC-1-FS	VPC-1-FP
INCH	VPC-2-FS	VPC-2-FP
A #1.00	VPC-3-FS	VPC-3-FP
B 1.42	VPC-4-FS	VPC-4-FP
	VPC-1-FS-OH	VPC-1-FP-OH
	VPC-2-FS-OH	VPC-2-FP-OH
	VPC-3-FS-OH	VPC-3-FP-OH
	VPC-4-FS-OH	VPC-4-FP-OH



FEMALE LOCKING SLEEVE

<u>US8TF2-6</u>	<u>USED ON</u>
DIMENSIONS	F101
INCH	
A #.62	
B 1.75	

SEAMAX

Underwater Connectors

Introduction

**Design
Features**

Capabilities

Type ER

Type ERPB

Type EC

Contact





Underwater Connectors

Introduction

For more than a decade, Connector Systems has been dedicated to serving the need for high quality electrical connectors in an emerging underwater equipment industry. Our connector engineers, backed by seventy years of cable manufacturing experience, have engineered connectors and cable assemblies for the most demanding underwater applications. From deep sea research to undersea mining, Connector Systems has met the needs of the industry with both a standard line of products and a host of custom engineered systems.

Today our manufacturing facilities are among the most modern in the connector industry. Connector Systems engineers connectors and hull penetrators for any marine application. We build connector parts in our own machine shops. We develop proprietary molding compounds in our own laboratories, and we custom-mold cable assemblies to any specification.

In this catalog, Connector Systems presents the SEAMAX line of underwater connectors. There are more than 200 standard connectors. All are built to withstand the corrosive effects of sea and estuarine waters. Many are designed to withstand working pressures of thousands of feet of depth, reliably, time after time. SEAMAX connectors meet the needs for power, communications, and control functions in undersea research systems, submersible vehicles, naval weapons systems and most other subsea applications. When there are unique requirements, our engineers are prepared to study your application and to develop connectors and cable assemblies to meet your special needs.

Introduction	Design Features	Capabilities
Type ER	Type ERPB	Type EC
Contact		



OIL FILLED CABLE ASSEMBLY

Connectors for oil filled cables offer extraordinary reliability, and yet they may be easily assembled to cable on site. The assembly shown here will mate with assemblies using SEAMAX non-oil filled connectors. Shown here are connectors types ERPB 3406-16S and ERPB 3401-16P

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SEAMAX Connector Design Features

Underwater Systems has incorporated numerous unique design features into the **SEAMAX** series of underwater connectors. **SEAMAX** connectors provide reliable electrical and pressure performance similar to that of the best glass-sealed designs at a fraction of the cost.

All **SEAMAX** connectors use rugged metal shells, precisely machined from single pieces of high grade stainless steel or aluminum. Using one high pressure molding operation, Underwater Systems molds pressure seals and contact pins into the connector with high density neoprene rubber. Proprietary thermosetting compounds are then used to permanently encapsulate terminated wiring and to reinforce the pressure sealing system.

1. Connector shells are machined from single pieces of stainless steel or aluminum (anodized).
2. Keys are integral with connector shells. Type ER connectors use molded rubber keys. Types EB and EC use machined keys.
3. Contacts of ER and EB connectors are molded into insulators to ensure water-blocked construction.
4. Panel-mounted connectors are supplied with Teflon[®] insulated pigtails.
5. Connector backshells are vulcanized to high grade underwater cable on in-line connectors.
6. Contacts are high conductivity copper alloy.
7. Individual contact seals on ER and EB connectors provide electrical integrity even when insert faces are wet.

Design Data

The **SEAMAX** series of connectors are engineered to the most exacting quality standards to ensure an extended service life in undersea environmental conditions. Connectors are designed to exceed all standards of MIL-C-24231. Connectors also meet many requirements of MIL-C-24217 Below is a brief summary of mechanical, environmental, and electrical design data.

STANDARD CONSTRUCTION MATERIALS

- SHELLS** — Passivated stainless steel, or anodized aluminum
COUPLING NUTS — Aluminum bronze or anodized aluminum
INSULATOR — Neoprene rubber
CONTACTS — High conductivity copper alloy

Introduction	Design Features	Capabilities
Type ER	Type ERPB	Type EC
Contact		

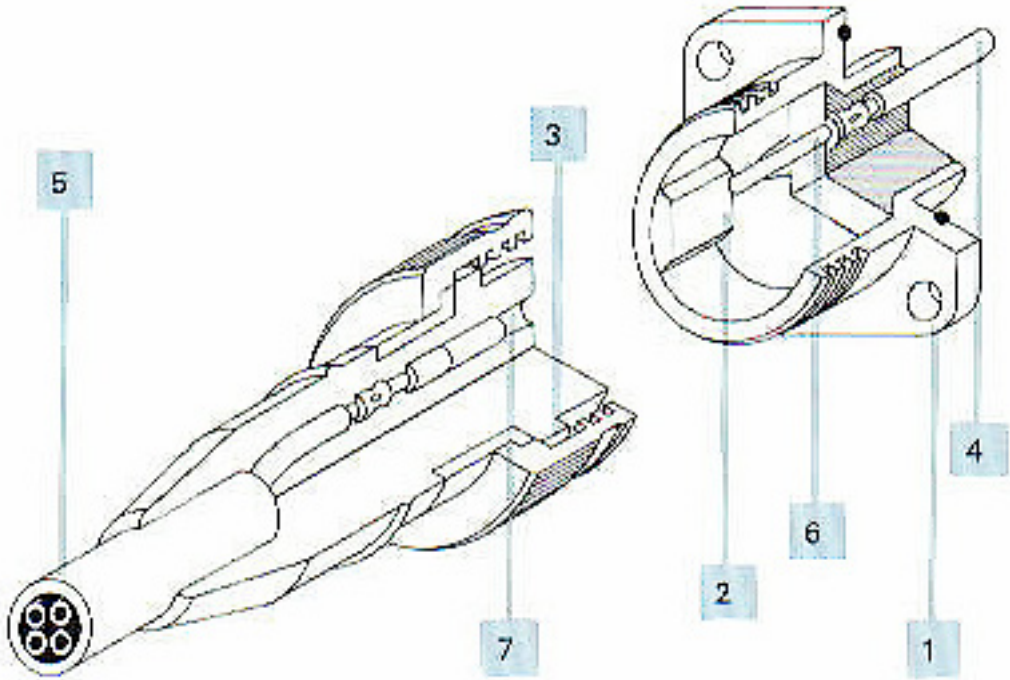
SEAMAX connectors are constructed in four primary designs. They are the following:

TYPE ER —These economical connectors are identified by their prominent rubber keys and keyways. These connectors have excellent contact density. Connectors may be mated while they are wet, although they should not be mated while submerged.

TYPE EB — These connectors are identified by the single machined keys and keyways. Type ER connectors offer good contact density, greater resistance to rough handling, and improved pressure performance. Connectors may be mated while faces are wet, but they should not be mated while submerged.

TYPES ERPB & EBPB — These connectors are engineered for construction into oil-filled, pressure balanced cable assemblies. Connectors have metal backshells which include an oil-fill port. These connectors can be conveniently field assembled with cable and oil-fill tubing.

TYPES EC — These connectors are designed to meet the need for high density contact arrangements in underwater connectors. They are ideal for medium duty applications, and they are suitable for use in depths of 2,500 feet



ENVIRONMENTAL DESIGN

HYDROSTATIC PRESSURE

Connectors have been designed to withstand the following pressures:

Connector Types ER and EB

Mated — 10,000 psi

Unmated — 10,000 psi

Type EC

Mated — 1,200 psi

Unmated — Not recommended

Oil-Filled Connectors, Types ERPB & EBPB

Only panel mounted connectors are designed to withstand pressure differentials.

Mated—10,000 psi

Unmated—10,000 psi

OPERATING TEMPERATURES— -50°C to +90°C

THERMAL SHOCK -40°C to +75°C

CORROSION RESISTANCE— Exceeds MIL-STD 202, Method 101, Condition D

VIBRATION — Meets Type I requirements of MIL-STD-167-1

NUMBER OF CONTACTS — 1 to 41

INSULATION RESISTANCE — Better than 2,000 Megohms

DIELECTRIC WITHSTANDING VOLTAGE:

Type ER — 2300 volts rms

Type EB — 2300 volts rms

Type EC — 1500 volts rms

VOLTAGE RATING — 600 volts, unless otherwise indicated

TYPE ER

With molded key inserts

INSERT ARRANGEMENTS
All insert markings and insert arrangements shown in this catalog are for the face view of the pin inserts. Socket insert arrangements would be represented by mirror images of the arrangements shown.

INSERT SIZES
Representative drawings appearing in this catalog are not actual sizes and some drawings are not to actual scale.

DIMENSIONS
Dimensions shown in this catalog are subject to revision without notice and they are not intended for detailed engineering or inspection purposes.

CONNECTOR CAPS
All SEAMAX connectors and cable assemblies may be ordered with caps to provide protection for unmated connectors. Connector Systems offers molded rubber caps and pressure proof steel or aluminum caps. Molded rubber caps are designed to shield contacts from environmental contaminants, and they should not be used under pressure. All caps may be ordered with attaching lanyards.

[Next Page -->](#)

Shell Size 20

Connectors with size 20 shells are supplied with V-threads.

1 No. 16
(5,000 v)

3 No. 16
(600 v)

4 No. 16
(600 v)

6 No. 16
(600 v)

Shell 06 IN-LINE PLUG

Mates with Receptacles 01, 02, 07

CONTACTS-SOCKETS Part #ER 2006-1S

DIMENSIONS

	in.	mm.
A	1.50	38.1
B	2.30	58.4
C	1.08	27.4
D	2.60	66.0
E	1.25	31.8
F	1 1/4-18	

CONTACTS-SOCKETS Part #ER 2006-3S

DIMENSIONS

	in.	mm.
A	1.50	38.1
B	2.30	58.4
C	1.08	27.4
D	2.60	66.0
E	1.25	31.8
F	1 1/4-18	

CONTACTS-SOCKETS Part #ER 2006-4S

DIMENSIONS

	in.	mm.
A	1.50	38.1
B	2.30	58.4
C	1.08	27.4
D	2.60	66.0
E	1.25	31.8
F	1 1/4-18	

CONTACTS-SOCKETS Part #ER 2006-6S

DIMENSIONS

	in.	mm.
A	1.50	38.1
B	2.30	58.4
C	1.08	27.4
D	2.60	66.0
E	1.25	31.8
F	1 1/4-18	

When ordering, please specify length and type of cable desired.

