# Amphenol® ACA-B Reverse Bayonet Coupling Connectors

12-027-1

**The Industrial Connector for Factory Automation, Robotics, Process Control and Test & Measurement Equipment.**

**Amphenol**

**Table of Contents** **Page No.**

**Amphenol® ACA-B Reverse Bayonet Coupling Connectors**


General Description . . . . . 1
Insert availability . . . . . 2-4
Insert alternate positioning . . . . . 5
Contact arrangements. . . . . 6-24
ACA-B Connector Classes . . . . . 25
ACA 3100F-B wall mount receptacle for front panel mounting . . . . . 26
ACA 3100E-B wall mount receptacle for front panel mounting . . . . . 27
ACA 3100G-B wall mount receptacle for front panel mounting . . . . . 28
ACA 3100R-B wall mount receptacle for front panel mounting . . . . . 29
ACA 3101F-B cable connecting receptacle . . . . . 30
ACA 3101E-B cable connecting receptacle . . . . . 31
ACA 3101G-B cable connecting receptacle . . . . . 32
ACA 3101R-B cable connecting receptacle . . . . . 33
ACA 3102E-B box mount receptacle for front panel mounting . . . . . 34
ACA 3103F-B wall mount receptacle for rear panel mounting . . . . . 35
ACA 3103E-B wall mount receptacle for rear panel mounting . . . . . 36
ACA 3103G-B wall mount receptacle for rear panel mounting . . . . . 37
ACA 3103R-B wall mount receptacle for rear panel mounting . . . . . 38
ACA 3106F-B straight plug . . . . . 39
ACA 3106E-B straight plug . . . . . 40
ACA 3106G-B straight plug . . . . . 41
ACA 3106R-B straight plug . . . . . 42
ACA 3107A-B jam nut receptacle. . . . . 43
ACA 3108F-B 90 degree angle plug . . . . . 44
ACA 3108E-B 90 degree angle plug . . . . . 45
Connector Accessories - sealing gaskets . . . . . 46
Connector Accessories - receptacle protection caps . . . . . 47
Accessories - plug protection caps . . . . . 48
Accessories - rear mounting data - receptacles, sealing plugs, sealing ranges. . . . . 49
Accessories - crimp and solder contact information. . . . . 50-52
ACA-B Connectors How to Order, connector intermateability. . . . . 53
Sales office listing



For further information on your individual application requirements, contact:
Amphenol Corporation
Amphenol Industrial Operations
40-60 Delaware Avenue
Sidney, New York 13838-1395
Phone: 607-563-5011 Fax: 607-563-5351


**View and download or print Amphenol catalogs on-line at: www.amphenol-industrial.com**

Amphenol Aerospace is a Certified ISO 9001 Manufacturer

# Amphenol® ACA-B Connectors
## with reverse bayonet coupling

**Features of the Amphenol ® ACA-B Reverse Bayonet Coupling Connectors with MIL-DTL-5015 insert patterns:**

- Quick positive coupling
- Audible and tactile indication of full coupling
- Waterproof - IP67 rated
- No lockwiring required
- High shock and vibration capabilites
- Inserts available in Neoprene
- Available in both crimp and solder terminations
- Contacts available in gold and silver plating
- Numerous finishes available
- Zinc alloy plating (cadmium free) available
- Rugged construction
- Intermateable with existing VG95234 connectors
- 500 couplings minimum
- Up to 50% more ampacity with the use of RADSOK® socket contacts. Consult Amphenol Industrial Operations for more information or see Amphenol® Amphe-Power Connectors with RADSOK® Technology, SL-391 (online at www.amphenol-industrial.com).
- Operating temperature range: -55°c to 125°c

**RoHS Compliant Product Available** – Consult Amphenol Industrial Operations.

**The ACA-B is designed for commercial and Industrial environments requiring a rugged bayonet style connector for heavy duty power and signal applications.**

A comprehensive selection of insert arrangements and accessory hardware configurations are featured to accommodate heavy-duty, commercial wire and cable.
ACA-B is manufactured in accordance with MIL-DTL-5015 and VG95234. The insulators are made of high quality polychloroprene material and can withstand temperatures of –55 to +125 degrees C. The rugged shell is made from aluminum alloy and plated with a variety of finishes to meet any application. Contacts are machined from copper alloy or brass and can be plated with gold or silver.

Common applications include automation, machine tool, robotics, instrumentation, process control, material handling, and test and measurement.

# ACA-B
## insert availability

| Insert Arrangement | Service Rating | Total Contacts | Contact Size | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Coax | | | |
| | | | 0 | 4 | 8 | 12 | 16 | 0 | 4 | 8 | 12 |
| 10SL-3 | A | 3 | | | | | 3 | | | | |
| 10SL-4† | A | 2 | | | | | 2 | | | | |
| 14S-2 | Inst. | 4 | | | | | 4 | | | | |
| 14S-4 | D | 1 | | | | | 1 | | | | |
| 14S-5 | Inst. | 5 | | | | | 5 | | | | |
| 14S-6 | Inst. | 6 | | | | | 6 | | | | |
| 14S-7 | A | 3 | | | | | 3 | | | | |
| 14S-9 | A | 2 | | | | | 2 | | | | |
| 14S-10 | Inst. | 4 | | | | | 4 | | | | |
| 14S-12 | A | 3 | | | | | 3 | | | | |
| 14S-A7 | A | 7 | | | | | 7 | | | | |
| 16S-1 | A | 7 | | | | | 7 | | | | |
| 16S-3 | B | 1 | | | | | 1 | | | | |
| 16S-4 | D | 2 | | | | | 2 | | | | |
| 16S-5 | A | 3 | | | | | 3 | | | | |
| 16S-6 | A | 3 | | | | | 3 | | | | |
| 16S-8 | A | 5 | | | | | 5 | | | | |
| 16-2 | E | 1 | | | | 1 | | | | | |
| 16-7 | A | 3 | | | 1 | | 2 | | | | |
| 16-9 | A | 4 | | | | 2 | 2 | | | | |
| 16-10 | A | 3 | | | | 3 | | | | | |
| 16-11 | A | 2 | | | | 2 | | | | | |
| 16-12 | A | 1 | | 1 | | | | | | | |
| 16-13 | A | 2 | | | | 2 | | | | | |
| 16-59 | A | 4 | | | | 4 | | | | | |
| 18-1 | A/Inst. | 10 | | | | | 10 | | | | |
| 18-3 | D | 2 | | | | 2 | | | | | |
| 18-4 | D | 4 | | | | | 4 | | | | |
| 18-5 | D | 3 | | | | 2 | 1 | | | | |
| 18-6 | D | 1 | | 1 | | | | | | | |
| 18-7 | B | 1 | | | 1 | | | | | | |
| 18-8 | A | 8 | | | | 1 | 7 | | | | |
| 18-9 | Inst. | 7 | | | | 2 | 5 | | | | |
| 18-10 | A | 4 | | | | 4 | | | | | |
| 18-11 | A | 5 | | | | 5 | | | | | |
| 18-12 | A | 6 | | | | | 6 | | | | |
| 18-13 | A | 4 | | | 1 | 3 | | | | | |
| 18-14 | A | 2 | | 1 | | | 1 | | | | |
| 18-15 | A | 4 | | | | 4 | | | | | |
| 18-17 | Inst. | 7 | | | | 2 | 5 | | | | |
| 18-19 | A | 10 | | | | | 10 | | | | |
| 18-20 | A | 5 | | | | | 5 | | | | |
| 18-22 | D | 3 | | | | | 3 | | | | |
| 18-24 | A/Inst. | 10 | | | | | 10 | | | | |
| 18-29 | A | 5 | | | | | 5 | | | | |
| 18-30 | A | 5 | | | | | 5 | | | | |
| 18-31 | A | 5 | | | | | 5 | | | | |

*Crimp contacts accommodate wire the same size as the contact as well as wire of the next smaller, even size. Arrangements identified with an asterisk (*) are exceptions. See insert arrangement drawings on pages 6-24 for application wire size.

