AIB/GT Series

AIB/GT Series is basically a MIL-DTL-5015 (MIL-C-5015) connector, but with an improved coupling system. AIB/GT Series replaces the threaded coupling used in MIL-DTL-5015 with a positive, quick-mating, 3-point reverse bayonet lock. AIB/GT Series shares the same shell dimensions, contact layouts, contacts, and performance characteristics as the MIL-DTL-5015 threaded connectors; however, the two series do not intermate. Over 180 contact layouts are available from 1 to 85 circuits and up to 150 amps per contact. The standard MIL-DTL-5015 layouts allow the mixing of power and signal contacts, power only, or signal only. Contacts are available in solder, crimp, or PC termination covering wire gauges from size 26 to size 0 AWG. Thermocouple (J, Y, K, T) and coax contacts are also available. These connectors are completely sealed to withstand moisture, condensation, vibration, and flash-over across a broad range of wire diameters. When the two connector halves are mated, the rear sealing grommet plus the dynamic interfacial seal at the front create an environmentally sealed assembly.

Commercial and Military

AIB/GT Series connectors are made in accordance with German military specification VG 95 234 and MIL-DTL-5015. Originally designed for NATO combat vehicles, aircraft, and airborne equipment, these rugged connectors are now widely used in a broad range of demanding commercial applications from trucks to industrial robots.

Applications

Industrial environments requiring extreme environmental reliability and ease of mating and unmating, such as:

- Power Generators
- Battery Systems
- Engines
- Sensors
- Motion Control
- Off-road Vehicles
- Earth Moving Equipment
- Ships
- Railroad Equipment
- Mobile Equipment
- Industrial Machinery
- Telecommunications
- Mass Transit

Features

Simple and Fast Mating and Un-mating

AIB/GT Series connectors use a unique, "reverse bayonet" coupling system for ease of use. This system allows mating and un-mating of the connector halves with a simple 120˚ rotation – without compromising shock, vibration, or moisture resistance. The large, open ramps are easily cleaned of mud or other contaminants. The ramp coupling system eliminates the possibility of cross threading and thread damage possible with standard MIL-DTL-5015 threaded connectors. This quick-mating design is easier to mate in cold weather, tight spaces, or on equipment which must be disassembled frequently.

Shock and Vibration Resistant

AIB/GT Series connectors are supplied with standard military resistant sealing and 3-point bayonet coupling nut. The 3-point bayonet coupling incorporates a wave spring and washer which is specified by the Rail Industry. AIB/GT Series connectors pass the most stringent tests of shock and vibration performance while maintaining proper continuity and water tightness. Rugged aluminum alloy shell and hardware are light in weight yet highly resistant to damage.

Proven Reliability

AIB/GT Series connectors are used extensively in military vehicles such as the M1 Tank. They also have found applications on advanced locomotives, transit cars, and way maintenance equipment.

Features

Audible, Visual, and Tactile Confirmation of Mating

AIB/GT Series connectors provide the user with three independent checks that the connector halves are mated. When the coupling nut is fully rotated, the three studs snap into the end of the ramps with a loud "click" (audible confirmation). At that same moment, the user can actually feel the bolts click into the grooves (tactile confirmation). Blue dots on the receptacle and on the coupling nut are aligned when the connector is properly mated (visual confirmation).

Environmental

The sealing of this connector is not compromised by any of the operating conditions defined in MIL-DTL-5015. The connector is completely watertight when mated.

Broad Temperature Range

These connectors will operate in temperatures from -67˚ to +257˚F (-55˚ to +125˚C). High temperature and zero halogen insulators are also available. Call for ordering information.

Wide Range of Wire Gauges and Current Carrying Capability

Up to 150 amps with accommodations for wire gauges from size 26 up to size 0 AWG wire.

Wide Variety of Contacts

High reliability screw machine contacts with silver or gold plating are available in sizes from 20 through 0 to accommodate wire gauges from 26 to 0 AWG. Solder, Crimp, PC, Coax, and Thermocouple contacts are available.

AIB/GT Series connectors use rail industry standard crimp contacts which are completely interchangeable with other rail connectors such as Litton/Veam CIR series.

Intermateable and Intermountable with all VG 95 234 Connectors

The standard MIL-DTL-5015 layouts and dimensions ensure intermateability and intermountability with all connectors made in accordance with VG 95 234.

All AIB/GT Series connectors are intermountable with standard threaded MIL-DTL-5015 connectors, making it possible to upgrade without the need to change panel cutouts or clearances in most cases.

Technical Specifications

MATERIALS & FINISHES

Shell	Aluminum alloy. (Shells can be grounded)
Plating	Olive drab chromate coating over cadmium plating, black zinc cobalt, electroless nickel, green zinc, and black anodized
Contacts	Copper alloy
Platings	Hard silver plating or gold plating
Insulator*	Neoprene
Seals	Silicone, Neoprene, or Viton**

*Optional zero halogen and high temperature insulators are available. Call for information.
**Viton is a registered trademark of DuPont DOW Elastomers

Technical Specifications

ELECTRICAL DATA

Operating Voltage/Test Voltage According to MIL-DTL-5015

The indicated values for the "operating voltage" are limits concerning the electrical function. In any case, when the working voltage exceeds 50V, safety precautions must be in accordance with the following standards: VDE 0100, IEC 309-1 or applicable national standards

Current Rating

CONTACT SIZE	TEST CURRENT (AMPS)
16/16S	13
12	23
8	46 (69)*
4	80 (80)*
0	150 (225)*

*Test amps, multiconductor using Radsok contact

Altitude Voltage Derating* Chart

MS SERVICE RATING	NOMINAL DISTANCE INCHES		OPERATING VOLTAGE		STANDARD SEA LEVEL CONDITIONS		PRESSURE ALTITUDE† 50,000 FEET		PRESSURE ALTITUDE† 70,000 FEET	
	AIRSPACE	CREEPAGE	DC V	AC (RMS)	MINIMUM FLASHOVER VOLTAGE AC (RMS)	TEST VOLTAGE AC (RMS)	MINIMUM FLASHOVER VOLTAGE AC (RMS)	TEST VOLTAGE AC (RMS)	MINIMUM FLASHOVER VOLTAGE AC (RMS)	TEST VOLTAGE AC (RMS)
I	1/32	1/16	250	1,000	1,400	1,000	550	400	325	260
A	1/16	1/8	700	500	2,800	2,000	800	600	450	360
D	1/8	3/16	1,250	900	3,600	2,800	900	675	500	400
E	3/16	1/4	1,750	1,250	4,500	3,500	1,000	750	550	440
B	1/4	5/16	2,450	1,750	5,700	4,500	1,100	825	600	480
C	5/16	1	4,200	3,000	8,500	7,000	1,300	975	700	560

†Not corrected for changes in density due to variations in temperature

* No attempt has been made to recommend operating voltages. The designer must determine his own operating voltage by the application of a safety factor to the above derating chart to compensate for circuit transients, surges, etc.

Wire Range Sizes — 26 AWG to 0 AWG (See contact selection on pages 70-73

Contact Resistance

per MIL-DTL-5015 p3.5.4

CONTACT SIZE	CONTACT RESISTANCE MILLIOHM MAX.	POTENTIAL VOLTAGE DROP IN MILLIVOLTS MAX.
16/16S	6	21
12	3	20
8	1/(0.44)*	12 (20)*
4	0.5/(0.23)*	10 (18)*
0	0.2/(0.18)*	10 (27)*

*Using Radsok contact

Insulation Resistance — @77˚F (25˚C) > 5,000 Megohms

MECHANICAL

Operating Temperature — -67˚ to +257˚F (-55˚ to +125˚C) Neoprene

Sealing — 33 feet submersible when mated. ≈ IP 67 and NEMA 4P

Technical Specifications

Wire Sealing Range

The connector is designed for individual wire sealing. Sealing of an outer cable jacket on multiconductor cables must be accomplished with an appropriate endbell. Sealing is only guaranteed if wires according to MIL-W-5086 or within the listed ranges are used.

CONTACT SIZE	SEALING RANGE	
	INCHES	(mm)
16	.090 - .118	2.3 - 3.0
12	.126 - .177	3.2 - 4.5
8	.150 - .256	3.8 - 6.5
4	.279 - .366	7.1 - 9.3
0	.394 - .539	10.0 - 13.7

Insulation Strip Lengths

See Contact Selection Chart on page 70

Mating Life

2,000 cycles minimum (commercial) 500 cycles minimum (military)

Salt Spray

Olive drab chromate over cadmium - 500 hours
Non-conductive black zinc - 200 hours
Conductive black zinc - 48 hours
Black anodized - 500+ hours
Electroless nickel - 48 hours

Heat

Neoprene 257˚F (+125˚C); Low Smoke Zero Halogen (LSZH) 347˚F (+175˚C); Viton 392˚F (+200˚C)

Chemical Resistance

Diesel Fuel
JP-4
Hydraulic Fluid
Gasoline

48-hour intermittent spray for each chemical with no deterioration, followed by Contact Retention (CR), Insulation Resistance (IR), Dielectric Withstanding Voltage tests (DWV)

Corrosion Resistance

Olive Drab Cadmium Plated
48 Hrs per MIL-DTL-5015 (3.17/4.6.13)

Fluid Immersion

Hydraulic Fluid — 20 hours per MIL-DTL-5015 (3.19/4.6.15)
Lubrication Oil — 20 hours per MIL-DTL-5015 (3.19/4.6.15)

Vibration

per MIL-STD-810C, method 516.2, procedure VIII
1.0 g peak from 5 to 25 Hz
.030" double amplitude from 25 to 57 Hz
5g peak from 57 to 500 Hz

Basic Shock

Per MIL-STD-810C, method 516.2, procedure I
pulse at half sine wave of 30g for 11 seconds

Gun fire Shock

Per MIL-STD-810C, method 516.2, procedure IV
pulse at half sine wave of 100g for 1.5 seconds

Ballistic Shock

Per MIL-STD-810C, method 516.2, procedure IV
pulse at half sine wave of 200g for .5 seconds

Contact Type

Solder, Crimp, PC, Coax, or Thermocouple. Hard silver or gold plating.

Contact Insertion

From rear with simple hand tool. Removable, 5 cycles minimum.

Contact Retention

CONTACT SIZE	RETENTION FORCE MIN.
16	10
12	15
8	20
4	20
0	25

Pin and socket contacts are designed to resist severe vibration and repeated connection & disconnection. Contact retention and separation is tested according to MIL-DTL-5015 (3.10/4.6.6.3)

Technical Specifications

Number of Circuits	1 to 85
Polarization	Key and keyway plus three point bayonet with optional rotational polarization. See pages 59-69.

Rear Accessories Maximum Torque

SIZE	IN./LB. MAX.
10SL	26
14S	44
16	50
16S	50
18	55
20	65
22	85
24	90
28	114
32	120
36	153
40	170

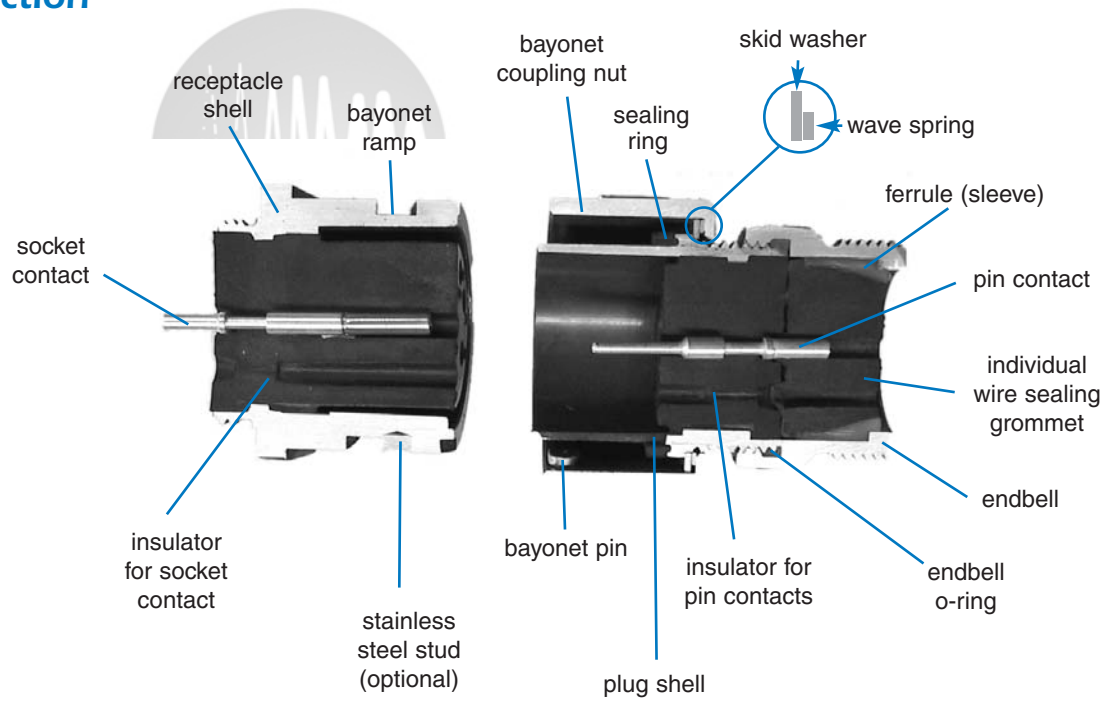
THERMOCOUPLE CODES		
MATERIAL	COLOR CODE	CODE
Iron	Black	IR
Constantan	Yellow	CON
Copper Alloy	–	Cu
Chromel	White	CH
Alumel	Green	AL

Color code is identified by small dot on wire well end of contact.

Thermocouple Types: J = Iron-Constantan
K = Alumel-Chromel
T = Copper-Constantan
E = Chromel-Constantan

Approvals/Agency Listing	UL File# E115497

AIB/GT Series Cross-Section



AIB/GT Series How to Order

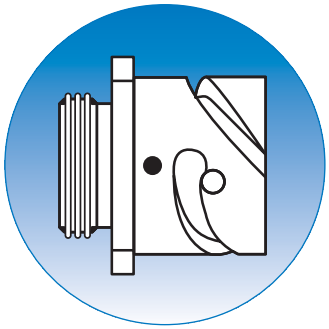
The next page contains a pictograph which portrays all of the standard possibilities for AIB/GT Series connectors. Follow the nine steps to create a description of the connector best suited to your application. This is not an Amphenol part number, but does give you a convenient way to select your connector. Call us with the description for a valid Amphenol part number. If you prefer to select the Amphenol part number, see the How-To-Order Guide on pages 94-95.

Many options not shown are available. Call us if your needs are not met by the options on the next page.

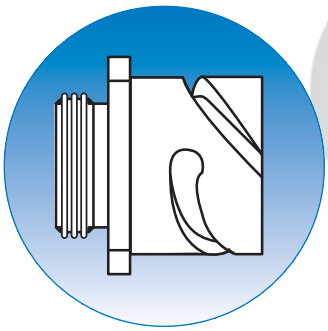
Follow these 9 steps to create your part number. . .

STEP 1
Select Connector Type

AIB



AIBC



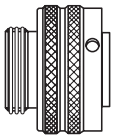
* AIBC is the commercial version of the AIB. It comes without wear pins in the receptacles and without wave springs in the coupling nuts.

** Note: AIBC are fully intermateable with all reverse bayonet connectors.

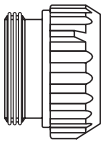
STEP 2
Select Shell Style, Plug or Receptacle

Plugs

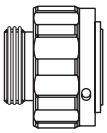
Standard (Most Popular) — 6



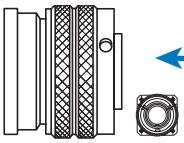
Rubber Covered — 4



Heavy Duty — 6HD

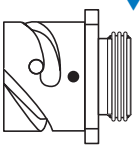
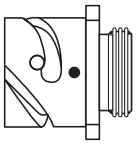
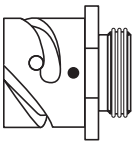
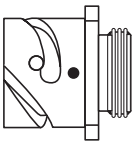
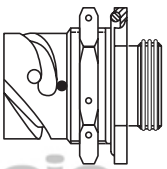
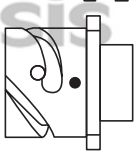
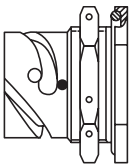
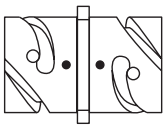


Box Mount — 6B



mates with

Receptacles

0		**Front Wall Mount with Accessory Threads** 
30		**Rear Wall Mount with Accessory Threads (Most Popular)** 
1		**Cable Mount with Accessory Threads** 
20		**Front Box Mount with Rear Accessory Threads** 
70		**Rear Mount Jam Nut with Accessory Threads** 
2		**Front Box Mount No Accessory Threads** 
7		**Rear Mount Jam Nut No Accessory Threads** 
TB		**Thru Bulkhead** 

Create your part number using these nine steps

(example)	AIB	6HD	F	A	24-28	P	W	S	– 472
	1 Connector Type	2 Shell Style	3 Endbells (if omitting endbell, enter - (dash))	4 Cable Clamp/ Heat Shrink Boot (if needed)	5 Layout	6 Contact	7 Rotation	8 Contact Type	9 Plating/ Modification

* See pages 94-95 for Amphenol order codes.

STEP 3
Choose Endbells

- RV — No Clamp
- G — Heat Shrink
- L — Long Extender
- F — Standard Extender
- T — 90°
- P — Potting * Potting Compound see page 261

STEP 4
Choose Cable Clamps and/or Heat Shrink Boot
(if applicable)

Heat Shrink Boot
Call with cable outside diameter.
See pages 258-260.

- C — MS-3057-C
- A — MS-3057-A
- 9767 — **9767** Call with cable outside diameter.

STEP 5
Choose layout
See pages 50-69.

STEP 6
Choose Contact
- P = Pin
- S = Socket
- PS = Style TB only

STEP 7
Choose Rotation
See pages 59-69.
(omit for normal)
- W
- X
- Y
- Z

STEP 8
Choose Contact Type
- S = Solder
- C = Crimp*
- H = PC**
- 0 = Less contacts

* When using a "C" in part number, the connector is supplied with the standard size crimp contacts for its layout. Bolded part number on pages 70-73 indicate crimp contacts. If reduced or enlarged crimp contacts are required, specify contact type 0 (less contacts) and order contacts separately.

** See page 75 for post diameters and lengths.

Standard Specials
Call with NPT thread size, Sealtite conduit diameter, or cable outside diameter.

Shielded Cable/Heat Shrink

Low Cost Gland Seal

Shielded Cable Banding

Internal thread version
External thread version

Gland Seal

Conduit Metal

Mesh Grip

Conduit Plastic
See pages 262-263.

STEP 9
Choose Platings/Modifications

CONTACTS
- B30 = Gold 30µ" Gold over Nickel
- T = Thermocouple
- RDS = RADSOK (Socket only) 8,4,0

Omit for silver contacts

SHELLS
- 023 = Nickel (RoHS with crimp only)
- 024 = Green Zinc Cobalt
- 025 = Black Zinc Cobalt (RoHS with crimp only)
- 027 = Conductive Black Zinc Cobalt (RoHS with crimp only)
- G96 = Black Anodized

Omit for olive drab chromate over cadmium

- 116 = Less Pre-tinned Solder Cups
- 472 = 116 & 025 mod codes (RoHS)
- 548 = 116 & 023 mod codes (RoHS)

MATERIALS
- L = Low Smoke Zero Halogen
- V = High Temperature Viton®*

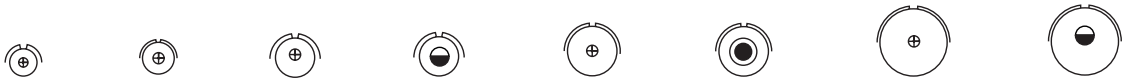
*Viton is a registered trademark of DuPont Dow Elastomers

Layouts by Number of Contacts

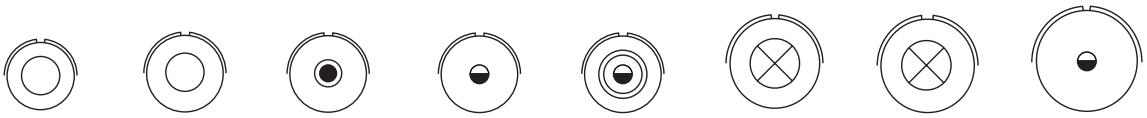
CONTACT LEGEND ⊕=16 ◒=12 ◉=8 ◯=4 ⊗=0
Mating face view of pin inserts

SERIES KEY: **AIB** (●=GT) **AIT** (✚=MS; ✣=non QPL) **97** (✦=97)
P-lok (▼) **Thermocouple** (🌡) ***most popular**

1 CONTACT

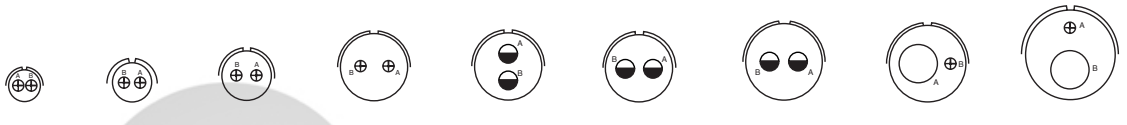


LAYOUT	8S-1	10S-2	12S-4	12-5	14S-4	14-3	16S-3	16-2
# OF CONTACTS	1-#16	1-#16	1-#16	1-#12	1-#16	1#8	1#16	1-#12
SERIES	✚ ✦	✚	✚	✚ ✦	● ✣ ✦	✚	● ✚	● ✚ ▼
SERVICE RATING	A	A	D	D	D	A	B	E

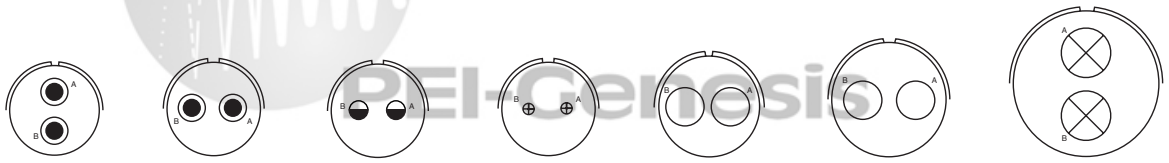


LAYOUT	16-12	18-6	18-7	18-16	18-420	20-2	22-7	24-52
# OF CONTACTS	1-#4	1-#4	1-#8	1-#12	1-#12	1-#0	1-#0	1-#12
SERIES	● ✚ ✦ ▼	● ✚ ▼	● ✣ ▼	● ✣ ✦ ▼	✦	● ✚	● ✚ ▼	● ✣
SERVICE RATING	A	D	B	C	17 KVac 24 KVdc	D	E	21 KVac 30 KVdc

2 CONTACTS

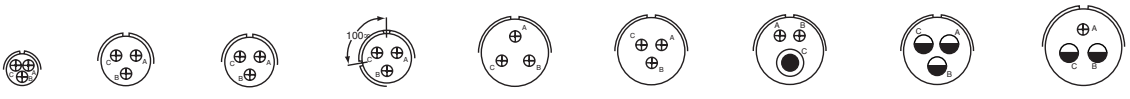


LAYOUT	10SL-4*	12S-3*	14S-9*	16S-4	16-11	16-13	18-3	18-14	20-12
# OF CONTACTS	2-#16	2-#16	2-#16	2-#16	2-#12	2*-#12	2-#12	1-#16; 1-#4	1-#16; 1-#4
SERIES	● ✚ ✦ 🌡	✚ ✦ 🌡	● ✚ ✦ 🌡	● ✚ ✦ 🌡	● ✚ ✦ ▼ 🌡	✖ ▼ 🌡	● ✚ ✦ ▼	● ✣ ▼	● ✣
SERVICE RATING	A	A	A	D	A	A	D	A	A

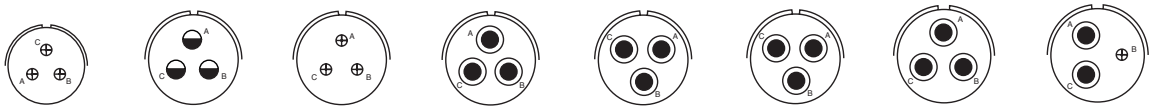


LAYOUT	20-23	22-1	22-8	22-11	24-9	28-7	32-5
# OF CONTACTS	2-#8	2-#8	2-#12	2-#16	2-#4	2-#4	2-#0
SERIES	● ✚ ✦ ▼	● ✦ ▼	● ✚ ✦ ▼	● ✚ ✦ ▼	● ✚ ✦ ▼	● ✣ ▼	● ✚ ✦
SERVICE RATING	A	D	E	B	A	D	D

3 CONTACTS



LAYOUT	10SL-3	14S-1	14S-7	14S-12	16S-5	16S-6	16-7	16-10	18-5
# OF CONTACTS	3-#16	3-#16	3-#16	3-#16	3-#16	3-#16	2-#16; 1-#8	3-#12	1-#16; 2-#12
SERIES	● ✚ ✦	✚ ✦	● ✚ ✦	● ✚ ✦	● ✚ ✦	● ✣ ✦	● ✚ ✦ ▼	● ✚ ✦ ▼	● ✚ ✦ ▼
SERVICE RATING	A	A	A	A	A	A	A	A	D



LAYOUT	18-22	20-3	20-6	20-19	20-51	20-59	22-2	22-6
# OF CONTACTS	3-#16	3-#12	3-#16	3-#8	3*-#8	3*-8 for #10 or 12 wire	3-#8	1-#16; 2-#8
SERIES	● ✣ ✦ ▼	● ✣ ✦ ▼	● ✣ ✦ ▼	● ✚ ✦ ▼	● ✣	● ✣	● ✚ ✦ ▼	● ✚ ▼
SERVICE RATING	D	D	D	A	A	A	D	D

Layouts by Number of Contacts

CONTACT LEGEND ⊕=16 ◒=12 ◉=8 ◯=4 ⊗=0
Mating face view of pin inserts

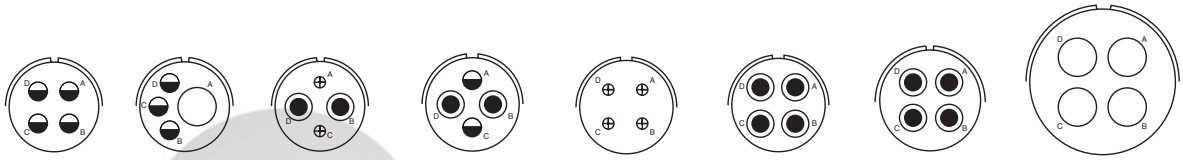
SERIES KEY: **AIB** (●=GT) **AIT** (✚=MS; ✣=non QPL) **97** (✦=97)
P-lok (▼) **Thermocouple** (🌡) ***most popular**

3 CONTACTS (CONT.)

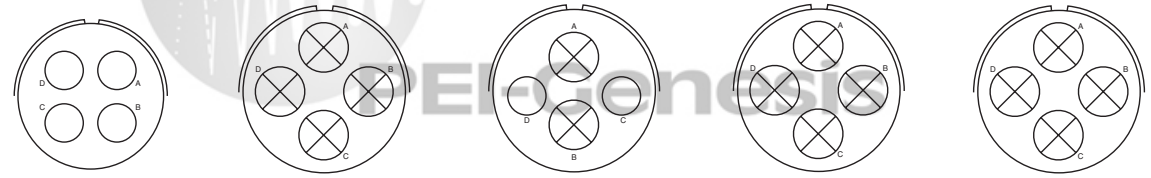
LAYOUT	22-9	22-21	22-80	28-3	28-6	28-72	36-4
# OF CONTACTS	3-#12	2-#16;1-#0	3*-#8 for #10 or 12 wire	3-#8	3*-#4	3-#4 (coax) RG-59A/U or RG-62A/U	3-#0
SERIES	● ✚ ✦ ▼	● ✣ ▼	● ✣	● ✚ ✦ ▼	● ✚ ✦ ▼	● ✣	● ✣
SERVICE RATING	E	A	A	E	D	(coax)	D(A); A(B,C)

4 CONTACTS

LAYOUT	12SL-844	14S-2*	14S-10	16-9	16-59	18-4*	18-10*	18-13	18-15
# OF CONTACTS	4-#16	4-#16	4-#16	2-#16; 2-#12	4-#12	4-#16	4-#12	3-#12; 1-#8	4**-#12
SERIES	✦	● ✚ ✦ 🌡	● ✚ ✦	● ✚ ✦ ▼ 🌡	● ✣	● ✚ ✦ ▼	● ✚ ✦ ▼	● ✚ ✧ ▼	● ✚ ✦ 🌡
SERVICE RATING	I	I	I	A	A	D	A	A	A