For connectors ordered unassembled, molded backshells are not included.

Shell 01 IN-LINE RECEPTACLE

Mates with Plugs 06, 06R, 11

CONTACTS-PINS Part #ER 2001-1P

DIMENSIONS

	in.	mm.
A	2.30	58.4
B	1.08	27.4
C	2.60	66.0
D	1.25	31.8
E	1 1/4-18	

CONTACTS-PINS Part #ER 2001-3P

DIMENSIONS

	in.	mm.
A	2.30	58.4
B	1.08	27.4
C	2.60	66.0
D	1.25	31.8
E	1 1/4-18	

CONTACTS-PINS Part #ER 2001-4P

DIMENSIONS

	in.	mm.
A	2.30	58.4
B	1.08	27.4
C	2.60	66.0
D	1.25	31.8
E	1 1/4-18	

CONTACTS-PINS Part #ER 2001-6P

DIMENSIONS

	in.	mm.
A	2.30	58.4
B	1.08	27.4
C	2.60	66.0
D	1.25	31.8
E	1 1/4-18	

When ordering, please specify length and type of cable desired.

For connectors ordered unassembled, molded backshells are not included.

Shell 11 PANEL-MOUNTED PLUG

Mates with Receptacle 01

CONTACTS-SOCKETS Part #ER 2011-1S

DIMENSIONS

	in.	mm.
A	1.25	31.8
B	1.75	44.5
C	2.40	61.0
D	2.90	73.7
E	1.00	25.4
F	.26	6.6
G	1 1/4-18	

CONTACTS-SOCKETS Part #ER 2011-3S

DIMENSIONS

	in.	mm.
A	1.25	31.8
B	1.75	44.5
C	2.40	61.0
D	2.90	73.7
E	1.00	25.4
F	.26	6.6
G	1 1/4-18	

CONTACTS-SOCKETS Part #ER 2011-4S

DIMENSIONS

	in.	mm.
A	1.25	31.8
B	1.75	44.5
C	2.40	61.0
D	2.90	73.7
E	1.00	25.4
F	.26	6.6
G	1 1/4-18	

CONTACTS-SOCKETS Part #ER 2011-6S

DIMENSIONS

	in.	mm.
A	1.25	31.8
B	1.75	44.5
C	2.40	61.0
D	2.90	73.7
E	1.00	25.4
F	.26	6.6
G	1 1/4-18	

This connector is supplied with Teflon® insulated pigtails.

Unless otherwise specified, pigtail length is 24 inches.

Shell 02 PANEL-MOUNTED RECEPTACLE

Mates with Plugs 06, 06R

CONTACTS-PINS Part #ER 2002-1P

DIMENSIONS

	in.	mm.
A	1.25	31.8
B	1.75	44.5
C	1.50	38.1
D	2.00	50.8
E	1.00	25.4
F	.26	6.6
G	1 1/4-18	

CONTACTS-PINS Part #ER 2002-3P

DIMENSIONS

	in.	mm.
A	1.25	31.8
B	1.75	44.5
C	1.50	38.1
D	2.00	50.8
E	1.00	25.4
F	.26	6.6
G	1 1/4-18	

CONTACTS-PINS Part #ER 2002-4P

DIMENSIONS

	in.	mm.
A	1.25	31.8
B	1.75	44.5
C	1.50	38.1
D	2.00	50.8
E	1.00	25.4
F	.26	6.6
G	1 1/4-18	

CONTACTS-PINS Part #ER 2002-6P

DIMENSIONS

	in.	mm.
A	1.25	31.8
B	1.75	44.5
C	1.50	38.1
D	2.00	50.8
E	1.00	25.4
F	.26	6.6
G	1 1/4-18	

This connector is supplied with Teflon® insulated pigtails.

Unless otherwise specified, pigtail length is 24 inches.

Shell 07 PANEL-MOUNTED RECEPTACLE

Mates with Plugs 06, 06R

CONTACTS-PINS Part #ER 2007-1P

DIMENSIONS

	in.	mm.
A	1.25	31.8
B	1.50	38.1
C	2.00	50.8
D	1 1/4-18	
E	3/4-16	

CONTACTS-PINS Part #ER 2007-3P

DIMENSIONS

	in.	mm.
A	1.25	31.8
B	1.50	38.1
C	2.00	50.8
D	1 1/4-18	
E	3/4-16	

CONTACTS-PINS Part #ER 2007-4P

DIMENSIONS

	in.	mm.
A	1.25	31.8
B	1.50	38.1
C	2.00	50.8
D	1 1/4-18	
E	3/4-16	

CONTACTS-PINS Part #ER 2007-6P

DIMENSIONS

	in.	mm.
A	1.25	31.8
B	1.50	38.1
C	2.00	50.8
D	1 1/4-18	
E	3/4-16	

This connector is supplied with Teflon® insulated pigtails.

Unless otherwise specified, pigtail length is 24 inches.

Shell 06R RIGHT-ANGLED PLUG

Mates with Receptacles 01, 02, 07

CONTACTS-SOCKETS Part #ER 2006R-1S

DIMENSIONS

	in.	mm.
A	1.50	38.1
B	3.50	88.9
C	2.75	69.9
D	1 1/4-18	

CONTACTS-SOCKETS Part #ER 2006R-3S

DIMENSIONS

	in.	mm.
A	1.50	38.1
B	3.50	88.9
C	2.75	69.9
D	1 1/4-18	

CONTACTS-SOCKETS Part #ER 2006R-4S

DIMENSIONS

	in.	mm.
A	1.50	38.1
B	3.50	88.9
C	2.75	69.9
D	1 1/4-18	

CONTACTS-SOCKETS Part #ER 2006R-6S

DIMENSIONS

	in.	mm.
A	1.50	38.1
B	3.50	88.9
C	2.75	69.9
D	1 1/4-18	

When ordering, please specify length and type of cable desired.

This connector is NOT available unassembled.

TYPE ER II

With molded key inserts

[Next Page -->](#)

Shell Size 24

Connectors with size 24 shells are supplied with Acme threads.

3 No. 10
(1600 v)

4 No. 12
(1600 v)

3 No. 12 (1,000 v),
2 No. 15 (600 v)

8 No. 12
(1600 v)

12 No. 15
(1600 v)

3 No. 12 (1,000 v),
1 No. 15 (1200 v)

Shell 05 IN-LINE PLUG

Mates with Receptacles 01, 02, 07

CONTACTS-SOCKETS Part #ER 2405-3S

DIMENSIONS
in. mm
A 1.75 44.5
B 2.30 58.4
C 1.30 33.0
D 2.90 73.7
E 1.50 38.1
F 1 1/4-10

CONTACTS-SOCKETS Part #ER 2405-4S

DIMENSIONS
in. mm
A 1.75 44.5
B 2.30 58.4
C 1.30 33.0
D 2.90 73.7
E 1.50 38.1
F 1 1/4-10

CONTACTS-SOCKETS Part #ER 2405-5S

DIMENSIONS
in. mm
A 1.75 44.5
B 2.30 58.4
C 1.30 33.0
D 2.90 73.7
E 1.50 38.1
F 1 1/4-10

CONTACTS-SOCKETS Part #ER 2405-8S

DIMENSIONS
in. mm
A 1.75 44.5
B 2.30 58.4
C 1.30 33.0
D 2.90 73.7
E 1.50 38.1
F 1 1/4-10

CONTACTS-SOCKETS Part #ER 2405-12S

DIMENSIONS
in. mm
A 1.75 44.5
B 2.30 58.4
C 1.30 33.0
D 2.90 73.7
E 1.50 38.1
F 1 1/4-10

CONTACTS-SOCKETS Part #ER 2405-4SC

DIMENSIONS
in. mm
A 1.75 44.5
B 2.30 58.4
C 1.30 33.0
D 2.90 73.7
E 1.50 38.1
F 1 1/4-10

When ordering, please specify length and type of cable desired. For connectors ordered unassembled, molded backshells are not included.

Shell 01 IN-LINE RECEPTACLE

Mates with Plugs 05, 06R, 11

CONTACTS-PINS Part #ER 2401-3P

DIMENSIONS
in. mm
A 2.30 58.4
B 1.30 33.0
C 2.90 73.7
D 1.50 38.1
E 1 1/4-10

CONTACTS-PINS Part #ER 2401-4P

DIMENSIONS
in. mm
A 2.30 58.4
B 1.30 33.0
C 2.90 73.7
D 1.50 38.1
E 1 1/4-10

CONTACTS-PINS Part #ER 2401-5P

DIMENSIONS
in. mm
A 2.30 58.4
B 1.30 33.0
C 2.90 73.7
D 1.50 38.1
E 1 1/4-10

CONTACTS-PINS Part #ER 2401-8P

DIMENSIONS
in. mm
A 2.30 58.4
B 1.30 33.0
C 2.90 73.7
D 1.50 38.1
E 1 1/4-10

CONTACTS-PINS Part #ER 2401-12P

DIMENSIONS
in. mm
A 2.30 58.4
B 1.30 33.0
C 2.90 73.7
D 1.50 38.1
E 1 1/4-10

CONTACTS-PINS Part #ER 2401-4PC

DIMENSIONS
in. mm
A 2.30 58.4
B 1.30 33.0
C 2.90 73.7
D 1.50 38.1
E 1 1/4-10

When ordering, please specify length and type of cable desired. For connectors ordered unassembled, molded backshells are not included.

Shell 11 PANEL-MOUNTED PLUG

Mates with Receptacle 01

CONTACTS-SOCKETS Part #ER 2411-3S

DIMENSIONS
in. mm
A 1.50 38.1
B 2.00 50.8
C 2.40 61.0
D 2.90 73.7
E 1.00 25.4
F .25 6.6
G 1 1/4-10

CONTACTS-SOCKETS Part #ER 2411-4S

DIMENSIONS
in. mm
A 1.50 38.1
B 2.00 50.8
C 2.40 61.0
D 2.90 73.7
E 1.00 25.4
F .25 6.6
G 1 1/4-10

CONTACTS-SOCKETS Part #ER 2411-5S

DIMENSIONS
in. mm
A 1.50 38.1
B 2.00 50.8
C 2.40 61.0
D 2.90 73.7
E 1.00 25.4
F .25 6.6
G 1 1/4-10

CONTACTS-SOCKETS Part #ER 2411-8S

DIMENSIONS
in. mm
A 1.50 38.1
B 2.00 50.8
C 2.40 61.0
D 2.90 73.7
E 1.00 25.4
F .25 6.6
G 1 1/4-10

CONTACTS-SOCKETS Part #ER 2411-12S

DIMENSIONS
in. mm
A 1.50 38.1
B 2.00 50.8
C 2.40 61.0
D 2.90 73.7
E 1.00 25.4
F .25 6.6
G 1 1/4-10

CONTACTS-SOCKETS Part #ER 2411-4SC

DIMENSIONS
in. mm
A 1.50 38.1
B 2.00 50.8
C 2.40 61.0
D 2.90 73.7
E 1.00 25.4
F .25 6.6
G 1 1/4-10

This connector is supplied with Teflon® insulated pigtail. Unless otherwise specified, pigtail length is 24 inches.