| Insert Arrangement | Service Rating | Total Contacts | Contact Size | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Coax | | | |
| | | | 0 | 4 | 8 | 12 | 16 | 0 | 4 | 8 | 12 |
| 20-2 | D | 1 | 1 | | | | | | | | |
| 20-3 | D | 3 | | | | 3 | | | | | |
| 20-4 | D | 4 | | | | 4 | | | | | |
| 20-6 | D | 3 | | | | | 3 | | | | |
| 20-7 | D/A | 8 | | | | | 8 | | | | |
| 20-8 | Inst. | 6 | | | 2 | | 4 | | | | |
| 20-9 | D/A | 8 | | | | 1 | 7 | | | | |
| 20-11 | Inst. | 13 | | | | | 13 | | | | |
| 20-12 | A | 2 | | 1 | | | 1 | | | | |
| 20-14 | A | 5 | | | 2 | 3 | | | | | |
| 20-15 | A | 7 | | | | 7 | | | | | |
| 20-16 | A | 9 | | | | 2 | 7 | | | | |
| 20-17 | A | 6 | | | | 5 | 1 | | | | |
| 20-18 | A | 9 | | | | 3 | 6 | | | | |
| 20-19 | A | 3 | | | 3 | | | | | | |
| 20-20 | A | 4 | | 1 | | 3 | | | | | |
| 20-21 | A | 9 | | | | 1 | 8 | | | | |
| 20-22 | A | 6 | | | 3 | | 3 | | | | |
| 20-23 | A | 2 | | | 2 | | | | | | |
| 20-24 | A | 4 | | | 2 | | 2 | | | | |
| 20-25 | Inst. | 13 | | | | | 13 | | | | |
| 20-26 | A | 19 | | | | | 19 | | | | |
| 20-27 | A | 14 | | | | | 14 | | | | |
| 20-29 | A | 17 | | | | | 17 | | | | |
| 20-30 | Inst. | 13 | | | | | 13 | | | | |
| 20-33 | A | 11 | | | | | 11 | | | | |
| 20-51 | A | 3 | | | 3 | | | | | | |
| 20-57 | A | 7 | | | | 7* | | | | | |
| 20-58 | A | 10 | | | | 5 | 5 | | | | |
| 20-59 | A | 3 | | | 3* | | | | | | |
| 20-66 | A | 6 | | | | 5* | 1 | | | | |
| 20-79 | A/D | 8 | | | | 1 | 7 | | | | |
| 22-1 | D | 2 | | | 2 | | | | | | |
| 22-2 | D | 3 | | | 3 | | | | | | |
| 22-4 | A | 4 | | | 2 | 2 | | | | | |
| 22-5 | D | 6 | | | | 2 | 4 | | | | |
| 22-6 | D | 3 | | | 2 | | 1 | | | | |
| 22-7 | E | 1 | 1 | | | | | | | | |
| 22-8 | E | 2 | | | | 2 | | | | | |
| 22-9 | E | 3 | | | | 3 | | | | | |
| 22-10 | E | 4 | | | | | 4 | | | | |
| 22-11 | B | 2 | | | | | 2 | | | | |
| 22-12 | D | 5 | | | 2 | | 3 | | | | |
| 22-13 | D/A | 5 | | | | 4 | 1 | | | | |
| 22-14 | A | 19 | | | | | 19 | | | | |
| 22-15 | E/A | 6 | | | | 5 | 1 | | | | |

†10SL-4 arrangement available only with pin contacts in receptacle and socket contacts in plug

**Coaxial cable data can be found on insert arrangement drawings, pages 6-24. For further information on coaxial contacts and cable see catalog 12-130.

# ACA-B
## insert availability, cont.

| Insert Arrangement | Service Rating | Total Contacts | Contact Size | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Coax** | | | |
| | | | 0 | 4 | 8 | 12 | 16 | 0 | 4 | 8 | 12 |
| 22-16 | A | 9 | | | | 3 | 6 | | | | |
| 22-17 | D/A | 9 | | | | 1 | 8 | | | | |
| 22-18 | D/A | 8 | | | | | 8 | | | | |
| 22-19 | A | 14 | | | | | 14 | | | | |
| 22-20 | A | 9 | | | | | 9 | | | | |
| 22-21 | A | 3 | 1 | | | | 2 | | | | |
| 22-22 | A | 4 | | | 4 | | | | | | |
| 22-23 | D/A | 8 | | | | 8 | | | | | |
| 22-24 | D/A | 6 | | | | 2 | 4 | | | | |
| 22-27 | D/A | 9 | | | 1 | | 8 | | | | |
| 22-28 | A | 7 | | | | 7 | | | | | |
| 22-33 | D/A | 7 | | | | | 7 | | | | |
| 22-34 | D | 5 | | | | 3 | 2 | | | | |
| 22-63 | A | 12 | | | | 4 | 8 | | | | |
| 22-65 | D/A | 8 | | | | 8* | | | | | |
| 22-70 | A | 13 | | | | 8 | 5 | | | | |
| 22-80 | A | 3 | | | 3* | | | | | | |
| 24-2 | D | 7 | | | | 7 | | | | | |
| 24-3 | D | 7 | | | | 2 | 5 | | | | |
| 24-5 | A | 16 | | | | | 16 | | | | |
| 24-6 | D/A | 8 | | | | 8 | | | | | |
| 24-7 | A | 16 | | | | 2 | 14 | | | | |
| 24-9 | A | 2 | | 2 | | | | | | | |
| 24-10 | A | 7 | | | 7 | | | | | | |
| 24-11 | A | 9 | | | 3 | 6 | | | | | |
| 24-12 | A | 5 | | 2 | | 3 | | | | | |
| 24-16 | D/A | 7 | | | 1 | 3 | 3 | | | | |
| 24-17 | D | 5 | | | | 2 | 3 | | | | |
| 24-19 | A | 12 | | | | | 12 | | | | |
| 24-20 | D | 11 | | | | 2 | 9 | | | | |
| 24-21 | D | 10 | | | 1 | | 9 | | | | |
| 24-22 | D | 4 | | | 4 | | | | | | |
| 24-27 | E | 7 | | | | | 7 | | | | |
| 24-28 | Inst. | 24 | | | | | 24 | | | | |
| 24-51 | A | 5 | | | 5 | | | | | | |
| 24-52 | Hi Volt. | 1 | | | | 1 | | | | | |
| 24-53 | A | 5 | | | 5 | | | | | | |
| 24-58 | A | 13 | | | 3 | 3 | 7 | | | | |
| 24-59 | A | 14 | | | | 7 | 7 | | | | |
| 24-60 | A | 7 | | | 7* | | | | | | |
| 24-65 | A | 15 | | | | 11 | 4 | | | | |
| 24-66 | D | 7 | | | | 7 | | | | | |
| 24-67 | Inst. | 19 | | | | 19 | | | | | |
| 24-71 | A | 7 | | | 7* | | | | | | |
| 24-75 | A | 7 | | | 7* | | | | | | |
| 24-79 | A | 5 | | | 5 | | | | | | |
| 24-80 | Inst. | 23 | | | | | 23 | | | | |

*Crimp contacts accommodate wire the same size as the contact as well as wire of the next smaller, even size. Arrangements identified with an asterisk (*) are exceptions. See insert arrangement drawings on pages 6-24 for application wire size.