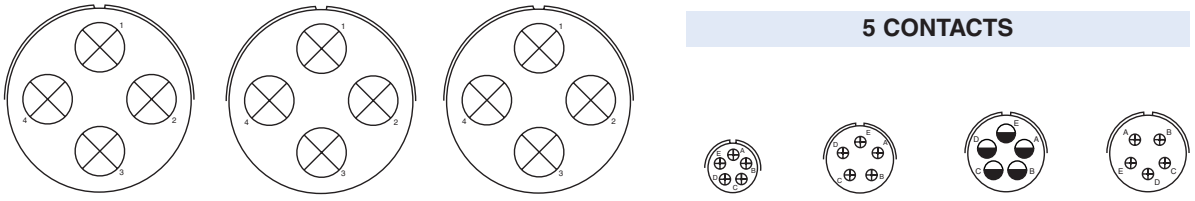


LAYOUT	20-4*	20-20	20-24	22-4	22-10	22-22*	24-22*	32-17
# OF CONTACTS	4-#12	3-#12; 1-#4	2-#16; 2-#8	2-#12; 2-#8	4-#16	4-#8	4-#8	4-#4
SERIES	● ✚ ✦ ▼ 🌡	● ✣ ▼	● ✚ ✦ ▼	● ✚ ✦ ▼	● ✚ ✦ ▼ 🌡	● ✚ ✦ ▼	● ✚ ✦ ▼	● ✚ ✦
SERVICE RATING	D	A	A	A	E	A	D	D

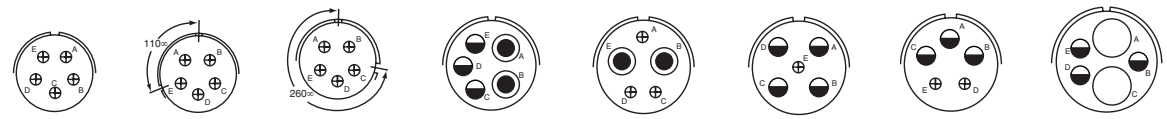


LAYOUT	32-58	36-5	36-51	36-64	36-65
# OF CONTACTS	4-#4 (coax) RG-161/U or RG-179/U	4-#0	2-#4; 2-#0	4-#0 (coax) RG-11/U; RG-12/U or RG-13/U	4-#0 (coax) RG-59/U; RG-62/U or RG-71/U
SERIES	● ✣	● ✚ ✦	● ✣	● ✣	● ✣
SERVICE RATING	COAX	A	D	(coax)	(coax)

5 CONTACTS



LAYOUT	40-57	40-66	40-86	14S-5*	16S-8*	18-11*	18-20
# OF CONTACTS	4-#0	4-#0 (coax) RG-63B/U	4-#0 (coax) RG-115A/U	5-#16	5-#16	5-#12	5-#16
SERIES	● ✣	● ✣	● ✣	● ✚ ✦	● ✚ ✦	● ✚ ✦ ▼ 🌡	● ✚ ✦ ▼
SERVICE RATING	E	(coax)	(coax)	I	A	A	A



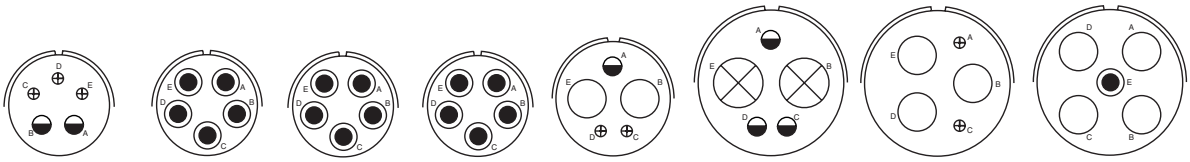
LAYOUT	18-29	18-30	18-31	20-14	22-12	22-13	22-34	24-12
# OF CONTACTS	5-#16	5-#16	5-#16	3-#12; 2-#8	3-#16; 2-#8	1-#16; 4-#12	2-#16; 3-#12	3-#12; 2-#4
SERIES	● ✣ ✦ ▼	● ✚ ✦	● ✚ ✦	● ✚ ✦ ▼	● ✣ ✦ ▼	● ✣ ✦ ▼	● ✚ ✦ ▼	● ✚ ✦ ▼
SERVICE RATING	A	A	A	A	D	D(E) A(A,B,C,D)	D	A

Layouts by Number of Contacts

CONTACT LEGEND ⊕=16 ◒=12 ◉=8 ○=4 ⊗=0
Mating face view of pin inserts

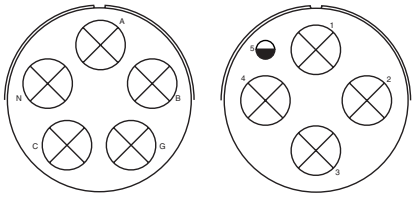
SERIES KEY: **AIB** (●=GT) **AIT** (✚=MS; ✣=non QPL) **97** (✦=97)
P-lok (▼) **Thermocouple** (🌡) ***most popular**

5 CONTACTS (CONT.)



LAYOUT	24-17	24-51	24-53	24-79	28-5	32-1	32-2	32-79
# OF CONTACTS	3-#16; 2-#12	5-#8	5-#8	5-#8	2-#16; 1-#12; 2-#4	3-#12; 2-#0	2-#16; 3-#4	1-#8; 4-#4
SERIES	● ✣ ▼	● ✣	● ✣	● ✣	● ✣ ▼	● ✚	● ✚	● ✣
SERVICE RATING	D	B; E for AWG #10 or 12 wire A; C; D for AN #18 wire	A	A	D	E(A); D(B, C, D, E)	E	D

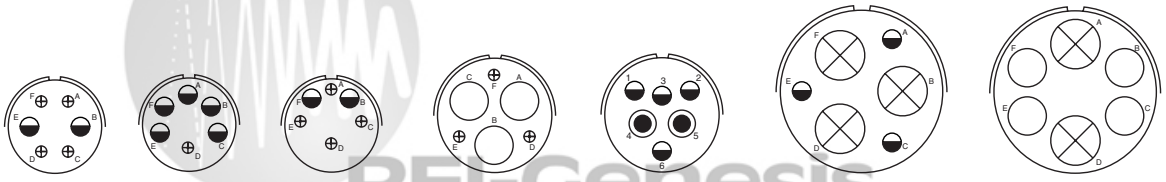
5 CONTACTS



LAYOUT	40-5	40-75
# OF CONTACTS	5-#0	4-#0; 1-#12
SERIES	● ✣	● ✣
SERVICE RATING	A	E

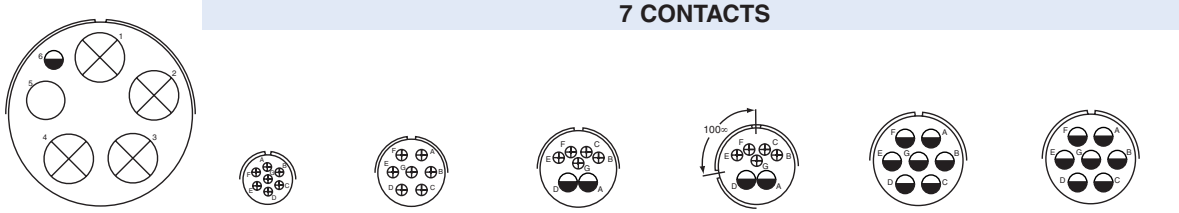
6 CONTACTS

LAYOUT	14S-6*	18-12	20-8	20-17	20-22	20-66
# OF CONTACTS	6-#16	6-#16	4-#16; 2-#8	1-#16; 5-#12	3-#16; 3-#8	1-#16 5-#12 for #10 wire
SERIES	● ✚ ✦ 🌡	● ✚ ▼ 🌡	● ✚ ✦ ▼	● ✣ ✦ ▼	● ✚ ✦ ▼	● ✣
SERVICE RATING	I	A	I	A	A	A

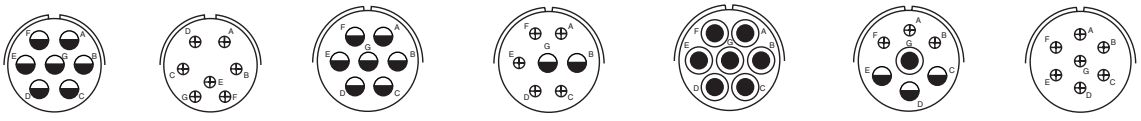


LAYOUT	22-5	22-15	22-24	28-22	28-82	36-3	36-6
# OF CONTACTS	4-#16; 2-#12	1-#16; 5-#12	4-#16; 2-#12	3-#16; 3-#4	4-#12; 2-#8	3-#12; 3-#0	4-#0; 2-#0
SERIES	● ✚ ✦ ▼	● ✚ ✦ ◆ 🌡	● ✣ ▼	● ✣ ▼	● ✣	● ✣	● ✚ ✦
SERVICE RATING	D	A(A, B, C, E, F); E(D)	D(C, D, E) A(A, B, F)	D	D	D	A

7 CONTACTS



LAYOUT	40-74	14SA7	16S-1*	18-9	18-17	20-15*	20-57
# OF CONTACTS	4-#0 (coax) RG-9B/U or RG-214/U 1-#4 (coax) RG-62/U; 1-#12	7-#16	7-#16	5-#16; 2-#12	5-#16; 2-#12	7-#12	12 for #14 or 16 wire
SERIES	● ✣	● ✣	● ✚ ✦ 🌡	● ✚ ✦ ▼ 🌡	● ✚ ✦ ▼	● ✚ ✦ ▼ 🌡	● ✣
SERVICE RATING	A	A	A	I	I	A	A



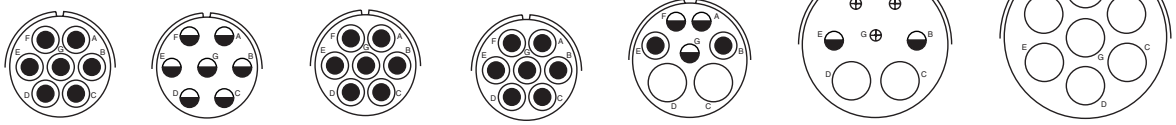
LAYOUT	22-28	22-33	24-2	24-3	24-10	24-16	24-27
# OF CONTACTS	7-#12	7-#16	7-#12	5-#16; 2-#12	7-#8	3-#16; 3-#12; 1-#8	7-#16
SERIES	● ✚ ✦ ▼	● ✣	● ✚ ✦ ▼	● ✣ ▼	● ✚ ✦ ▼	● ✣ ✦ ▼	● ✚ ▼ ✦
SERVICE RATING	A	D(A, B, C, D) A(E, F, G)	D	D	A	D(A, B, F, G) A(C, D, E)	E

Layouts by Number of Contacts

CONTACT LEGEND ⊕=16 ◒=12 ◉=8 ◯=4 ⊗=0
Mating face view of pin inserts

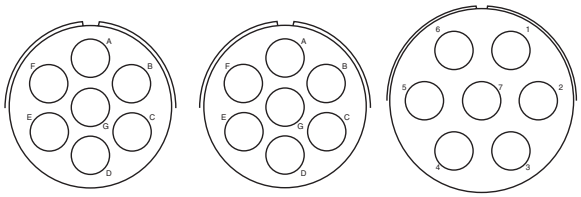
SERIES KEY: **AIB** (●=GT) **AIT** (✚=MS; ✣=non QPL) **97** (✦=97)
P-lok (▼) **Thermocouple** (🌡) ***most popular**

7 CONTACTS (CONT.)



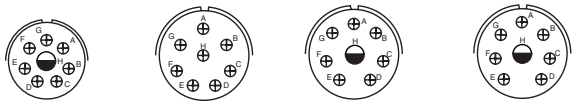
LAYOUT	24-60	24-66	24-71	24-75	28-10	32-10	36-73
# OF CONTACTS	7-#8 or 12 wire	7-#12	5-#8 for #10 or 12 wire, 2-#8	2-#8 for #16 wire; 5-#8	3-#12; 2-#8; 2-#4	3-#16; 2-#8; 2-#4	7-#4 (coax) RG-62B/U
SERIES	● ✣	● ✣	● ✣	● ✣	● ✚ ✦	● ✣	● ✣
SERVICE RATING	I	D	A	A	D(G); A(balance)	E(A, F); B(G); D(B, E); A(C, D)	(coax)

7 CONTACTS (CONT.)

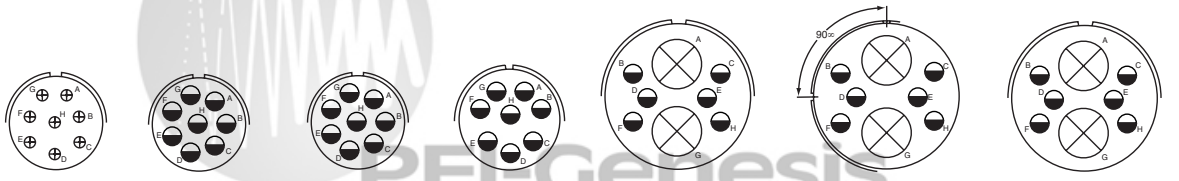


LAYOUT	36-77	36-83	40-87
# OF CONTACTS	7-#4	7-#4 (coax) RG-58/U	7-#4
SERIES	● ✣	● ✣	● ✣
SERVICE RATING	D	(coax)	D

8 CONTACTS

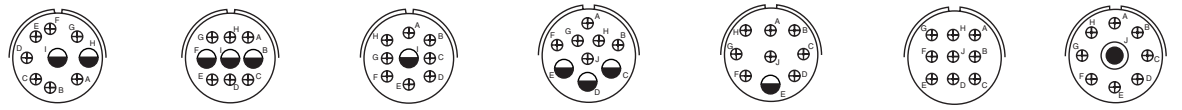


LAYOUT	18-8*	20-7*	20-9	20-79
# OF CONTACTS	7-#16; 1-#12	8-#16	7-#16; 1-#12	7-#16; 1-#12
SERIES	● ✚ ✦ ▼	● ✚ ✦ ▼ 🌡	● ✣	● ✣
SERVICE RATING	A	D(A, B, H, G); A(C, D, E, F)	H = (D); A(balance)	H = D; A(balance)

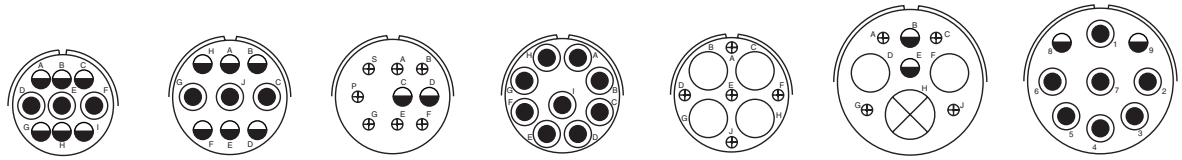


LAYOUT	22-18	22-23	22-65	24-6	32-15	32-52	32-57
# OF CONTACTS	8-#16	8-#12	12 for #14 or 16 wire	8-#12	6-#12; 2-#0	2-#0; 6-#12	2-#0 (coax) RG-7/U; 6-#12
SERIES	● ✚ ✦ ▼	● ✚ ✦ ▼ 🌡	● ✣	● ✣ ✦ ▼	● ✣	● ✣	● ✣
SERVICE RATING	D(A, B, F, G, H); A(C, D, E)	D(H); A(balance)	D(H); A(balance)	D(A, G, H); A(balance)	D	D	(coax)

9 CONTACTS



LAYOUT	20-16	20-18*	20-21	22-16	22-17	22-20	22-27
# OF CONTACTS	7-#16; 2-#12	6-#16; 3-#12	8-#16; 1-#12	6-#16; 3-#12	8-#16; 1-#12	9-#16	8-#16; 1-#8
SERIES	● ✚ ✦ ▼ 🌡	● ✚ ✦ ▼	● ✚ ✦ ▼	● ✚ ✦ ▼	● ✣ ▼	● ✣ ✦ ▼	● ✚ ✦ ▼
SERVICE RATING	A	A	A	A	D(A); A(balance)	A	D(J); A(balance)



LAYOUT	24-11	28-1	28-4	28-84	28AY	32-3	32-75
# OF CONTACTS	6-#12; 3-#8	6-#12; 3-#8	7-#16; 2-#12	9-#8	5-#16; 4-#4	4-#16; 2-#12; 2-#4; 1-#0	7-#8 (coax); RG-180B/U 2-#12
SERIES	● ✚ ✦ ▼	● ✚ ✦ ▼	● ✣ ▼	● ✣	● ✣	● ✚	● ✣
SERVICE RATING	A	D(A, J, E); A(balance)	E(G, P, S); D(balance)	A	A	D	D(8,9) (coax)

Layouts by Number of Contacts

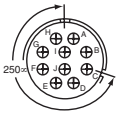
CONTACT LEGEND ⊕=16 ◒=12 ◉=8 ◯=4 ⊗=0
Mating face view of pin inserts

SERIES KEY: **AIB** (●=GT) **AIT** (✚=MS; ✣=non QPL) **97** (✦=97)
P-lok (▼) **Thermocouple** (🌡) ***most popular**

10 CONTACTS

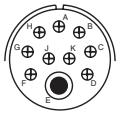
LAYOUT 18-1*
OF CONTACTS 10-#16
SERIES ● ✚ ✦ ▼ 🌡
SERVICE RATING A (B, C, F, G) I(balance)

LAYOUT 18-19
OF CONTACTS 10-#16
SERIES ● ✚ ✦ ▼
SERVICE RATING A

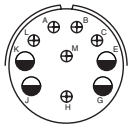


LAYOUT 18-24
OF CONTACTS 10-#16
SERIES ● ✚ ✦
SERVICE RATING A(B, C, F, G); I(balance)

LAYOUT 20-58
OF CONTACTS 5-#16; 5-#12
SERIES ● ✣
SERVICE RATING A

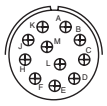


LAYOUT 24-21
OF CONTACTS 9-#16; 1-#8
SERIES ● ✚ ✦ ▼
SERVICE RATING D

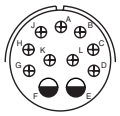


LAYOUT 28-19
OF CONTACTS 6-#16; 4-#12
SERIES ● ✚ ✦ ▼
SERVICE RATING B(H, M); D(A, B) A(balance)

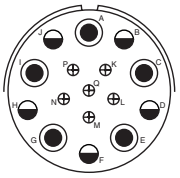
11 CONTACTS



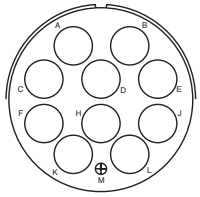
LAYOUT 20-33
OF CONTACTS 11-#16
SERIES ● ✣ ✦ ▼
SERVICE RATING A



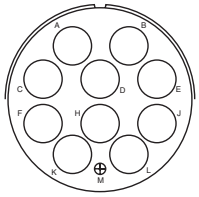
LAYOUT 24-20
OF CONTACTS 9-#16; 2-#12
SERIES ● ✣ ✦ ▼ 🌡
SERVICE RATING D



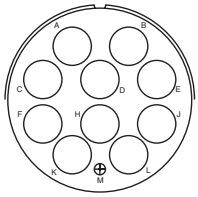
LAYOUT 36-14
OF CONTACTS 6-#16; 5-#12; 5-#8
SERIES ● ✣
SERVICE RATING D



LAYOUT 40-67
OF CONTACTS 10-#4 (coax); 1-#16 RG-59/U
SERIES ● ✣
SERVICE RATING A (coax)



LAYOUT 40-72
OF CONTACTS 10-#4 (coax); 1-#16 RG-9B/U
SERIES ● ✣
SERVICE RATING A (coax)

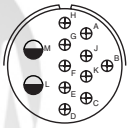


LAYOUT 40-80
OF CONTACTS 10-#4; 1-#16
SERIES ● ✣
SERVICE RATING A

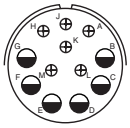
12 CONTACTS

LAYOUT 22-63
OF CONTACTS 8-#16; 4-#12
SERIES ● ✣
SERVICE RATING A

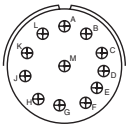
LAYOUT 24-19
OF CONTACTS 12-#16
SERIES ✦ ▼
SERVICE RATING A



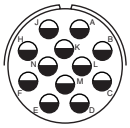
LAYOUT 28-8
OF CONTACTS 10-#16; 2-#12
SERIES ● ✣ ✦ ▼
SERVICE RATING E(L,M,); D(B) A(balance)



LAYOUT 28-9
OF CONTACTS 6-#16; 6-#12
SERIES ● ✣ ✦ ▼
SERVICE RATING D

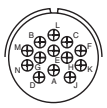


LAYOUT 28-18
OF CONTACTS 12-#16
SERIES ● ✚ ✦ ▼
SERVICE RATING C(M); D(G, H, I, K, L) A(A, B); I(balance)

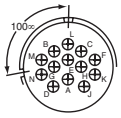


LAYOUT 28-51
OF CONTACTS 12-#12
SERIES ● ✣ ▼
SERVICE RATING A

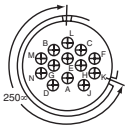
13 CONTACTS



LAYOUT 20-11
OF CONTACTS 13-#16
SERIES ● ✣ ✦ ▼
SERVICE RATING I



LAYOUT 20-25
OF CONTACTS 13-#16
SERIES ● ✣ ✦
SERVICE RATING I

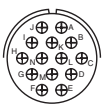


LAYOUT 20-30
OF CONTACTS 13-#16
SERIES ● ✣ ✦
SERVICE RATING I

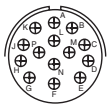
LAYOUT 22-70
OF CONTACTS 5-#16; 8-#12
SERIES ● ✣
SERVICE RATING A

LAYOUT 24-58
OF CONTACTS 7-#16; 3-#12; 3-#8
SERIES ● ✣
SERVICE RATING A

14 CONTACTS



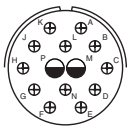
LAYOUT 20-27*
OF CONTACTS 14-#16
SERIES ● ✣ ✦ ▼ 🌡
SERVICE RATING A



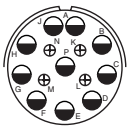
LAYOUT 22-19*
OF CONTACTS 14-#16
SERIES ● ✣ ✦ ▼ 🌡
SERVICE RATING A

LAYOUT 24-59
OF CONTACTS 7-#16; 7-#12
SERIES ● ✚
SERVICE RATING A

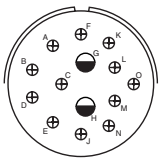
14 CONTACTS



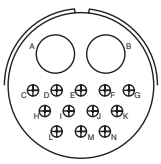
LAYOUT 28-2
OF CONTACTS 12-#16; 2-#12
SERIES ● ✣ ✦ ▼
SERVICE RATING D



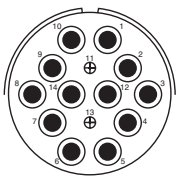
LAYOUT 28-20
OF CONTACTS 4-#16; 10-#12
SERIES ● ✣ ✦ ▼ 🌡
SERVICE RATING A



LAYOUT 32-4
OF CONTACTS 12-#16; 2-#12
SERIES ● ✣
SERVICE RATING A(F, J, K, N); D(balance)



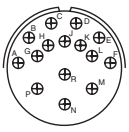
LAYOUT 32-9
OF CONTACTS 12-#16; 2-#4
SERIES ● ✣
SERVICE RATING D



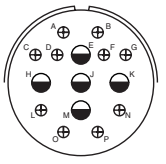
LAYOUT 36-78
OF CONTACTS 12-#8; 2-#16
SERIES ● ✣
SERVICE RATING A

15 CONTACTS

LAYOUT 24-65
OF CONTACTS 4-#16; 11-#12
SERIES ● ✣
SERVICE RATING A



LAYOUT 28-17*
OF CONTACTS 15-#16
SERIES ● ✣ ✦ ▼
SERVICE RATING B(R); D(M, N, P); A(A-L)



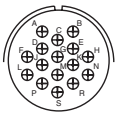
LAYOUT 32-12
OF CONTACTS 10-#16; 5-#12
SERIES ● ✣
SERVICE RATING A(C, D, E, F, G); D(balance)

Layouts by Number of Contacts

CONTACT LEGEND ⊕=16 ◒=12 ◉=8 ◯=4 ⊗=0
Mating face view of pin inserts

SERIES KEY: **AIB** (●=GT) **AIT** (✚=MS; ✣=non QPL) **97** (✦=97)
P-lok (▼) **Thermocouple** (🌡) ***most popular**

16 CONTACTS



LAYOUT **24-5**
OF CONTACTS 16-#16
SERIES ● ✣ ✦ ▼ 🌡
SERVICE RATING A

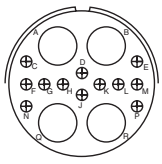
24-7*
14-#16; 2-#12
● ✣ ✦ ▼ 🌡
A

28-66
14-#12; 2-#8
● ✣
A

28-74
3-#8 for #10 wire;
4-#8; 9-#16
● ✣
A

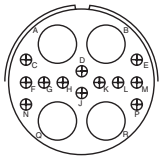
28-75
7-#8 for #10 wire
9-#16
● ✣
A

28-79
7-#8; 9-#16
● ✣
A

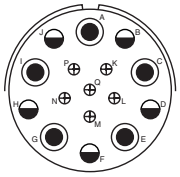


32-68
4-#4 (coax) RG-58C/U
12-#16
● ✣
A (coax)

16 CONTACTS



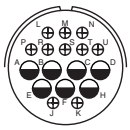
LAYOUT **32-82**
OF CONTACTS 12-#16; 4-#4
SERIES ● ✣
SERVICE RATING A



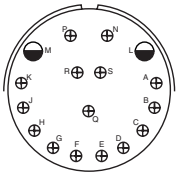
36-14
6-#16; 5-#12; 5-#8
● ✣
D

17 CONTACTS

20-29*
17-#16
● ✣ ✦ ▼ 🌡
A



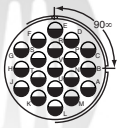
28-59
10-#16; 7-#12
● ✣
A



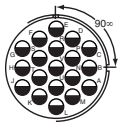
36-13
15-#16; 2-#12
● ✣
E(N, P, Q)
A(balance)

19 CONTACTS

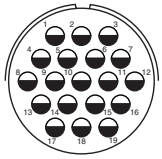
LAYOUT **22-14***
OF CONTACTS 19-#16
SERIES ● ✚ ✦ ▼ 🌡
SERVICE RATING A



24-67
19-#12
● ✣
I

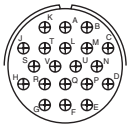


24-84
18-#12; 1-#12
(coax) RG-188/U or RG-174/U
● ✣
A (coax)

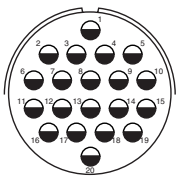


32-76
19-#12
● ✣
A

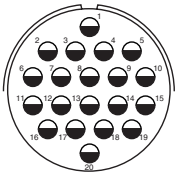
20 CONTACTS



LAYOUT **28-16**
OF CONTACTS 20-#16
SERIES ● ✚ ✦ ▼ 🌡
SERVICE RATING A

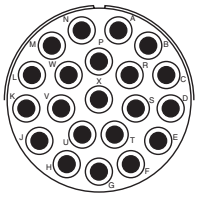


36-79
20-#12
● ✣
A



36-80
20-#12 for #10 wire
● ✣
A

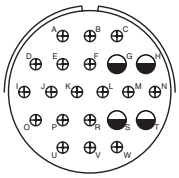
21 CONTACTS



40-68
21-#8
● ✣
A

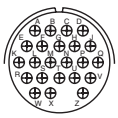
22 CONTACTS

28-11*
18-#16; 4-#12
● ✚ ✦ ▲ 🌡
A

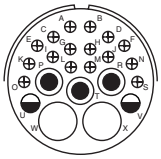


36-1
18-#16, 4-#12
● ✣ ✦
D

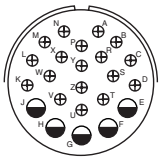
23 CONTACTS



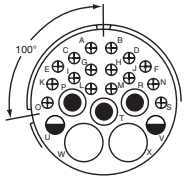
LAYOUT **24-80**
OF CONTACTS 23-#16
SERIES ● ✣
SERVICE RATING I