Shell 02 PANEL-MOUNTED RECEPTACLE

Mates with Plugs 05, 06R

CONTACTS-PINS Part #ER 2402-3P

DIMENSIONS
in. mm
A 1.50 38.1
B 2.00 50.8
C 1.50 38.1
D 2.00 50.8
E 1.00 25.4
F .25 6.6
G 1 1/4-10

CONTACTS-PINS Part #ER 2402-4P

DIMENSIONS
in. mm
A 1.50 38.1
B 2.00 50.8
C 1.50 38.1
D 2.00 50.8
E 1.00 25.4
F .25 6.6
G 1 1/4-10

CONTACTS-PINS Part #ER 2402-5P

DIMENSIONS
in. mm
A 1.50 38.1
B 2.00 50.8
C 1.50 38.1
D 2.00 50.8
E 1.00 25.4
F .25 6.6
G 1 1/4-10

CONTACTS-PINS Part #ER 2402-8P

DIMENSIONS
in. mm
A 1.50 38.1
B 2.00 50.8
C 1.50 38.1
D 2.00 50.8
E 1.00 25.4
F .25 6.6
G 1 1/4-10

CONTACTS-PINS Part #ER 2402-12P

DIMENSIONS
in. mm
A 1.50 38.1
B 2.00 50.8
C 1.50 38.1
D 2.00 50.8
E 1.00 25.4
F .25 6.6
G 1 1/4-10

CONTACTS-PINS Part #ER 2402-4PC

DIMENSIONS
in. mm
A 1.50 38.1
B 2.00 50.8
C 1.50 38.1
D 2.00 50.8
E 1.00 25.4
F .25 6.6
G 1 1/4-10

This connector is supplied with Teflon® insulated pigtail. Unless otherwise specified, pigtail length is 24 inches.

Shell 07 PANEL-MOUNTED RECEPTACLE

Mates with Plugs 05, 06R

CONTACTS-PINS Part #ER 2407-3P

DIMENSIONS
in. mm
A 1.50 38.1
B 1.50 38.1
C 2.00 50.8
D 1 1/4-10
E 1-14

CONTACTS-PINS Part #ER 2407-4P

DIMENSIONS
in. mm
A 1.50 38.1
B 1.50 38.1
C 2.00 50.8
D 1 1/4-10
E 1-14

CONTACTS-PINS Part #ER 2407-5P

DIMENSIONS
in. mm
A 1.50 38.1
B 1.50 38.1
C 2.00 50.8
D 1 1/4-10
E 1-14

CONTACTS-PINS Part #ER 2407-8P

DIMENSIONS
in. mm
A 1.50 38.1
B 1.50 38.1
C 2.00 50.8
D 1 1/4-10
E 1-14

CONTACTS-PINS Part #ER 2407-12P

DIMENSIONS
in. mm
A 1.50 38.1
B 1.50 38.1
C 2.00 50.8
D 1 1/4-10
E 1-14

CONTACTS-PINS Part #ER 2407-4PC

DIMENSIONS
in. mm
A 1.50 38.1
B 1.50 38.1
C 2.00 50.8
D 1 1/4-10
E 1-14

This connector is supplied with Teflon® insulated pigtail. Unless otherwise specified, pigtail length is 24 inches.

Shell 06R RIGHT-ANGLED PLUG

Mates with Receptacles 01, 02, 07

CONTACTS-SOCKETS Part #ER 2406R-3S

DIMENSIONS
in. mm
A 1.75 44.5
B 4.00 101.6
C 3.06 77.7
D 1 1/4-10

CONTACTS-SOCKETS Part #ER 2406R-4S

DIMENSIONS
in. mm
A 1.75 44.5
B 4.00 101.6
C 3.06 77.7
D 1 1/4-10

CONTACTS-SOCKETS Part #ER 2406R-5S

DIMENSIONS
in. mm
A 1.75 44.5
B 4.00 101.6
C 3.06 77.7
D 1 1/4-10

CONTACTS-SOCKETS Part #ER 2406R-8S

DIMENSIONS
in. mm
A 1.75 44.5
B 4.00 101.6
C 3.06 77.7
D 1 1/4-10

CONTACTS-SOCKETS Part #ER 2406R-12S

DIMENSIONS
in. mm
A 1.75 44.5
B 4.00 101.6
C 3.06 77.7
D 1 1/4-10

CONTACTS-SOCKETS Part #ER 2406R-4SC

DIMENSIONS
in. mm
A 1.75 44.5
B 4.00 101.6
C 3.06 77.7
D 1 1/4-10

When ordering, please specify length and type of cable desired. This connector is NOT available unassembled.

SEAMAX

Underwater Connectors

Introduction Design Features Capabilities Contact

Type ER Type EB Type ERPB Type EC

TYPE ER III
With molded
key inserts

These connectors
are supplied with
Acme threads.

	Shell Size 34			Shell Size 36		Shell Size 44
	3 No. 12 (1,400 v), 13 No. 16 (600 v)	21 No. 16 (600 v)	13 No. 12, 15 No. 16	3 No. 2 (3,000 v), 1 No. 12 (600 v)	4 No. 2 (3,000 v), 3 No. 12 (600 v)	3 No. 0 (3,000 v), 1 No. 12 (600 v)
Shell 06 IN-LINE PLUG 	CONTACTS-SOCKETS Part #ER 3406-16S DIMENSIONS in. mm A 2.62 66.5 B 2.40 61.0 C 2.00 50.8 D 5.75 146.1 E 2.40 61.0 F 2 1/4-10	CONTACTS-SOCKETS Part #ER 3406-21S DIMENSIONS in. mm A 2.62 66.5 B 2.40 61.0 C 2.00 50.8 D 5.75 146.1 E 2.40 61.0 F 2 1/4-10	CONTACTS-SOCKETS Part #ER 3406-28S DIMENSIONS in. mm A 2.62 66.5 B 2.40 61.0 C 2.00 50.8 D 5.75 146.1 E 2.40 61.0 F 2 1/4-10	CONTACTS-SOCKETS Part #ER 3606-4S DIMENSIONS in. mm A 2.60 66.0 B 4.00 101.6 C 2.00 50.8 D 6.00 152.4 E 2.50 63.5 F 2 1/4-12	CONTACTS-SOCKETS Part #ER 3606-7S DIMENSIONS in. mm A 2.60 66.0 B 4.00 101.6 C 2.00 50.8 D 6.00 152.4 E 2.50 63.5 F 2 1/4-12	CONTACTS-SOCKETS Part #ER 4406-4S DIMENSIONS in. mm A 3.00 76.2 B 4.00 101.6 C 2.37 60.2 D 6.00 152.4 E 2.87 72.9 F 2 1/4-12
Mates with Receptacles 01, 02, 07	When ordering, please specify length and type of cable desired. For connectors ordered unassembled, molded backshells are not included.					
Shell 01 IN-LINE RECEPTACLE 	CONTACTS-PINS Part #ER 3401-16P DIMENSIONS in. mm A 2.30 58.4 B 2.00 50.8 C 5.75 146.1 D 2.40 61.0 E 2 1/4-10	CONTACTS-PINS Part #ER 3401-21P DIMENSIONS in. mm A 2.30 58.4 B 2.00 50.8 C 5.75 146.1 D 2.40 61.0 E 2 1/4-10	CONTACTS-PINS Part #ER 3401-28P DIMENSIONS in. mm A 2.30 58.4 B 2.00 50.8 C 5.75 146.1 D 2.40 61.0 E 2 1/4-10	CONTACTS-PINS Part #ER 3601-4P DIMENSIONS in. mm A 3.50 88.9 B 2.12 53.8 C 6.00 152.4 D 2.40 61.0 E 2 1/4-12	CONTACTS-PINS Part #ER 3601-7P DIMENSIONS in. mm A 3.50 88.9 B 2.12 53.8 C 6.00 152.4 D 2.40 61.0 E 2 1/4-12	CONTACTS-PINS Part #ER 4401-4P DIMENSIONS in. mm A 3.50 88.9 B 2.50 63.5 C 6.00 152.4 D 2.80 71.1 E 2 1/4-12
Mates with Plugs 06, 06R, 11	When ordering, please specify length and type of cable desired. For connectors ordered unassembled, molded backshells are not included.					
Shell 11 PANEL-MOUNTED PLUG 	CONTACTS-SOCKETS Part #ER 3411-16S DIMENSIONS in. mm A 2.12 53.8 B 2.75 69.9 C 2.40 61.0 D 2.90 73.7 E 1.62 41.1 F .38 9.7 G 2 1/4-10	CONTACTS-SOCKETS Part #ER 3411-21S DIMENSIONS in. mm A 2.12 53.8 B 2.75 69.9 C 2.40 61.0 D 2.90 73.7 E 1.62 41.1 F .38 9.7 G 2 1/4-10	CONTACTS-SOCKETS Part #ER 3411-28S DIMENSIONS in. mm A 2.12 53.8 B 2.75 69.9 C 2.40 61.0 D 2.90 73.7 E 1.62 41.1 F .38 9.7 G 2 1/4-10	AVAILABLE AS A SPECIAL ORDER ITEM ONLY	AVAILABLE AS A SPECIAL ORDER ITEM ONLY	AVAILABLE AS A SPECIAL ORDER ITEM ONLY
Mates with Receptacle 01	This connector is supplied with Teflon® insulated pigtails. Unless otherwise specified, pigtail length is 24 inches.					
Shell 02 PANEL-MOUNTED RECEPTACLE 	CONTACTS-PINS Part #ER 3402-16P DIMENSIONS in. mm A 2.12 53.8 B 2.75 69.9 C 1.50 38.1 D 2.00 50.8 E 1.62 41.1 F .38 9.7 G 2 1/4-10	CONTACTS-PINS Part #ER 3402-21P DIMENSIONS in. mm A 2.12 53.8 B 2.75 69.9 C 1.50 38.1 D 2.00 50.8 E 1.62 41.1 F .38 9.7 G 2 1/4-10	CONTACTS-PINS Part #ER 3402-28P DIMENSIONS in. mm A 2.12 53.8 B 2.75 69.9 C 1.50 38.1 D 2.00 50.8 E 1.62 41.1 F .38 9.7 G 2 1/4-10	CONTACTS-PINS Part #ER 3602-4P DIMENSIONS in. mm A 2.12 53.8 B 2.75 69.9 C 2.62 66.5 D 3.50 88.9 E 2.00 50.8 F .38 9.7 G 2 1/4-12	CONTACTS-PINS Part #ER 3602-7P DIMENSIONS in. mm A 2.12 53.8 B 2.75 69.9 C 2.62 66.5 D 3.50 88.9 E 2.00 50.8 F .38 9.7 G 2 1/4-12	CONTACTS-PINS Part #ER 4402-4P DIMENSIONS in. mm A 2.50 63.5 B 3.12 79.2 C 3.75 95.3 D 5.25 133.4 E 2.50 63.5 F .38 9.7 G 2 1/4-12
Mates with Plugs 06, 06R	This connector is supplied with Teflon® insulated pigtails. Unless otherwise specified, pigtail length is 24 inches.					
Shell 07 PANEL-MOUNTED RECEPTACLE 	CONTACTS-PINS Part #ER 3407-16P DIMENSIONS in. mm A 2.25 57.2 B 1.50 38.1 C 2.00 50.8 D 2 1/4-10 E 1 1/4-12	CONTACTS-PINS Part #ER 3407-21P DIMENSIONS in. mm A 2.25 57.2 B 1.50 38.1 C 2.00 50.8 D 2 1/4-10 E 1 1/4-12	CONTACTS-PINS Part #ER 3407-28P DIMENSIONS in. mm A 2.25 57.2 B 1.50 38.1 C 2.00 50.8 D 2 1/4-10 E 1 1/4-12	CONTACTS-PINS Part #ER 3607-4P DIMENSIONS in. mm A 2.50 63.5 B 2.62 66.5 C 3.50 88.9 D 2 1/4-12 E 2-12	CONTACTS-PINS Part #ER 3607-7P DIMENSIONS in. mm A 2.50 63.5 B 2.62 66.5 C 3.50 88.9 D 2 1/4-12 E 2-12	CONTACTS-PINS Part #ER 4407-4P DIMENSIONS in. mm A 3.00 76.2 B 3.50 88.9 C 4.50 114.3 D 2 1/4-12 E 2 1/4-12
Mates with Plugs 06, 06R	This connector is supplied with Teflon® insulated pigtails. Unless otherwise specified, pigtail length is 24 inches.					
Shell 06R RIGHT-ANGLED PLUG 	CONTACTS-SOCKETS Part #ER 3406R-16S DIMENSIONS in. mm A 2.62 66.5 B 5.00 127.0 C 3.70 94.0 D 2 1/4-10	CONTACTS-SOCKETS Part #ER 3406R-21S DIMENSIONS in. mm A 2.62 66.5 B 5.00 127.0 C 3.70 94.0 D 2 1/4-10	CONTACTS-SOCKETS Part #ER 3406R-28S DIMENSIONS in. mm A 2.62 66.5 B 5.00 127.0 C 3.70 94.0 D 2 1/4-10	AVAILABLE AS A SPECIAL ORDER ITEM ONLY	AVAILABLE AS A SPECIAL ORDER ITEM ONLY	AVAILABLE AS A SPECIAL ORDER ITEM ONLY
Mates with Receptacles 01, 02, 07	When ordering, please specify length and type of cable desired. This connector is NOT available unassembled.					