| Insert Arrangement | Service Rating | Total Contacts | Contact Size | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Coax** | | | |
| | | | 0 | 4 | 8 | 12 | 16 | 0 | 4 | 8 | 12 |
| 24-84 | A | 19 | | | | 1 | | | | | 18 |
| 24-96 | Inst. | 28 | | | | | 28 | | | | |
| 24-AJ | A | 25 | | | | | 25 | | | | |
| 28-1 | D/A | 9 | | | 3 | 6 | | | | | |
| 28-2 | D | 14 | | | | 2 | 12 | | | | |
| 28-3 | E | 3 | | | 3 | | | | | | |
| 28-4 | E/D | 9 | | | | 2 | 7 | | | | |
| 28-5 | D | 5 | | 2 | | 1 | 2 | | | | |
| 28-6 | D | 3 | | 3 | | | | | | | |
| 28-7 | D | 2 | | 2 | | | | | | | |
| 28-8 | E/D/A | 12 | | | | 2 | 10 | | | | |
| 28-9 | D | 12 | | | | 6 | 6 | | | | |
| 28-10 | D/A | 7 | | 2 | 2 | 3 | | | | | |
| 28-11 | A | 22 | | | | 4 | 18 | | | | |
| 28-12 | A | 26 | | | | | 26 | | | | |
| 28-13 | A | 26 | | | | | 26 | | | | |
| 28-15 | A | 35 | | | | | 35 | | | | |
| 28-16 | A | 20 | | | | | 20 | | | | |
| 28-17 | B/D/A | 15 | | | | | 15 | | | | |
| 28-18 | C/D/A/ Inst. | 12 | | | | | 12 | | | | |
| 28-19 | B/D/A | 10 | | | | 4 | 6 | | | | |
| 28-20 | A | 14 | | | | 10 | 4 | | | | |
| 28-21 | A | 37 | | | | | 37 | | | | |
| 28-22 | D | 6 | | 3 | | | 3 | | | | |
| 28-51 | A | 12 | | | | 12 | | | | | |
| 28-59 | A | 17 | | | | 7 | 10 | | | | |
| 28-66 | A | 16 | | | 2 | 14 | | | | | |
| 28-72 | Coax | 3 | | | | | | | 3 | | |
| 28-74 | A | 16 | | | 7* | | 9 | | | | |
| 28-75 | A | 16 | | | 7* | | 9 | | | | |
| 28-79 | A | 16 | | | 7 | | 9 | | | | |
| 28-82 | D | 6 | | | 2 | 4 | | | | | |
| 28-84 | A | 9 | | | 9 | | | | | | |
| 28-AY | A | 9 | | 4 | | | 5 | | | | |
| 32-1 | E/D | 5 | 2 | | | 3 | | | | | |
| 32-2 | E | 5 | | 3 | | | 2 | | | | |
| 32-3 | D | 9 | 1 | 2 | | 2 | 4 | | | | |
| 32-4 | A/D | 14 | | | | 2 | 12 | | | | |
| 32-5 | D | 2 | 2 | | | | | | | | |
| 32-6 | A | 23 | | 2 | 3 | 2 | 16 | | | | |
| 32-7 | Inst./A | 35 | | | | 7 | 28 | | | | |
| 32-8 | A | 30 | | | | 6 | 24 | | | | |
| 32-9 | D | 14 | | 2 | | | 12 | | | | |
| 32-10 | E/B/D/A | 7 | | 2 | 2 | | 3 | | | | |
| 32-12 | A/D | 15 | | | | 5 | 10 | | | | |
| 32-13 | D | 23 | | | | 5 | 18 | | | | |

**Coaxial cable data can be found on insert arrangement drawings, pages 6-24. For further information on coaxial contacts and cable see catalog 12-130.

# ACA-B
## insert availability, cont.

| Insert Arrangement | Service Rating | Total Contacts | Contact Size | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Coax** | | | |
| | | | 0 | 4 | 8 | 12 | 16 | 0 | 4 | 8 | 12 |
| 32-15 | D | 8 | 2 | | | 6 | | | | | |
| 32-16 | A | 23 | | 2 | 3 | 2 | 16 | | | | |
| 32-17 | D | 4 | | 4 | | | | | | | |
| 32-22 | A | 54 | | | | | 54 | | | | |
| 32-25 | A | 25 | | | | 25 | | | | | |
| 32-31 | A | 31 | | | | | 31 | | | | |
| 32-48 | Inst. | 48 | | | | | 48 | | | | |
| 32-52 | D | 8 | 2 | | | 6 | | | | | |
| 32-53 | E/Inst. | 42 | | | | 5 | 37 | | | | |
| 32-56 | A | 30 | | | | 6* | 24 | | | | |
| 32-57 | Coax | 8 | | | | 6 | | 2 | | | |
| 32-58 | Coax | 4 | | | | | | | 4 | | |
| 32-59 | A | 42 | | | | | 40 | | | 2 | |
| 32-60 | A | 23 | | | | | 15 | | | 8 | |
| 32-62 | Coax | 23 | | 2 | 1 | 2 | 16 | | | 2 | |
| 32-64 | Inst. | 54 | | | | | 54 | | | | |
| 32-68 | A | 16 | | | | | 12 | | 4 | | |
| 32-73 | A | 46 | | | | | 46 | | | | |
| 32-75 | Coax | 9 | | | | 2 | | | | 7 | |
| 32-76 | A | 19 | | | | 19 | | | | | |
| 32-79 | D | 5 | | 4 | 1 | | | | | | |
| 32-82 | A | 16 | | 4 | | | 12 | | | | |
| 32-AF | A | 55 | | | | | 55 | | | | |
| 32-AM | A | 1 | 1 size 4/0 | | | | | | | | |
| 36-1 | D | 22 | | | | 4 | 18 | | | | |
| 36-3 | D | 6 | 3 | | | 3 | | | | | |
| 36-4 | D/A | 3 | 3 | | | | | | | | |
| 36-5 | A | 4 | 4 | | | | | | | | |
| 36-6 | A | 6 | 2 | 4 | | | | | | | |
| 36-7 | A | 47 | | | | 7 | 40 | | | | |
| 36-8 | A | 47 | | | | 1 | 46 | | | | |
| 36-9 | A | 31 | | 1 | 2 | 14 | 14 | | | | |
| 36-10 | A | 48 | | | | | 48 | | | | |

*Crimp contacts accommodate wire the same size as the contact as well as wire of the next smaller, even size. Arrangements identified with an asterisk (*) are exceptions. See insert arrangement drawings on pages 6-24 for application wire size.

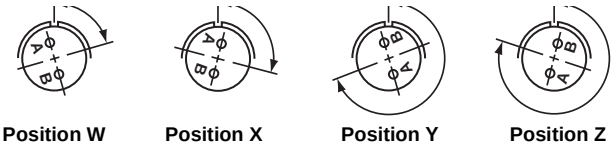
| Insert Arrangement | Service Rating | Total Contacts | Contact Size | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Coax** | | | |
| | | | 0 | 4 | 8 | 12 | 16 | 0 | 4 | 8 | 12 |
| 36-11 | A | 48 | | | | | 48 | | | | |
| 36-12 | A | 48 | | | | | 48 | | | | |
| 36-13 | E/A | 17 | | | | 2 | 15 | | | | |
| 36-14 | D | 16 | | | 5 | 5 | 6 | | | | |
| 36-15 | D/A | 35 | | | | | 35 | | | | |
| 36-16 | A | 47 | | | | 7 | 40 | | | | |
| 36-17 | A | 47 | | | | 7 | 40 | | | | |
| 36-18 | A | 31 | | 1 | 2 | 14 | 14 | | | | |
| 36-20 | A | 34 | | | 2 | 2 | 30 | | | | |
| 36-22 | D | 22 | | | | 22 | | | | | |
| 36-51 | D | 4 | 2 | 2 | | | | | | | |
| 36-52 | A | 52 | | | | | 52 | | | | |
| 36-54 | A | 39 | | | 8 | | 31 | | | | |
| 36-55 | A | 39 | | | 8* | | 31 | | | | |
| 36-59 | A | 53 | | | | 3* | 50 | | | | |
| 36-60 | A | 47 | | | | 7* | 40 | | | | |
| 36-64 | Coax | 4 | | | | | | 4 | | | |
| 36-65 | Coax | 4 | | | | | | 4 | | | |
| 36-71 | A | 53 | | | | 3 | 50 | | | | |
| 36-73 | Coax | 7 | | | | | | | 7 | | |
| 36-74 | A | 44 | | | | | 43 | | | 1 | |
| 36-75 | A | 48 | | | | | 48* | | | | |
| 36-76 | A | 47 | | | | | 47 | | | | |
| 36-77 | D | 7 | | 7 | | | | | | | |
| 36-78 | A | 14 | | | 12 | | 2 | | | | |
| 36-79 | A | 20 | | | | 20 | | | | | |
| 36-80 | A | 20 | | | | 20* | | | | | |
| 36-83 | Coax | 7 | | | | | | | 7 | | |
| 36-85 | A/D | 35 | | | | | 35* | | | | |
| 36-97 | C | 1 | 1 size 4/0 | | | | | | | | |
| 36-99 | D | 12 | | 3 | 3 | 3 | 3 | | | | |
| 36-AF | A | 48 | | | | | 48 | | | | |

**Coaxial cable data can be found on insert arrangement drawings, pages 6-24. For further information on coaxial contacts and cable see catalog 12-130.

# ACA-B
# insert alternate positioning

To avoid cross-plugging problems in applications requiring the use of more than one connector of the same size and arrangement, alternate rotations are available as indicated in the accompanying charts.

As shown in the diagram below, the front face of the pin insert is rotated within the shell in a clockwise direction from the normal shell key. The socket insert would be rotated counter-clockwise the same number of degrees in respect to the normal shell key.