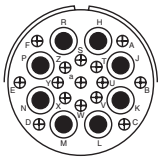
32-6
16-#16; 2-#12;
3-#8; 2-#4
● ✚ ✦
A



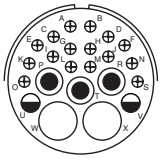
32-13
18-#16; 5-#12
● ✚ ✦
D



32-16
16-#16; 2-#12;
3-#8; 2-#4
● ✚
A



32-60
8-#8 (coax); 15-#16
RG-124/U
● ✣
A (coax)



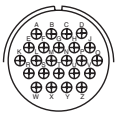
32-62
2-#8 (coax); 16-#16; 2-#12;
1-#8; 2-#4 RG-124/U
● ✣
A (coax)

Layouts by Number of Contacts

CONTACT LEGEND ⊕=16 ◒=12 ◉=8 ○=4 ⊗=0
Mating face view of pin inserts

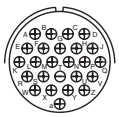
SERIES KEY: **AIB** (●=GT) **AIT** (✚=MS; ✜=non QPL) **97** (✦=97)
P-lok (▼) **Thermocouple** (🌡) ***most popular**

24 CONTACTS

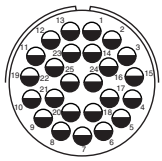


LAYOUT **24-28***
OF CONTACTS 24-#16
SERIES ● ✜ ✦ ▼ 🌡
SERVICE RATING I

25 CONTACTS

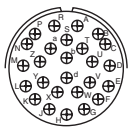


LAYOUT **24-AJ**
OF CONTACTS 25-#16
SERIES ● ✜
SERVICE RATING A

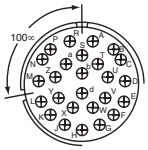


LAYOUT **32-25**
OF CONTACTS 25-#12
SERIES ● ✜
SERVICE RATING A

26 CONTACTS



LAYOUT **28-12***
OF CONTACTS 26-#16
SERIES ● ✚ ✦ ▼ 🌡
SERVICE RATING A

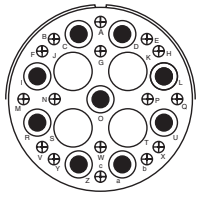


LAYOUT **28-13**
OF CONTACTS 26-#16
SERIES ● ✚ ✦
SERVICE RATING A

28 CONTACTS

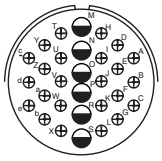
LAYOUT **24-96**
OF CONTACTS 28-#16
SERIES ● ✜
SERVICE RATING I

29 CONTACTS

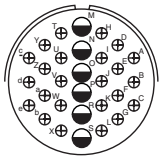


LAYOUT **40-10**
OF CONTACTS 16-#16; 9-#8; 4-#4
SERIES ● ✜
SERVICE RATING A

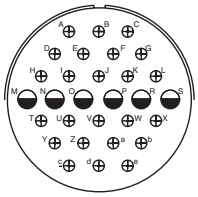
30 CONTACTS



LAYOUT **32-8**
OF CONTACTS 24-#16; 6-#12
SERIES ● ✚ ✦ 🌡
SERVICE RATING A

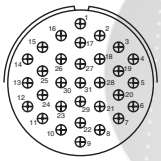


LAYOUT **32-56**
OF CONTACTS 6-#12 for #10 wire; 24-#16
SERIES ● ✜
SERVICE RATING A

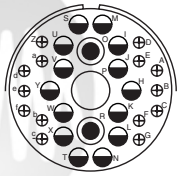


LAYOUT **40-1**
OF CONTACTS 24-#16; 6-#12
SERIES ● ✚
SERVICE RATING D

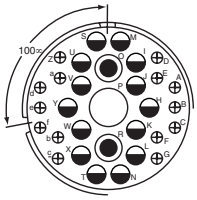
31 CONTACTS



LAYOUT **32-31**
OF CONTACTS 31-#16
SERIES ● ✜
SERVICE RATING A

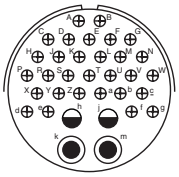


LAYOUT **36-9**
OF CONTACTS 14-#16; 14-#12; 2-#8; 1-#4
SERIES ● ✚ ✦
SERVICE RATING A



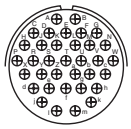
LAYOUT **36-18**
OF CONTACTS 14-#16; 14-#12; 2-#8; 1-#4
SERIES ● ✜ ✦
SERVICE RATING A

34 CONTACTS

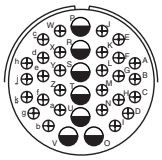


LAYOUT **36-20**
OF CONTACTS 30-#16; 2-#12; 2-#8
SERIES ● ✜
SERVICE RATING A

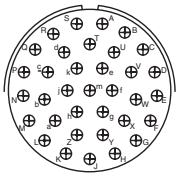
35 CONTACTS



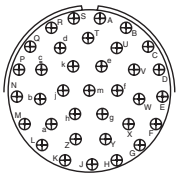
LAYOUT **28-15***
OF CONTACTS 35-#16
SERIES ● ✚ ✦ 🌡
SERVICE RATING A



LAYOUT **32-7***
OF CONTACTS 28-#16; 7-#12
SERIES ● ✚ ✦
SERVICE RATING I(A, B, h, j); A(balance)

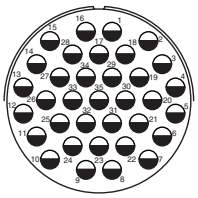


LAYOUT **36-15**
OF CONTACTS 35-#16
SERIES ● ✚ ✦ 🌡
SERVICE RATING D(M); A(balance)



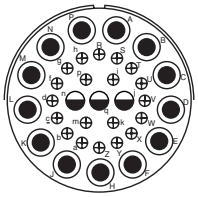
LAYOUT **36-85**
OF CONTACTS 35-#16 for #12 wire
SERIES ● ✜
SERVICE RATING D(M); A(balance)

35 CONTACTS



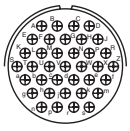
LAYOUT **40-35**
OF CONTACTS 35-#12
SERIES ● ✜
SERVICE RATING D

36 CONTACTS



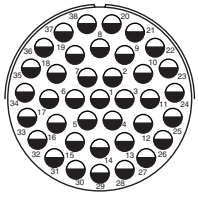
LAYOUT **40-64**
OF CONTACTS 13-#8 (coax) RG-124/U
20-#16; 3-#12
SERIES ● ✜
SERVICE RATING I (coax)

37 CONTACTS



LAYOUT **28-21***
OF CONTACTS 37-#16
SERIES ● ✚ ✦ 🌡
SERVICE RATING A

38 CONTACTS



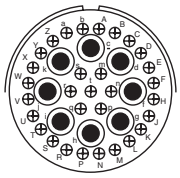
LAYOUT **40-AG**
OF CONTACTS 38-#12
SERIES ● ✜
SERVICE RATING A

Layouts by Number of Contacts

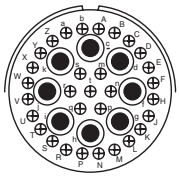
CONTACT LEGEND ⊕=16 ◒=12 ◉=8 ◯=4 ⊗=0
Mating face view of pin inserts

SERIES KEY: **AIB** (●=GT) **AIT** (✚=MS; ✣=non QPL) **97** (✦=97)
P-lok (▼) **Thermocouple** (🌡) ***most popular**

39 CONTACTS

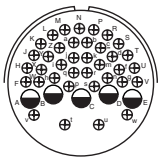


LAYOUT **36-54**
OF CONTACTS 31-#16; 8-#8
SERIES ● ✣
SERVICE RATING A



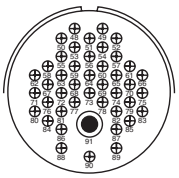
36-55
8-#8 for #6 wire; 31-#16
● ✣
A

42 CONTACTS



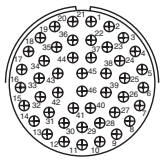
32-53
37-#16; 5-#12
● ✣
E(T, U) I(balance)

44 CONTACTS



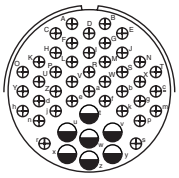
36-74
8-#1 (coax); RG187/U
43-#16
● ✣
A (coax)

46 CONTACTS

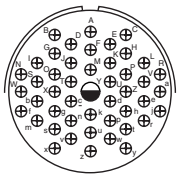


32-73
46-#16
● ✣
A

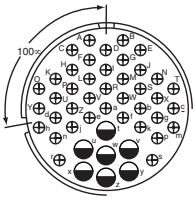
47 CONTACTS



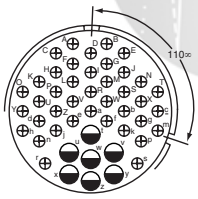
36-7*
40-#16; 7-#12
● ✚ ✦ 🌡
A



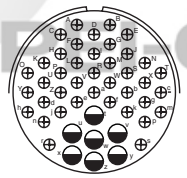
36-8
46-#16; 1-#12
● ✚ ✦ 🌡
A



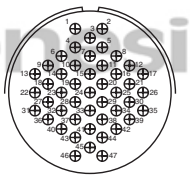
36-16
40-#16; 7-#12
● ✣ ✦
A



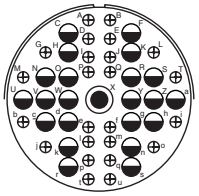
36-17
40-#16; 7-#12
● ✣ ✦
A



36-60
7-#12 for #10 wire; 40-#16
● ✣
A

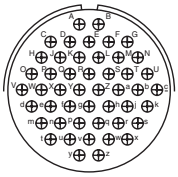


36-76
47-#16
● ✣
A

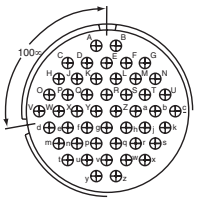


40-9
24-#16; 22-#12; 1-#8
● ✚
A

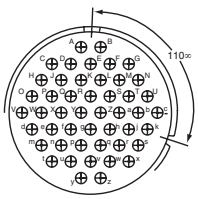
48 CONTACTS



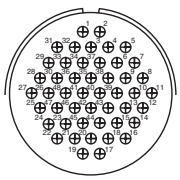
36-10*
48-#16
● ✚ ✦
A



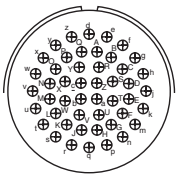
36-11
48-#16
● ✚ ✦
A



36-12
48-#16
● ✚ ✦
A



36-75
48-#16 for #14 wire
● ✣
A



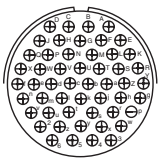
36-AF
48-#16
● ✣
A

Layouts by Number of Contacts

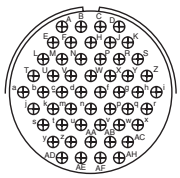
CONTACT LEGEND ⊕=16 ◒=12 ◉=8 ○=4 ⊗=0
Mating face view of pin inserts

SERIES KEY: **AIB** (●=GT) **AIT** (✚=MS; ✣=non QPL) **97** (✦=97)
P-lok (▼) **Thermocouple** (🌡) ***most popular**

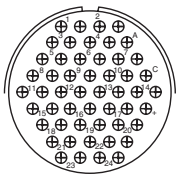
52 CONTACTS



LAYOUT 32-414
OF CONTACTS 52-#16
SERIES ✦
SERVICE RATING A

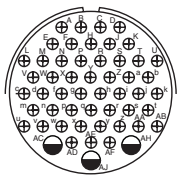


LAYOUT 36-52
OF CONTACTS 52-#16
SERIES ● ✣ 🌡
SERVICE RATING A

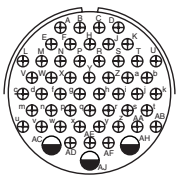


LAYOUT 36-403
OF CONTACTS 52-#16
SERIES ✦
SERVICE RATING A

53 CONTACTS

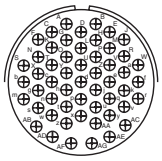


LAYOUT 36-59
OF CONTACTS 3-#12 for #10 wire; 50-#16
SERIES ● ✣
SERVICE RATING A

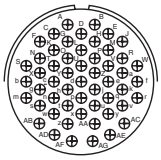


LAYOUT 36-71
OF CONTACTS 50-#16; 3-#12
SERIES ● ✣
SERVICE RATING A

54 CONTACTS

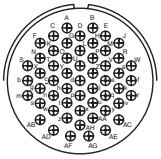


LAYOUT 32-22
OF CONTACTS 54-#16
SERIES ● ✣
SERVICE RATING A



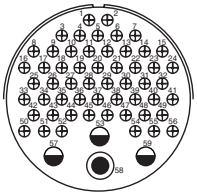
LAYOUT 32-64
OF CONTACTS 54-#16
SERIES ● ✣
SERVICE RATING I

55 CONTACTS



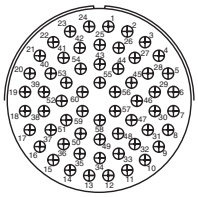
LAYOUT 32-AF
OF CONTACTS 55-#16
SERIES ● ✣
SERVICE RATING A

59 CONTACTS

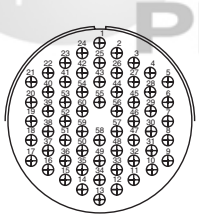


LAYOUT 40-61
OF CONTACTS 55-#16; 3-#12; 1-8
SERIES ● ✣
SERVICE RATING A

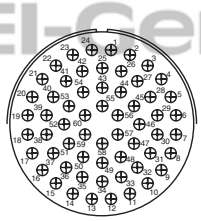
60 CONTACTS



LAYOUT 40-53
OF CONTACTS 60-#16
SERIES ● ✣ 🌡
SERVICE RATING A

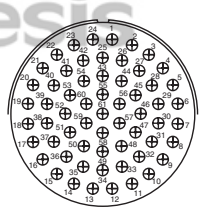


LAYOUT 40-62
OF CONTACTS 60-#16
SERIES ● ✣
SERVICE RATING A

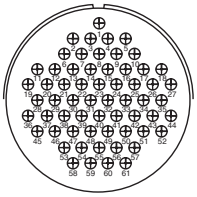


LAYOUT 40-85
OF CONTACTS 60-#16 for #14 wire
SERIES ● ✣
SERVICE RATING A

61 CONTACTS

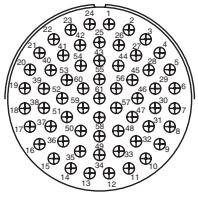


LAYOUT 40-63
OF CONTACTS 61-#16 for #14 wire
SERIES ● ✣
SERVICE RATING A



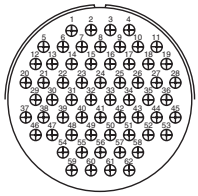
LAYOUT 40-70
OF CONTACTS 61-#16
SERIES ● ✣
SERVICE RATING A

61 CONTACTS

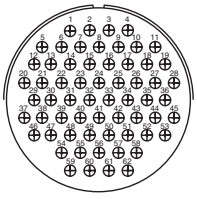


LAYOUT 40-73
OF CONTACTS 61-#16
SERIES ● ✣
SERVICE RATING A

62 CONTACTS

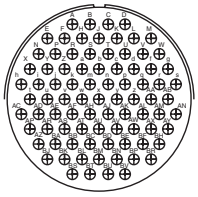


LAYOUT 40-81
OF CONTACTS 62-#16 for #14 wire
SERIES ● ✣
SERVICE RATING A



LAYOUT 40-82
OF CONTACTS 62-#16
SERIES ● ✣
SERVICE RATING A

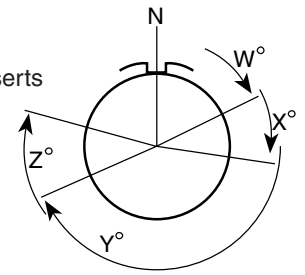
85 CONTACTS



LAYOUT 40-56
OF CONTACTS 85-#16
SERIES ● ✚ 🌡
SERVICE RATING A

Layouts by Shell Size

Mating Face view of pin inserts



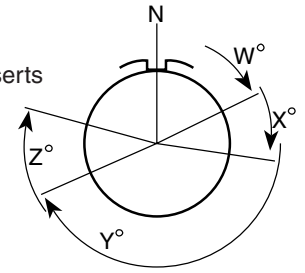
Alternate Insert Position (Rotation)

SERIES KEY: **AIB** (●=GT) **AIT** (✚=MS; ✣=non QPL) **97** (✦=97) **P-lok** (▼) **Thermocouple** (🌡)
CONTACT METALLURGY KEY: **Alumel** (Al.) **Chromel** (Ch.) **Constantan** (Con.) **Copper** (Cu) **Iron** (Ir.)

	SERIES					CONTACTS SIZES							DEGREES OF ROTATION				
LAYOUT	97	AIT	AIB	P-lok	TOTAL	20	16	12	8	4	0	🌡	W	X	Y	Z	SERVICE RATING
8S-1	✦	✚			1		1						-	-	-	-	A
10S-2		✚			1		1						-	-	-	-	A
10SL-3	✦	✚	●		3		3						-	-	-	-	A
10SL-4	✦	✚	●		2		2						-	-	-	-	A
10SL-51		✣	●		2		2					🌡	10SL-4 45º A=Ir.; B=Con.				
10SL-52		✣	●		2		2					🌡	10SL-4 45º A=Cu; B=Con.				
10SL-53		✣	●		2		2					🌡	10SL-4 45º A=Al.; B=Ch.				
10SL-54		✣	●		3		3					🌡	10SL-3 A=Ir.; B=Con.; C=Cu				
10SL-55		✣	●		3		3					🌡	10SL-3 A=Al.; B=Ch.; C=Cu				
10SL-56		✣	●		2		2					🌡	10SL-4 A=Al.; B=Ch.				
10SL-57		✣	●		2		2					🌡	10SL-4 A=Ch.; B=Con.				
10SL-58		✣	●		3		3					🌡	10SL-3 A=Ch.; B=Al.; C=Cu				
10SL-59		✣	●		2		2					🌡	10SL-4 A=Ch.; B=Al.				
10SL-60		✣	●		2		2					🌡	10SL-4 A=Ir.; B=Con.				
10SL-61		✣	●		2		2					🌡	10SL-4 A=Cu; B=Con.				
10SL-62		✣	●		3		3					🌡	10SL-3 A=Cu; B=Al.; C=Ir.				
10SL-63		✣	●		3		3					🌡	10SL-3 A, C=Con.; B=Ch.				
10SL-64		✣	●		3		3					🌡	10SL-3 A, C=Ch.; B=Al.				
12S-1	✦	✣	●		2		2						12S-3 100º				A
12S-2	✦	✣	●		2		2						12S-3 250º				A
12S-3	✦	✚			2		2						70	145	215	290	A
12S-4		✚			1		1						-	-	-	-	D
12S-51		✣	●		2		2					🌡	12S-3 315º A=Ch.; B=Al.				
12S-54		✣	●		2		2					🌡	12S-3 315º A = Ir.; B=Con.				
12S-55		✣	●		2		2					🌡	12S-3 45º A=Cu; B=Con.				
12S-56		✣	●		2		2					🌡	12S-3 A=Al.; B=Ch.				
12S-57		✣	●		2		2					🌡	12S-3 60º A=Ch.; B=Al.				
12S-58		✣	●		2		2					🌡	12S-3 120º A=Ir.; B=Con.				
12S-59		✣	●		2		2					🌡	12S-3 A=Ir.; B=Con.				
12S-60		✣	●		2		2					🌡	12S-3 A=Cu; B=Con.				
12S-61		✣	●		2		2					🌡	12S-3 A=Ch.; B=Con.				
12S-62		✣	●		2		2					🌡	12S-3 A=Ch.; B=Al.				
12SL844	✦				4		4						-	-	-	-	I
12-5	✦	✚			1			1					-	-	-	-	D
14S-1	✦	✚			3		3						-	-	-	-	A
14S-2	✦	✚	●		4		4						-	120	240	-	I
14S-4	✦	✣	●		1		1						-	-	-		D
14S-5	✦	✚	●		5		5						-	110	-	-	I
14S-6	✦	✚	●		6		6						90	-	-	-	I
14S-7	✦	✚	●		3		3						90	180	270	-	A

Layouts by Shell Size

Mating Face view of pin inserts



Alternate Insert Position (Rotation)

SERIES KEY: **AIB** (●=GT) **AIT** (✚=MS; ✣=non QPL) **97** (✦=97) **P-lok** (▼) **Thermocouple** (🌡)
CONTACT METALLURGY KEY: **Alumel** (Al.) **Chromel** (Ch.) **Constantan** (Con.) **Copper** (Cu) **Iron** (Ir.)

LAYOUT	SERIES 97	AIT	AIB	P-lok	TOTAL	CONTACTS SIZES 20	16	12	8	4	0	🌡	DEGREES OF ROTATION W	X	Y	Z	SERVICE RATING
14S-9	✦	✚	●		2		2						70	145	215	290	A
14S-10	✦	✣	●		4		4						14S-2 100º				I
14S-11	✦	✣	●		4		4						14S-2 250°				I
14S-12	✦	✣	●		3		3						14S-1 100° X & Z are valid. Call for details.				A
14S-13	✦	✣	●		3		3						14S-1 260°				A
14S-14	✦	✣	●		4		4						14S-2 100°				I
14S-51		✣	●		2		2					🌡	14S-9 90° A=Al.; B=Ch.				
14S-52		✣	●		4		4					🌡	14S-2 45° A, B=Cu; C=Al.; D=Ch.				
14S-53		✣	●		2		2					🌡	14S-9 90° A=Ir.; B=Con.				
14S-54		✣	●		6		6					🌡	14S-6 45° A, C, E=Ir.; B, D, F=Con.				
14S-55		✣	●		4		4					🌡	14S-2 45° A, C=Ir.; B, D=Con.				
14S-56		✣	●		4		4					🌡	14S-2 45° A=Ir.; B=Con.; C, D=Cu				
14S-57		✣	●		4		4					🌡	14S-2 45° A, C=Al.; B, D=Ch.				
14S-58		✣	●		3		3					🌡	14S-7 45° A=Al.; B=Ch.; C=Cu				
14S-59		✣	●		2		2					🌡	14S-9 90° A=Cu; B=Con.				
14S-60		✣	●		2		2					🌡	14S-9 A=Al.; B=Ch.				
14S-61		✣	●		6		6					🌡	14S-6 45° A=Al.; B=Ch.; C=Ir.; D=Con.; E, F=Cu				
14S-63		✣	●		6		6					🌡	14S-6 A, C= Al.; B, D=Ch.; E=Ir.; F=Con.				
14S-64		✣	●		4		4					🌡	14S-2 A, C=Con.; B, D=Cu				
14S-65		✣	●		6		6					🌡	14S-6 A, C, E= Cu; B, D, F=Con.				
14S-67		✣	●		6		6					🌡	14S-6 A=Al.; B=Ch.; Balance=Cu				
14S-68		✣	●		4		4					🌡	14S-2 45° A=Ch.; B=Con.; C, D=Cu				
14S-69		✣	●		3		3					🌡	14S-7 A=Con.; B=Ch.; C=Cu				
14S-70		✣	●		4		4					🌡	14S-2 A, D=Ch.; B, C=Al.				
14S-71		✣	●		4		4					🌡	14S-2 A, B, D=Cu; C=Con.				
14S-72		✣	●		2		2					🌡	14S-9 A=Con.; B=Cu				
14S-73		✣	●		4		4					🌡	14S-2 A, B=Cu; C=Al.; D=Ch.				
14S-74		✣	●		4		4					🌡	14S-2 A, B=Ch.; C, D=Al.				
14S-75		✣	●		4		4					🌡	14S-2 A, B=Cu; C, D=Con.				
14S-76		✣	●		4		4					🌡	14S-2 A, C=Al.; B, D=Ch.				
14S-77		✣	●		4		4					🌡	14S-2 A, D=Al.; B, C=Ch.				
14S-78		✣	●		2		2					🌡	14S-9 A=Ch.; B=Al.				
14SA7		✣	●		7		7						-	-	-	-	A
14-3		✚			1				1				-	-	-	-	A
16S-1	✦	✚	●		7		7						80	-	-	280	A
16S-3		✚			1		1						-	-	-	-	B
16S-4	✦	✚	●		2		2						35	110	250	325	D
16S-5	✦	✚	●		3		3						70	145	215	290	A
16S-6	✦	✣	●		3		3						90	180	270	-	A

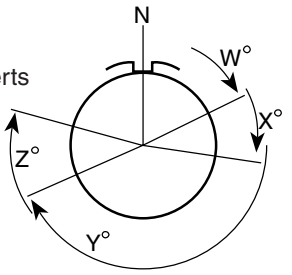
Layouts by Shell Size

SERIES KEY: **AIB** (●=GT) **AIT** (✚=MS; ✜=non QPL) **97** (✦=97) **P-lok** (▼) **Thermocouple** (🌡)
CONTACT METALLURGY KEY: **Alumel** (Al.) **Chromel** (Ch.) **Constantan** (Con.) **Copper** (Cu) **Iron** (Ir.)

LAYOUT	SERIES 97	AIT	AIB	P-lok	TOTAL	CONTACTS SIZES 20	16	12	8	4	0	🌡	DEGREES OF ROTATION W	X	Y	Z	SERVICE RATING
16S-8	✦	✚	●		5		5						-	170	265	-	A
16S-14	✦	✜	●		3		3						16S-4 110°				A
16S-15	✦	✜	●		2		2						16S-5 100°				D
16S-16	✦	✜	●		2		2						16S-4 250°				D
16S-17	✦	✜	●		3		3						16S-5 250°				A
16S-52		✜	●		2		2					🌡	16S-4 A=Ch.; B= Al.				
16S-54		✜	●		7		7					🌡	16S-1 A=Al.; B=C; Balance=Cu				
16S-55		✜	●		7		7					🌡	16S-1 A=Con.; Balance=Cu				
16SA18	✦	✜	●		7		7						16S-1 100°				A
16SA19	✦	✜	●		7		7						16S-1 260°				A
16SA20	✦	✜	●		7		7						16S-1 110°				A
16SA21	✦	✜	●		7		7						16S-1 250°				A
16-2		✚	●		1			1					-	-	-	-	E
16-7	✦	✚	●	▼	3		2		1				80	110	250	280	A
16-9	✦	✚	●	▼	4		2	2					35	110	250	325	A
16-10	✦	✚	●	▼	3			3					90	180	270	-	A
16-11	✦	✚	●	▼	2			2					35	110	250	325	A
16-12	✦	✚	●		1					1			-	-	-	-	A
16-13	✦	✚	●	▼	2			2				🌡	35	110	250	325	A=Ir.; B=Con.
16-52		✜	●		2			2				🌡	16-11 90° A=Al.; B=Ch.				
16-53		✜	●		4		2	2				🌡	16-9 70° A=Al.; C=Ch.; B, D=Cu				
16-55		✜	●		1			3				🌡	16-10 45° A=Al.; B=Ch.; C=Cu				
16-56		✜	●		2			2				🌡	16-13 90° A=Con.; B=Cu				
16-57		✜	●		3			3				🌡	16-10 A=Al.; B=Cu; C=Ch.				
16-58		✜	●		3			3				🌡	16-10 A=Con.; B, C=Cu				
16-59		✜	●		4			4					-	-	-	-	A
16-60		✜	●		2			2				🌡	16-13 A=Al.; B=Ch.				
16-62		✜	●		2			2				🌡	16-11 A=Con.; B=Cu				
18A31	✦	✜	●		10		10						18-1 110°				A(B,C,F,G) I(all others)
18-1	✦	✚	●	▼	10		10						70	145	215	290	A(B,C,F,G) I(all others)
18-3	✦	✚	●	▼	2			2					35	110	250	325	D
18-4	✦	✚	●		4		4						35	110	250	325	D
18-5	✦	✚	●	▼	3		1	2					80	110	250	280	D
18-6		✚	●		1					1			-	-	-	-	D
18-7		✜	●		1				1				-	-	-	-	B
18-8	✦	✚	●	▼	8		7	1					70	-	-	290	A
18-9	✦	✚	●	▼	7		5	2					80	110	250	280	I
18-10	✦	✚	●	▼	4			4					-	120	240	-	A
18-11	✦	✚	●	▼	5			5					-	170	265	-	A
18-12	✦	✚	●		6		6						80	-	-	280	A
18-13	✦	✚	●	▼	4			3	1				80	110	250	280	A
18-14		✜		▼	2		1			1			80	110	250	280	A
18-15	✦	✚	●		4			4				🌡	-	120	240	-	A,C=Ir. B,D=Con.
18-16	✦	✜	●		1			1					-	-	-	-	C
18-17	✦	✜	●		7		5	2					18-9 100°				I
18-18	✦	✜	●		7		5	2					18-9 250°				I
18-19	✦	✜	●	▼	10		10						80	120	240	-	A
18-20	✦	✜	●		5		5						90	180	270	-	A
18-22	✦	✜	●	▼	3		3						70	145	215	290	D
18-23	✦	✜	●		10		10						18-1 100°				A(B,C,F,G) I(all others)

Layouts by Shell Size

Mating Face view of pin inserts



Alternate Insert Position (Rotation)

SERIES KEY: **AIB** (●=GT) **AIT** (✚=MS; ✣=non QPL) **97** (✦=97) **P-lok** (▼) **Thermocouple** (🌡)
CONTACT METALLURGY KEY: **Alumel** (Al.) **Chromel** (Ch.) **Constantan** (Con.) **Copper** (Cu) **Iron** (Ir.)