SEAMAX

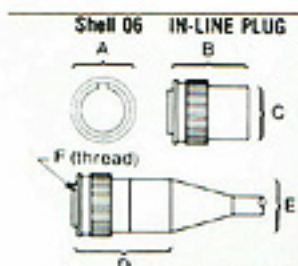
Underwater Connectors

Introduction Design Features Capabilities

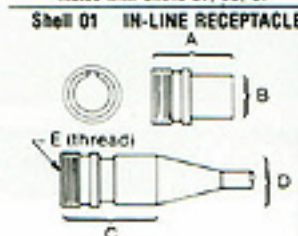
Type ER Type ERPB Type EC Contact

TYPE EB With machined key inserts

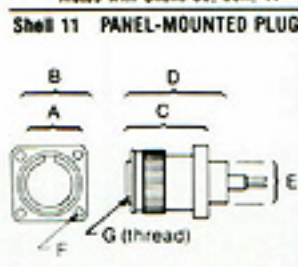
Connectors with size 16 shells are supplied with V-threads. All others are supplied with Acme threads.



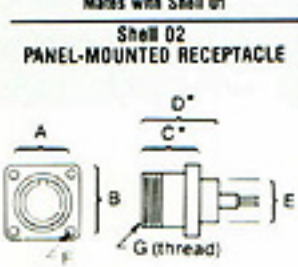
Mates with Shells 01, 02, 07



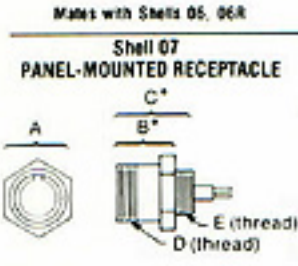
Mates with Shells 06, 06R, 11



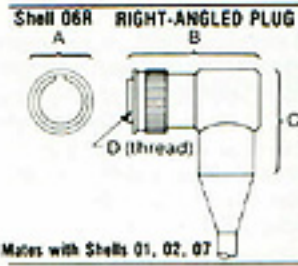
Mates with Shell 01







Mates with Shells 06, 06R



Mates with Shells 06, 06R



Mates with Shells 01, 02, 07

Shell Size 16	Shell Size 24	Shell Size 34	Shell Size 46		
					
3 No. 16 (600 v)	4 No. 16 (600 v)	1 No. 12 50-Ω coax	19 No. 16 (600 v)		
CONTACTS-PINS Part #EB 1606-3P CONTACTS-SOCKETS Part #EB 1606-3S DIMENSIONS in. mm. A 1.18 30.0 B 1.75 44.5 C .82 20.8 D 2.40 61.0 E 1.15 29.2 F 1-14	CONTACTS-PINS Part #EB 1606-4P CONTACTS-SOCKETS Part #EB 1606-4S DIMENSIONS in. mm. A 1.18 30.0 B 1.75 44.5 C .82 20.8 D 2.40 61.0 E 1.15 29.2 F 1-14	CONTACTS-SOCKETS Part #EB 2406-1SC DIMENSIONS in. mm. A 1.75 44.5 B 2.30 58.4 C 1.30 33.0 D 2.90 73.7 E 1.50 38.1 F 1½-10	CONTACTS-PINS Part #EB 2406-6P CONTACTS-SOCKETS Part #EB 2406-6S DIMENSIONS in. mm. A 1.75 44.5 B 2.30 58.4 C 1.30 33.0 D 2.90 73.7 E 1.50 38.1 F 1½-10	CONTACTS-PINS Part #EB 3406-19P CONTACTS-SOCKETS Part #EB 3406-19S DIMENSIONS in. mm. A 2.63 66.8 B 2.40 61.0 C 2.00 50.8 D 2.90 73.7 E 2.40 61.0 F 2½-10	CONTACTS-PINS Part #EB 4606-37P CONTACTS-SOCKETS Part #EB 4606-37S DIMENSIONS in. mm. A 3.50 88.9 B 2.53 64.3 C 2.68 68.1 D 3.00 76.2 E 3.10 78.7 F 2½-12
When ordering, please specify length and type of cable desired. For connectors ordered unassembled, molded backshells are not included.					
CONTACTS-PINS Part #EB 1601-3P CONTACTS-SOCKETS Part #EB 1601-3S DIMENSIONS in. mm. A 2.00 50.8 B .88 22.4 C 2.90 73.7 D 1.15 29.2 E 1-14	CONTACTS-PINS Part #EB 1601-4P CONTACTS-SOCKETS Part #EB 1601-4S DIMENSIONS in. mm. A 2.00 50.8 B .88 22.4 C 2.90 73.7 D 1.15 29.2 E 1-14	CONTACTS-PINS Part #EB 2401-1PC DIMENSIONS in. mm. A 2.30 58.4 B 1.30 33.0 C 2.90 73.7 D 1.50 38.1 E 1½-10	CONTACTS-PINS Part #EB 2401-6P CONTACTS-SOCKETS Part #EB 2401-6S DIMENSIONS in. mm. A 2.30 58.4 B 1.30 33.0 C 2.90 73.7 D 1.50 38.1 E 1½-10	CONTACTS-PINS Part #EB 3401-19P CONTACTS-SOCKETS Part #EB 3401-19S DIMENSIONS in. mm. A 2.30 58.4 B 2.00 50.8 C 2.90 73.7 D 2.40 61.0 E 2½-10	CONTACTS-PINS Part #EB 4601-37P CONTACTS-SOCKETS Part #EB 4601-37S DIMENSIONS in. mm. A 2.75 69.9 B 2.50 63.5 C 3.90 99.0 D 3.00 76.2 E 2½-12
When ordering, please specify length and type of cable desired. For connectors ordered unassembled, molded backshells are not included.					
CONTACTS-PINS Part #EB 1611-3P CONTACTS-SOCKETS Part #EB 1611-3S DIMENSIONS in. mm. A 1.00 25.4 B 1.50 38.1 C 2.40 61.0 D 2.90 73.7 E .63 16.0 F .26 6.6 G 1-14	CONTACTS-PINS Part #EB 1611-4P CONTACTS-SOCKETS Part #EB 1611-4S DIMENSIONS in. mm. A 1.00 25.4 B 1.50 38.1 C 2.40 61.0 D 2.90 73.7 E .63 16.0 F .26 6.6 G 1-14	CONTACTS-SOCKETS Part #EB 2411-1SC DIMENSIONS in. mm. A 1.50 38.1 B 2.00 50.8 C 2.50 63.5 D 3.00 76.2 E 1.00 25.4 F .26 6.6 G 1½-10	CONTACTS-PINS Part #EB 2411-6P CONTACTS-SOCKETS Part #EB 2411-6S DIMENSIONS in. mm. A 1.50 38.1 B 2.00 50.8 C 2.50 63.5 D 3.00 76.2 E 1.00 25.4 F .26 6.6 G 1½-10	CONTACTS-PINS Part #EB 3411-19P CONTACTS-SOCKETS Part #EB 3411-19S DIMENSIONS in. mm. A 2.00 50.8 B 2.63 66.8 C 2.50 63.5 D 3.00 76.2 E 1.62 41.1 F .33 8.4 G 2½-10	CONTACTS-PINS Part #EB 4611-37P CONTACTS-SOCKETS Part #EB 4611-37S DIMENSIONS in. mm. A 2.87 72.9 B 3.50 88.9 C 2.50 63.5 D 3.00 76.2 E 1.62 41.1 F .33 8.4 G 2½-12
This connector is supplied with Teflon® insulated pigtails. Unless otherwise specified, pigtail length is 24 inches.					
CONTACTS-PINS Part #EB 1602-3P CONTACTS-SOCKETS Part #EB 1602-3S DIMENSIONS in. mm. A 1.00 25.4 B 1.50 38.1 C 1.25 31.8 D 1.75 44.5 E .63 16.0 F .26 6.6 G 1-14	CONTACTS-PINS Part #EB 1602-4P CONTACTS-SOCKETS Part #EB 1602-4S DIMENSIONS in. mm. A 1.00 25.4 B 1.50 38.1 C 1.25 31.8 D 1.75 44.5 E .63 16.0 F .26 6.6 G 1-14	CONTACTS-PINS Part #EB 2402-1PC DIMENSIONS in. mm. A 1.50 38.1 B 2.00 50.8 C 1.50 38.1 D 2.00 50.8 E 1.00 25.4 F .26 6.6 G 1½-10	CONTACTS-PINS Part #EB 2402-6P CONTACTS-SOCKETS Part #EB 2402-6S DIMENSIONS in. mm. A 1.50 38.1 B 2.00 50.8 C 1.50 38.1 D 2.00 50.8 E 1.00 25.4 F .26 6.6 G 1½-10	CONTACTS-PINS Part #EB 3402-19P CONTACTS-SOCKETS Part #EB 3402-19S DIMENSIONS in. mm. A 2.00 50.8 B 2.63 66.8 C 1.63 41.4 D 2.12 53.8 E 1.50 38.1 F .33 8.4 G 2½-10	CONTACTS-PINS Part #EB 4602-37P CONTACTS-SOCKETS Part #EB 4602-37S DIMENSIONS in. mm. A 2.75 69.9 B 3.50 88.9 C 1.75 44.5 D 2.25 57.2 E 2.36 59.9 F .38 9.7 G 2½-12