**View looking into front face of pin insert or rear of socket insert.**

The following insert arrangements have the same alternate insert rotations for W, X, Y and Z, which are:

| Degrees | | | |
|---|---|---|---|
| W | X | Y | Z |
| 80 | 110 | 250 | 280 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 16-7 | 20-16 | 22-18 | 24-4 | 24-28 | 28-16 | 32-10 |
| 18-5 | 20-20 | 22-19 | 24-5 | 24-AJ | 28-17 | 32-12 |
| 18-9 | 20-22 | 22-21 | 24-6 | 28-1 | 28-19 | 32-13 |
| 18-13 | 22-3 | 22-24 | 24-7 | 28-4 | 28-20 | 32-22 |
| 18-14 | 22-6 | 22-25 | 24-12 | 28-8 | 28-21 | 32-AF |
| 20-7 | 22-12 | 22-29 | 24-14 | 28-9 | 32-1 | 36-1 |
| 20-8 | 22-14 | 22-33 | 24-16 | 28-10 | 32-3 | 36-7 |
| 20-9 | 22-15 | 22-34 | 24-17 | 28-11 | 32-4 | 36-8 |
| 20-12 | 22-16 | 24-1 | 24-20 | 28-14 | 32-6 | 36-13 |
| 20-14 | 22-17 | 24-3 | 24-21 | 28-15 | 32-9 | |

| Insert Arrangement | Degrees | | | |
|---|---|---|---|---|
| | W | X | Y | Z |
| 10SL-4 | 63 | – | – | – |
| 14S-2 | – | 120 | 240 | – |
| 14S-5 | – | 110 | – | – |
| 14S-7 | 90 | 180 | 270 | – |
| 14S-9 | 70 | 145 | 215 | 290 |
| 16-9 | 35 | 110 | 250 | 325 |
| 16-10 | 90 | 180 | 270 | – |
| 16-11 | 35 | 110 | 250 | 325 |
| 16-13 | 35 | 110 | 250 | 325 |
| 16S-1 | 80 | – | – | 280 |
| 16S-4 | 35 | 110 | 250 | 325 |
| 16S-5 | 70 | 145 | 215 | 290 |
| 16S-6 | 90 | 180 | 270 | – |
| 16S-8 | – | 170 | 265 | – |
| 18-1 | 70 | 145 | 215 | 290 |
| 18-3 | 35 | 110 | 250 | 325 |
| 18-4 | 35 | 110 | 250 | 325 |
| 18-8 | 70 | – | – | 290 |
| 18-10 | – | 120 | 240 | – |
| 18-11 | – | 170 | 265 | – |
| 18-12 | 80 | – | – | 280 |
| 18-15 | – | 120 | 240 | – |
| 18-20 | 90 | 180 | 270 | – |
| 18-22 | 70 | 145 | 215 | 290 |
| 18-29 | 90 | 180 | 270 | – |
| 20-3 | 70 | 145 | 215 | 290 |
| 20-4 | 45 | 110 | 250 | – |
| 20-5 | 35 | 110 | 250 | 325 |
| 20-6 | 70 | 145 | 215 | 290 |
| 20-15 | 80 | – | – | 280 |
| 20-17 | 90 | 180 | 270 | – |
| 20-18 | 35 | 110 | 250 | 325 |
| 20-19 | 90 | 180 | 270 | – |

| Insert Arrangement | Degrees | | | |
|---|---|---|---|---|
| | W | X | Y | Z |
| 20-21 | 35 | 110 | 250 | 325 |
| 20-23 | 35 | 110 | 250 | 325 |
| 20-24 | 35 | 110 | 250 | 325 |
| 20-27 | 35 | 110 | 250 | 325 |
| 20-29 | 80 | – | – | 280 |
| 20-33 | – | – | – | 280 |
| 22-1 | 35 | 110 | 250 | 325 |
| 22-2 | 70 | 145 | 215 | 290 |
| 22-4 | 35 | 110 | 250 | 325 |
| 22-5 | 35 | 110 | 250 | 325 |
| 22-8 | 35 | 110 | 250 | 325 |
| 22-9 | 70 | 145 | 215 | 290 |
| 22-10 | 35 | 110 | 250 | 325 |
| 22-11 | 35 | 110 | 250 | 325 |
| 22-13 | 35 | 110 | 250 | 325 |
| 22-20 | 35 | 110 | 250 | 325 |
| 22-22 | – | 110 | 250 | – |
| 22-23 | 35 | – | 250 | – |
| 22-27 | 80 | – | 250 | 280 |
| 22-28 | 80 | – | – | 280 |
| 24-2 | 80 | – | – | 280 |
| 24-9 | 35 | 110 | 250 | 325 |
| 24-10 | 80 | – | – | 280 |
| 24-11 | 35 | 110 | 250 | 325 |
| 24-22 | 45 | 110 | 250 | – |
| 24-27 | 80 | – | – | 280 |
| 24-96 | 65 | – | – | – |
| 28-2 | 35 | 110 | 250 | 325 |
| 28-3 | 70 | 145 | 215 | 290 |
| 28-5 | 35 | 110 | 250 | 325 |
| 28-6 | 70 | 145 | 215 | 290 |
| 28-7 | 35 | 110 | 250 | 325 |

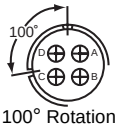
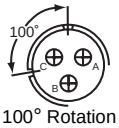
| Insert Arrangement | Degrees | | | |
|---|---|---|---|---|
| | W | X | Y | Z |
| 28-12 | 90 | 180 | 270 | – |
| 28-18 | 70 | 145 | 215 | 290 |
| 28-22 | 70 | 145 | 215 | 290 |
| 28-AY | 45 | 110 | 250 | – |
| 32-2 | 70 | 145 | 215 | 290 |
| 32-5 | 35 | 110 | 250 | 325 |
| 32-7 | 80 | 125 | 235 | 280 |
| 32-8 | 80 | 125 | 235 | 280 |
| 32-15 | 35 | 110 | 250 | 280 |
| 32-17 | 45 | 110 | 250 | – |
| 32-25 | 60 | 120 | – | – |
| 32-64* | 80 | 100 | 110 | 250 |
| 32-68 | 30 | – | – | – |
| 32-82 | 30 | – | – | – |
| 36-3 | 70 | 145 | 215 | 290 |
| 36-4 | 70 | 145 | 215 | 290 |
| 36-5 | – | 120 | 240 | – |
| 36-6 | 35 | 110 | 250 | 325 |
| 36-9 | 80 | 125 | 235 | 280 |
| 36-10 | 80 | 125 | 235 | 280 |
| 36-14 | 90 | 180 | 270 | – |
| 36-15 | 60 | 125 | 245 | 305 |
| 36-AF | 65 | – | – | – |

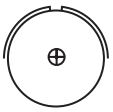
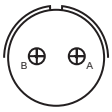
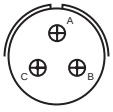
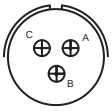
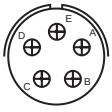
*Additional rotations available; consult Amphenol for information.

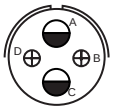
# ACA-B
## contact arrangements

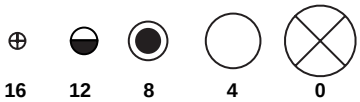
**front face of pin insert or rear face of socket insert illustrated**

| | | | | | |
|---|---|---|---|---|---|
| | Front of Socket Insert | Front of Socket Insert | | | |
| **Insert Arrangement** | **10SL-3** | **10SL-4** | **14S-2** | **14S-4** | **14S-5** |
| **Service Rating** | **A** | **A** | **Inst.** | **D** | **Inst.** |
| **Number of Contacts** | **3** | **2** | **4** | **1** | **5** |
| **Contact Size** | **16** | **16** | **16** | **16** | **16** |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | |  100° Rotation of 14S-2 |  100° Rotation of 14S-7 | |
| **Insert Arrangement** | **14S-6** | **14S-7** | **14S-9** | **14S-10** | **14S-12** | **14S-A7** |
| **Service Rating** | **Inst.** | **A** | **A** | **Inst.** | **A** | **A** |
| **Number of Contacts** | **6** | **3** | **2** | **4** | **3** | **7** |
| **Contact Size** | **16** | **16** | **16** | **16** | **16** | **16** |

| | | | | | | |
|---|---|---|---|---|---|---|
| | |  |  |  |  |  |
| **Insert Arrangement** | **16S-1** | **16S-3** | **16S-4** | **16S-5** | **16S-6** | **16S-8** |
| **Service Rating** | **A** | **B** | **D** | **A** | **A** | **A** |
| **Number of Contacts** | **7** | **1** | **2** | **3** | **3** | **5** |
| **Contact Size** | **16** | **16** | **16** | **16** | **16** | **16** |

| | | | |
|---|---|---|---|
| | | |  |
| **Insert Arrangement** | **16-2** | **16-7** | **16-9** |
| **Service Rating** | **E** | **A** | **A** |
| **Number of Contacts** | **1** | **1 2** | **2 2** |
| **Contact Size** | **12** | **8 16** | **12 16** |