LAYOUT	SERIES 97	AIT	AIB	P-lok	TOTAL	CONTACTS SIZES 20	16	12	8	4	0	🌡	DEGREES OF ROTATION W	X	Y	Z	SERVICE RATING
18-24	✦	✣	●		10		10						18-1 250°				A(B,C,F,G) I(all others)
18-25	✦	✣	●		2			2					18-3 100°				D
18-26	✦	✣	●		2			2					18-3 250°				D
18-27	✦	✣	●		3		1	2					18-5 100°				D
18-28	✦	✣	●		3		1	2					18-5 250°				D
18-29	✦	✣	●	▼	5		5						90	180	270	-	A
18-30	✦	✣	●		5		5						18-20 110°				A
18-31	✦	✣	●		5		5						18-20 260°				A
18-420	✦				1 HV								24 KVdc, 17 KVac				
18-51		✣	●		6		6					🌡	18-12 A=Ir.; B, E=Con.; D=Cu; C, F=Dummy				
18-52		✣	●		5			5				🌡	18-11 A=Ir.; B=Con.; C=Ch.; D=Al.; E=Dummy				
18-53		✣	●		6		6					🌡	18-12 A, D=Ir.; B, E=Con.; C, F=Dummy				
18-54		✣	●		4			4				🌡	18-15 A, C=Al.; B, D=Ch.				
18-56		✣	●		10		10					🌡	18-1 45° A, C, E, G, I=Ir.; B, D, F, H, J=Con.				
18-57		✣	●		6		6					🌡	18-12 45° A, C, E=Al.; B, D, F=Ch.				
18-59		✣	●		6		6					🌡	18-12 45° A, C=Ir.; B, E, F=Con.; D=Cu				
18-60		✣	●		5			5				🌡	18-11 45° A, D=Al.; B, C,=Ch.; E=Cu				
18-61		✣	●		6		6					🌡	18-12 A, C=Ir.; B, D=Con.; E=Ch.; F=Al.				
18-62		✣	●		6		6					🌡	18-12 A, B, C=Ir.; D, E, F=Con.				
18-63		✣	●		4			4				🌡	18-15 A, C=Con.; B, D=Cu				
18-65		✣	●		6		6					🌡	18-12 A=Ir.; B=Con.; Balance=Cu				
18-66		✣	●		10		10					🌡	18-1 A, C, E, G, I=Cu; B, D, F, H, J=Con.				
18-67		✣	●		6		6					🌡	18-12 A, C, E=Cu; B, D, F=Con.				
18-68		✣	●		5			5				🌡	18-11 A, D=Al.; B, C=Ch.; E=Cu				
18-69		✣	●		10		10					🌡	18-1 A=Al.; B=Ch.; Balance=Cu				
18-70		✣	●		5			5				🌡	18-11 A=Ir.; B=Con.; C=Ch.; D=Al.; E=Cu				
18-71		✣	●		4			4				🌡	18-15 A=Con.; Balance=Cu				
18-72		✣	●		4			4				🌡	18-15 D=Con.; Balance=Cu				
18-73		✣	●		7		5	2				🌡	18-9 A=Al.; D=Ch.; Balance=Cu				
18-74		✣	●		6		6					🌡	18-12 A=Ch.; B=Al.; D=Ir.; E=Cu; C, F=Con.				
20A16	✦				13		13						20-11 182°				I
20A37	✦				4			4					20-4 250°				D
20-2		✣	●		1						1		-	-	-	-	D
20-3	✦	✣	●	▼	3			3					70	145	215	290	D
20-4	✦	✚	●	▼	4			4					45	110	250	-	D
20-6	✦	✣	●	▼	3		3						70	145	215	290	D
20-7	✦	✚	●	▼	8		8						80	110	250	280	A(B,C,F,G) I(all others)
20-8	✦	✚	●		6		4		2				80	110	250	280	I
20-11	✦	✚	●	▼	13		13						-	-	-	-	I

Layouts by Shell Size

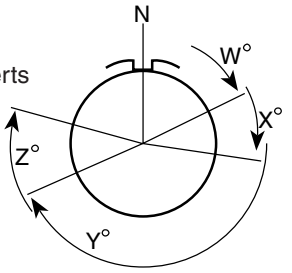
SERIES KEY: **AIB** (●=GT) **AIT** (✚=MS; ✣=non QPL) **97** (✦=97) **P-lok** (▼) **Thermocouple** (🌡)
CONTACT METALLURGY KEY: **Alumel** (Al.) **Chromel** (Ch.) **Constantan** (Con.) **Copper** (Cu) **Iron** (Ir.)

LAYOUT	SERIES 97	AIT	AIB	P-lok	TOTAL	CONTACTS SIZES 20	16	12	8	4	0	🌡	DEGREES OF ROTATION W	X	Y	Z	SERVICE RATING
20-14	✦	✚	●		5			3	2				80	110	250	280	A
20-15	✦	✚	●	▼	7			7					80	-	-	280	A
20-16	✦	✚	●	▼	9		7	2					80	110	250	280	A
20-17	✦	✣	●	▼	6		1	5					90	180	270	-	A
20-18	✦	✚	●	▼	9		6	3					35	110	250	325	A
20-19	✦	✚	●	▼	3				3				90	180	270	-	A
20-20		✣	●		4			3		1			80	110	250	280	A
20-21	✦	✚	●	▼	9		8	1					35	110	250	325	A
20-22		✚	●		6		3		3				80	110	250	280	A
20-23	✦	✚	●	▼	2				2				35	110	250	325	A
20-24	✦	✚	●		4		2		2				35	110	250	325	A
20-25	✦	✣	●		13		13						20-11 100°				I
20-27	✦	✚	●	▼	14		14						35	110	250	325	A
20-29	✦	✚	●	▼	17		17						80	-	-	280	A
20-30	✦	✚	●		13		13						20-11 250°				I
20-32	✦	✣	●		8		8						20-7 260°				A(B,C,F,G) I(all others)
20-33	✦	✚	●	▼	11		11						-	-	-	280	A
20-51		✣	●		3				3				-	-	-	-	A
20-52		✣	●		4			4				🌡	20-4 315° A=Ir.; B=Con.; C=Ch.; D=Al.				
20-56		✣	●		8		8					🌡	20-7 45° A, B, G, H=Ir.; C, D, E, F=Con.				
20-57		✣	●		7‡			7‡					-	-	-	-	A
20-58		✣	●		10		5	5					-	-	-	-	A
20-59		✣	●		3‡				3				-	-	-	-	A
20-60		✣	●		8		8					🌡	20-7 45° D=Ch.; E=Al.; Balance=Cu				
20-61		✣	●		17		17					🌡	20-29 45° A, B, M=Cu; Balance=Con.				
20-62		✣	●		7			7				🌡	20-15 80° A, C, E=Al.; B, D, F=Ch.; G=Cu				
20-64		✣	●		14		14					🌡	20-27 A=Al.; C=Ch.; Balance=Cu				
20-65		✣	●		14		14					🌡	20-27 A, B, C, D, E, F, G=Ir.; H, I, J, K, L, M, N=Con.				
20-66		✣	●		6‡		5‡	1					-	-	-	-	A
20-67		✣	●		9		7	2				🌡	20-16 H=Al.; I=Ch.; Balance=Cu				
20-68		✣	●		8		8					🌡	20-7 A, B, G, H=Con.; C, D, E, F=Cu				
20-69		✣	●		14		14					🌡	20-27 A, B, C, D, E, F, G=Cu; H, I, J, K, L, M, N=Con.				
20-70		✣	●		17		17					🌡	20-29 A, C, E, G, J, L, N, R, T=Ir.; B, D, F, H, K, M, P, S=Con.				
20-71		✣	●		17		17					🌡	20-29 S=Al.; R=Ch.; Balance=Cu				
20-74		✣	●		17		17					🌡	20-29 A, C, E, G, J, L, N, R=Ir.; B, D, F, H, K, M, P, S=Con.;T=Cu				
20-75		✣	●		7			7				🌡	20-15 G=Al.; Balance=Ch.				
20-77		✣	●		9		7	2				🌡	20-16 A=Con.; Balance=Cu				
20-79		✣	●		8		7	1					-	-	-	-	A/D
20-80		✣	●		14		14					🌡	20-27 A, C, E, G, I, K, M=Cu; B, D, F, H, J, L, N=Con.				
20-81		✣	●		14		14					🌡	20-27 A, C, E, G, I, K, M=Ch.; B, D, F, H, J, L, N=Al.				
20-82		✣	●		17		17					🌡	20-29 A, C, E, G, J, L, N, R=Al.; B, D, F, H, K, M, P, S=Ch.; T=Cu				
22-1	✦	✚	●	▼	2				2				35	110	250	325	D
22-2	✦	✚	●	▼	3				3				70	145	215	290	D
22-4	✦	✚	●		4			2	2				35	110	250	325	A
22-5	✦	✚	●	▼	6		4	2					35	110	250	325	D
22-6		✚	●		3		1		2				80	110	250	280	D
22-7		✚	●		1						1			-	-	-	- E
22-8	✦	✣	●	▼	2			2					35	110	250	325	E
22-9	✦	✚	●	▼	3			3					70	145	215	290	E

‡ = Reduced contact crimp pot

Layouts by Shell Size

Mating Face view of pin inserts



Alternate Insert Position (Rotation)

SERIES KEY: **AIB** (●=GT) **AIT** (✚=MS; ✣=non QPL) **97** (✦=97) **P-lok** (▼) **Thermocouple** (🌡)
CONTACT METALLURGY KEY: **Alumel** (Al.) **Chromel** (Ch.) **Constantan** (Con.) **Copper** (Cu) **Iron** (Ir.)

LAYOUT	SERIES 97	AIT	AIB	P-lok	TOTAL	CONTACTS SIZES 20	16	12	8	4	0	🌡	DEGREES OF ROTATION W	X	Y	Z	SERVICE RATING
22-10	✦	✚	●	▼	4		4						35	110	250	325	E
22-11	✦	✚	●	▼	2		2						35	110	250	325	B
22-12	✦	✣	●		5		3		2				80	110	250	280	A
22-13	✦	✣	●	▼	5		1	4					35	110	250	325	A(A-D) D(E)
22-14	✦	✚	●	▼	19		19						80	110	250	280	A
22-15	✦	✚	●	▼	6		1	5					80	110	250	280	A(A-C, E, F) E(D)
22-16	✦	✚	●	▼	9		6	3					80	110	250	280	A
22-17		✣	●		9		8	1					80	110	250	280	D(A) A(all others)
22-18	✦	✚	●	▼	8		8						80	110	250	280	A(C-E) D(all others)
22-19	✦	✚	●	▼	14		14						80	110	250	280	A
22-20	✦	✣	●	▼	9		9						35	110	250	325	A
22-21		✣	●		3		2				1		80	110	250	280	A
22-22	✦	✚	●		4				4				-	110	250	-	A
22-23	✦	✚	●	▼	8			8					35	-	250	-	D(H) A(all others)
22-24		✣	●		6		4	2					80	110	250	280	D(C, D, E) A(A, B, F)
22-26	✦				7		5	2									
22-27	✦	✚	●	▼	9		8		1				80	-	250	280	D(J) A(all others)
22-28	✦	✣	●	▼	7			7					80	-	-	280	A
22-30	✦	✣	●		19		19						22-14	100°			A
22-31	✦	✣	●		2		2						22-11	100°			B
22-32	✦	✣	●		6		4	2					22-5	260°			D
22-34	✦	✚		▼	5		2	3					80	110	250	280	D
22-57		✣	●		19		19					🌡	22-14	45°	A, C, E, G, J, L, N, R=Ir.; B, D, F, H, K, M, P, S=Con.; T, U, V=Cu			
22-60		✣	●		19		19					🌡	22-14	45°	U=Al.; N=Ch.; Balance=Cu		
22-62		✣	●		8			8				🌡	22-23	60°	A, B, F, G=Al.; C, D, E, H=Ch.		
22-63		✣	●		12		8	4					-	-	-	-	A
22-65		✣	●		8‡		8‡						-	-	-	-	A/D
22-68		✣	●		14		24					🌡	22-19	45°	A, C, E, G, J, L, M=Ir.; B, D, F, H, K, P, N=Con.		
22-69		✣	●		14		19					🌡	22-19	45°	A, C, E, G, J, L, M=Cu; B, D, F, H, K, P, N=Con.		
22-70		✣	●		13		5	8					-	-	-	-	A
22-71		✣	●		19		4	2				🌡	22-14	V=Al.; U=Ch.; Balance=Cu			
22-72		✣	●		6		4	2				🌡	22-5	B=Al.; E=Ch.; Balance=Cu			
22-73		✣	●		6			8				🌡	22-5	E=Al.; B=Ch.; Balance=Cu			
22-74		✣	●		8			8				🌡	22-23	A, C, E, G=Ir.; B, D, F, H=Con.			
22-75		✣	●		8							🌡	22-23	A=Al.; B, D, G, H=Cu; C=Ch.; E=Ir.; F=Con.			
22-76		✣	●		21							🌡		W=Con.; Balance=Cu			
22-77		✣	●		14							🌡	22-19	B, D, F, H, J, K, M, P=Cu; A, E, L=Ir.; C, G, N=Con.			
22-78		✣	●		19							🌡	22-14	A, C, E, G, H, K, M, P, R, T=Con.; Balance=Cu			

‡ = Reduced contact crimp pot

Layouts by Shell Size

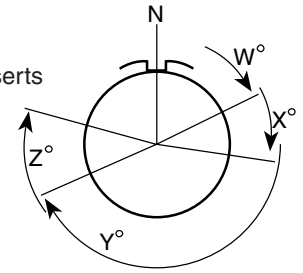
SERIES KEY: **AIB** (●=GT) **AIT** (✚=MS; ✣=non QPL) **97** (✦=97) **P-lok** (▼) **Thermocouple** (🌡)
CONTACT METALLURGY KEY: **Alumel** (Al.) **Chromel** (Ch.) **Constantan** (Con.) **Copper** (Cu) **Iron** (Ir.)

LAYOUT	SERIES 97	AIT	AIB	P-lok	TOTAL	CONTACTS SIZES 20	16	12	8	4	0	🌡	DEGREES OF ROTATION W	X	Y	Z	SERVICE RATING
22-79		✣	●		4							🌡	22-10 A, C,=Con.; B, D=Cu				
22-80			●		3‡				3‡				-	-	-	-	A
24A35		✣	●		16		14	2					24-7 100°				A
24-2	✦	✚	●	▼	7			7					80	-	-	280	D
24-3		✣	●		7		5	2					80	110	250	280	D
24-5	✦	✚	●	▼	16		16						80	110	250	280	A
24-6	✦	✣	●	▼	8			8					80	110	250	280	D(A,G,H) A(all others)
24-7	✦	✚	●	▼	16		14	2					80	110	250	280	A
24-9	✦	✚	●	▼	2					2			35	110	250	325	A
24-10	✦	✚	●	▼	7				7				80	-	-	280	A
24-11	✦	✚	●	▼	9			6	3				35	110	250	325	A
24-12	✦	✚	●		5			3		2			80	110	250	280	A
24-15		✣	●		16		16						24-5 100°				A
24-16	✦	✣	●	▼	7		3	3	1				80	110	250	280	D(A,B, F, G) A(C, D, E)
24-17		✣	●		5		3	2					80	110	250	280	D
24-19	✦				12		12						-	-	-	-	A
24-20	✦	✚	●	▼	11		9	2					80	110	250	280	D
24-21	✦	✚	●	▼	10		9		1				80	110	250	280	D
24-22	✦	✚	●		4				4				45	110	250	-	D
24-24	✦	✣	●		16		16						24-5 250°				A
24-25	✦	✣	●		8			8					24-6 100°				D(A, G, H) A(all others)
24-26	✦	✣	●		8			8					24-6 250°				D(A, G, H) A(all others)
24-27	✦	✚	●	▼	7		7						80	-	-	280	E
24-28	✦	✚	●	▼	24		24						80	110	250	280	I
24-51		✣	●		5				5				-	-	-	-	A
24-52		✣	●		1 HV			1					30 KVdc, 21 KVac				
24-53		✣	●		5				5				-	-	-	-	A
24-56		✣	●		11		9	2				🌡	24-20 45° E=Al.; F=Ch.; Balance=Cu				
24-57		✣	●		24		24					🌡	24-28 45° A, C, J, V, Y, W, K, E, H, U, S, M=Ch.; Balance=Al.				
24-58		✣	●		13		7	3	3				-	-	-	-	A
24-59		✣	●		14		7	7					-	-	-	-	A
24-60		✣	●		7‡				7‡				-	-	-	-	A
24-62		✣	●		24		24					🌡	24-28 A, C, E, G=Ir.; B, D, F, H=Con.; R, T=Ch.; S, U=Al.; Balance=Cu				
24-63		✣	●		24		24 16					🌡	24-28 A, C, E, G, J, L, K, N, S, U, W, Y=Cu; B, D, F, H, Q, R, M, P, T, V, X, Z=Con.				
24-64		✣	●		16		14					🌡	24-5 A, B, C, D, E, F, G, H=Ir.; J, K, L, M, N, P, R, S=Con.				
24-65		✣	●		15		4	11					-	-	-	-	A
24-66		✣	●		7			7					-	-	-	-	D
24-67		✣	●		19			19					80	-	-	335	I
24-68		✣	●		24		14					🌡	24-28 D=Con.; Balance=Cu				
24-71		✣	●		7‡				7‡				-	-	-	-	A
24-75		✣	●		7‡				7‡				-	-	-	-	A
24-79		✣	●		5				5				-	108	-	-	A
24-80		✣	●		23		23						-	-	-	-	I
24-81		✣	●		16							🌡	24-7 A, C, E, G, I, K, M, N, P=Cu; B, D, F, H, J, L, O=Con.				
24-84		✣	●		19			19(18)					-	-	-	-	A/Coax
24-96		✣	●		28		28						-	-	-	-	I
24-AJ		✣	●		25		25						80	110	250	280	A
28-1	✦	✚	●	▼	9			6	3				80	110	250	280	D(A, E, J) A(all others)

‡ = Reduced contact crimp pot
( ) = Number of contacts that are coax

Layouts by Shell Size

Mating Face view of pin inserts



Alternate Insert Position (Rotation)

SERIES KEY: **AIB** (●=GT) **AIT** (✚=MS; ✣=non QPL) **97** (✦=97) **P-lok** (▼) **Thermocouple** (🌡)
CONTACT METALLURGY KEY: **Alumel** (Al.) **Chromel** (Ch.) **Constantan** (Con.) **Copper** (Cu) **Iron** (Ir.)

LAYOUT	SERIES 97	AIT	AIB	P-lok	TOTAL	CONTACTS SIZES 20	16	12	8	4	0	🌡	DEGREES OF ROTATION W	X	Y	Z	SERVICE RATING
28-2	✦	✚	●	▼	14		12	2					35	110	250	325	D
28-3	✦	✚	●	▼	3				3				70	145	215	290	E
28-4		✣	●		9		7	2					80	110	250	280	E(G, P, S) D(all others)
28-5		✣	●		5		2	1		2			35	110	250	325	D
28-6	✦	✣	●	▼	3					3			70	145	215	290	D
28-7		✣	●		2					2			35	110	250	325	D
28-8	✦	✣	●	▼	12		10	2					80	110	250	280	E(L, M) B(D) A(all others)
28-9	✦	✚	●	▼	12		6	6					80	110	250	280	D
28-10	✦	✚	●	▼	7			3	2	2			80	110	250	280	D(G) A(all others)
28-11	✦	✚	●	▼	22		18	4					80	110	250	280	A
28-12	✦	✚	●	▼	26		26						90	180	270	-	A
28-13	✦	✣	●		26		26						28-12 100°				A
28-14		✣	●		11		11						80	110	250	280	D
28-15	✦	✚	●		35		35						80	110	250	280	A
28-16	✦	✚	●	▼	20		20						80	110	250	280	A
28-17	✦	✚	●	▼	15		15						80	110	250	280	A(A-L) B(R) D(M-P)
28-18	✦	✚	●	▼	12		12						70	145	215	290	E(M) D(G, H, J, K, L) A(A, B) I(C, D, E, F)
28-19	✦	✚	●	▼	10		6	4					80	110	250	280	A(C, E, G, J, K, L) B(H, M) D(A, B)
28-20	✦	✣	●	▼	14		4	10					80	110	250	280	A
28-21	✦	✚	●		37		37						80	110	250	280	A
28-22		✣	●		6		3			3			70	145	215	290	D
28-51		✣	●		12			12					80	135	195	-	A
28-53		✣	●		22		18	4				🌡	28-11 45° J, L=Al.; K, M=Ch.; Balance=Cu				
28-58		✣	●		14		4	10				🌡	28-20 45° A, C, E, G, K, M=Al.; B, D, F, H, L, N=Ch.; J, P=Cu				
28-59		✣	●		17		10	7					-	-	-	-	A
28-61		✣	●		37		37					🌡	28-21 45° A, C, J, Z, m, r, n, a, K, F, H, X, k, h, T, M, N, d=Ir.; Balance=Con.				
28-63		✣	●		14		4	10				🌡	28-20 45° A, C, E, G, J=Al.; B, D, F, H, P=Ch.; Balance=Cu				
28-64		✣	●		35		35					🌡	28-15 A, d=Al.; B, j=Ch.; C, D, E, F, G, N, P, R, S, H, J, K, L, M, W, X, Y, Z=Con.;Balance=Cu				
28-65		✣	●		26		26					🌡	28-12 A, C, E, G, J, L, N, R, T, V=Ir.; X, Z=Al.; B, D, F, H, K, M, P, S, U, W=Con.;Y, a=Ch.; b, d=Cu				
28-66		✣	●		16			14	2				-	-	-	-	A
28-72		✣	●		3					3(3)			-	-	-	-	Coax
28-74		✣	●		16‡		9		7‡				-	-	-	-	A
28-75		✣	●		16‡		9		7‡				-	-	-	-	A
28-79		✣	●		16		9		7				-	-	-	-	A
28-82		✣	●		6			4	2				-	-	-	-	D
28-84		✣	●		9				9				-	-	-	-	A

‡ = Reduced contact crimp pot ( ) = Number of contacts that are coax

Layouts by Shell Size

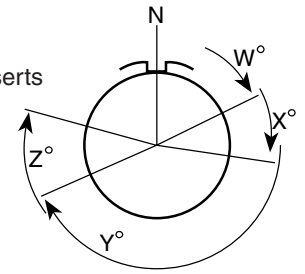
SERIES KEY: **AIB** (●=GT) **AIT** (✚=MS; ✣=non QPL) **97** (✦=97) **P-lok** (▼) **Thermocouple** (🌡)
CONTACT METALLURGY KEY: **Alumel** (Al.) **Chromel** (Ch.) **Constantan** (Con.) **Copper** (Cu) **Iron** (Ir.)

LAYOUT	SERIES 97	AIT	AIB	P-lok	TOTAL	CONTACTS SIZES 20	16	12	8	4	0	🌡	DEGREES OF ROTATION W	X	Y	Z	SERVICE RATING
28-67		✣	●		20		20					🌡	28-16 U=Con.; Balance=Cu				
28-68		✣	●		35		35					🌡	28-15 45° T=Al.; U=Ch.; Balance=Cu				
28-69		✣	●		22		18	4				🌡	28-11 G=Al.; R=Ch.; Balance=Cu				
28-70		✣	●		22		18	4				🌡	28-11 A=Al.; B=Ch.; Balance=Cu				
28-77		✣	●		22		18	4				🌡	28-11 J=Con.; Balance=Cu				
28-81		✣	●		37		37					🌡	28-21 A, D, S, Z, n, s=Ir.; B, J, K, f, g, r=Con.; G, L, P, b, e, j=Al.; F, H, T, X, h, k=Ch.; Balance=Cu				
28-AY		✣	●		9		5			4			-	-	-	-	A
32A29		✣	●		23		16	2	3	2			32-6 250°				A
32A30		✣	●		5			3		2			32-1 100°				E(A) D(all others)
32-1		✚			5			3			2		80	110	250	280	E(A) D(all others)
32-2		✚	●		5		2			3			70	145	215	290	E
32-3		✚	●		9		4	2		2	1		80	110	250	280	D
32-4		✣	●		14		2	12					80	110	250	280	A(F, J, K, N) D(all others)
32-5	✦	✚	●		2						2		35	110	250	325	D
32-6	✦	✚	●		23		16	2	3	2			80	110	250	280	A
32-7	✦	✚	●		35		28	7					80	125	235	280	I(A, B, H, J) A(all others)
32-8	✦	✚	●		30		24	6					80	125	235	280	A
32-9		✣	●		14		12			2			80	110	250	280	D
32-10		✣	●		7		3		2	2			80	110	250	280	E(A, F) B(G) D(E) A(D)
32-12		✣	●		15		10	5					80	110	250	280	A(C, D, E, F, G) D(all others)
32-13		✚	●		23		18	5					80	110	250	280	D
32-15		✣	●		8			6			2		35	110	250	280	D
32-16		✣	●		23		16	2	3	2			-	-	-	-	A
32-17	✦	✚	●		4					4			45	110	250	-	D
32-19		✣	●		5			3			2		32-1 260°				E(A) D(all others)
32-20		✣	●		23		16	2	3	2			32-6 260°				A
32-22		✣	●		54		54						80	110	250	280	A
32-25		✣	●		25			25					60	125	-	-	A
32-31		✣	●		31		31						80	125	215	280	A
32-51		✣	●		30		24	6				🌡	32-8 90°M=Ch.; N= Al.; Balance=Cu				
32-52		✣	●		8			6			2		-	-	-	-	D
32-53		✣	●		42		37	5					-	-	-	-	I/E
32-55		✣	●		30		24	6				🌡	32-8 125°M, N=Ch.; O, P=Al.; Balance=Cu				
32-56		✣	●		30‡		24	6					-	-	-	-	A
32-57		✣	●		8			6			2(2)		-	-	-	-	Coax
32-58		✣	●		4					4(4)			-	-	-	-	Coax
32-60		✣	●		23		15		8(8)				-	-	-	-	A/Coax
32-62		✣	●		23		16	2	3 (2)	2			-	-	-	-	A/Coax
32-64		✣	●		54		54						-	-	-	-	I
32-68		✣	●		16		12			4(4)			65	135	225	275	A/Coax
32-73		✣	●		46		46						36	68	-	-	A
32-75		✣	●		9			2	7(7)				-	-	-	-	Coax
32-76		✣	●		19			19					80	110	250	280	A
32-79		✣	●		5				1	4			-	-	-	-	D
32-82		✣	●		16		12			4			-	-	-	-	A
32-414	✦				52		52						-	-	-	-	A

‡ = Reduced contact crimp pot
( ) = Number of contacts that are coax

Layouts by Shell Size

Mating Face view of pin inserts



Alternate Insert Position (Rotation)

SERIES KEY: **AIB** (●=GT) **AIT** (✚=MS; ✜=non QPL) **97** (✦=97) **P-lok** (▼) **Thermocouple** (🌡)
CONTACT METALLURGY KEY: **Alumel** (Al.) **Chromel** (Ch.) **Constantan** (Con.) **Copper** (Cu) **Iron** (Ir.)