This connector is supplied with Teflon® insulated pigtails. Unless otherwise specified, pigtail length is 24 inches.					
CONTACTS-PINS Part #EB 1607-3P CONTACTS-SOCKETS Part #EB 1607-3S DIMENSIONS in. mm. A 1.00 25.4 B 1.25 31.8 C 1.75 44.5 D 1-14 E ½-18	CONTACTS-PINS Part #EB 1607-4P CONTACTS-SOCKETS Part #EB 1607-4S DIMENSIONS in. mm. A 1.00 25.4 B 1.25 31.8 C 1.75 44.5 D 1-14 E ½-18	CONTACTS-PINS Part #EB 2407-1PC DIMENSIONS in. mm. A 1.50 38.1 B 1.50 38.1 C 2.00 50.8 D 1½-10 E 1-14	CONTACTS-PINS Part #EB 2407-6P CONTACTS-SOCKETS Part #EB 2407-6S DIMENSIONS in. mm. A 1.50 38.1 B 1.50 38.1 C 2.00 50.8 D 1½-10 E 1-14	CONTACTS-PINS Part #EB 3407-19P CONTACTS-SOCKETS Part #EB 3407-19S DIMENSIONS in. mm. A 2.25 63.5 B 1.63 41.4 C 2.12 53.8 D 2½-10 E 1½-12	CONTACTS-PINS Part #EB 4607-37P CONTACTS-SOCKETS Part #EB 4607-37S DIMENSIONS in. mm. A 2.87 72.9 B 1.75 44.5 C 2.25 57.2 D 2½-12 E 2½-12
This connector is supplied with Teflon® insulated pigtails. Unless otherwise specified, pigtail length is 24 inches.					
CONTACTS-PINS Part #EB 1606R-3P CONTACTS-SOCKETS Part #EB 1606R-3S DIMENSIONS in. mm. A 1.18 30.0 B 2.50 63.5 C 2.12 53.8 D 1-14	CONTACTS-PINS Part #EB 1606R-4P CONTACTS-SOCKETS Part #EB 1606R-4S DIMENSIONS in. mm. A 1.18 30.0 B 2.50 63.5 C 2.12 53.8 D 1-14	CONTACTS-SOCKETS Part #EB 2406R-1SC DIMENSIONS in. mm. A 1.75 44.5 B 4.00 101.6 C 3.06 77.7 D 1½-10	CONTACTS-PINS Part #EB 2406R-6P CONTACTS-SOCKETS Part #EB 2406R-6S DIMENSIONS in. mm. A 1.75 44.5 B 4.00 101.6 C 3.06 77.7 D 1½-10	CONTACTS-PINS Part #EB 3406R-19P CONTACTS-SOCKETS Part #EB 3406R-19S DIMENSIONS in. mm. A 2.63 66.8 B 5.00 127.0 C 3.70 94.0 D 2½-10	CONTACTS-PINS Part #EB 4606R-37P CONTACTS-SOCKETS Part #EB 4606R-37S DIMENSIONS in. mm. A 3.50 88.9 B 5.00 127.0 C 3.70 94.0 D 2½-12
When ordering, please specify length and type of cable desired. This connector is NOT available unassembled.					

When ordering, please specify length and type of cable desired. This connector is NOT available unassembled.



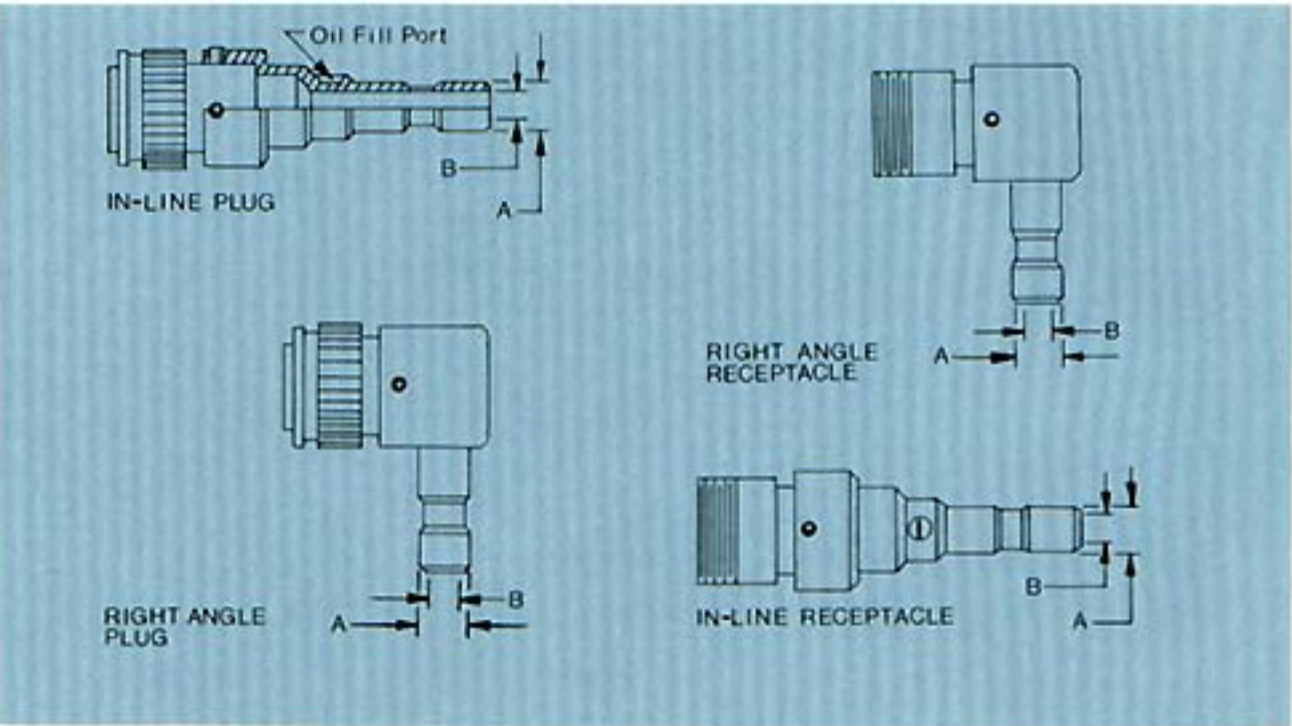
Underwater Connectors

Introduction Design Features Capabilities
Type ER Type ERPB Type EC Contact





TYPE ERPB
With molded key inserts

Connectors for Oil-Filled
Cables

When underwater engineering projects demand the characteristics of oil-filled cable assemblies, SEAMAX connectors are the answer. SEAMAX oil-filled cable systems provide the greatest possible reliability. Our oil-filled systems are also designed to permit easy assembly and repair of cables on site. SEAMAX connectors for oil-filled cables are built using the same proven techniques used in our ER and E6 series of connectors. Connector bodies are supplied with backshells machined from stainless steel or anodized aluminum. Backshells mate with standard sizes of oil-fill tubing for the construction of pressure compensated, oil-filled cable assemblies.



[Next Page -->](#)

Shell Size 20				
				
	1 No. 16	3 No. 16	4 No. 16	6 No. 16
In-Line Plug (Sockets)	Part No. ERPB 2006-1S	Part No. ERPB 2006-3S	Part No. ERPB 2006-4S	Part No. ERPB 2006-6S
Right Angle Plug (Sockets)	Part No. ERPB 2006R-1S	Part No. ERPB 2006R-3S	Part No. ERPB 2006R-4S	Part No. ERPB 2006R-6S
In-Line Receptacle (Pins)	Part No. ERPB 2001-1P	Part No. ERPB 2001-3P	Part No. ERPB 2001-4P	Part No. ERPB 2001-6P
Right Angle Receptacle (Pins)	Part No. ERPB 2001R-1P	Part No. ERPB 2001R-3P	Part No. ERPB 2001R-4P	Part No. ERPB 2001R-6P
	DIMENSIONS	DIMENSIONS	DIMENSIONS	DIMENSIONS
	inl. mm.	inl. mm.	inl. mm.	inl. mm.
A	.672 17.1	.672 17.1	.672 17.1	.672 17.1
B	.438 11.1	.438 11.1	.438 11.1	.438 11.1



SEAMAX CONNECTORS FOR OIL-FILLED CABLES

Pictured here is an in-line plug and an in-line receptacle designed to be used with oil-filled pressure balanced cables. Oil-filled metal backshells are secured to connector bodies by set screws. Rubber O-rings provide the seals between the connector bodies and the backshells. Connectors shown here are an ERPB 3401-16P and an ERPB 3406-16S in stainless steel.