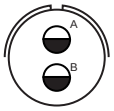


**CONTACT LEGEND** **16** **12** **8** **4** **0**

# ACA-B
## contact arrangements

**front face of pin insert or rear face of socket insert illustrated**

| Insert Arrangement | 16-10 |
|---|---|
| Service Rating | A |
| Number of Contacts | 3 |
| Contact Size | 12 |




| Insert Arrangement | 16-11 |
|---|---|
| Service Rating | A |
| Number of Contacts | 2 |
| Contact Size | 12 |

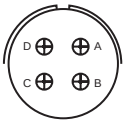
| Insert Arrangement | 16-12 |
|---|---|
| Service Rating | A |
| Number of Contacts | 1 |
| Contact Size | 4 |

| Insert Arrangement | 16-13 |
|---|---|
| Service Rating | A |
| Number of Contacts | 2* |
| Contact Size | 12 |

| Insert Arrangement | 16-59 |
|---|---|
| Service Rating | A |
| Number of Contacts | 4 |
| Contact Size | 12 |

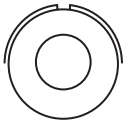
| Insert Arrangement | 18-1 |
|---|---|
| Service Rating | B, C, F, G = A; Bal. = Inst. |
| Number of Contacts | 10 |
| Contact Size | 16 |

| Insert Arrangement | 18-3 |
|---|---|
| Service Rating | D |
| Number of Contacts | 2 |
| Contact Size | 12 |




| Insert Arrangement | 18-4 |
|---|---|
| Service Rating | D |
| Number of Contacts | 4 |
| Contact Size | 16 |

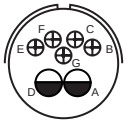
| Insert Arrangement | 18-5 | |
|---|---|---|
| Service Rating | D | |
| Number of Contacts | 2 | 1 |
| Contact Size | 12 | 16 |



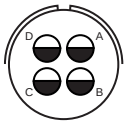
| Insert Arrangement | 18-6 |
|---|---|
| Service Rating | D |
| Number of Contacts | 1 |
| Contact Size | 4 |

| Insert Arrangement | 18-7 |
|---|---|
| Service Rating | B |
| Number of Contacts | 1 |
| Contact Size | 8 |

| Insert Arrangement | 18-8 | |
|---|---|---|
| Service Rating | A | |
| Number of Contacts | 1 | 7 |
| Contact Size | 12 | 16 |

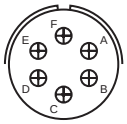



| Insert Arrangement | 18-9 | |
|---|---|---|
| Service Rating | Inst. | |
| Number of Contacts | 2 | 5 |
| Contact Size | 12 | 16 |

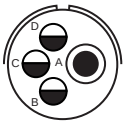



| Insert Arrangement | 18-10 |
|---|---|
| Service Rating | A |
| Number of Contacts | 4 |
| Contact Size | 12 |

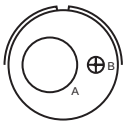
| Insert Arrangement | 18-11 |
|---|---|
| Service Rating | A |
| Number of Contacts | 5 |
| Contact Size | 12 |



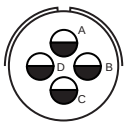

| Insert Arrangement | 18-12 |
|---|---|
| Service Rating | A |
| Number of Contacts | 6 |
| Contact Size | 16 |



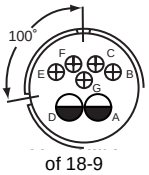

| Insert Arrangement | 18-13 | |
|---|---|---|
| Service Rating | A | |
| Number of Contacts | 1 | 3 |
| Contact Size | 8 | 12 |




| Insert Arrangement | 18-14 | |
|---|---|---|
| Service Rating | A | |
| Number of Contacts | 1 | 1 |
| Contact Size | 4 | 16 |



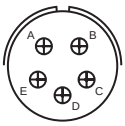

| Insert Arrangement | 18-15 |
|---|---|
| Service Rating | A |
| Number of Contacts | 4** |
| Contact Size | 12 |




of 18-9

| Insert Arrangement | 18-17 | |
|---|---|---|
| Service Rating | Inst. | |
| Number of Contacts | 2 | 5 |
| Contact Size | 12 | 16 |

| Insert Arrangement | 18-19 |
|---|---|
| Service Rating | A |
| Number of Contacts | 10 |
| Contact Size | 16 |



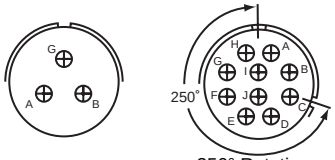

| Insert Arrangement | 18-20 |
|---|---|
| Service Rating | A |
| Number of Contacts | 5 |
| Contact Size | 16 |

**CONTACT LEGEND**

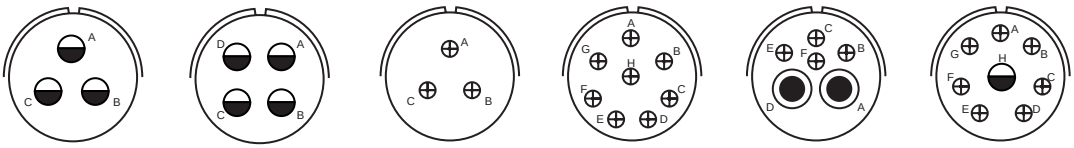
* A = Iron; B = Constantan
**A, C = Iron; B, D = Constantan

# ACA-B
## contact arrangements

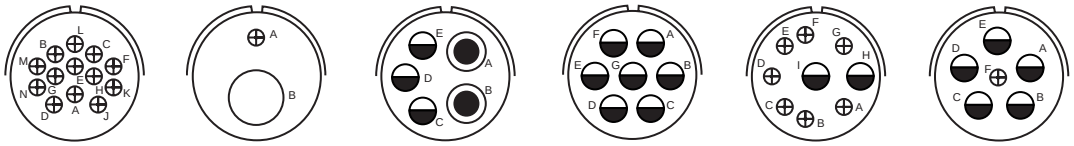
**front face of pin insert or rear face of socket insert illustrated**




| | | | | | | |
|---|---|---|---|---|---|---|
| **Insert Arrangement** | **18-22** | **18-24** | **18-29** | **18-30** | **18-31** | **20-2** |
| **Service Rating** | **D** | **B, C, F, G = A; Bal. = Inst.** | **A** | **A** | **A** | **D** |
| **Number of Contacts** | **3** | **10** | **5** | **5** | **5** | **1** |
| **Contact Size** | **16** | **16** | **16** | **16** | **16** | **0** |



| | | | | | | |
|---|---|---|---|---|---|---|
| **Insert Arrangement** | **20-3** | **20-4** | **20-6** | **20-7** | **20-8** | **20-9** |
| **Service Rating** | **D** | **D** | **D** | **A, B, H, G = D; C, D, E, F = A** | **Inst.** | **H = D; Bal. = A** |
| **Number of Contacts** | **3** | **4** | **3** | **8** | **2 4** | **1 7** |
| **Contact Size** | **12** | **12** | **16** | **16** | **8 16** | **12 16** |

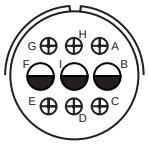


| | | | | | | |
|---|---|---|---|---|---|---|
| **Insert Arrangement** | **20-11** | **20-12** | **20-14** | **20-15** | **20-16** | **20-17** |
| **Service Rating** | **Inst.** | **A** | **A** | **A** | **A** | **A** |
| **Number of Contacts** | **13** | **1 1** | **2 3** | **7** | **2 7** | **5 1** |
| **Contact Size** | **16** | **4 16** | **8 12** | **12** | **12 16** | **12 16** |

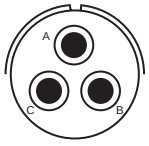
| | | | | | |
|---|---|---|---|---|---|
| **CONTACT LEGEND** | **16** | **12** | **8** | **4** | **0** |

# ACA-B
## contact arrangements

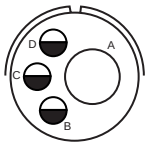
**front face of pin insert or rear face of socket insert illustrated**