LAYOUT	SERIES 97	AIT	AIB	P-lok	TOTAL	CONTACTS SIZES 20	16	12	8	4	0	🌡	DEGREES OF ROTATION W	X	Y	Z	SERVICE RATING
32-AF		✜	●		55		55						80	110	250	280	A
36-1	✦	✜	●		22								80	110	250	280	D
36-3		✜	●		6			3			3		70	145	215	290	D
36-4		✜	●		3						3		70	145	215	290	A(B, C) D(A)
36-5	✦	✚	●		4						4		45	120	240	-	A
36-6	✦	✚	●		6					4	2		35	110	250	325	A
36-7	✦	✚	●		47		40	7					80	110	250	280	A
36-8	✦	✚	●		47		46	1					80	110	250	280	A
36-9	✦	✚	●		31		14	14	2	1			80	125	235	280	A
36-10	✦	✚	●		48		48						80	125	235	280	A
36-11	✦	✜	●		48		48						36-10 100°				A
36-12	✦	✜	●		48		48						36-10 250°				A
36-14		✜	●		16		6	5	5				90	180	270	-	D
36-15	✦	✚	●		35		35						60	125	245	305	D(m) A(all others)
36-16		✜	●		47		40	7					36-7 100°				A
36-17		✜	●		47		40	7					36-7 250°				A
36-18		✜	●		31		14	14	2	1			36-9 100°				A
36-20		✜	●		34		30	2	2				-	-	-	-	A
36-21		✜	●		31		14	14	2	1			36-9 260°				A
36-51		✜	●		4					2	2		-	-	-	-	D
36-52		✜	●		52		52						-	-	-	-	A
36-54		✜	●		39		31		8				-	110	-	-	A
36-55		✜	●		39‡		31		8‡				-	-	-	-	A
36-59		✜	●		53‡		50	3‡					-	-	-	-	A
36-60		✜	●		47‡		40	7‡					-	-	-	-	A
36-64		✜	●		4						4(4)		-	-	-	-	Coax
36-65		✜	●		4						4(4)		-	-	-	-	Coax
36-71		✜	●		53		50	3					-	-	-	-	A
36-73		✜	●		7					7(7)			81	279	-	-	Coax
36-74		✜	●		44		44						-	-	-	-	A
36-75		✜	●		48‡		48‡						-	-	-	-	A
36-76		✜	●		47		47						-	-	-	-	A
36-77		✜	●		7					7			81	279	-	-	D
36-78		✜	●		14		2		12				85	106	254	325	A
36-79		✜	●		20			20					30	110	250	330	A
36-80		✜	●		20‡			20‡					30	110	250	330	A
36-83		✜	●		7					7(7)			81	279	-	-	Coax
36-403	✦				52		52						-	-	-	-	A
36-85		✜	●		35‡		35‡						-	-	-	-	A/D

‡ = Reduced contact crimp pot
( ) = Number of contacts that are coax

Layouts by Shell Size

SERIES KEY: **AIB** (●=GT) **AIT** (✚=MS; ✣=non QPL) **97** (✦=97) **P-lok** (▼) **Thermocouple** (🌡)
CONTACT METALLURGY KEY: **Alumel** (Al.) **Chromel** (Ch.) **Constantan** (Con.) **Copper** (Cu) **Iron** (Ir.)

LAYOUT	SERIES 97	AIT	AIB	P-lok	TOTAL	CONTACTS SIZES 20	16	12	8	4	0	🌡	DEGREES OF ROTATION W	X	Y	Z	SERVICE RATING
36-53		✣	●		47		40	7				🌡	36-7 45° u, v, w=Al.; x, y, z=Ch.; Balance=Cu				
36-56		✣	●		48		48					🌡	36-10 A, C, E, G, L, J, H, P, R, T, V, X, Z, b, d, f, h, k, q, n, m, u, w, y=Con.; Balance=Cu				
36-57		✣	●		47		40	7				🌡	36-8 W=Al.; f=Ch.; Balance=Cu				
36-58		✣	●		35		35					🌡	36-15 H=Al.; G=Ch.; Balance=Cu				
36-61		✣	●		35		35					🌡	36-15 A, C, E, J, K, L, M, N, P, R, T, V, f, X, Y, h, j, c=Con.; Balance=Cu				
36-62		✣	●		48		48					🌡	36-10 A, C, E=Al.; B, D, F=Ch.; Balance=Cu				
36-82		✣	●		52		52					🌡	36-52 v, g=Ir.; p, y, c=Con. x=Ch.; Balance=Cu				
36-AF		✣	●		48		48						-	-	-	-	A
40-1		✚	●		30		24	4					65	130	235	300	D
40-5		✣	●		5						5		33	-	-	270	A
40-9		✚	●		47		24	22	1				65	125	225	310	A
40-10		✣	●		29		16		9	4			-	-	-	-	A
40-35		✣	●		35			35					70	130	230	290	D
40-53		✣	●		60		60						80	110	250	280	A
40-56		✚	●		85		85						72	144	216	288	A
40-57		✣	●		4						4		30	150	-	-	E
40-61		✣	●		59		55	3	1				-	-	-	-	A
40-62		✚	●		60		60						-	-	-	-	A
40-63		✣	●		61‡		61‡						-	-	-	-	A
40-64		✣	●		36		20	3	13(13)				-	-	-	-	Coax
40-66		✣	●		4						4(4)		-	-	-	-	Coax
40-67		✣	●		11		1			10(10)			-	-	-	-	A/Coax
40-68		✣	●		21				21				-	-	-	-	A
40-70		✣	●		61		61						-	-	-	-	A
40-72		✣	●		11		1			10(10)			-	-	-	-	A/Coax
40-73		✣	●		61		61						-	-	-	-	A
40-74		✣	●		6			1		1(1)	4(4)		-	-	-	-	A/Coax
40-75		✣	●		5			1			4		-	-	-	-	E
40-80		✣	●		11		1			10			80	-	-	280	A
40-81		✣	●		62‡		62‡						-	-	-	-	A
40-85		✣	●		60‡		60‡						-	-	-	-	A
40-86		✣	●		4						4(4)		-	-	-	-	E/Coax
40-87		✣	●		7					7			37	74	285	322	D
40-58		✣	●		85		85					🌡	40-56 A, C, E, H, K, M, P, S, U, W, Y, a, c, f, h, j, m, p, r, t, v, x, z, AB, AD, AF, AJ, AL,AN, AP, AS, AU, AW, AY, BA, BC, BE, BH, BK, BM, BP, BS, BU=Ir.; Balance=Con.				
40-59		✣	●		85		85					🌡	40-56 B=Ch.; C=Con.; Balance=Cu				
40-77		✣	●		60		60					🌡	40-56 55, 60=Ir.; 57, 58, 59=Con.; 56=Ch.; Balance=Cu				
40-78		✣	●		60		60					🌡	40-53 50, 51=Ir.; 27, 28, 29, 31, 32, 34, 36, 37=Con.; 25, 39, 40, 41=Al.; 43,44,45, 46, 47, 48, 49, 52, 53, 54=Ch.; Balance=Cu				
40-AG		✣	●		38			38					37	74	285	322	A

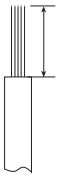
‡ = Reduced contact crimp pot
( ) = Number of contacts that are coax

Special Inserts Available

LAYOUT	SERIES 97	AIT	AIB	P-lok	TOTAL	CONTACT SIZES 20	16	12	8	4	0	🌡	DEGREES OF ROTATION W	X	Y	Z	SERVICE RATING
32-48		✣	●		48		48						80	*	*	*	I
32-59		✣	●		42		40		2				*	*	*	*	A
40-82		✣	●		62		62						*	*	*	*	A
40-AD		✣	●		8				4		4		*	*	*	*	A
40-AT		✣	●		43		18	24	1				*	*	*	*	A
40-AV		✣	●		3						3#2/0		*	*	*	*	D

* Call for details.

Pin & Socket Crimp Contacts

PIN CONTACT	SOCKET CONTACT	WIRE STRIP LENGTH	WIRE RANGE
			

CONTACT SIZE	WIRE SIZE	PART NUMBER					WIRE STRIP LENGTHS INCHES (mm)	WIRE SEALING RANGE INCHES (mm)
		PIN CONTACT		SOCKET CONTACT				
		SILVER	GOLD	SILVER	GOLD			
16S	16-18-20	**AIC16S-16P**	**AIC16S-16PG**	**AIC16S-16S**	**AIC16S-16SG**		.312 (7.9)	.090-.118 (2.3-3.0)
	12-14	AIC16S-12P	AIC16S-12PG	AIC16S-12S	AIC16S-12SG	C4		
	14-16	AIC16S-14P	AIC16S-14PG	AIC16S-14S	AIC16S-14SG	C3		
	18-20	AIC16S-20P	AIC16S-20PG	AIC16S-20S	AIC16S-20SG	C13		
	20-22	AIC16S-22P	AIC16S-22PG	AIC16S-22S	AIC16S-22SG	C14		
	22-24	AIC16S-24P	AIC16S-24PG	AIC16S-24S	AIC16S-24SG	C2		
16	16-18-20	**AIC16-16P**	**AIC16-16PG**	**AIC16-16S**	**AIC16-16SG**			
	12-14	AIC16-12P	AIC16-12PG	AIC16-12S	AIC16-12SG	C4		
	14-16	AIC16-14P	AIC16-14PG	AIC16-14S	AIC16-14SG	C3		
	18-20	AIC16-18P	AIC16-18PG	AIC16-18S	AIC16-18SG	C13		
	20-22	AIC16-20P	AIC16-20PG	AIC16-20S	AIC16-20SG	C14		
	20-24	AIC16-2024P	AIC16-2024PG	AIC16-2024S	AIC16-2024SG	C36		
	22-24	AIC16-22P	AIC16-22PG	AIC16-22S	AIC16-22SG	C2		
12	12-14	**AIC12-12P**	**AIC12-12PG**	**AIC12-12S**	**AIC12-12SG**		.312 (7.9)	.126-.177 (3.2-4.5)
	8-10	AIC12-8P	AIC12-8PG	AIC12-8S	AIC12-8SG	C5		
	10-12	AIC12-10P	AIC12-10PG	AIC12-10S	AIC12-10SG	C8		
	14-16	AIC12-14P	AIC12-14PG	AIC12-14S	AIC12-14SG	C9		
	16-18	AIC12-16P	AIC12-16PG	AIC12-16S	AIC12-16SG	C7		
	18-20	AIC12-18P	AIC12-18PG	AIC12-18S	AIC12-18SG	C6		
	20-22	AIC12-20P	AIC12-20PG	AIC12-20S	AIC12-20SG	C40		
8	8	**AIC8-8P**	**AIC8-8PG**	**AIC8-8S**	**AIC8-8SG**		.563 (14.3)	.150-.256 (3.8-6.5)
	8 High Power	-	-	AIC8-8SRAD	-			
	10-12	AIC8-10P	AIC8-10PG	AIC8-10S	AIC8-10SG	C10		
	12-14	AIC8-12P	AIC8-12PG	AIC8-12S	AIC8-12SG	C38		
4	4	**AIC4-4P**	**AIC4-4PG**	**AIC4-4S**	**AIC4-4SG**		.500 (12.7)	.279-.366 (7.1-9.3)
	4 High Power	-	-	AIC4-4SRAD	-			
	8	AIC4-8P	AIC4-8PG	AIC4-8S	AIC4-8SG	C15		
0	0	**AIC0-0P**	**AIC0-0PG**	**AIC0-0S**	**AIC0-0SG**		.750 (19.0)	394-.539 (10.0-13.7)
	0 High Power	-	-	AIC0-0SRAD	-			
	0-2	AIC0-2P	AIC0-2PG	AIC0-2S	AIC0-2SG	C11		
	4	AIC0-4P	AIC0-4PG	AIC0-4S	AIC0-4SG	C12		

Bolded items are standard crimp contacts

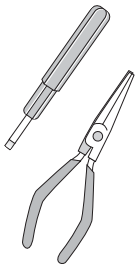
SOLDER THERMOCOUPLE CONTACTS			
	TYPE	PINS	SOCKETS
16S	Alumel	10-040799-02P*	10-040799-02S*
	Chromel	10-040799-01P*	10-040799-01S*
	Iron	10-040799-03P*	10-040799-03S*
	Constantan	10-040799-04P*	10-040799-24S*
16	Alumel	10-040799-12P*	10-040799-12S*
	Chromel	10-040799-11P*	10-040799-11S*
	Iron	10-040799-13P*	10-040799-13S*
	Constantan	10-040799-14P*	10-040799-14S*

SOLDER THERMOCOUPLE CONTACTS			
	TYPE	PINS	SOCKETS
12	Alumel	10-040799-42P*	10-040799-42S*
	Chromel	10-040799-41P*	10-040799-41S*
	Iron	10-040799-43P*	10-040799-43S*
	Constantan	10-040799-44P*	10-040799-44S*

Thermocouple Types: J = Iron-Constantan K = Alumel-Chromel
T = Copper-Constantan E = Chromel-Constantan

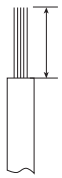
*Call for availability

† 16S contacts are used in 8S, 10S, 10SL, 12S, 14S and 16S connector sizes only.

ACCESSORIES	TOOLS						
							
WIRE HOLE FILLER (COLOR)	**CRIMP TOOLS**	**CRIMP LOCATOR & DIE SETS**	**LOCATOR COLOR**	**PILOT PIN/INSERTION GUIDE FOR SOCKETS**	**INSERTION TOOL**	**EXTRACTION TOOL**	
MS27488-16-1 (Blue)	AF8 (hand) WA27F (pneumatic) ††	TH29-1	Red	10-242758-016	DAK168-16	DRK59 Kit with Multiple Tips	
			Pin-Blue Socket-Green				
MS27488-12-1 (Yellow)			Green	10-242758-012	DAK168-12		
MS27488-8-1 (White)	400BHD	**Locator** 414DA-8N **Die Set** 4025-Pin 4026-Socket	-	10-242758-008	DAK282		
MS27488-4-1 (Blue)		**Locator** 414DA-4N **Die Set** 4043	-	-	AIC4INS	AIC4EXT	
MS27488-0-1 (Yellow)		**Locator** 414DA-0N **Die Set** 4042	-	-	AIC0INS	AIC0EXT	

†† Call for additional tool accessories.

Pin & Socket Coax Contacts

	COAX PIN	COAX SOCKET	WIRE STRIP LENGTH	WIRE RANGE	ACCESSORIES
					

COAX CONTACT SIZE	COAX WIRE SIZE	PART NUMBERS PINS SILVER	PINS GOLD	SOCKETS SILVER	SOCKETS GOLD	WIRE STRIP LENGTHS INCHES (mm)	WIRE SEALING RANGE INCHES (mm) MIN.	WIRE SEALING RANGE INCHES (mm) MAX.	WIRE HOLE FILLER
12	RG161/U RG174A/U RG179B/U RG187A/U RG188A/U RG316/U	21-33034-1	21-33014-21 21-33048-1() 21-33130-1()	21-33033-1	21-33013-21 21-33047-1() 21-33129-1 ()	Call for details	0.126 (3.2 mm)	0.177 (4.5 mm)	Yellow 10-405996-12
	RG178B/U RG196A/U		21-33014-22		21-33013-22				
8	RG58C/U RG141A/U RG303/U	21-33034-2(1)	21-33014-1(5) 21-33016-5(3) 21-33130-2()	21-33033-2(1) 21-33048-2()	21-33013-1(5) 21-33047-2() 21-33015-5(3) 21-33129-2()	Call for details	0.150 (3.8 mm)	0.256 (6.5 mm)	White 10-405996-8
	RG59B/U RG62A/U RG62B/U RG210/U	31-33034-5(1)	21-33014-5(5) 21-33016-2(3) 21-33130-5() 21-33064-21()	21-33033-3(1)	21-33013-5(5) 21-33015-2(3) 21-33129-3() 21-33063-21()				
	RG161/U RG174A/U RG179B/U RG187A/U RG188A/U RG316/U	21-33034-3(1)	21-33014-3(5) 21-33016-1(3) 21-33130-3 () 21-33064-20()	21-33033-3(1)	21-33013-3(5) 21-33015-1(3) 21-33129-3() 21-33063-20()				
	RG180B/U RG195A/U	21-33034-6	21-33014-6(5) 21-33048-3() 21-33130-6()	21-33033-6	21-33013-(6) 21-33047-3() 21-33129-6()				
	RG140/U RG302/U	21-33034-8	21-33014-8(5) 21-33033-8 21-33130-8()		21-33013-8(5) 21-33129-8()				
	RG55B/U RG142A/U RG142B/U RG223/U	21-33034-4	21-33014-5(5) 21-33130-4()	21-33033-4	21-33013-5(5) 21-33129-4()				
4	RG59B/U RG62A/U RG62B/U RG210/U		21-33060-10()		21-33059-10()	Call for details	0.279 (7.1 mm)	0.366 (9.3 mm)	Blue 10-405996-4
	RG212/U		21-33060-11()		21-33059-11()				
	RG55B/U RG142A/U RG142B/U RG223/U		31-33060-12()		21-33059-12()				

( ) Various platings available. Availability of coax contacts varies widely. Call for details.

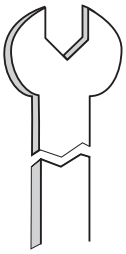
Pin & Socket Coax Contacts

TOOLS

M22520/10-01

M22520/5-01

Crimp Dies

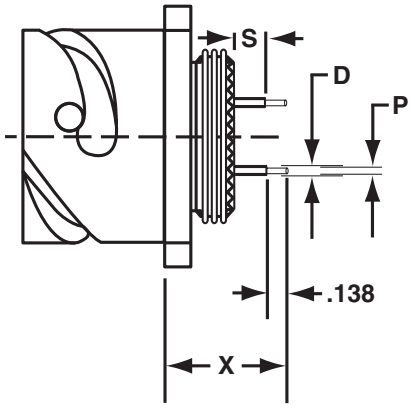


COAX CONTACT SIZE	COAX WIRE SIZE	HAND CRIMP TOOL	CRIMP DIE/LOCATOR	USE LOCATOR	COAX CLAMP NUT WRENCH
12	RG161/U RG174A/U RG179B/U RG187A/U RG188A/U RG316/U	M22520/10-01	M22520/10-05	A	11-8676-1
	RG178B/U RG196A/U			B	
8	RG58C/U RG141A/U RG303/U	M22520/10-01	M22520/10-07	B	11-8676-2
	RG59B/U RG62A/U RG62B/U RG210/U	M22520/5-01	M22520/5-45	B	11-8676-3
	RG161/U RG174A/U RG179B/U RG187A/U RG188A/U RG316/U	M22520/10-01	M22520/10-05	A	11-8676-2
	RG180B/U RG195A/U		M22520/10-07	B	
	RG140/U RG302/U			A	
	RG55B/U RG142A/U RG142B/U RG223/U				
4	RG59B/U RG62A/U RG62B/U RG210/U	M22520/5-01	M22520/5-45	B	11-8676-4
	RG212/U	M22520/5-01	M22520/5-39	A	
	RG55B/U RG142A/U RG142B/U RG223/U	M22520/10-01	M22520/10-07	A	

Components

	Plugs		Receptacles	
	AIB/GT	AIBC/ACA-B	AIB/GT	AIBC/ACA-B
O-Ring				
Barrel/Shell				
Insert/ Insulator				
Contacts				
Wave Spring and Skid Washer (Optional)				
Coupling Nut				
Individual Wire Sealing Grommet				
Ferrule/Sleeve Compression Ring				
Endbell/ Backshell/ Cable Clamp				

Printed Circuit Contacts



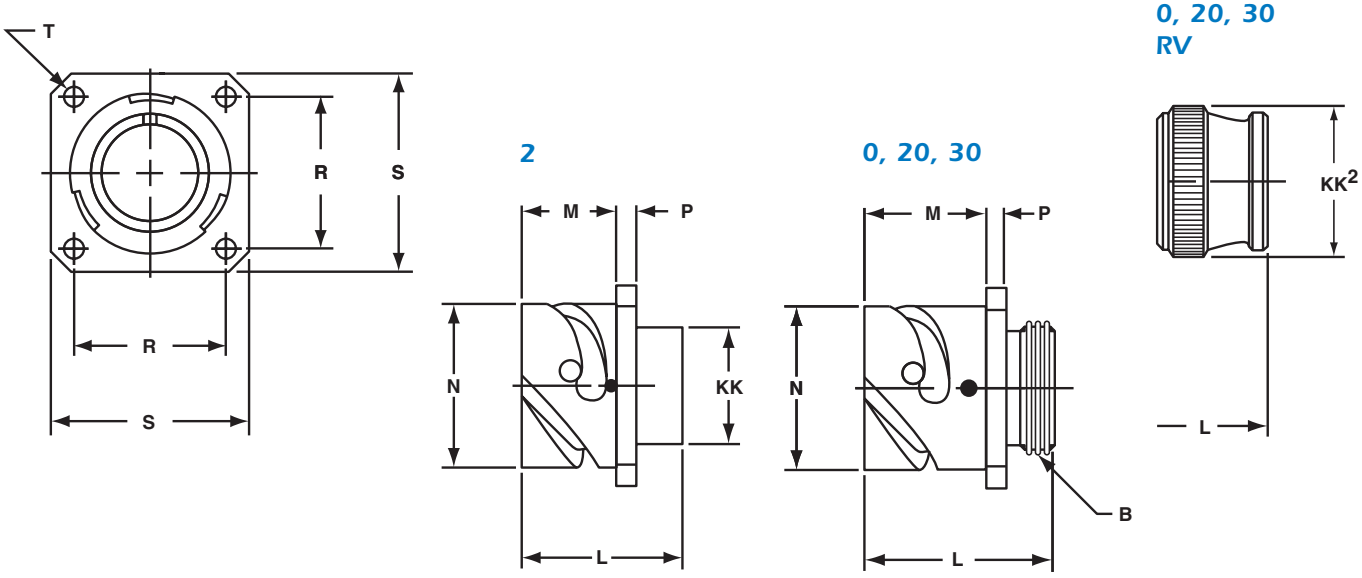
SHELL SIZE	H SERIES	
	S	X
10SL	.188 (4.78)	.567 (14.40)
14S	.188 (4.78)	.567 (14.40)
16S	.188 (4.78)	.567 (14.40)
16	.188 (4.78)	.622 (15.80)
18	.188 (4.78)	.622 (15.80)
20	.188 (4.78)	.622 (15.80)
22	.188 (4.78)	.622 (15.80)
24	.188 (4.78)	.622 (15.80)
28	.188 (4.78)	.657 (16.69)
32	.188 (4.78)	.720 (18.29)
36	.188 (4.78)	.720 (18.29)
40	.188 (4.78)	.720 (18.29)

CONTACT SIZE	D	P
12	.134 (3.4)	.070 (1.78)
16	.063 (1.6)	.030 (0.76)

All dimensions in inches (millimeters in parenthesis)

Dimensions

Style 0, 2, 20, 30 Receptacles



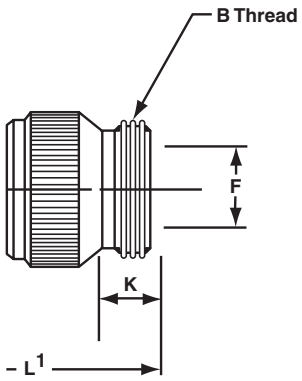
SHELL SIZE	M +.016-.000 (+0.4-0.0)	N +.000-.006 (+0.00-0.15)	P ± .008 (±0.2)	R ± .004 (±0.1)	S ± .012 (±0.3)	T +.004-.000 (+0.1-0.0)	KK MAX.	B THREAD CLASS 2A	L + .012 (+ 0.3)	L MAX.	KK² MAX.
10SL	.717 (18.20)	.717 (18.2)	.110 (2.8)	.717 (18.2)	1.000 (25.4)	.126 (3.2)	.626 (15.9)	.6250-24 UNEF	1.087 (27.6)	1.890 (48.0)	.787 (20.0)
14S	.717 (18.20)	.969 (24.6)	.126 (3.2)	.906 (23.0)	1.181 (30.0)	.126 (3.2)	.756 (19.2)	.7500-20 UNEF	1.087 (27.6)	1.890 (48.0)	.945 (24.0)
16S	.717 (18.20)	1.079 (27.4)	.126 (3.2)	.969 (24.6)	1.280 (32.5)	.126 (3.2)	.882 (22.4)	.8750-20 UNEF	1.087 (27.6)	1.890 (48.0)	1.024 (26.0)
16	.846 (21.50)	1.079 (27.4)	.126 (3.2)	.969 (24.6)	1.280 (32.5)	.126 (3.2)	.882 (22.4)	.8750-20 UNEF	1.331 (33.8)	2.205 (56.0)	1.024 (26.0)
18	.907 (23.05)	1.213 (30.8)	.157 (4.0)	1.063 (27.0)	1.378 (35.0)	.126 (3.2)	1.008 (25.6)	1.0000-20 UNEF	1.331 (33.8)	2.244 (57.0)	1.161 (29.5)
20	.907 (23.05)	1.346 (34.2)	.157 (4.0)	1.157 (29.4)	1.496 (38.0)	.126 (3.2)	1.142 (29.0)	1.1250-18 UNEF	1.331 (33.8)	2.244 (57.0)	1.299 (33.0)
22	.907 (23.05)	1.472 (37.4)	.157 (4.0)	1.252 (31.8)	1.614 (41.0)	.126 (3.2)	1.268 (32.2)	1.2500-18 UNEF	1.331 (33.8)	2.244 (57.0)	1.417 (36.0)
24	.907 (23.05)	1.610 (40.9)	.157 (4.0)	1.374 (34.9)	1.752 (44.5)	.146 (3.7)	1.390 (35.3)	1.3750-18 UNEF	1.331 (33.8)	2.244 (57.0)	1.575 (40.0)
28	.947 (24.05)	1.839 (46.7)	.157 (4.0)	1.563 (39.7)	2.000 (50.8)	.146 (3.7)	1.630 (41.4)	1.6250-18 UNEF	1.406 (35.7)	2.244 (57.0)	1.811 (46.0)
32	.947 (24.05)	2.102 (53.4)	.157 (4.0)	1.752 (44.5)	2.244 (57.0)	.169 (4.3)	1.882 (47.8)	1.8750-16 UN	1.469 (37.3)	2.362 (60.0)	2.028 (51.5)
36	.947 (24.05)	2.346 (59.6)	.157 (4.0)	1.937 (49.2)	2.500 (63.5)	.169 (4.3)	2.063 (52.4)	2.0625-16 UN	1.469 (37.3)	2.362 (60.0)	2.283 (58.0)
40	.947 (24.05)	2.579 (65.5)	.157 (4.0)	2.185 (55.5)	2.752 (69.9)	.169 (4.3)	2.323 (59.0)	2.3125-16 UN	1.469 (37.3)	2.362 (60.0)	2.539 (64.5)

All dimensions in inches (millimeters in parenthesis)

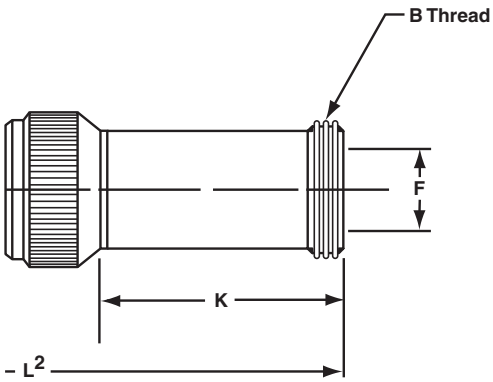
Dimensions

Style 0, 20, 30 Receptacles

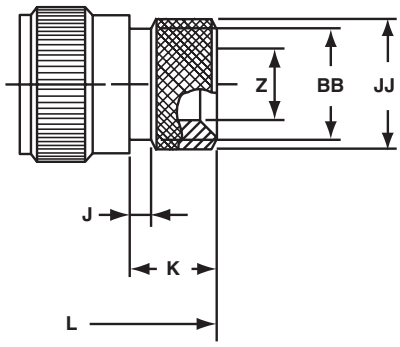
F



L



G



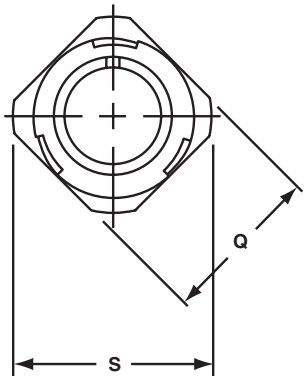
B THREAD CLASS 2A	F MIN.	K MIN.	L1 MAX.	L2 MAX.
.6250-24 UNEF	.409 (10.4)	.374 (9.5)	1.969 (50)	3.017 (76.6)
.7500-20 UNEF	.520 (13.2)	.374 (9.5)	1.969 (50)	3.048 (77.4)
.8750-20 UNEF	.638 (16.2)	.374 (9.5)	1.969 (50)	3.048 (77.4)
.8750-20 UNEF	.638 (16.2)	.374 (9.5)	2.362 (60)	3.304 (83.9)
1.0000-20 UNEF	.756 (19.2)	.374 (9.5)	2.362 (60)	3.419 (86.8)
1.1875-18 UNEF	.867 (22.0)	.374 (9.5)	2.362 (60)	3.404 (86.5)
1.1875-18 UNEF	.965 (24.5)	.374 (9.5)	2.362 (60)	3.408 (86.6)
1.4375-18 UNEF	1.094 (27.8)	.374 (9.5)	2.560 (65)	3.495 (88.8)
1.4375-18 UNEF	1.228 (31.2)	.374 (9.5)	2.560 (65)	3.629 (92.2)
1.7500-18 UNS	1.488 (37.8)	.433 (11.0)	2.560 (65)	3.777 (95.9)
2.0000-18 UNS	1.780 (45.2)	.465 (11.8)	3.150 (80)	3.821 (97.0)
2.2500-16 UN	2.016 (51.2)	.465 (11.8)	3.150 (80)	3.821 (97.0)