SEAMAX






Underwater Connectors






Introduction Design Features Capabilities
Type ER Type ERPB Type EC Contact

TYPE ERPB II
With molded
key inserts

OIL-FILLED CABLES

Shell Size 24					
In-Line Plug (Sockets) Right Angle Plug (Sockets) In-Line Receptacle (Pins) Right Angle Receptacle (Pins)					
	3 No. 10	4 No. 10	3 No. 12 2 No. 16	8 No. 12	12 No. 16
	Part No. ERPB 2406-3S ERPB 2406R-3S ERPB 2401-3P ERPB 2401R-3P	Part No. ERPB 2406-4S ERPB 2406R-4S ERPB 2401-4P ERPB 2401R-4P	Part No. ERPB 2406-5S ERPB 2406R-5S ERPB 2401-5P ERPB 2401R-5P	Part No. ERPB 2406-8S ERPB 2406R-8S ERPB 2401-8P ERPB 2401R-8P	Part No. ERPB 2406-12S ERPB 2406R-12S ERPB 2401-12P ERPB 2401R-12P
	DIMENSIONS in. mm. A .844 21.4 B .625 15.9	DIMENSIONS in. mm. A .844 21.4 B .625 15.9	DIMENSIONS in. mm. A .672 17.1 B .500 12.7	DIMENSIONS in. mm. A .672 17.1 B .500 12.7	DIMENSIONS in. mm. A .672 17.1 B .500 12.7

Shell Size 34			Shell Size 36		
In-Line Plug (Sockets) Right Angle Plug (Sockets) In-Line Receptacle (Pins) Right Angle Receptacle (Pins)					
	3 No. 12 13 No. 16	21 No. 16	13 No. 12 15 No. 16	3 No. 2 1 No. 12	4 No. 2 3 No. 12
	Part No. ERPB 3406-16S ERPB 3406R-16S ERPB 3401-16P ERPB 3401R-16P	Part No. ERPB 3406-21S ERPB 3406R-21S ERPB 3401-21P ERPB 3401R-21P	Part No. ERPB 3406-28S ERPB 3406R-28S ERPB 3401-28P ERPB 3401R-28P	Part No. ERPB 3606-4S ERPB 3606R-4S ERPB 3601-4P ERPB 3601R-4P	Part No. ERPB 3606-7S ERPB 3606R-7S ERPB 3601-7P ERPB 3601R-7P
	DIMENSIONS in. mm. A .844 21.4 B .625 15.9	DIMENSIONS in. mm. A .844 21.4 B .625 15.9	DIMENSIONS in. mm. A 1.000 25.4 B .825 21.0	DIMENSIONS in. mm. A 1.250 31.8 B 1.060 26.7	DIMENSIONS in. mm. A 1.250 31.8 B 1.060 26.7

Shell Size 16		Shell Size 24		Shell Size 34	Shell Size 46
In-Line Plug (Sockets) In-Line Plug (Pins) Right Angle Plug (Sockets) Right Angle Plug (Pins) In-Line Receptacle (Pins) In-Line Receptacle (Sockets) Right Angle Receptacle (Pins) Right Angle Receptacle (Sockets)					
	3 No. 16	4 No. 16	1 No. 12 50 Ohm COAX	6 No. 16	19 No. 16
	Part No. EBPB 1606-3S EBPB 1606-3P EBPB 1606R-3S EBPB 1606R-3P	Part No. EBPB 1606-4S EBPB 1606-4P EBPB 1606R-4S EBPB 1606R-4P	Part No. EBPB 1606-1SC EBPB 1606R-1SC	Part No. EBPB 2406-6S EBPB 2406-6P EBPB 2406R-6S EBPB 2406R-6P	Part No. EBPB 3406-19S EBPB 3406-19P EBPB 3406R-19S EBPB 3406R-19P
	DIMENSIONS in. mm. A .406 10.3 B .312 7.9	DIMENSIONS in. mm. A .406 10.3 B .312 7.9	DIMENSIONS in. mm. A .672 17.1 B .500 12.7	DIMENSIONS in. mm. A .672 17.1 B .500 12.7	DIMENSIONS in. mm. A .844 21.4 B .625 15.9

SEAMAX

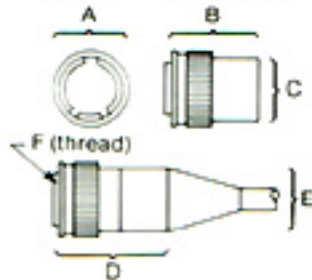
Underwater Connectors

Introduction Design Features Capabilities
Type ER Type ERPB Type EC Contact

TYPE EC With machined key inserts

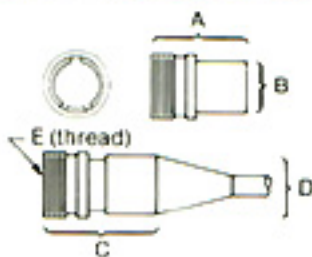
Connectors with size 16 shells are supplied with V-threads. Size 24 shells are supplied with Acme threads.

Shell 06 IN-LINE PLUG



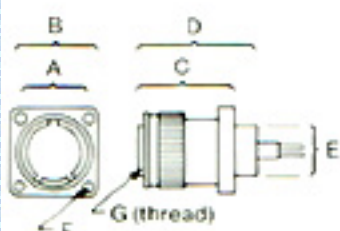
Mates with Receptacles 01, 02, 07

Shell 01 IN-LINE RECEPTACLE



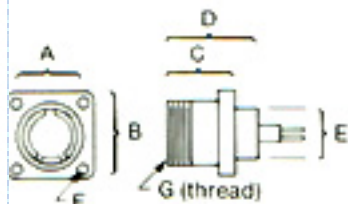
Mates with Plugs 06, 06R, 11

Shell 11 PANEL-MOUNTED PLUG



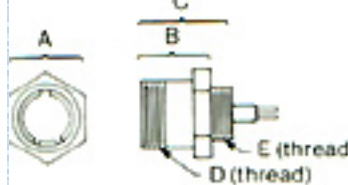
Mates with Receptacle 01

Shell 02 PANEL-MOUNTED RECEPTACLE



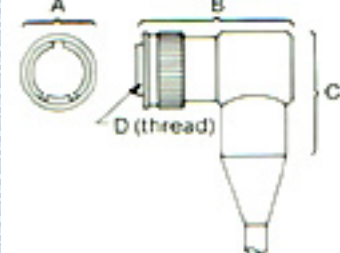
Mates with Plugs 06, 06R

Shell 07 PANEL-MOUNTED RECEPTACLE



Mates with Plugs 06, 06R

Shell 06R RIGHT-ANGLED PLUG



Mates with Receptacles 01, 02, 07

Shell Size 16



10 No. 20 CONTACTS
(600 v)

CONTACTS-PINS
Part #EC 1606-10P
CONTACTS-SOCKETS
Part #EC 1606-10S
DIMENSIONS
in. mm.
A 1.18 30.0
B 2.71 68.8
C .75 19.0
D 3.00 76.2
E 1.13 28.7
F 1-14



14 No. 20 CONTACTS
(600 v)

CONTACTS-PINS
Part #EC 1606-14P
CONTACTS-SOCKETS
Part #EC 1606-14S
DIMENSIONS
in. mm.
A 1.18 30.0
B 2.71 68.8
C .75 19.0
D 3.00 76.2
E 1.13 28.7
F 1-14



16 No. 16 CONTACTS
(1,000 v)

CONTACTS-PINS
Part #EC 2406-16P
CONTACTS-SOCKETS
Part #EC 2406-16S
DIMENSIONS
in. mm.
A 1.75 44.5
B 3.60 91.4
C 1.25 31.8
D 3.50 88.9
E 1.73 43.9
F 1 1/2-10



2 No. 16 CONTACTS,
37 No. 20 CONTACTS

CONTACTS-PINS
Part #EC 2406-39P
CONTACTS-SOCKETS
Part #EC 2406-39S
DIMENSIONS
in. mm.
A 1.75 44.5
B 3.60 91.4
C 1.25 31.8
D 3.50 88.9
E 1.73 43.9
F 1 1/2-10



41 No. 20 CONTACTS
(600 v)

CONTACTS-PINS
Part #EC 2406-41P
CONTACTS-SOCKETS
Part #EC 2406-41S
DIMENSIONS
in. mm.
A 1.75 44.5
B 3.60 91.4
C 1.25 31.8
D 3.50 88.9
E 1.73 43.9
F 1 1/2-10

When ordering, please specify length and type of cable desired.
For connectors ordered unassembled, molded backshells are not included.

CONTACTS-PINS
Part #EC 1601-10P
CONTACTS-SOCKETS
Part #EC 1601-10S
DIMENSIONS
in. mm.
A 2.50 63.5
B .75 19.1
C 2.75 69.9
D 1.13 28.7
E 1-14

CONTACTS-PINS
Part #EC 1601-14P
CONTACTS-SOCKETS
Part #EC 1601-14S
DIMENSIONS
in. mm.
A 2.50 63.5
B .75 19.1
C 2.75 69.9
D 1.13 28.7
E 1-14

CONTACTS-PINS
Part #EC 2401-16P
CONTACTS-SOCKETS
Part #EC 2401-16S
DIMENSIONS
in. mm.
A 2.80 71.1
B 1.25 31.8
C 3.00 76.2
D 1.73 43.9
E 1 1/2-10

CONTACTS-PINS
Part #EC 2401-39P
CONTACTS-SOCKETS
Part #EC 2401-39S
DIMENSIONS
in. mm.
A 2.80 71.1
B 1.25 31.8
C 3.00 76.2
D 1.73 43.9
E 1 1/2-10

CONTACTS-PINS
Part #EC 2401-41P
CONTACTS-SOCKETS
Part #EC 2401-41S
DIMENSIONS
in. mm.
A 2.80 71.1
B 1.25 31.8
C 3.00 76.2
D 1.73 43.9
E 1 1/2-10

When ordering, please specify length and type of cable desired.
For connectors ordered unassembled, molded backshells are not included.