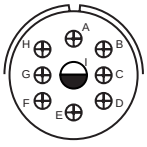
| | |
|---|---|
| **Insert Arrangement** | **20-18** |
| **Service Rating** | **A** |
| **Number of Contacts** | **3 6** |
| **Contact Size** | **12 16** |



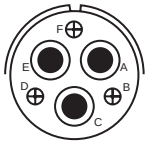
| | |
|---|---|
| **Insert Arrangement** | **20-19** |
| **Service Rating** | **A** |
| **Number of Contacts** | **3** |
| **Contact Size** | **8** |



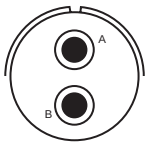
| | |
|---|---|
| **Insert Arrangement** | **20-20** |
| **Service Rating** | **A** |
| **Number of Contacts** | **1 3** |
| **Contact Size** | **4 12** |



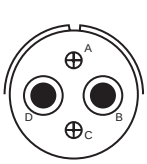
| | |
|---|---|
| **Insert Arrangement** | **20-21** |
| **Service Rating** | **A** |
| **Number of Contacts** | **1 8** |
| **Contact Size** | **12 16** |



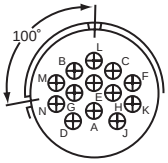
| | |
|---|---|
| **Insert Arrangement** | **20-22** |
| **Service Rating** | **A** |
| **Number of Contacts** | **3 3** |
| **Contact Size** | **8 16** |



| | |
|---|---|
| **Insert Arrangement** | **20-23** |
| **Service Rating** | **A** |
| **Number of Contacts** | **2** |
| **Contact Size** | **8** |



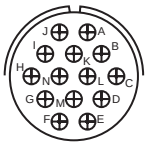
| | |
|---|---|
| **Insert Arrangement** | **20-24** |
| **Service Rating** | **A** |
| **Number of Contacts** | **2 2** |
| **Contact Size** | **8 16** |




100° Rotation of 20-11

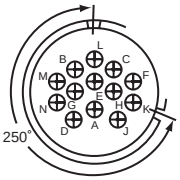
| | |
|---|---|
| **Insert Arrangement** | **20-25** |
| **Service Rating** | **Inst.** |
| **Number of Contacts** | **13** |
| **Contact Size** | **16** |

| | |
|---|---|
| **Insert Arrangement** | **20-26** |
| **Service Rating** | **A** |
| **Number of Contacts** | **19** |
| **Contact Size** | **16** |



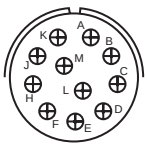
| | |
|---|---|
| **Insert Arrangement** | **20-27** |
| **Service Rating** | **A** |
| **Number of Contacts** | **14** |
| **Contact Size** | **16** |

| | |
|---|---|
| **Insert Arrangement** | **20-29** |
| **Service Rating** | **A** |
| **Number of Contacts** | **17** |
| **Contact Size** | **16** |




250° Rotation of 20-11

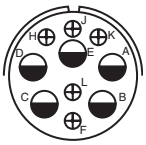
| | |
|---|---|
| **Insert Arrangement** | **20-30** |
| **Service Rating** | **Inst.** |
| **Number of Contacts** | **13** |
| **Contact Size** | **16** |



| | |
|---|---|
| **Insert Arrangement** | **20-33** |
| **Service Rating** | **A** |
| **Number of Contacts** | **11** |
| **Contact Size** | **16** |

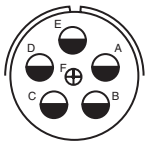
| | |
|---|---|
| **Insert Arrangement** | **20-51** |
| **Service Rating** | **A** |
| **Number of Contacts** | **3*** |
| **Contact Size** | **8** |

| | |
|---|---|
| **Insert Arrangement** | **20-57** |
| **Service Rating** | **A** |
| **Number of Contacts** | **7*** |
| **Contact Size** | **12 for #14 or 16 wire** |



| | |
|---|---|
| **Insert Arrangement** | **20-58** |
| **Service Rating** | **A** |
| **Number of Contacts** | **5 5** |
| **Contact Size** | **12 16** |

| | |
|---|---|
| **Insert Arrangement** | **20-59** |
| **Service Rating** | **A** |
| **Number of Contacts** | **3*** |
| **Contact Size** | **8 for #10 or 12 wire** |



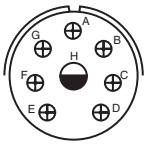
| | |
|---|---|
| **Insert Arrangement** | **20-66** |
| **Service Rating** | **A** |
| **Number of Contacts** | **1 5** |
| **Contact Size** | **16 12 for #10 wire** |

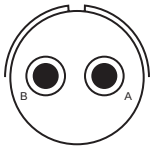
* Solderless

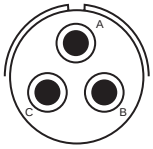
**CONTACT LEGEND** **16 12 8 4 0**

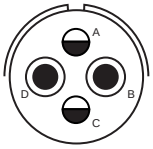
# ACA-B
## contact arrangements

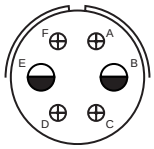
**front face of pin insert or rear face of socket insert illustrated**



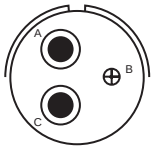



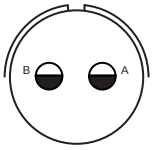



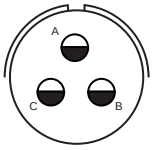



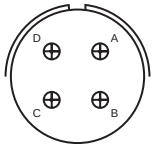




| | | | | | |
|---|---|---|---|---|---|
| **Insert Arrangement** | **20-79** | **22-1** | **22-2** | **22-4** | **22-5** |
| **Service Rating** | **H=D; Bal. = A** | **D** | **D** | **A** | **D** |
| **Number of Contacts** | **7* 1*** | **2** | **3** | **2 2** | **2 4** |
| **Contact Size** | **16 12 for #16 wire** | **8** | **8** | **8 12** | **12 16** |

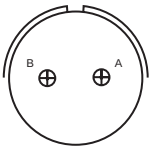


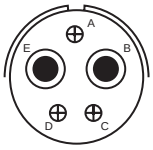


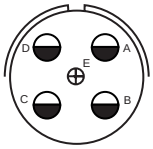



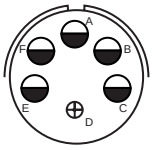




| | | | | | |
|---|---|---|---|---|---|
| **Insert Arrangement** | **22-6** | **22-7** | **22-8** | **22-9** | **22-10** |
| **Service Rating** | **D** | **E** | **E** | **E** | **E** |
| **Number of Contacts** | **2 1** | **1** | **2** | **3** | **4** |
| **Contact Size** | **8 16** | **0** | **12** | **12** | **16** |





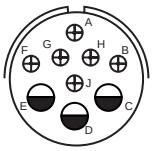

| | | | | | |
|---|---|---|---|---|---|
| **Insert Arrangement** | **22-11** | **22-12** | **22-13** | **22-14** | **22-15** |
| **Service Rating** | **B** | **D** | **E = D; A, B, C, D = A** | **A** | **D = E; A, B, C, E, F = A** |
| **Number of Contacts** | **2** | **2 3** | **4 1** | **19** | **5 1** |
| **Contact Size** | **16** | **8 16** | **12 16** | **16** | **12 16** |

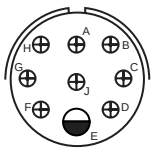
**CONTACT LEGEND** **16 12 8 4 0**

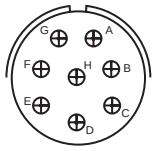
* Solderless

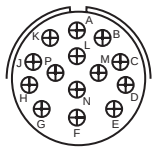
# ACA-B
## contact arrangements

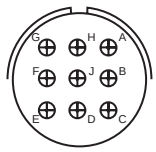
**front face of pin insert or rear face of socket insert illustrated**



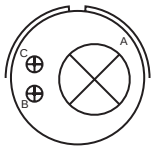



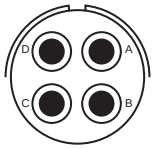



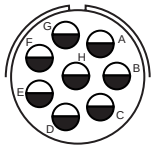



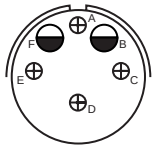



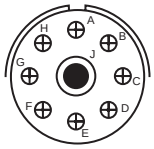

| Insert Arrangement | 22-16 | 22-17 | 22-18 | 22-19 | 22-20 |
|---|---|---|---|---|---|
| Service Rating | A | A = D; Bal. = A | A, B, F, G, H = D; C, D, E = A | A | A |
| Number of Contacts | 3 6 | 1 8 | 8 | 14 | 9 |
| Contact Size | 12 16 | 12 16 | 16 | 16 | 16 |