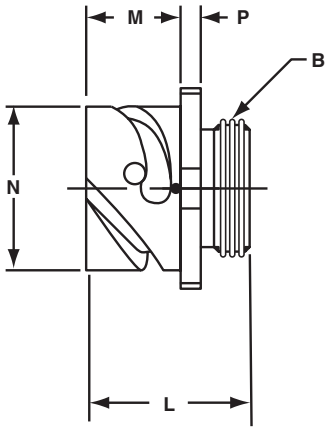
J ± .008 (±0.2)	K + .020 (±0.5)	L MAX.	Z MIN.	BB MAX.	JJ + .008 (+0.2)
.138 (3.5)	.461 (11.7)	1.969 (50)	.303 (7.7)	.524 (13.3)	.610 (15.5)
.138 (3.5)	.461 (11.7)	1.969 (50)	.417 (10.6)	.669 (17.0)	.752 (19.1)
.138 (3.5)	.461 (11.7)	1.969 (50)	.531 (13.5)	.862 (21.9)	.941 (23.9)
.138 (3.5)	.453 (11.5)	2.362 (60)	.531 (13.5)	.862 (21.9)	.941 (23.9)
.138 (3.5)	.453 (11.5)	2.362 (60)	.575 (14.6)	.862 (21.9)	.941 (23.9)
.138 (3.5)	.500 (12.7)	2.559 (65)	.736 (18.7)	1.031 (26.2)	1.165 (29.6)
.138 (3.5)	.500 (12.7)	2.559 (65)	.819 (20.8)	1.031 (26.2)	1.165 (29.6)
.138 (3.5)	.500 (12.7)	2.559 (65)	.969 (24.6)	1.358 (34.5)	1.488 (37.8)
.138 (3.5)	.500 (12.7)	2.559 (65)	1.063 (27.0)	1.358 (34.5)	1.488 (37.8)
.138 (3.5)	.598 (15.2)	2.756 (70)	1.311 (33.3)	1.717 (43.6)	1.882 (47.8)
.138 (3.5)	.598 (15.2)	3.150 (80)	1.516 (38.5)	1.717 (43.6)	1.882 (47.8)
.138 (3.5)	.610 (15.5)	3.150 (80)	1.898 (48.2)	2.071 (52.6)	2.276 (57.8)

All dimensions in inches (millimeters in parenthesis)

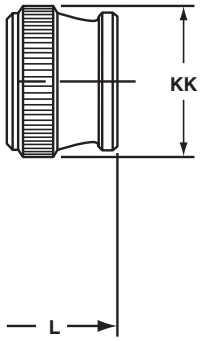
Dimensions

Style 1 Cable Receptacle





RV



SHELL SIZE	M +.016 -.000 (+0.4 - 0.0)	N +.000 -.006 (+0.00-0.15)	P ± .008 (±0.2)	Q ± .008 (±0.2)	S MAX.
10SL	.717 (18.20)	.717 (18.2)	.110 (2.8)	.811 (20.6)	.992 (25.2)
14S	.717 (18.20)	.969 (24.6)	.126 (3.2)	1.000 (25.4)	1.173 (29.8)
16S	.717 (18.20)	1.079 (27.4)	.126 (3.2)	1.126 (28.6)	1.272 (32.3)
16	.8461 (21.50)	1.079 (27.4)	.126 (3.2)	1.126 (28.6)	1.272 (32.3)
18	.907 (23.05)	1.213 (30.8)	.157 (4.0)	1.248 (31.7)	1.370 (34.8)
20	.907 (23.05)	1.346 (34.2)	.157 (4.0)	1.374 (34.9)	1.488 (37.8)
22	.907 (23.05)	1.472 (37.4)	.157 (4.0)	1.500 (38.1)	1.618 (41.1)
24	.907 (23.05)	1.610 (40.9)	.157 (4.0)	1.626 (41.3)	1.756 (44.6)
28	.947 (24.05)	1.839 (46.7)	.157 (4.0)	1.874 (47.6)	2.004 (50.9)
32	.947 (24.05)	2.102 (53.4)	.157 (4.0)	2.126 (54.0)	2.248 (57.1)
36	.947 (24.05)	2.346 (59.6)	.157 (4.0)	2.386 (60.6)	2.504 (63.6)
40	.947 (24.05)	2.579 (65.5)	.157 (4.0)	2.618 (66.5)	2.756 (70.0)

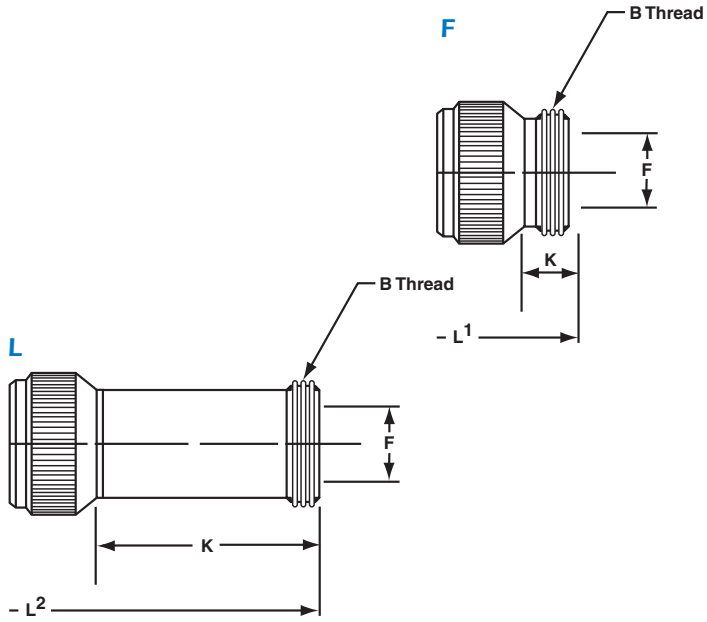
B THREAD CLASS 2A	L + .012 (+ 0.3)
.6250-24 UNEF	1.087 (27.6)
.7500-20 UNEF	1.087 (27.6)
.8750-20 UNEF	1.087 (27.6)
.8750-20 UNEF	1.331 (33.8)
1.0000-20 UNEF	1.331 (33.8)
1.1250-18 UNEF	1.331 (33.8)
1.2500-18 UNEF	1.331 (33.8)
1.3750-18 UNEF	1.331 (33.8)
1.6250-18 UNEF	1.406 (35.7)
1.8750-16 UN	1.469 (37.3)
2.0625-16 UN	1.469 (37.3)
2.3125-16 UN	1.469 (37.3)

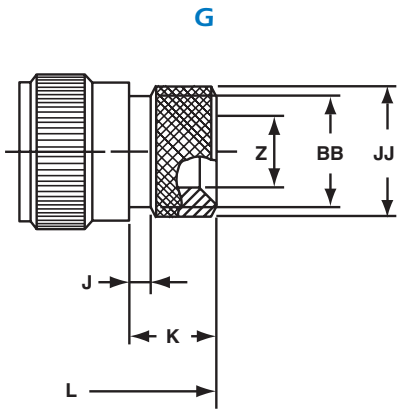
L MAX.	KK MAX.
1.890 (48.0)	.787 (20.0)
1.890 (48.0)	.945 (24.0)
1.890 (48.0)	1.024 (26.0)
2.205 (56.0)	1.024 (26.0)
2.244 (57.0)	1.161 (29.5)
2.244 (57.0)	1.299 (33.0)
2.244 (57.0)	1.417 (36.0)
2.244 (57.0)	1.575 (40.0)
2.244 (57.0)	1.811 (46.0)
2.362 (60.0)	2.028 (51.5)
2.362 (60.0)	2.283 (58.0)
2.362 (60.0)	2.539 (64.5)

All dimensions in inches (millimeters in parenthesis)

Dimensions

Style 1 Cable Receptacle





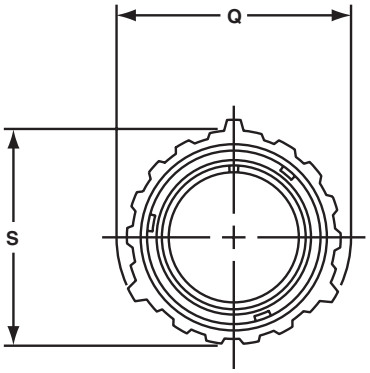
B THREAD CLASS 2A	F MIN.	K MIN.	L^1 MAX.	L^2 MAX.
.6250-24 UNEF	.409 (10.4)	.374 (9.5)	1.969 (50)	3.684 (93.6)
.7500-20 UNEF	.520 (13.2)	.374 (9.5)	1.969 (50)	3.748 (95.2)
.8750-20 UNEF	.638 (16.2)	.374 (9.5)	1.969 (50)	3.748 (95.2)
.8750-20 UNEF	.638 (16.2)	.374 (9.5)	2.362 (60)	3.71 (94.2)
1.0000-20 UNEF	.756 (19.2)	.374 (9.5)	2.362 (60)	4.094 (104.0)
1.1875-18 UNEF	.867 (22.0)	.374 (9.5)	2.362 (60)	4.094 (104.0)
1.1875-18 UNEF	.965 (24.5)	.374 (9.5)	2.362 (60)	4.102 (104.2)
1.4375-18 UNEF	1.094 (27.8)	.374 (9.5)	2.560 (65)	3.950 (100.4)
1.4375-18 UNEF	1.228 (31.2)	.374 (9.5)	2.560 (65)	4.392 (111.6)
1.7500-18 UNS	1.488 (37.8)	.433 (11.0)	2.560 (65)	5.038 (128.0)
2.0000-18 UNS	1.780 (45.2)	.465 (11.8)	3.150 (80)	4.354 (110.6)
2.2500-16 UN	2.016 (51.2)	.465 (11.8)	3.150 (80)	4.354 (110.6)

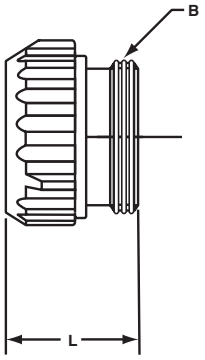
J ± .008 (±0.2)	K + .020 (±0.5)	L MAX.	Z MIN.	BB MAX.	JJ + .008 (+0.2)
.138 (3.5)	.461 (11.7)	1.969 (50)	.303 (7.7)	.524 (13.3)	.610 (15.5)
.138 (3.5)	.461 (11.7)	1.969 (50)	.417 (10.6)	.669 (17.0)	.752 (19.1)
.138 (3.5)	.461 (11.7)	1.969 (50)	.531 (13.5)	.862 (21.9)	.941 (23.9)
.138 (3.5)	.453 (11.5)	2.362 (60)	.531 (13.5)	.862 (21.9)	.941 (23.9)
.138 (3.5)	.453 (11.5)	2.362 (60)	.575 (14.6)	.862 (21.9)	.941 (23.9)
.138 (3.5)	.500 (12.7	2.559 (65)	.736 (18.7)	1.031 (26.2)	1.165 (29.6)
.138 (3.5)	.500 (12.7)	2.559 (65)	.819 (20.8)	1.031 (26.2)	1.165 (29.6)
.138 (3.5)	.500 (12.7)	2.559 (65)	.969 (24.6)	1.358 (34.5)	1.488 (37.8)
.138 (3.5)	.500 (12.7)	2.559 (65)	1.063 (27.0)	1.358 (34.5)	1.488 (37.8)
.138 (3.5)	.598 (15.2)	2.756 (70)	1.311 (33.3)	1.717 (43.6)	1.882 (47.8)
.138 (3.5)	.598 (15.2)	3.150 (80)	1.516 (38.5)	1.717 (43.6)	1.882 (47.8)
.138 (3.5)	.610 (15.5)	3.150 (80)	1.898 (48.2)	2.071 (52.6)	2.276 (57.8)

All dimensions in inches (millimeters in parenthesis)

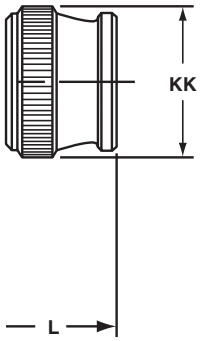
Dimensions

Style 4 Rubber-Covered Plugs





RV



SHELL SIZE	Q MAX.	S MAX.
10SL	1.319 (33.5)	1.122 (28.5)
18	1.929 (49.0)	1.713 (43.5)
20	2.028 (51.5)	1.811 (46.0)
22	2.224 (56.5)	1.988 (50.5)
24	2.362 (60.0)	2.126 (54.0)
28	2.638 (67.0)	2.402 (61.0)
32	2.992 (76.0)	2.661 (67.6)
36	3.240 (82.3)	2.925 (74.3)
40	3.465 (88.0)	3.150 (80.0)

B THREAD CLASS 2A	L + .012 (+ 0.3)
.6250-24 UNEF	1.087 (27.6)
1.0000-20 UNEF	1.331 (33.8)
1.1250-18 UNEF	1.331 (33.8)
1.2500-18 UNEF	1.331 (33.8)
1.3750-18 UNEF	1.331 (33.8)
1.6250-18 UNEF	1.406 (35.7)
1.8750-16 UN	1.469 (37.3)
2.0625-16 UN	1.469 (37.3)
2.3125-16 UN	1.469 (37.3)

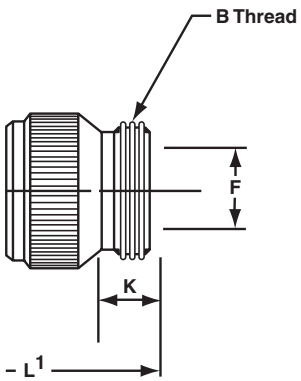
L MAX.	KK MAX.
1.890 (48.0)	.787 (20.0)
2.244 (57.0)	1.161 (29.5)
2.244 (57.0)	1.299 (33.0)
2.244 (57.0)	1.417 (36.0)
2.244 (57.0)	1.575 (40.0)
2.244 (57.0)	1.811 (46.0)
2.362 (60.0)	2.028 (51.5)
2.362 (60.0)	2.283 (58.0)
2.362 (60.0)	2.539 (64.5)

All dimensions in inches (millimeters in parenthesis)

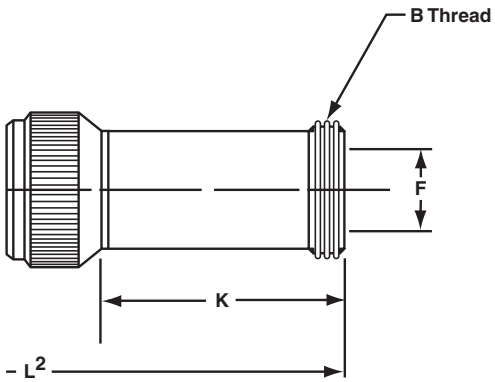
Dimensions

Style 4 Rubber-Covered Plugs

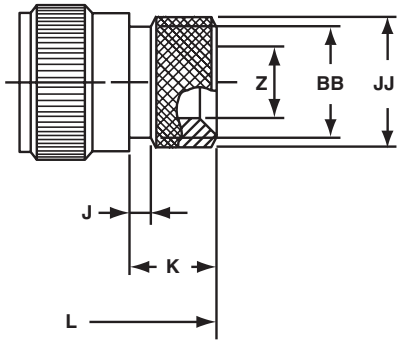
F



L



G



B THREAD CLASS 2A	F MIN.	K MIN.	L1 MAX.	L2 MAX.
.6250-24 UNEF	.409 (10.4)	.374 (9.5)	1.969 (50)	3.684 (93.6)
1.0000-20 UNEF	.756 (19.2)	.374 (9.5)	2.362 (60)	4.094 (104.0)
1.1875-18 UNEF	.867 (22.0)	.374 (9.5)	2.362 (60)	4.094 (104.0)
1.1875-18 UNEF	.965 (24.5)	.374 (9.5)	2.362 (60)	4.102 (104.2)
1.4375-18 UNEF	1.094 (27.8)	.374 (9.5)	2.560 (65)	3.950 (100.4)
1.4375-18 UNEF	1.228 (31.2)	.374 (9.5)	2.560 (65)	4.392 (111.6)
1.7500-18 UNS	1.488 (37.8)	.433 (11.0)	2.560 (65)	5.038 (128.0)
2.0000-18 UNS	1.780 (45.2)	.465 (11.8)	3.150 (80)	4.354 (110.6)
2.2500-16 UN	2.016 (51.2)	.465 (11.8)	3.150 (80)	4.354 (110.6)

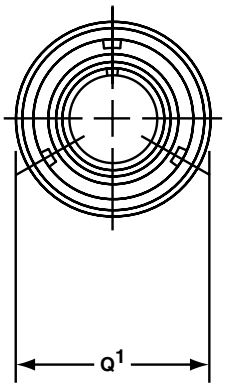
J ± .008 (±0.2)	K + .020 (±0.5)	L MAX.	Z MIN.	BB MAX.	JJ + .008 (+0.2)
.138 (3.5)	.461 (11.7)	1.969 (50)	.303 (7.7)	.524 (13.3)	.610 (15.5)
.138 (3.5)	.453 (11.5)	2.362 (60)	.575 (14.6)	.862 (21.9)	.941 (23.9)
.138 (3.5)	.500 (12.7)	2.559 (65)	.736 (18.7)	1.031 (26.2)	1.165 (29.6)
.138 (3.5)	.500 (12.7)	2.559 (65)	.819 (20.8)	1.031 (26.2)	1.165 (29.6)
.138 (3.5)	.500 (12.7)	2.559 (65)	.969 (24.6)	1.358 (34.5)	1.488 (37.8)
.138 (3.5)	.500 (12.7)	2.559 (65)	1.063 (27.0)	1.358 (34.5)	1.488 (37.8)
.138 (3.5)	.598 (15.2)	2.756 (70)	1.311 (33.3)	1.717 (43.6)	1.882 (47.8)
.138 (3.5)	.598 (15.2)	3.150 (80)	1.516 (38.5)	1.717 (43.6)	1.882 (47.8)
.138 (3.5)	.610 (15.5)	3.150 (80)	1.898 (48.2)	2.071 (52.6)	2.276 (57.8)

All dimensions in inches (millimeters in parenthesis)

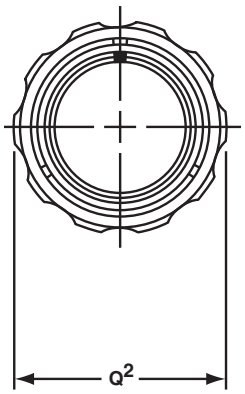
Dimensions

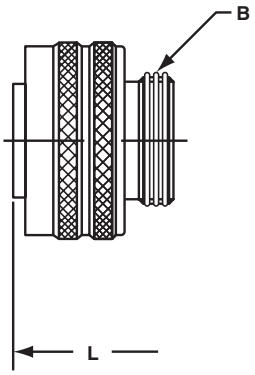
Style 6, 6HD Plugs

6

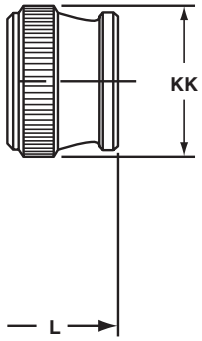


6HD





RV



SHELL SIZE	Q1 MAX.	Q2 MAX.
10SL	.898 (22.8)	1.007 (25.5)
14S	1.150 (29.2)	1.259 (31.9)
16S	1.260 (32.0)	1.410 (35.8)
16	1.260 (32.0)	1.410 (35.8)
18	1.437 (36.5)	1.547 (39.2)
20	1.571 (39,9)	1.681 (42.6)
22	1.697 (43.1)	1.847 (46.9)
24	1.835 (46.6)	1.965 (49.9)
28	2.102 (53.4)	2.222 (56.4)
32	2.366 (60.1)	2.482 (63.0)
36	2.610 (66.3)	2.721 (69.1)
40	2.850 (72.4)	2.953 (75.0)

B THREAD CLASS 2A	L + .012 (+ 0.3)
.6250-24 UNEF	1.087 (27.6)
.7500-20 UNEF	1.087 (27.6)
.8750-20 UNEF	1.087 (27.6)
.8750-20 UNEF	1.331 (33.8)
1.0000-20 UNEF	1.331 (33.8)
1.1250-18 UNEF	1.331 (33.8)
1.2500-18 UNEF	1.331 (33.8)
1.3750-18 UNEF	1.331 (33.8)
1.6250-18 UNEF	1.406 (35.7)
1.8750-16 UN	1.469 (37.3)
2.0625-16 UN	1.469 (37.3)
2.3125-16 UN	1.469 (37.3)

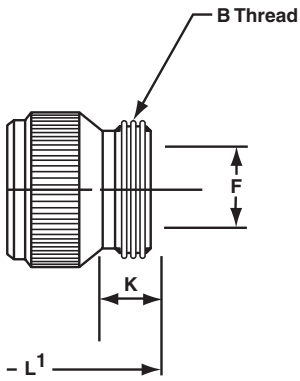
L MAX.	KK MAX.
1.890 (48.0)	.787 (20.0)
1.890 (48.0)	.945 (24.0)
1.890 (48.0)	1.024 (26.0)
2.205 (56.0)	1.024 (26.0)
2.244 (57.0)	1.161 (29.5)
2.244 (57.0)	1.299 (33.0)
2.244 (57.0)	1.417 (36.0)
2.244 (57.0)	1.575 (40.0)
2.244 (57.0)	1.811 (46.0)
2.362 (60.0)	2.028 (51.5)
2.362 (60.0)	2.283 (58.0)
2.362 (60.0)	2.539 (64.5)

All dimensions in inches (millimeters in parenthesis)

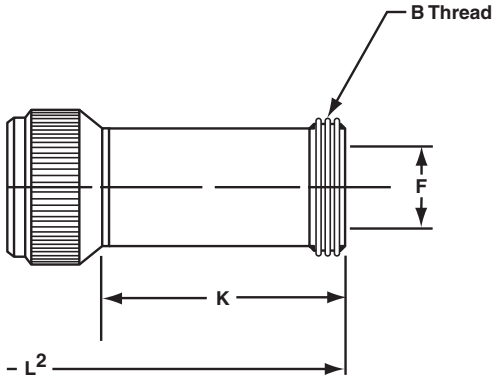
Dimensions

Style 6, 6HD Plugs

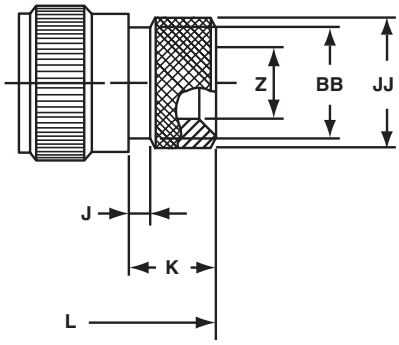
F



L



G



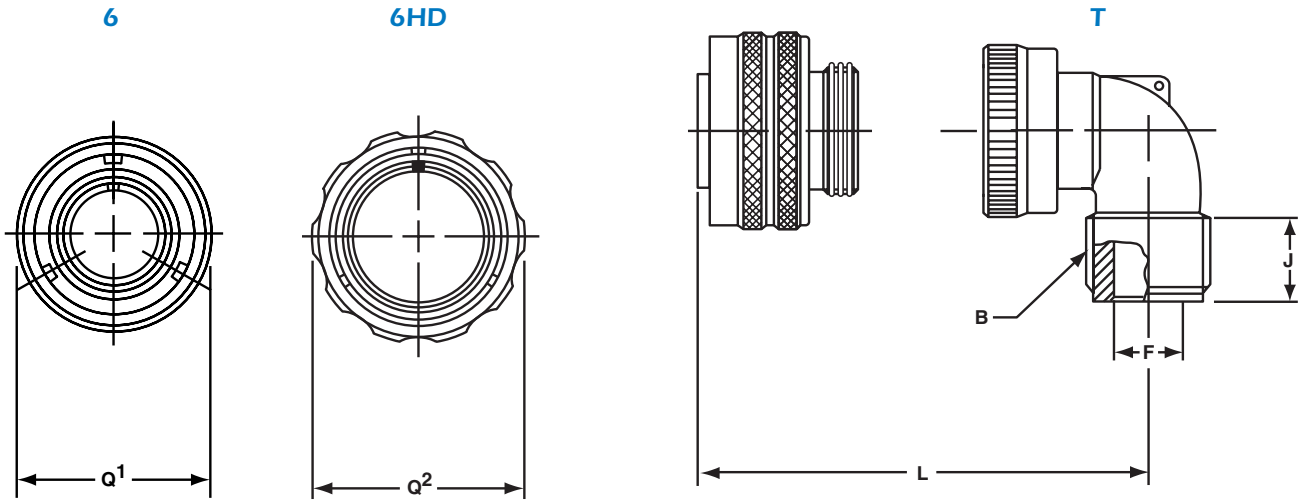
B THREAD CLASS 2A	F MIN.	K MIN.	L^1 MAX.	L^2 MAX.
.6250-24 UNEF	.409 (10.4)	.374 (9.5)	1.969 (50)	3.684 (93.6)
.7500-20 UNEF	.520 (13.2)	.374 (9.5)	1.969 (50)	3.748 (95.2)
.8750-20 UNEF	.638 (16.2)	.374 (9.5)	1.969 (50)	3.748 (95.2)
.8750-20 UNEF	.638 (16.2)	.374 (9.5)	2.362 (60)	3.71 (94.2)
1.0000-20 UNEF	.756 (19.2)	.374 (9.5)	2.362 (60)	4.094 (104.0)
1.1875-18 UNEF	.867 (22.0)	.374 (9.5)	2.362 (60)	4.094 (104.0)
1.1875-18 UNEF	.965 (24.5)	.374 (9.5)	2.362 (60)	4.102 (104.2)
1.4375-18 UNEF	1.094 (27.8)	.374 (9.5)	2.560 (65)	3.950 (100.4)
1.4375-18 UNEF	1.228 (31.2)	.374 (9.5)	2.560 (65)	4.392 (111.6)
1.7500-18 UNS	1.488 (37.8)	.433 (11.0)	2.560 (65)	5.038 (128.0)
2.0000-18 UNS	1.780 (45.2)	.465 (11.8)	3.150 (80)	4.354 (110.6)
2.2500-16 UN	2.016 (51.2)	.465 (11.8)	3.150 (80)	4.354 (110.6)

J ± .008 (±0.2)	K + .020 (±0.5)	L MAX.	Z MIN.	BB MAX.	JJ + .008 (+0.2)
.138 (3.5)	.461 (11.7)	1.969 (50)	.303 (7.7)	.524 (13.3)	.610 (15.5)
.138 (3.5)	.461 (11.7)	1.969 (50)	.417 (10.6)	.669 (17.0)	.752 (19.1)
.138 (3.5)	.461 (11.7)	1.969 (50)	.531 (13.5)	.862 (21.9)	.941 (23.9)
.138 (3.5)	.453 (11.5)	2.362 (60)	.531 (13.5)	.862 (21.9)	.941 (23.9)
.138 (3.5)	.453 (11.5)	2.362 (60)	.575 (14.6)	.862 (21.9)	.941 (23.9)
.138 (3.5)	.500 (12.7	2.559 (65)	.736 (18.7)	1.031 (26.2)	1.165 (29.6)
.138 (3.5)	.500 (12.7)	2.559 (65)	.819 (20.8)	1.031 (26.2)	1.165 (29.6)
.138 (3.5)	.500 (12.7)	2.559 (65)	.969 (24.6)	1.358 (34.5)	1.488 (37.8)
.138 (3.5)	.500 (12.7)	2.559 (65)	1.063 (27.0)	1.358 (34.5)	1.488 (37.8)
.138 (3.5)	.598 (15.2)	2.756 (70)	1.311 (33.3)	1.717 (43.6)	1.882 (47.8)
.138 (3.5)	.598 (15.2)	3.150 (80)	1.516 (38.5)	1.717 (43.6)	1.882 (47.8)
.138 (3.5)	.610 (15.5)	3.150 (80)	1.898 (48.2)	2.071 (52.6)	2.276 (57.8)