CONTACTS-PINS
Part #EC 1611-10P
CONTACTS-SOCKETS
Part #EC 1611-10S
DIMENSIONS
in. mm.
A 1.00 25.4
B 1.50 38.1
C 2.88 73.2
D 3.00 76.2
E .63 16.0
F .26 6.6
G 1-14

CONTACTS-PINS
Part #EC 1611-14P
CONTACTS-SOCKETS
Part #EC 1611-14S
DIMENSIONS
in. mm.
A 1.00 25.4
B 1.50 38.1
C 2.88 73.2
D 3.00 76.2
E .63 16.0
F .26 6.6
G 1-14

CONTACTS-PINS
Part #EC 2411-16P
CONTACTS-SOCKETS
Part #EC 2411-16S
DIMENSIONS
in. mm.
A 1.50 38.1
B 2.00 50.8
C 3.16 80.3
D 3.28 83.3
E 1.00 25.4
F .26 6.6
G 1 1/2-10

CONTACTS-PINS
Part #EC 2411-39P
CONTACTS-SOCKETS
Part #EC 2411-39S
DIMENSIONS
in. mm.
A 1.50 38.1
B 2.00 50.8
C 3.16 80.3
D 3.28 83.3
E 1.00 25.4
F .26 6.6
G 1 1/2-10

CONTACTS-PINS
Part #EC 2411-41P
CONTACTS-SOCKETS
Part #EC 2411-41S
DIMENSIONS
in. mm.
A 1.50 38.1
B 2.00 50.8
C 3.16 80.3
D 3.28 83.3
E 1.00 25.4
F .26 6.6
G 1 1/2-10

This connector is supplied with Teflon® insulated pigtails. Unless otherwise specified, pigtail length is 24 inches.

CONTACTS-PINS
Part #EC 1602-10P
CONTACTS-SOCKETS
Part #EC 1602-10S
DIMENSIONS
in. mm.
A 1.00 25.4
B 1.50 38.1
C 1.63 41.4
D 2.13 54.1
E .63 16.0
F .26 6.6
G 1-14

CONTACTS-PINS
Part #EC 1602-14P
CONTACTS-SOCKETS
Part #EC 1602-14S
DIMENSIONS
in. mm.
A 1.00 25.4
B 1.50 38.1
C 1.63 41.4
D 2.13 54.1
E .63 16.0
F .26 6.6
G 1-14

CONTACTS-PINS
Part #EC 2402-16P
CONTACTS-SOCKETS
Part #EC 2402-16S
DIMENSIONS
in. mm.
A 1.50 38.1
B 2.00 50.8
C 2.15 54.6
D 2.65 67.3
E 1.00 25.4
F .26 6.6
G 1 1/2-10

CONTACTS-PINS
Part #EC 2402-39P
CONTACTS-SOCKETS
Part #EC 2402-39S
DIMENSIONS
in. mm.
A 1.50 38.1
B 2.00 50.8
C 2.15 54.6
D 2.65 67.3
E 1.00 25.4
F .26 6.6
G 1 1/2-10

CONTACTS-PINS
Part #EC 2402-41P
CONTACTS-SOCKETS
Part #EC 2402-41S
DIMENSIONS
in. mm.
A 1.50 38.1
B 2.00 50.8
C 2.15 54.6
D 2.65 67.3
E 1.00 25.4
F .26 6.6
G 1 1/2-10

This connector is supplied with Teflon® insulated pigtails. Unless otherwise specified, pigtail length is 24 inches.

CONTACTS-PINS
Part #EC 1607-10P
CONTACTS-SOCKETS
Part #EC 1607-10S
DIMENSIONS
in. mm.
A 1.13 28.6
B 1.63 41.3
C 2.13 54.1
D 1-14
E 5/8-18

CONTACTS-PINS
Part #EC 1607-14P
CONTACTS-SOCKETS
Part #EC 1607-14S
DIMENSIONS
in. mm.
A 1.13 28.6
B 1.63 41.3
C 2.13 54.1
D 1-14
E 5/8-18

CONTACTS-PINS
Part #EC 2407-16P
CONTACTS-SOCKETS
Part #EC 2407-16S
DIMENSIONS
in. mm.
A 1.50 38.1
B 2.15 54.6
C 2.65 67.3
D 1 1/2-10
E 1-14

CONTACTS-PINS
Part #EC 2407-39P
CONTACTS-SOCKETS
Part #EC 2407-39S
DIMENSIONS
in. mm.
A 1.50 38.1
B 2.15 54.6
C 2.65 67.3
D 1 1/2-10
E 1-14

CONTACTS-PINS
Part #EC 2407-41P
CONTACTS-SOCKETS
Part #EC 2407-41S
DIMENSIONS
in. mm.
A 1.50 38.1
B 2.15 54.6
C 2.65 67.3
D 1 1/2-10
E 1-14

This connector is supplied with Teflon® insulated pigtails. Unless otherwise specified, pigtail length is 24 inches.

CONTACTS-PINS
Part #EC 1606R-10P
CONTACTS-SOCKETS
Part #EC 1606R-10S
DIMENSIONS
in. mm.
A 1.18 30.0
B 3.00 76.2
C 2.50 63.5
D 1-14

CONTACTS-PINS
Part #EC 1606R-14P
CONTACTS-SOCKETS
Part #EC 1606R-14S
DIMENSIONS
in. mm.
A 1.18 30.0
B 3.00 76.2
C 2.50 63.5
D 1-14

CONTACTS-PINS
Part #EC 2406R-16P
CONTACTS-SOCKETS
Part #EC 2406R-16S
DIMENSIONS
in. mm.
A 1.75 44.5
B 3.50 88.9
C 3.00 76.2
D 1 1/2-10

CONTACTS-PINS
Part #EC 2406R-39P
CONTACTS-SOCKETS
Part #EC 2406R-39S
DIMENSIONS
in. mm.
A 1.75 44.5
B 3.50 88.9
C 3.00 76.2
D 1 1/2-10

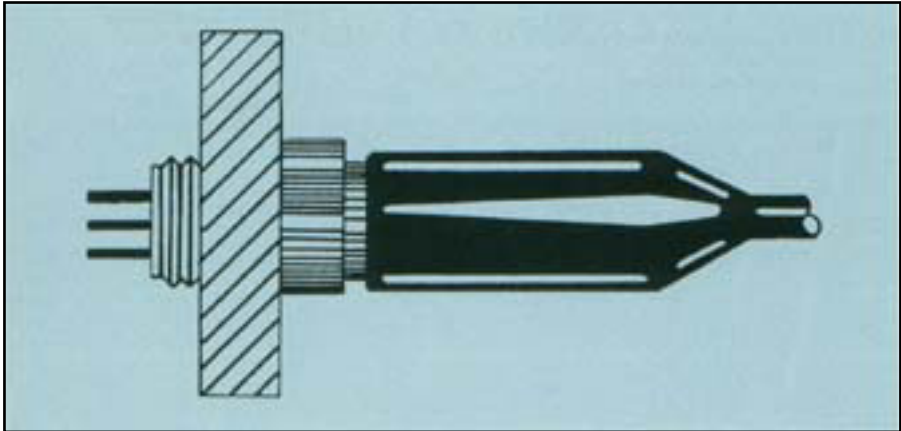
CONTACTS-PINS
Part #EC 2406R-41P
CONTACTS-SOCKETS
Part #EC 2406R-41S
DIMENSIONS
in. mm.
A 1.75 44.5
B 3.50 88.9
C 3.00 76.2
D 1 1/2-10

When ordering, please specify length and type of cable desired. This connector is NOT available unassembled.

Underwater Systems has Capabilities for Special Undersea Designs

Whenever there are unique requirements which cannot be addressed by the off-the shelf components shown on these pages, our connector design engineers are ready to meet your unique requirements. Whether your needs call for a special connector or a complex underwater assembly, our engineers have the experience to design the system you need. Underwater Systems capabilities include the following:

- Full responsibility for cable and connectors from one company
- Designing connectors with unusual geometric specification to accommodate special equipment
- Designing connectors with special materials for low magnetic permeability corrosion resistance, reduced weight, or high mechanical strength.
- Designing armored terminations for load bearing cable assemblies.
- Designing connectors with robotic disconnect capabilities.



PENETRATOR ASSEMBLIES

Underwater Systems manufactures both standard and customized assemblies for electrical penetration of pressure vessels. Standard assemblies are suitable for depths of 3,000 feet. Penetration assemblies to withstand higher pressures and high temperatures may also be ordered.



SUBMERSIBLE RIG ASSEMBLY

This assembly is used as part of the control system on an offshore drilling platform. The rightangle connector is terminated to steel-armored, water-blocked cable.

UNDERWATER SYSTEMS INC.