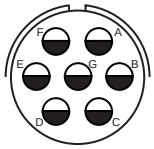



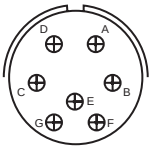



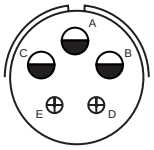



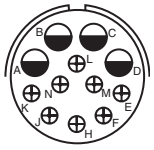



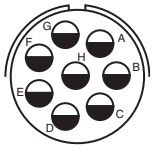

| Insert Arrangement | 22-21 | 22-22 | 22-23 | 22-24 | 22-27 |
|---|---|---|---|---|---|
| Service Rating | A | A | H = D; Bal. = A | C, D, E = D; A, B, F = A | J = D; Bal. = A |
| Number of Contacts | 1 2 | 4 | 8 | 2 4 | 1 8 |
| Contact Size | 0 16 | 8 | 12 | 12 16 | 8 16 |



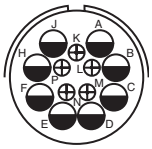

| Insert Arrangement | 22-28 | 22-33 | 22-34 | 22-63 | 22-65 |
|---|---|---|---|---|---|
| Service Rating | A | A, B, C, D = D; E. F. G = A | D | A | H = D; Bal. = A |
| Number of Contacts | 7 | 7 | 3 2 | 4 8 | 8* |
| Contact Size | 12 | 16 | 12 16 | 12 16 | 12 for #14 or 16 wire |

**CONTACT LEGEND** 16 12 8 4 0

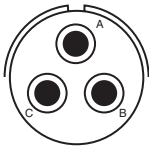
* Solderless

# ACA-B
## contact arrangements

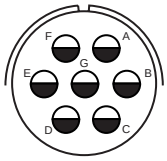
**front face of pin insert or rear face of socket insert illustrated**



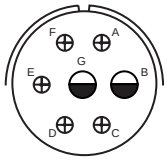

| | |
|---|---|
| **Insert Arrangement** | **22-70** |
| **Service Rating** | **A** |
| **Number of Contacts** | **8 5** |
| **Contact Size** | **12 16** |



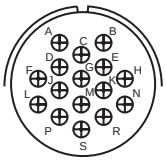

| | |
|---|---|
| **Insert Arrangement** | **22-80** |
| **Service Rating** | **A** |
| **Number of Contacts** | **3*** |
| **Contact Size** | **8 for #10 or 12 wire** |



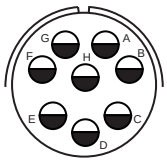

| | |
|---|---|
| **Insert Arrangement** | **24-2** |
| **Service Rating** | **D** |
| **Number of Contacts** | **7** |
| **Contact Size** | **12** |



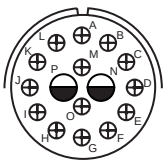

| | |
|---|---|
| **Insert Arrangement** | **24-3** |
| **Service Rating** | **D** |
| **Number of Contacts** | **2 5** |
| **Contact Size** | **12 16** |



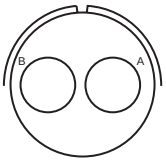

| | |
|---|---|
| **Insert Arrangement** | **24-5** |
| **Service Rating** | **A** |
| **Number of Contacts** | **16** |
| **Contact Size** | **16** |



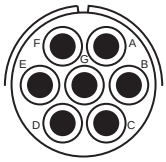

| | |
|---|---|
| **Insert Arrangement** | **24-6** |
| **Service Rating** | **A, G, H = D; Bal. = A** |
| **Number of Contacts** | **8** |
| **Contact Size** | **12** |



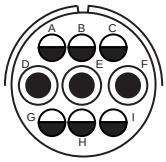

| | |
|---|---|
| **Insert Arrangement** | **24-7** |
| **Service Rating** | **A** |
| **Number of Contacts** | **2 14** |
| **Contact Size** | **12 16** |



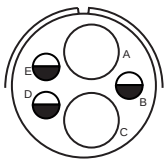

| | |
|---|---|
| **Insert Arrangement** | **24-9** |
| **Service Rating** | **A** |
| **Number of Contacts** | **2** |
| **Contact Size** | **4** |



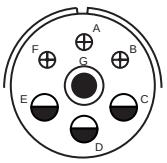

| | |
|---|---|
| **Insert Arrangement** | **24-10** |
| **Service Rating** | **A** |
| **Number of Contacts** | **7** |
| **Contact Size** | **8** |



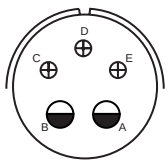

| | |
|---|---|
| **Insert Arrangement** | **24-11** |
| **Service Rating** | **A** |
| **Number of Contacts** | **3 6** |
| **Contact Size** | **8 12** |



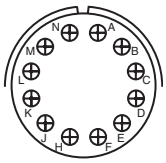

| | |
|---|---|
| **Insert Arrangement** | **24-12** |
| **Service Rating** | **A** |
| **Number of Contacts** | **2 3** |
| **Contact Size** | **4 12** |



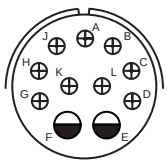

| | |
|---|---|
| **Insert Arrangement** | **24-16** |
| **Service Rating** | **A, B, F, G = D; C, D, E = A** |
| **Number of Contacts** | **1 3 3** |
| **Contact Size** | **8 12 16** |




| | |
|---|---|
| **Insert Arrangement** | **24-17** |
| **Service Rating** | **D** |
| **Number of Contacts** | **2 3** |
| **Contact Size** | **12 16** |




| | |
|---|---|
| **Insert Arrangement** | **24-19** |
| **Service Rating** | **A** |
| **Number of Contacts** | **12** |
| **Contact Size** | **16** |



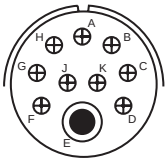
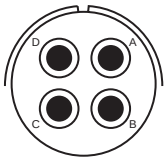
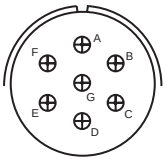
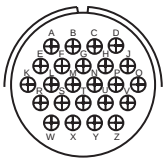
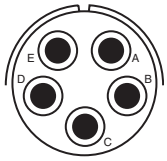

| | |
|---|---|
| **Insert Arrangement** | **24-20** |
| **Service Rating** | **D** |
| **Number of Contacts** | **2 9** |
| **Contact Size** | **12 16** |

**CONTACT LEGEND** **16 12 8 4 0**

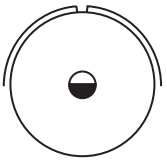
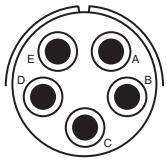
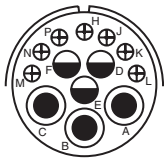
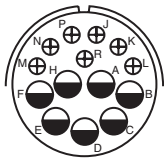
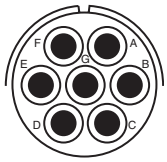
* Solderless

# ACA-B
## contact arrangements

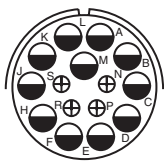
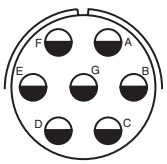
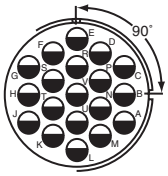
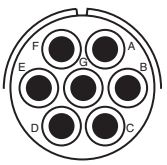
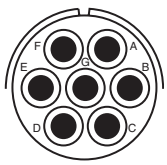
**front face of pin insert or rear face of socket insert illustrated**

| | | | | | |
|---|---|---|---|---|---|
| **Insert Arrangement** | **24-21** | **24-22** | **24-27** | **24-28** | **24-51** |
| **Service Rating** | **D** | **D** | **E** | **Inst.** | **A** |
| **Number of Contacts** | **1 9** | **4** | **7** | **24** | **5*** |
| **Contact Size** | **8 16** | **8** | **16** | **16** | **B, E for AN #10 or 12 wire<br>A, C, D for AN #8 wire** |

| | | | | | |
|---|---|---|---|---|---|
| **Insert Arrangement** | **24-52** | **24-53** | **24-58** | **24-59** | **24-60** |
| **Service Rating** | **Hi-Volt** | **A** | **A** | **A** | **A** |
| **Number of Contacts** | **1** | **5*** | **3 3 7** | **7 7** | **7*** |
| **Contact Size** | **12** | **8** | **8 12 16** | **12 16** | **8 for #10 or 12 wire** |