All dimensions in inches (millimeters in parenthesis)

Dimensions

Plug Style 6, 6HD Right Angle



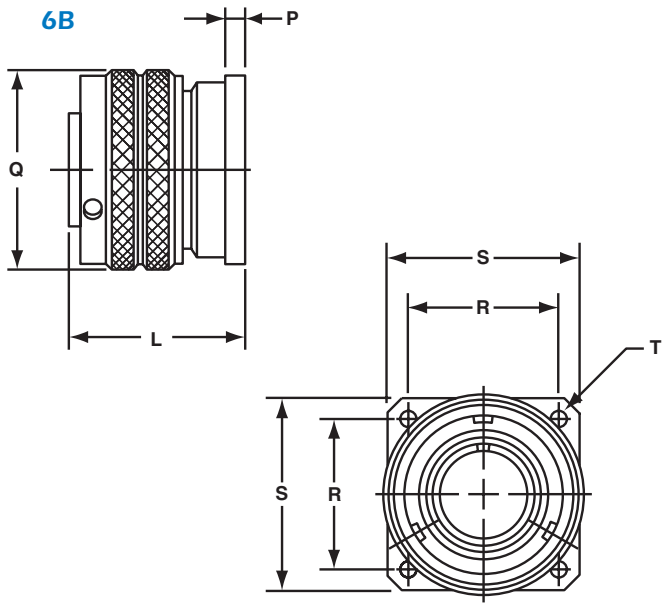
SHELL SIZE	Q1 MAX.	Q2 MAX.
10SL	.898 (22.8)	1.007 (25.5)
14S	1.150 (29.2)	1.259 (31.9)
16S	1.260 (32.0)	1.410 (35.8))
16	1.260 (32.0)	1.410 (35.8))
18	1.437 (36.5)	1.547 (39.2)
20	1.571 (39,9)	1.681 (42.6)
22	1.697 (43.1)	1.847 (46.9)
24	1.835 (46.6)	1.965 (49.9)
28	2.102 (53.4)	2.222 (56.4)
32	2.366 (60.1)	2.482 (63.0)
36	2.610 (66.3)	2.721 (69.1)
40	2.850 (72.4)	2.953 (75.0)

B THREAD CLASS 2A	F MAX.	J MIN.	K MAX.	L MAX.
.6250-24 UNEF	.337 (8.5)	.370 (9.4)	1.181 (30.0)	1.772 (45.0)
.7500-20 UNEF	.462 (11.7)	.370 (9.4)	1.181 (30.0)	1.850 (47.0)
.8750-20 UNEF	.587 (14.9)	.370 (9.4)	1.181 (30.0)	1.890 (48.0)
.8750-20 UNEF	.587 (14.9)	.370 (9.4)	1.181 (30.0)	2.244 (57.0)
1.0000-20 UNEF	.685 (17.4)	.370 (9.4)	1.378 (35.0)	2.283 (58.0)
1.1875-18 UNEF	.810 (20.5)	.370 (9.4)	1.378 (35.0)	2.402 (61.0)
1.1875-18 UNEF	.915 (23.2)	.370 (9.4)	1.378 (35.0)	2.402 (61.0)
1.4375-18 UNEF	1.025 (26.0)	.370 (9.4)	1.575 (40.0)	2.598 (66.0)
1.4375-18 UNEF	1.139 (28.9)	.370 (9.4)	15.75 (40.0)	2.598 (53.4)
1.7500-18 UNEF	1.447 (36.7)	.433 (11.0)	1.772 (45.0)	2.835 (72.0)
2.0000-18 UNS	1.687 (42.8)	.496 (12.6)	1.969 (50.0)	2.953 (75.0)
2.2500-16 UN	1.923 (48.8)	.496 (12.6)	2.165 (55.1)	3.071 (78.0)

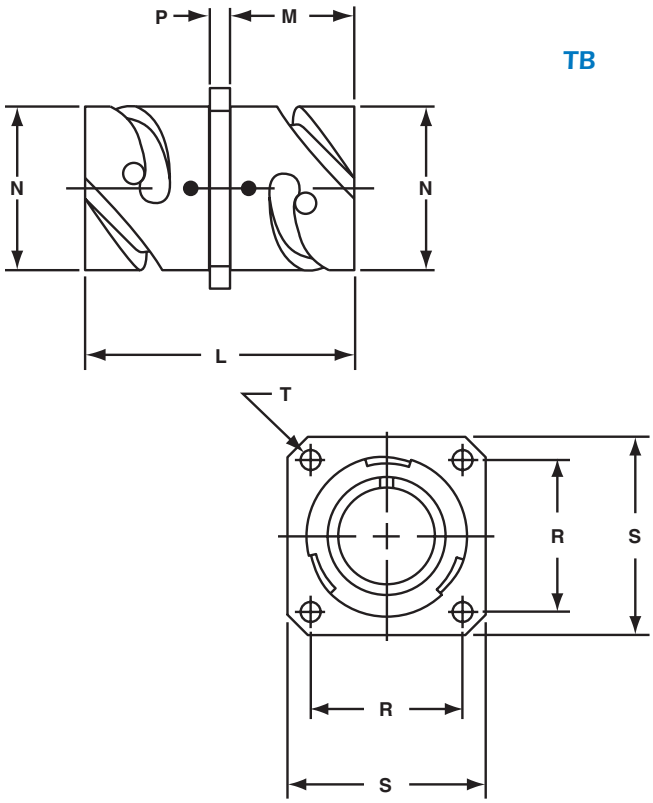
All dimensions in inches (millimeters in parenthesis)

Dimensions

6B Panel Plug



Style TB Thru-Bulkhead Receptacle



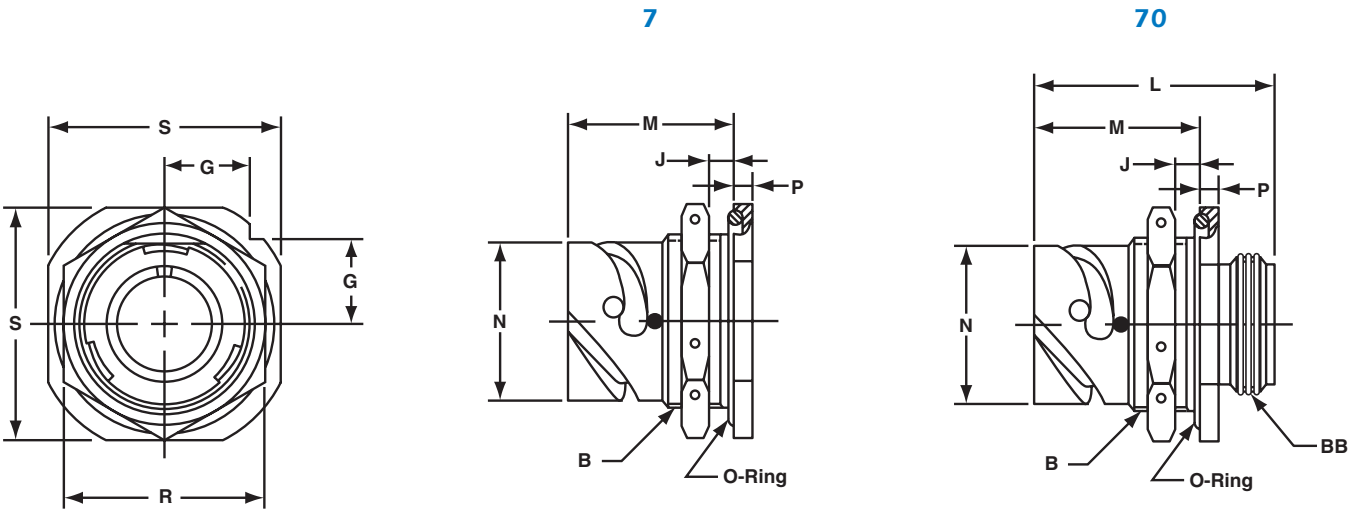
SHELL SIZE	L APPROX.	Q MAX.	P ±.008 (±0.2)	R ±.004 (±0.1)	S ± .012 (±0.3)	T +.004-.000 (+0.1-0.0)
10SL	1.087 (27.6)	.898 (22.8)	.110 (2.8)	.717 (18.2)	1.000 (25.4)	.126 (3.2)
14S	1.091 (27.7)	1.150 (29.2)	.126 (3.2)	.906 (23.0)	1.181 (30.0)	.126 (3.2)
16S	1.091 (27.7)	1.260 (32.0)	.126 (3.2)	.969 (24.6)	1.280 (32.5)	.126 (3.2)
16	1.469 (37.3)	1.260 (32.0)	.126 (3.2)	.969 (24.6)	1.280 (32.5)	.126 (3.2)
18	1.500 (38.1)	1.437 (36.5)	.157 (4.0)	1.063 (27.0)	1.378 (35.0)	.126 (3.2)
20	1.500 (38.1)	1.571 (39.9)	.157 (4.0)	1.157 (29.4)	1.496 (38.0)	.126 (3.2)
22	1.500 (38.1)	1.697 (43.1)	.157 (4.0)	1.252 (31.8)	1.614 (41.0)	.126 (3.2)
24	1.598 (40.6)	1.835 (46.6)	.157 (4.0)	1.374 (34.9)	1.752 (44.5)	.146 (3.7)
28	1.626 (41.3)	2.102 (53.4)	.157 (4.0)	1.563 (39.7)	2.000 (50.8)	.146 (3.7)
32	1.764 (44.8)	2.366 (60.1)	.157 (4.0)	1.752 (44.5)	2.244 (57.0)	.169 (4.3)
36	1.764 (44.8)	2.610 (66.3)	.157 (4.0)	1.937 (49.2)	2.500 (63.5)	.169 (4.3)
40	1.764 (44.8)	2.850 (72.4)	.157 (4.0)	2.185 (55.5)	2.752 (69.9)	.169 (4.3)

L Max.	M +.016-.000 (+0.4-0.0)	N +.000-.006 (+0.00-0.15)	P ±.008 (±0.2)	R ±.004 (±0.1)	S ±.012 (±0.3)	T +.004-.000 (+0.1-0.0)
1.488 (37.7)	.717 (18.2)	.717 (18.2)	.110 (2.8)	.717 (18.2)	1.000 (25.4)	.126 (3.2)
1.488 (37.7)	.717 (18.2)	.969 (24.6)	.126 (3.2)	.906 (23.0)	1.181 (30.0)	.126 (3.2)
1.488 (37.7)	.717 (18.2)	1.079 (24.6)	.126 (3.2)	.969 (23.0)	1.280 (30.0)	.126 (3.2)
2.049 (52.0)	.846 (21.5)	1.079 (27.4)	.126 (3.2)	.969 (24.6)	1.280 (32.5)	.126 (3.2)
2.049 (52.0)	.907 (23.0)	1.213 (30.8)	.157 (4.0)	1.063 (27.0)	1.378 (35.0)	.126 (3.2)
2.049 (52.0)	.907 (23.0)	1.346 (34.2)	.157 (4.0)	1.157 (29.4)	1.496 (38.0)	.126 (3.2)
2.049 (52.0)	.907 (23.0)	1.472 (37.4)	.157 (4.0)	1.252 (31.8)	1.614 (41.0)	.126 (3.2)
2.049 (52.0)	.90 (23.0)	1.610 (40.9)	.157 (4.0)	1.374 (34.9)	1.752 (44.5)	.146 (3.7)
2.049 (52.0)	.947 (24.0)	1.839 (46.7)	.157 (4.0)	1.563 (39.7)	2.000 (50.8)	.146 (3.7)
2.049 (52.0)	.947 (24.0)	2.102 (53.4)	.157 (4.0)	1.752 (44.5)	2.244 (57.0)	.160 (4.3)
2.049 (52.0)	.947 (24.0)	2.346 (59.6)	.157 (4.0)	1.937 (49.2)	2.500 (63.5)	.169 (4.3)
2.049 (52.0)	.947 (24.0)	2.579 (65.5)	.157 (4.0)	2.185 (55.5)	2.752 (69.9)	.160 (4.3)

All dimensions in inches (millimeters in parenthesis)

Dimensions

Style 7, 70 Jam Nut Receptacles

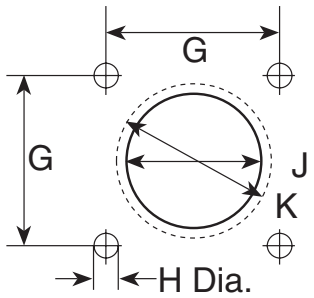


SHELL SIZE	B THREAD CLASS 2A	G ±.012 (±0.3)	J WALL THICKNESS MIN.	J WALL THICKNESS MAX.	L ± .010 (±0.3)	M ± .012 (±0.3)	N +.000-.0006 (+0.00-0.15)	P ± .007 (±0.2)	R ± .016 (±0.4)	S ± .12 (±0.3)	BB THREAD CLASS 2A
10SL	.8750-20 UNEF	.441 (11.2)	.094 (2.4)	.205 (5.2)	1.425 (36.2)	.965 (24.5)	.717 (18.2)	.157 (4.0)	1.062 (27)	1.252 (31.8)	.6250-24 UNEF
14S	1.1250-18 UNEF	.575 (14.6)	.094 (2.4)	.295 (7.5)	1.531 (38.9)	1.055 (26.8)	.969 (24.6)	.189 (4.8)	1.312 (33)	1.626 (41.3)	.7500-20 UNEF
16S	1.2500-180 UNEF	.618 (15.7)	.094 (2.4)	.295 (7.5)	1.531 (38.9)	1.055 (26.8)	1.079 (27.4)	.189 (4.8)	1.500 (38)	1.748 (44.4)	.8750-20 UNEF
16	1.2500-18 UNEF	.618 (15.7)	.094 (2.4)	.295 (7.5)	1.909 (48.5)	1.264 (32.1)	1.079 (27.4)	.189 (4.8)	1.500 (38)	1.748 (44.4)	.8750-20 UNEF
18	1.3750-18 UNEF	.661 (16.8)	.094 (2.4)	.354 (9.0)	1.941 (49.3)	1.327 (33.7)	12.13 (30.8)	.189 (4.8)	1.562 (40)	1.874 (47.6)	1.0000-20 UNEF
20	1.5000-18 UNEF	.709 (18.0)	.094 (2.4)	.358 (9.1)	1.941 (49.3)	1.327 (33.7)	1.346 (34.2)	.189 (4.8)	1.750 (44)	2.000 (50.8)	1.1250-18 UNEF
22	1.6250-18 UNEF	.795 (20.2)	.094 (2.4)	.358 (9.1)	1.941 (49.3)	1.327 (33.7)	1.472 (37.4)	.189 (4.8)	2.000 (51)	2.252 (57.2)	1.2500-18 UNEF
24	1.75000-18 UNEF	.795 (20.2)	.094 (2.4)	.358 (9.1)	1.953 (49.6)	1.327 (33.7)	1.610 (40.9)	.189 (4.8)	2.000 (51)	2.252 (57.2)	1.3750-18 UNEF
28	2.0000-18 UNS	.886 (22.5)	.094 (2.4)	.394 (10.0)	2.043 (51.9)	1.386 (35.2)	1.839 (46.7)	.220 (5.6)	2.188 (56)	2.500 (63.5)	1.6250-18 UNEF
32	2.2500-16 UN	.972 (24.7)	.094 (2.4)	.394 (10.0)	2.043 (51.9)	1.386 (35.2)	2.102 (53.4)	.220 (5.6)	2.438 (62)	2.748 (69.8)	1.8750-16 UN
36	2.5000-16 UN	1.059 (26.9)	.094 (2.4)	.327 (8.3)	2.043 (51.9)	1.386 (35.2)	2.346 (59.6)	.220 (5.6)	2.812 (71)	3.000 (76.2)	2.0625-16 UN
40	2.7500-16 UN	1.165 (29.6)	.094 (2.4)	.327 (8.3)	2.043 (51.9)	1.386 (35.2)	2.579 (65.5)	.220 (5.6)	3.000 (76)	3.248 (82.5)	2.3125-16 UN

All dimensions in inches (millimeters in parenthesis)

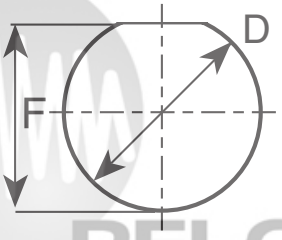
Dimensions

Panel Cutouts



Dim. J-flange in front of panel
Dim. K-flange at rear of panel
See sealing screws on page 257.

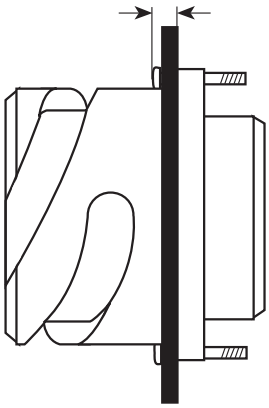
SHELL SIZE	STYLE 0, 2, 20, 30, TB FLANGE			
	G (TP)	MOUNTING HOLE DIAMETER H	J FRONT	K REAR
10SL	0.717 (18.2)	0.134 (3.4)	0.646 (16.4)	0.728 (18.5)
12S	0.811 (20.6)	0.134 (3.4)	0.646 (16.4)	0.854 (21.7)
14S	0.906 (23.0)	0.134 (3.4)	0.776 (19.7)	0.980 (24.9)
16S	0.969 (24.6)	0.134 (3.4)	0.902 (22.9)	1.091 (27.7)
16	0.969 (24.6)	0.134 (3.4)	0.902 (22.9)	1.091 (27.7)
18	1.063 (27.0)	0.134 (3.4)	1.028 (26.1)	1.224 (31.1)
20	1.157 (29.4)	0.134 (3.4)	1.161 (29.5)	1.358 (34.5)
22	1.252 (31.8)	0.134 (3.4)	1.287 (32.7)	1.488 (37.8)
24	1.374 (34.9)	0.154 (3.9)	1.417 (36.0)	1.626 (41.3)
28	1.563 (39.7)	0.154 (3.9)	1.654 (42.0)	1.854 (47.1)
32	1.752 (44.5)	0.177 (4.5)	1.902 (48.3)	2.118 (53.8)
36	1.937 (49.2)	0.177 (4.5)	2.150 (54.6)	2.362 (60.0)
40	2.185 (55.5)	0.177 (4.5)	2.409 (61.2)	2.610 (66.3)



SHELL SIZE	7/70 PANEL CUTOUT	
	F - FLAT	D - DIAMETER
10SL	0.830 (21.1)	0.875 (22.2)
14S	1.080 (27.4)	1.125 (28.6)
16S/16	1.210 (30.7)	1.250 (31.7)
18	1.320 (33.5)	1.375 (34.9)
20	1.450 (36.8)	1.500 (38.1)
22	1.570 (39.9)	1.625 (41.3)
24	1.700 (43.2)	1.750 (44.5)
28	1.950 (49.5)	2.000 (50.8)
32	2.200 (55.9)	2.250 (57.2)
36	2.450 (62.2)	2.500 (63.5)
40	2.700 (68.6)	2.750 (69.9)

Panel Thickness

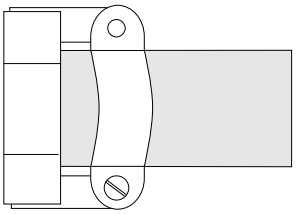
Rear Mount



SHELL SIZE	REAR MOUNT
10SL	.303 (7.70)
14S	.303 (7.70)
16S	.303 (7.70)
16	.242 (6.15)
18	.303 (7.70)
20	.303 (7.70)
22	.303 (7.70)
24	.303 (7.70)
28	.343 (8.70)
32	.309 (7.85)
36	.309 (7.85)
40	.309 (7.85)

All dimensions in inches (millimeters in parenthesis)

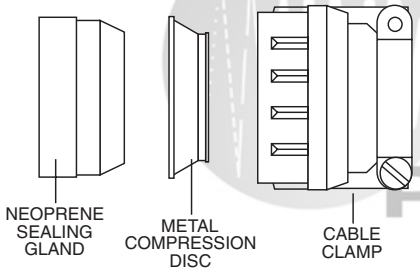
MS3057-A Cable Clamp



Standard MS3057 cable clamps have a dual clamping action to provide a balanced, positive hold on the wires and greatly reduce moisture transmission. This cable clamp accepts MS3420 bushings. MS3420 bushings can be nested to reduce the inside diameter to more closely match the diameter of the cable or wire bundle.

		STANDARD CLAMP				STANDARD CLAMP AND TELESCOPIC BUSHING		
SHELL SIZE	THREAD 2B	LOW COST CAST ZINC	ALUMINUM W/ BRASS SCREWS	ALUMINUM W/ STAINLESS STEEL SCREWS	MAXIMUM CABLE DIAMETER INCH (mm)	LOW COST ZINC WITH BUSHING	BUSHING INCLUDED	BUSHING ID INCH (mm)
8S	1/2-24UNEF	97-3057-1003	MS3057-3A	M85049/41-3A	.220 (5.58)	97-3057-1003-1	MS3420-3	0.130 (3.3)
10S/10SL	5/8-24UNEF	97-3057-1004	MS3057-4A	M85049/41-4A	.312 (7.92)	97-3057-1004-1	MS3420-4	0.220 (5.6)
12/12S/12SL	5/8-24UNEF	97-3057-1004	MS3057-4A	M85049/41-4A	.312 (7.92)	97-3057-1004-1	MS3420-4	0.220 (5.6)
14/14S	3/4-20UNEF	97-3057-1007	MS3057-6A	M85049/41-6A	.438 (11.13)	97-3057-1007-1	MS3420-6	0.312 (7.9)
16/16S	7/8-20UNEF	97-3057-1008	MS3057-8A	M85049/41-8A	.562 (14.27)	97-3057-1008-1	MS3420-8	0.437 (11.1)
18	1-20UNEF	97-3057-1010	MS3057-10A	M85049/41-10A	.625 (15.88)	97-3057-1010-1	MS3420-10	0.562 (14.3)
20/22	1 3/16-18UNEF	97-3057-1012	MS3057-12A	M85049/41-12A	.750 (19.05)	97-3057-1012-1	MS3420-12	0.625 (15.9)
24/28	1 7/16-18UNEF	97-3057-1016	MS3057-16A	M85049/41-16A	.938 (23.83)	97-3057-1016-1	MS3420-16, -12	0.625 (15.9)
32	1 3/4-18UNS	97-3057-1020	MS3057-20A	M85049/41-20A	1.250 (31.75)	97-3057-1020-1	MS3420-20, -16	0.750 (19.1)
36	2-18UNS	97-3057-1024	MS3057-24A	M85049/41-24A	1.375 (34.92)	97-3057-1024-1	MS3420-24, -20	0.937 (23.8)
40	2 1/4UNS-16	-	MS3057-28A	M85049/41-28A	1.625 (41.28)	-	-	- -

MS3057-C Waterproof Cable Clamp

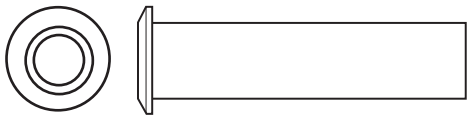


Standard MS3057-C waterproof cable clamp with mechanical strain relief for use with style F, L and T endbells. Internal neoprene gland and compression ring will seal a broad range of round cable diameters as listed below. For reduction of cable diameters, order the appropriate MS3420A bushing in table.

SHELL SIZE	PART NUMBER	WIRE DIAMETER INCHES (mm)		OPTIONAL BUSHINGS	
		MAX.	MIN.	PART NUMBER	MAX. WIRE DIA. (mm)
10SL	MS3057-4C	.312 (7.93)	.188 (4.80)	MS3420-4A	.219 (5.56)
14S	MS3057-6C	.438 (11.12)	.281 (7.10)	MS3420-6A MS3420-4A	.312 (7.93) .219 (5.56)
16/16S	MS3057-8C	.530 (13.48)	.312 (7.90)	MS3420-8A MS3420-6A	.438 (11.10) .312 (7.93)
18	MS3057-10C	.625 (15.87)	.375 (9.50)	MS3420-10A MS3420-6A	.438 (11.10) .312 (7.93)
20/22	MS3057-12C	.750 (19.00)	.500 (12.70)	MS3420-12A MS3420-8A	.540 (13.74) .438 (11.10)
24/28	MS3057-16C	.940 (23.8)	.625 (15.90)	MS3420-16A MS3420-12A MS3420-8A	.750 (19.00) .540 (13.74) .438 (11.10)
32	MS3057-20C	1.25 (31.75)	-	MS3420-20A MS3420-16A MS3420-12A	.938 (23.80) .750 (19.00) .540 (13.74)
36	MS3057-24C	1.38 (35.00)	1.00 (25.40)	MS3420-24A MS3420-18A MS3420-16A	1.12 (28.5) .938 (23.80) .750 (19.00)
40	MS3057-28C	1.62 (41.25)	1.25 (31.80)	MS3420-28A MS3420-20A MS3420-16A	1.25 (31.75) .940 (23.80) .750 (19.00)

All dimensions in inches (millimeters in parenthesis)

MS3420 Telescoping Bushings

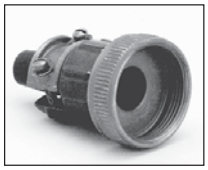


For use with style A cable clamps and AIT/MS style E/F endbells to eliminate dust, dirt and oil from entering the cable clamp. Bushings can be nested, one inside the other, to reduce the inside diameter and form a better seal against the cable jacket. Each bushing will accept the next smallest bushing.

SIZE	1ST BUSHING PART NUMBER	INSIDE DIAMETER	2ND NESTED BUSHING	INSIDE DIAMETER	FITS IN CABLE CLAMP
10SL	MS3420-4	.220 (5.59)	NONE	-	MS3057-4A
12S	MS3420-4	.220 (5.59)	NONE	-	MS3057-4A
14S	MS3420-6	.312 (7.92)	NONE	-	MS3057-6A
16S	MS3420-8	.437 (11.10)	NONE	-	MS3057-8A
16	MS3420-8	.437 (11.10)	NONE	-	MS3057-8A
18	MS3420-10	.562 (14.30)	NONE	-	MS3057-10A
20	MS3420-12	.625 (15.90)	NONE	-	MS3057-12A
22	MS3420-12	.625 (15.90)	NONE	-	MS3057-12A
24	MS3420-16	.750 (19.05)	MS3420-12	.625 (15.90)	MS3057-16A
28	MS3420-16	.750 (19.05)	MS3420-12	.625 (15.90)	MS3057-16A
32	MS3420-20	.937 (23.80)	MS3420-16	.750 (19.05)	MS3057-20A
36	MS3420-24	1.250 (31.75)	MS3420-20	.937 (23.80)	MS3057-24A
40	MS3420-28	1.375 (34.92)	MS3420-24	1.250 (31.75)	SE96-28A4

MS3420-A Reduction Bushings

For use with MS3057-C cable clamps (Style C) to reduce the wire sealing diameter. Bushings can be nested, one inside the other, to progressively reduce the inside diameter of the cable clamp. The column labeled "reduction bushings" shows the acceptable nesting options for each clamp.



9767 Cable Clamps

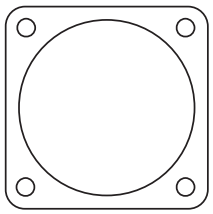
9767 waterproof cable clamp with mechanical strain relief. An internal neoprene gland seal bushing and compression washer will seal a broad range of round cable diameters as listed below.