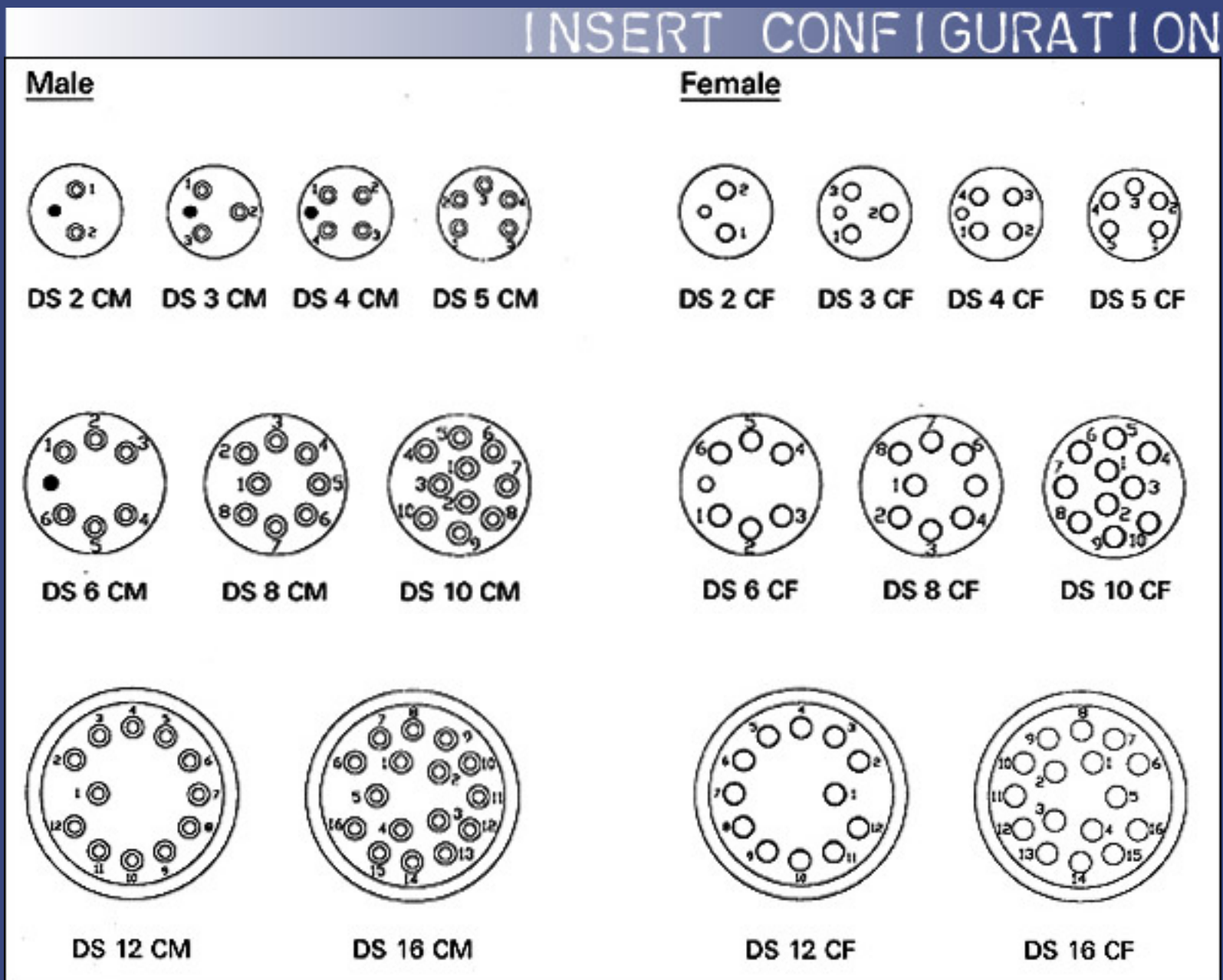
DELTA SERIES UNDERWATER CONNECTORS

[Insert Configuration](#) | [Attachments](#) | [Ordering](#)

©2000, Underwatersystems.com,
11352 Western Ave. STANTON, CA 90680
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E Mail: info@underwatersystems.com

DELTA SERIES UNDERWATER CONNECTORS

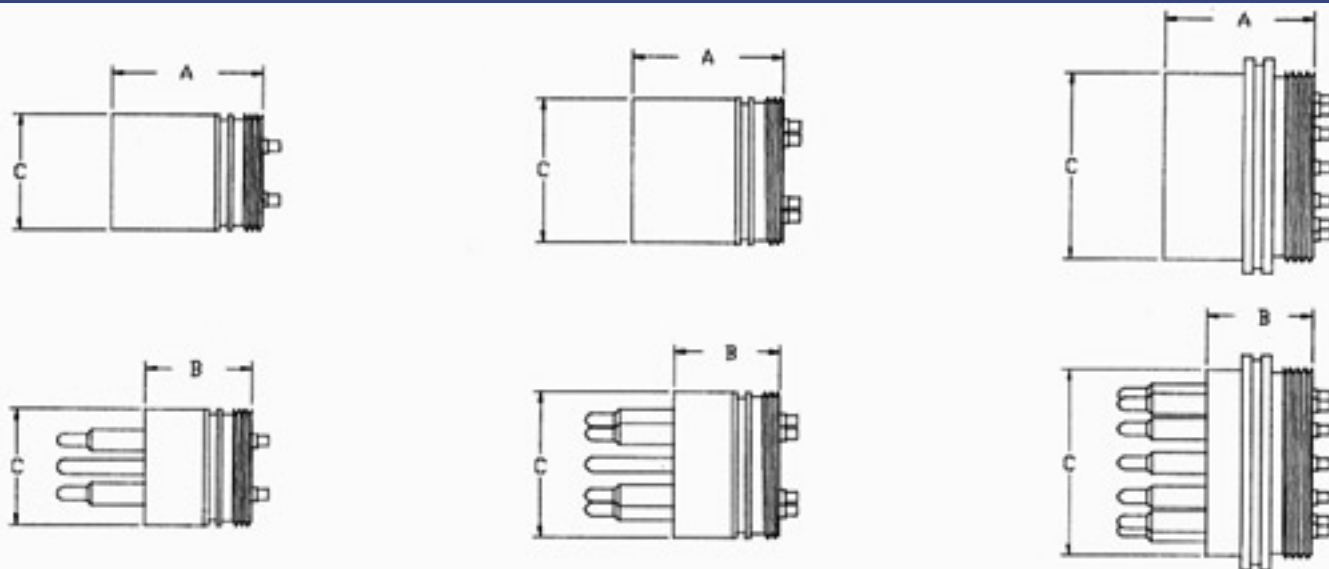
Underwater Systems is pleased to introduce the Delta Underwater Connector Series. Delta Connectors' innovative new design provides full modularity between connector shell and insert. This 'mix and match' approach to connector specification allows for our customers to maximize their inventory control while providing a robust means by which changing application requirements can be met.



[Insert Configuration](#) | [Attachments](#) | [Ordering](#)

DELTA SERIES UNDERWATER CONNECTORS

DELTA SERIES INSERTS



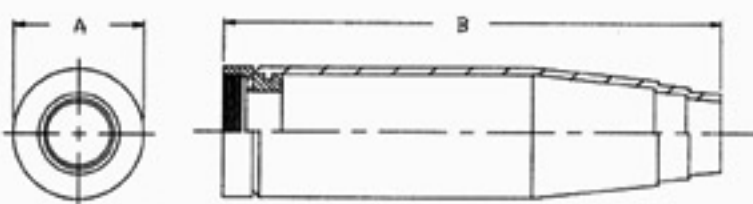
20 Size Shell		
	inch	mm
A	1,275	32,4
B	0,900	22,9
C	ø 1,00	ø 25,4

24 Size Shell		
	inch	mm
A	1,275	32,4
B	0,900	22,9
C	ø 1,25	ø 31,7

34 Size Shell		
	inch	mm
A	1,275	32,4
B	0,900	22,9
C	ø 1,60	ø 40,6

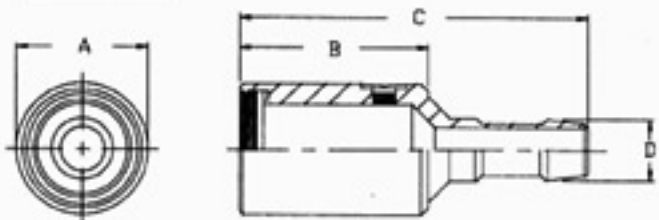
ATTACHMENTS

Field Installable



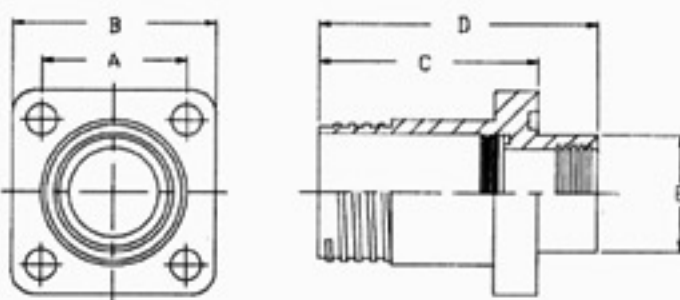
	DS 20 FI		DS 24 FI		DS 34 FI	
	inch	mm	inch	mm	inch	mm
A	ø 1,125	ø 28,6	ø 1,375	ø 34,9	ø 1,875	ø 47,6
B	4,00	101,6	4,00	101,6	4,00	101,6

Oil Filled



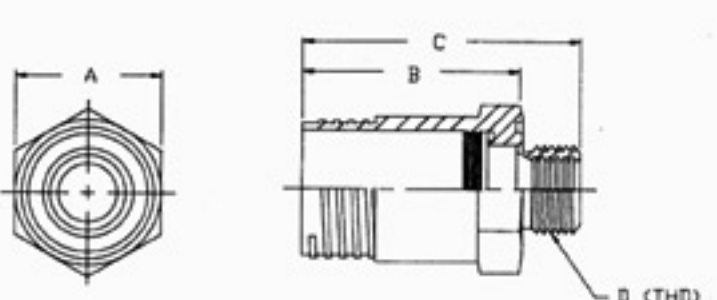
DS 20 OF		DS 24 OF		DS 34 OF	
inch	mm	inch	mm	inch	mm
A	ø 1,125 ø 28,6	ø 1,375 ø 34,9	ø 1,875 ø 47,6		
B	1,61 40,9	1,485 37,7	1,235 31,4		
C	2,977 75,6	2,976 75,6	2,977 75,6		
D	ø 0,523 ø 13,3	ø 0,586 ø 14,9	ø 0,5625 ø 14,3		

Panel Mount Bolting Flange



	DS 20 11		DS 24 11		DS 34 11	
	inch	mm	inch	mm	inch	mm
A	1,25	31,7	1,50	38,1	2,12	53,8
B	1,75	44,4	2,00	50,8	2,75	69,8
C	1,875	47,6	1,875	47,6	1,875	47,6
D	2,375	60,3	2,375	60,3	2,375	60,3
E	ø 100	ø 25,4	ø 1,00	ø 25,4	ø 1,50	ø 38,1

Panel Mount Hex Flange



	DS 20 07		DS 24 07		DS 34 07	
	inch	mm	inch	mm	inch	mm
A	1,25	31,7	1,50	38,1	2,25	57,1
B	1,875	47,6	1,887	47,9	1,875	47,6
C	2,375	60,3	2,387	60,6	2,375	60,3
D	3/4-16		1-14		1 5/8-12	

[Insert Configuration](#) | [Attachments](#) | [Ordering](#)

DELTA SERIES UNDERWATER CONNECTORS

ORDERING ASSISTANCE

DS 2 C M + DS 20 07

**Number of
contacts**

"C" is circular

"M" is male (pins)

**"F" is female
(sockets)**

Attachment Style

**"07" Panel Mount Hex
Flange**

**"11" Panel Mount
Bolting Flange**

"FI" Field Installable

"OF" Oil Filled

**Physical size of the
attachment**

SPECIFICATIONS

Pressure rating 10,000 psi (700 Bar)

Voltage rating 240 V AC

Current rating 15A

MATERIALS

	Standard	Optional
Shell	316 SST	An-Al. Titanium. Monel®. Naval Brass
Molding Material	Neoprene 70-A	Hypalon®, Viton®
Contacts	Naval Brass	Gold Plated Naval Brass
Coupling Nut	Delrin®	Aluminium Bronze
O-ring	Buna N®	Viton

CONTACT

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