SHELL SIZE	CABLE CLAMP PART NUMBER	MAX. CABLE OD		MIN. CABLE OD		THREAD CLASS 2B
		INCHES	(mm)	INCHES	(mm)	
10SL, 12S	9767-12-4	0.219	(5.55)	0.020	(0.51)	5/8-24 UNEF
14S	9767-14-4	0.219	(5.55)	0.020	(0.51)	3/4-20 UNEF
14S	9767-14-6	0.344	(8.73)	0.176	(4.47)	3/4-20 UNEF
16S, 16	9767-16-4	0.219	(5.55)	0.020	(0.51)	7/8-20 UNEF
16S, 16	9767-16-6	0.344	(8.73)	0.176	(4.47)	7/8-20 UNEF
16S, 16	9767-16-8	0.438	(11.12)	0.177	(4.50)	7/8-20 UNEF
18	9767-18-6	0.344	(8.73)	0.176	(4.47)	1-20 UNEF
18	9767-18-8	0.438	(11.12)	0.177	(4.50)	1-20 UNEF
18	9767-18-10	0.563	(14.29)	0.292	(7.42)	1-20 UNEF
20, 22	9767-22-8	0.438	(11.12)	0.177	(4.50)	1-3/16-18 UNEF
20, 22	9767-22-10	0.563	(14.29)	0.292	(7.42)	1-3/16-18 UNEF
20, 22	9767-22-12	0.688	(17.46)	0.370	(9.40)	1-3/16-18 UNEF
24, 28	9767-28-10	0.563	(14.29)	0.292	(7.42)	1-7/16-18 UNEF
24, 28	9767-28-12	0.688	(17.46)	0.370	(9.40)	1-7/16-18 UNEF
24, 28	9767-28-16	0.844	(21.43)	0.536	(13.61)	1-7/16-18 UNEF
32	9767-32-20	1.031	(26.19)	0.590	(14.99)	1-3/4-18 UNS
36	9767-36-16	0.844	(21.43)	0.536	(13.61)	2-18 UNS

All dimensions in inches (millimeters in parenthesis)

Accessories

Gaskets

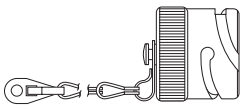
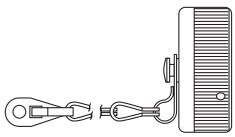
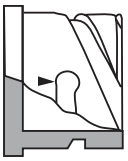
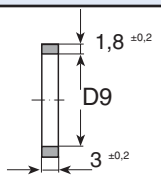


Synthetic rubber gaskets are used to insure a moisture tight seal between a receptacle and the panel. Gaskets are available for front or rear panel mounting of style 0, 2, 20, 30 and TB connectors. Gasket thickness is approximately .031" (1 mm), for nonconductive and low temperature types.
Conductive shielding gaskets contain an imbedded metal screen for EMI/RFI shielding in addition to moisture sealing. Gaskets are available for front or rear panel mounting of style 30 and TB connectors. Gasket thickness is .020" (.5 mm).

	FRONT MOUNT			REAR MOUNT
SHELL SIZE	NON-CONDUCTIVE	CONDUCTIVE	LOW TEMPERATURE	NON-CONDUCTIVE
10SL	10-040450-010	10-040450-10S	10-036675-010	10-580649-011
14S	10-040450-014	10-040450-14S	10-036675-014	10-580649-014
16S	10-040450-016	10-040450-16S	10-036675-016	10-580649-016
16	10-040450-016	10-040450-16S	10-036675-016	10-580649-016
18	10-040450-018	10-040450-18S	10-036675-018	10-580649-018
20	10-040450-020	10-040450-20S	10-036675-020	10-580649-020
22	10-040450-022	10-040450-22S	10-036675-022	10-580649-022
24	10-040450-024	10-040450-24S	10-036675-024	10-580649-024
28	10-040450-028	10-040450-28S	10-036675-028	10-580649-026
32	10-040450-032	10-040450-32S	10-036675-032	10-580649-032
36	10-040450-036	10-040450-36S	10-036675-036	10-580649-036
40	10-040450-040	10-040450-40S	10-036675-040	10-580649-040

Metal Dust Caps With Sash Chain

Metal dust caps are used to protect the contacts when the connectors are left unmated. Dust caps come with metal chain lanyards. Dummy Receptacles are for front or rear panel mounting. AIB/GT Series connectors have bayonet ramps. The center of the connector is closed. Dummy receptacles mount on the same centers and have the same outside dimensions as a STYLE 2 receptacle. A version with a clearance hole through the middle of the connector is also available. Call for ordering information.

	DUST CAPS			
	PLUG CAP	RECEPTACLE	DUMMY RECEPTACLES	PLUG SEAL RING
SHELL SIZE				
10SL	10-580903-11*	10-580902-11*	10-580595-11*	10-564843-101
14S	10-580903-14*	10-580902-14*	10-580595-14*	10-564843-141
16S	10-580903-16*	10-580902-16*	10-580595-16*	10-564843-161
16	10-580903-17*	10-580902-17*	10-580595-17*	10-564843-161
18	10-580903-18*	10-580902-18*	10-580595-18*	10-564843-181
20	10-580903-20*	10-580902-20*	10-580595-20*	10-564843-201
22	10-580903-22*	10-580902-22*	10-580595-22*	10-564843-221
24	10-580903-24*	10-580902-24*	10-580595-24*	10-564843-241
28	10-580903-28*	10-580902-28*	10-580595-28*	10-564843-281
32	10-580903-32*	10-580902-32*	10-580595-32*	10-564843-321
36	10-580903-36*	10-580902-36*	10-580595-36*	10-564843-161
40	10-580903-40*	10-580902-40*	10-580595-40*	10-564843-401

*Select code for plating:

Z = Black anodize
3 = Olive drab cadmium plate
9 = Olive drab cadmium nickel base
G = Electroless nickel
U = Green zinc cobalt
Y = Black Zinc cobalt

Solder Contacts

1. Slide the rear accessories over the wire bundle in the proper sequence for re-assembly: cable clamp and/or endbell first, then ferrule and (if used) coupling nut.

2. Insert individual wires through the proper holes in the grommet. Use isopropyl alcohol as a lubricant.

3. Solder wires to appropriate contacts on the rear of the connector. A document covering standard soldering practices is available upon request by fax or mail. Please call.

4. Fixture the connector for reassembly using the endbell assembly tools on page 96.

5. Slide the grommet down the wires (lubricating the grommet with isopropyl alcohol will help).

6. Fill all unused grommet cavities with a wire hole filler to maintain the sealing integrity of the connector. (page 73).

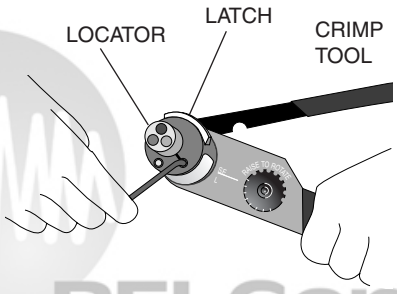
7. Slide coupling nut, ferrule, and endbell accessories over rear of the connector and tighten. For tooling, see page 96.

Crimp Tool Operation

NOTE: Hand crimp tools can be used with size 16S, 16 & 12 contacts. Size 8, 4 and 0 contacts require the use of air powered crimp tools. Call us for assistance in the use of these tools.

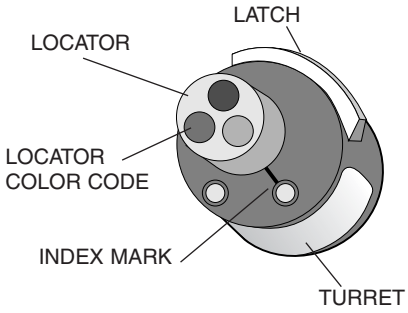
1. Strip the wires to the appropriate length. See strip lengths on the Contact Selection Guide, page 72.

2. Open the crimp tool by squeezing the handles. Push the latch on the turret to pop up the locator. Attach the turret to the crimp tool using the two captive hex bolts in the turret.

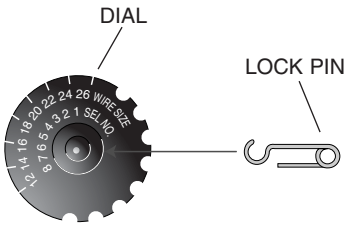


3. Select the proper locator position for your contact by rotating the locator until the proper color is aligned with the index mark. Push locator back down until it snaps into position.

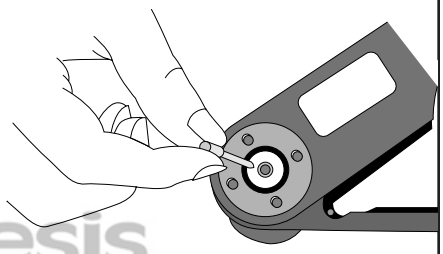
CONTACT SIZE	PIN LOCATOR COLOR	SOCKET LOCATOR COLOR
16S	Red	Red
16	Blue	Green
12	Green	Green



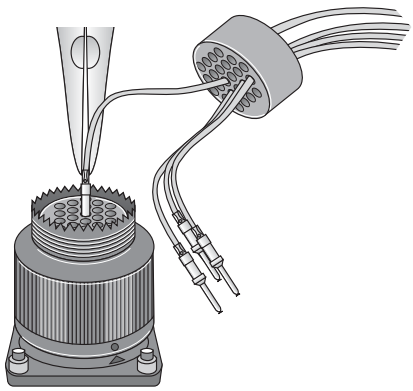
4. Adjust dial for proper wire gauge. To change the dial setting, remove the lock pin and lift center of dial. Turn to the desired wire gauge. Replace lock pin on dial.



5. Cycle the tool before inserting the contact to be sure the tool is in the open position. Drop the contact, mating end first, into the crimp cavity of the tool. Squeeze the tool handle just enough to grip the contact without actually crimping it.

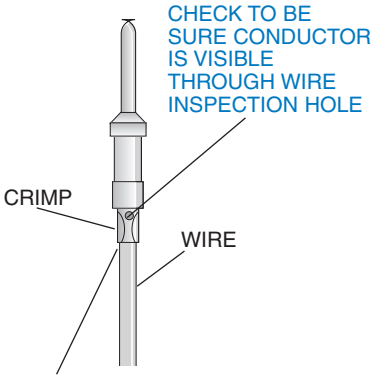


6. Insert the stripped wire into the contact with a slight twisting motion. Be sure all wire strands are inside the contact. Squeeze the handle to cycle the tool. The handle will not release until the contact is completely crimped.



Crimp Tool Operation
(continued)

7. Remove the crimped contact. Pull on the wire slightly to be sure it is properly crimped. Be sure the contact is not bent or damaged in any way. Visually inspect the crimp:



MICRO-SECTIONS

Enlargement of micro-section permits a final inspection of crimp quality. This test is recommended whenever new tools or new types of wire or contacts are used.

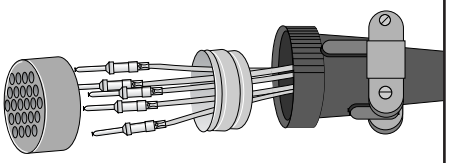
Crimp Tensile Strength

Initial minimum pullout force in lb. (before conditioning)

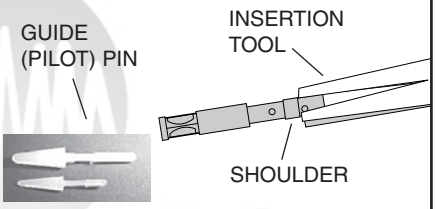
SIZE	WIRE GAUGE	LB.
16	20	20
	18	40
	16	50
12	14	70
	12	110
8	8	185
4	4	450
0	0	800

Insertion of Contacts

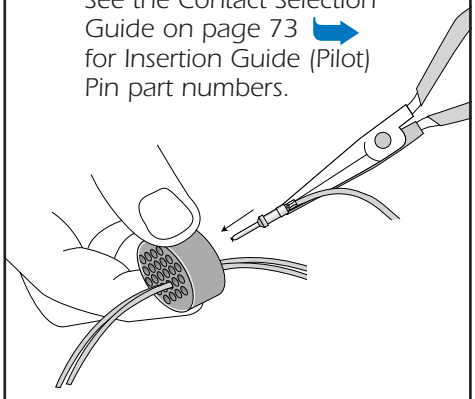
1. Slide the rear accessories over the wire bundle in the proper sequence for re-assembly: cable clamp and/or endbell first, then ferrule, and coupling nut.



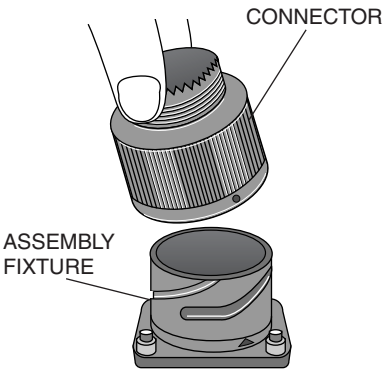
2. Use the proper insertion tool from the Contact Selection Chart on page 73. Place the contact in the tool. The tool should butt against the shoulder of the contact. Contact sizes 16S, 16, and 12 use a pliers style tool. Contact sizes 8, 4 and 0 use a tool with a 'C' shaped shaft.



3. Lubricate the grommet with isopropyl alcohol (do not use any lubricant other than isopropyl alcohol). Insert the contact through the appropriate cavity in the grommet. Sizes 16S, 16 and 12 socket contacts must be installed using guide pins. See the Contact Selection Guide on page 73 for Insertion Guide (Pilot) Pin part numbers.

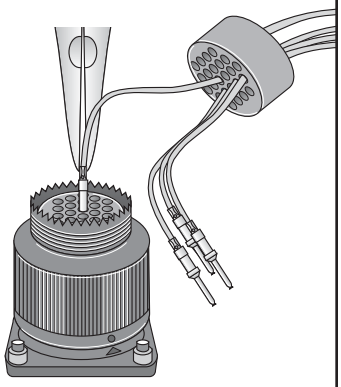


4. Place the connector into an assembly fixture (fixtures are available for production use, call us.) If you are not using a fixture, be sure to allow clearance on the mating face of the connector for the guide pins to come through the connector during insertion.



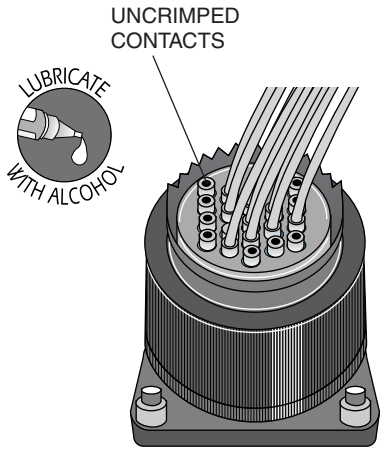
5. Lubricate the contact cavities of the connector insulator with isopropyl alcohol (do not use any other type of lubricant).

6. Using guide pins where necessary, push straight down with a firm even pressure until the contact snaps into position in the proper cavity. Start at the center of the pattern and work toward the outer edges.

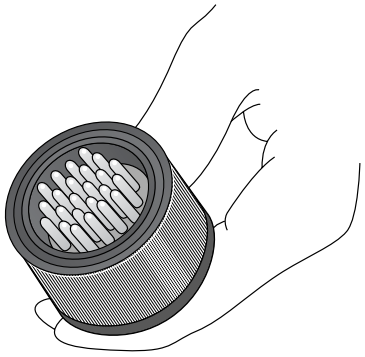


Insertion of Contacts

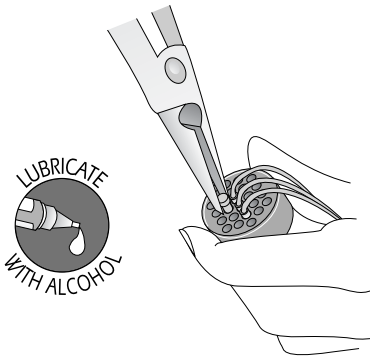
7. Fill any unused cavities with contacts.



8. Check the mating face of the connector to insure that all the same size contacts are on the same plane (fully inserted). If not, the contact is not fully inserted. Remove the contact using the proper extraction tool and procedure and reinsert. Do not attempt to reinsert the insertion tool to correct the problem.



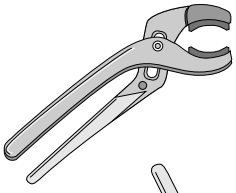
9. A wire hole filler must be inserted into the grommet behind the unused contacts to maintain the sealing integrity of the connector. See the Contact Selection Chart on page 73 for wire hole fillers.

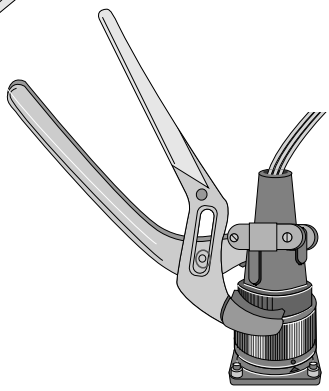


10. Place the connector back in the fixture for re-assembly. Slide the connector accessories back down the cable over the rear of the connector and tighten. Use the appropriate endbell tools as shown on page 73.

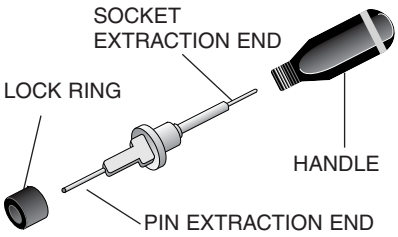
Extraction of Contacts

1. Remove the endbell accessories and slide them back over the wires. Use the appropriate endbell tools as shown on page 96.

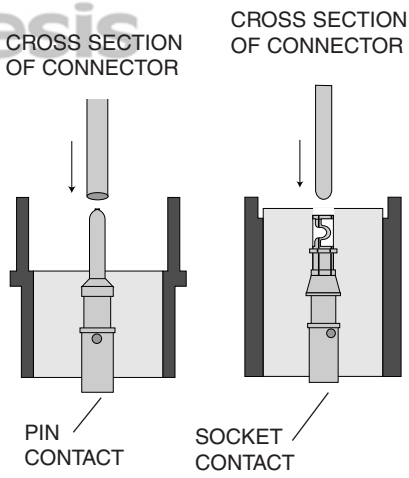




2. Use the proper extraction tool from the Contact Selection Chart on page 73. The extraction tool can be used for both pin and socket contacts by removing the shaft from the handle and reversing it for pin or socket extraction.



3. On the mating face of the connector, insert the tool over the pin contact or into the socket contact until the tool bottoms. Apply a slow continuous pressure to push the contact out the rear of the connector. When the shoulder of the tool "thunks" against the insulator, the contact is extracted.



4. Carefully remove the extraction tool from the connector to avoid damage to the insulator.

Amphenol How To Order Guide

AIB/GT Series Connectors

GT C 00 A 36-5 P W - 002

SERIES

GT Circular connectors with bayonet coupling

CONTACT STYLE/INSERT

C = Crimp
S = Solder
CY = Crimp with Viton
SY = Solder with Viton
CL = Crimp with low smoke/flame retardant inserts
SL = Solder with low smoke/flame retardant inserts

SHELL STYLE

00 Wall mount receptacle
01 Inline receptacle
02 Box mount receptacle
020 Box mount receptacle with accessory threads
030 Square flange receptacle - rear panel mount (Most Popular)
05 Dummy receptacle
06 Straight plug (Most Popular)
062 Straight plug with deep serrated coupling nut*
064 Panel mounted plug with heavy duty coupling nut
065 Straight plug with long heavy duty coupling nut
07 Jam nut receptacle - rear panel mount
070 Jam nut receptacle with accessory threads
08 90˚ angle plug
TB Thru-bulkhead

CONNECTOR SHELL VARIATIONS

Omit for standard olive drab with silver plated contacts
G96 Black anodized
014 Olive drab cadmium plate, nickel base
A24 Gold/nickel plated contacts
023 Electroless nickel (RoHS with Crimp only)
025 Black zinc cobalt (RoHS with Crimp only)
027 Conductive black zinc cobalt
024 Green zinc cobalt
B30 Gold
New! RDS Radsok power contacts 8, 4 & 0 socket contact only
116 Less pre-tinned solder cups
472 116 & 025 mod codes (RoHS)
548 116 & 023 mod codes (RoHS)

ALTERNATE INSERT ROTATION

"W", "X", "Y", "Z" designates that the insert is rotated in its shell from a normal position. No letter required for normal (no rotation) position.
See pages 59-69.

CONTACT STYLE

P designates pin contacts
S designates socket contacts

SHELL SIZE & LAYOUT

See pages 50-69.

CONNECTOR CLASS

A General duty, threaded backshell, no cable clamp, no grommet
AF General duty, threaded backshell, cable clamp, no grommet
F General duty, threaded backshell, cable clamp, with grommet
CF General duty, threaded endbell, gland-seal cable clamp, no grommet
CFZ General duty, threaded endbell, gland-seal cable clamp, with grommet
G One-piece, heat shrink endbell adaptor, with grommet (use with heat shrink boot – see Accessories, pages 258-260)
G2 Two-piece, heat shrink endbell adaptor, with grommet (use with heat shrink boot – see Accessories, pages 258-260)
LC Long threaded backshell, gland-seal cable clamp, with grommet, and basket-weave cord grip (please call with cable O.D.)
LCF Long threaded endbell, gland-seal cable clamp, no grommet
LCFZ Long threaded endbell, gland-seal cable clamp, with grommet
R General duty, threaded backshell, no cable clamp, with grommet
RV General duty, short backshell, with grommet (may be used with heat shrink boot – see Accessories, pages 258-260)
CFGG General duty, threaded endbell, gland-seal cable clamp, no grommet, rubber-covered coupling nut (shell styles 06 and 08 only)
PP Panel plug, only for shell styles 06 and 064
LT Long back shell for metal core conduit, with grommet (please call with conduit O.D.)
PFC For plastic, flexible conduit (please call with conduit O.D.) see pages 262-263.
SL Long backshell for use with PG gland-seal style cord grip (please call with cable O.D.)

Mateability with identical contact arrangements

Connector Style	Mateable with Style
GT00	GT06/062/064/065/08
GT01	GT06/062/064/065/08
GT02	GT06/062/064/065/08
GT020	GT06/062/064/065/08
GT030	GT06/062/064/065/08
GT06/062/064/065	GT00/01/02/020/03/030/05/070/TB
GT07/070	GT06/062/064/065/08
GT08	GT00/01/02/020/03/030/05/070/TB
GTTB	GT06/062/064/065/08

Have a unique requirement?
Doing standard modifications quickly is our specialty! To save cost, minimize lead time, and reduce assembly labor, **please call 800-523-0727** for engineering assistance.

AIBC/ACA-B Series Connectors

To more easily illustrate ordering procedure, part number ACA3106E181SXB-F80 is shown as follows:

ACA 3106 E 18 1 S X B - F80

SERIES

ACA Circular Connector Family

SHELL STYLES

- 3100 - Wall mount receptacle with rear accessory threads for front mounting through holes in flange
- 3101 - Cable connecting receptacle with rear accessory threads
- 3102 - Front mount box receptacle no rear accessory threads through holes in flange
- 3103 - Rear mount box receptacle with rear accessory threads through holes in flange
- 3106 - Plug straight
- 3107A - Jam nut receptacle rear mount no rear accessory threads
- 3108 - Plug with 90 degree endbell

CONNECTOR CLASS

- E Environmental with resilient insulator and endbell with clamp and bushing
- F Environmental with resilient insulator and endbell with rear accessory threads
- G Two piece backshell for heat shrink boots
- R Environmental with resilient insulator and shortened lightweight endbell without cable clamp

SHELL SIZE

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

CONNECTOR ARRANGEMENT

See pages 50-58 for layouts by number of contacts

CONTACT TYPE

P - Pin

S - Socket

ALTERNATE POSITION

W, X, Y, and Z

No suffix required for normal position

See pages 59-69 for valid alternate insert position (rotation)

REVERSE BAYONET COUPLING

CONNECTOR MODIFICATION

- 01 - Metric crimp contacts
- 116 - Less solder filled contacts
- F80 - AWG Crimp contacts
- A176 - Gold plated contacts
- A23 - Electroless nickel plating shells
- A232 - Black zinc cobalt plated shells
- F42 - Less grommet, endbell & sleeve (ferrule)
- F0 - Less contacts (ordered separately)
- RFI - Grounding spring on barrel (3106 & 3108)
- T00 - Metric threaded holes in flange (3100, 3102, 3103 only)

Consult factory for other modifications

Mateability with identical contact arrangements

Connector Style	Mateable with Style
ACA 3100	ACA3106/ ACA3108
ACA 3101	ACA3106/ ACA3108
ACA 3102	ACA3106/ ACA3108
ACA 3103	ACA3106/ ACA3108
ACA 3105	ACA3106/ ACA3108
ACA 3106	ACA3101/ ACA3102/ ACA3103
ACA 3108	ACA3101/ ACA3102/ ACA3103

Use the AIB/GT Series part numbering system on pages 48-49 whenever possible.

Connector Tools

TG70 Strap Wrench

The strap wrench is used to connect or disconnect coupling nuts in a confined space, or to tighten or loosen endbells without damaging the connector plating. A strap wrench also increases torque, allowing you to more easily mate or unmate a connector pair. Substitute tools, such as a pipe wrench or pliers, should never be used because of the high probability of severe damage to the connector plating or the coupling mechanism.

TG69P Non-Marring Adjustable Endbell Pliers For Field Service

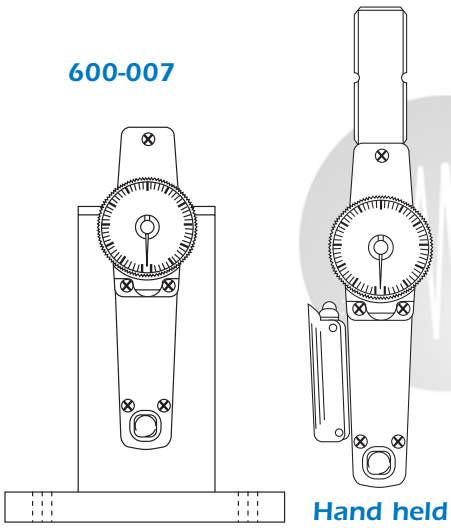
The TG69P pliers have resilient jaws and are used to tighten or remove endbells without damaging the connector plating. The pliers are adjustable and will accommodate all of the connector sizes in this catalog. Substitute tools, such as a pipe wrench or metal jaw pliers, should never be used due to the high probability of severe damage to the connector plating. Replacement jaws, Part No. G77015, are available.

600 Series Production System

The 600 Series is a complete system for the proper assembly and torquing of connector endbells. The System includes a bench mounted or hand-held torque wrench, plug and receptacle holders, and a range of endbell tightening tools. When used together, these tools provide the user with consistent endbell installations. Each item is shipped with detailed assembly instructions.

600-004

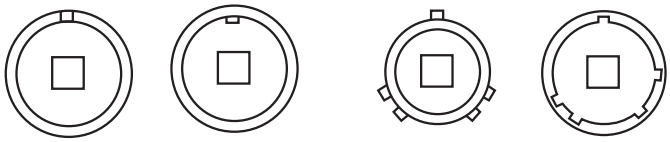
600-007



Bench mounted Torque wrench

Hand held Torque wrench

Plug and Receptacle Holders



600B005-R 600B005-P 600D005-R 600D005-P

SIZE	MIL-DTL-5015 FOR AIT/MS, AIB/GT, P-lok		MIL-DTL-26482 FOR PT, PT-SE, MS311_, MS312_	
	RECEPTACLES	PLUGS	RECEPTACLES	PLUGS
8/8S	600B005-8R	600B005-8P	600D005-8R	600D005-8P
10S/SL	600B005-10R	600B005-10P	600D005-10R	600D005-10P
12/12S	600B005-12R	600B005-12P	600D005-12R	600D005-12P
14/14S	600B005-14R	600B005-14P	600D005-14R	600D005-14P
16/16S	600B005-16R	600B005-16P	600D005-16R	600D005-16P
18	600B005-18R	600B005-18P	600D005-18R	600D005-18P
20	600B005-20R	600B005-20P	600D005-20R	600D005-20P
22	600B005-22R	600B005-22P	600D005-22R	600D005-22P
24	600B005-24R	600B005-24P	600D005-24R	600D005-24P
28	600B005-28R	600B005-28P	-	-
32	600B005-32R	600B005-32P	-	-
36	600B005-36R	600B005-36P	-	-

Torque Values

Important Note:
If Barrel/Shell have three threads or less, torque to 30 to 35 inch - Lbs (3.4 to 4.0 NM) per L-725-2.

SIZE	IN./LB. MAX.
10SL	26
14S	44
16	50
16S	50
18	55
20	65
22	85
24	90
28	114
32	120
36	153
40	170