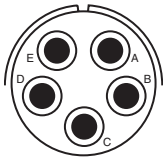
| | | | | | |
|---|---|---|---|---|---|
| **Insert Arrangement** | **24-65** | **24-66** | **24-67** | **24-71** | **24-75** |
| **Service Rating** | **A** | **D** | **Inst.** | **A** | **A** |
| **Number of Contacts** | **11 4** | **7** | **19** | **2* 5*** | **5 2** |
| **Contact Size** | **12 16** | **12** | **12** | **8 8 for #10 or 12 wire** | **8 8 for #16 wire** |

| | | | | | | |
|---|---|---|---|---|---|---|
| **CONTACT LEGEND** | **16** | **12** | **8** | **4** | **0** |

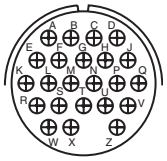
* Solderless

# ACA-B
## contact arrangements

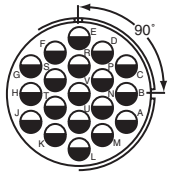
**front face of pin insert or rear face of socket insert illustrated**



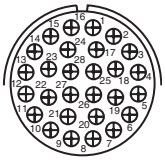

| | |
|---|---|
| **Insert Arrangement** | **24-79** |
| **Service Rating** | **A** |
| **Number of Contacts** | **5** |
| **Contact Size** | **8** |




| | |
|---|---|
| **Insert Arrangement** | **24-80** |
| **Service Rating** | **Inst.** |
| **Number of Contacts** | **23** |
| **Contact Size** | **16** |

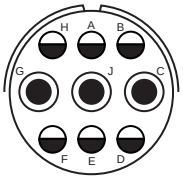



| | |
|---|---|
| **Insert Arrangement** | **24-84** |
| **Service Rating** | **A** |
| **Number of Contacts** | **1 18** |
| **Contact Size** | **12 12 (Coax) RG-188/U or RG-174/U** |

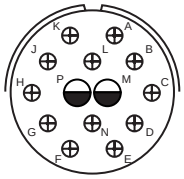



| | |
|---|---|
| **Insert Arrangement** | **24-96** |
| **Service Rating** | **Inst.** |
| **Number of Contacts** | **28** |
| **Contact Size** | **16** |

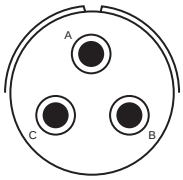
| | |
|---|---|
| **Insert Arrangement** | **24-AJ** |
| **Service Rating** | **A** |
| **Number of Contacts** | **25** |
| **Contact Size** | **16** |



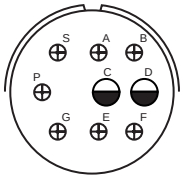

| | |
|---|---|
| **Insert Arrangement** | **28-1** |
| **Service Rating** | **A, J, E = D; Bal. = A** |
| **Number of Contacts** | **3 6** |
| **Contact Size** | **8 12** |



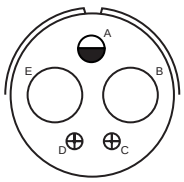

| | |
|---|---|
| **Insert Arrangement** | **28-2** |
| **Service Rating** | **D** |
| **Number of Contacts** | **2 12** |
| **Contact Size** | **12 16** |



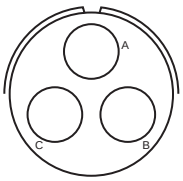

| | |
|---|---|
| **Insert Arrangement** | **28-3** |
| **Service Rating** | **E** |
| **Number of Contacts** | **3** |
| **Contact Size** | **8** |



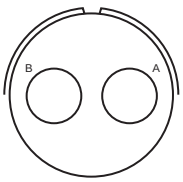

| | |
|---|---|
| **Insert Arrangement** | **28-4** |
| **Service Rating** | **G, P, S = E; Bal. = D** |
| **Number of Contacts** | **2 7** |
| **Contact Size** | **12 16** |



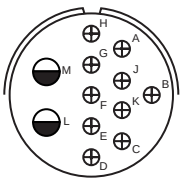

| | |
|---|---|
| **Insert Arrangement** | **28-5** |
| **Service Rating** | **D** |
| **Number of Contacts** | **2 1 2** |
| **Contact Size** | **4 12 16** |




| | |
|---|---|
| **Insert Arrangement** | **28-6** |
| **Service Rating** | **D** |
| **Number of Contacts** | **3** |
| **Contact Size** | **4** |




| | |
|---|---|
| **Insert Arrangement** | **28-7** |
| **Service Rating** | **D** |
| **Number of Contacts** | **2** |
| **Contact Size** | **4** |

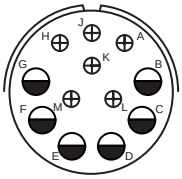



| | |
|---|---|
| **Insert Arrangement** | **28-8** |
| **Service Rating** | **L, M = E; B = D; Bal. = A** |
| **Number of Contacts** | **2 10** |
| **Contact Size** | **12 16** |

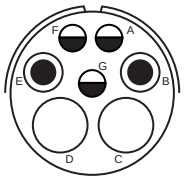
| | | | | | |
|---|---|---|---|---|---|
| **CONTACT LEGEND** | **16** | **12** | **8** | **4** | **0** |

# ACA-B
## contact arrangements

**front face of pin insert or rear face of socket insert illustrated**



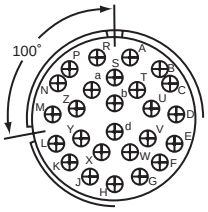
| | |
|---|---|
| **Insert Arrangement** | **28-9** |
| **Service Rating** | **D** |
| **Number of Contacts** | **6 6** |
| **Contact Size** | **12 16** |



| | |
|---|---|
| **Insert Arrangement** | **28-10** |
| **Service Rating** | **G = D; Bal. = A** |
| **Number of Contacts** | **2 2 3** |
| **Contact Size** | **4 8 12** |

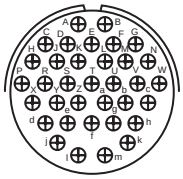
| | |
|---|---|
| **Insert Arrangement** | **28-11** |
| **Service Rating** | **A** |
| **Number of Contacts** | **4 18** |
| **Contact Size** | **12 16** |

| | |
|---|---|
| **Insert Arrangement** | **28-12** |
| **Service Rating** | **A** |
| **Number of Contacts** | **26** |
| **Contact Size** | **16** |

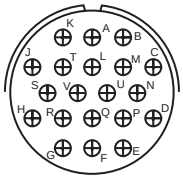



100° Rotation
of 32-6

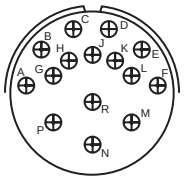
| | |
|---|---|
| **Insert Arrangement** | **28-13** |
| **Service Rating** | **A** |
| **Number of Contacts** | **26** |
| **Contact Size** | **16** |



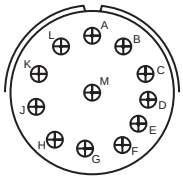
| | |
|---|---|
| **Insert Arrangement** | **28-15** |
| **Service Rating** | **A** |
| **Number of Contacts** | **35** |
| **Contact Size** | **16** |



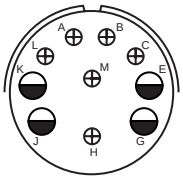
| | |
|---|---|
| **Insert Arrangement** | **28-16** |
| **Service Rating** | **A** |
| **Number of Contacts** | **20** |
| **Contact Size** | **16** |



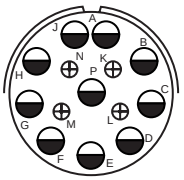
| | |
|---|---|
| **Insert Arrangement** | **28-17** |
| **Service Rating** | **R = B; M, N, P = D; A to L = A** |
| **Number of Contacts** | **15** |
| **Contact Size** | **16** |



| | |
|---|---|
| **Insert Arrangement** | **28-18** |
| **Service Rating** | **M = C; G, H, J, K,L = D; A, B = A; Bal. = Inst.** |
| **Number of Contacts** | **12** |
| **Contact Size** | **16** |



| | |
|---|---|
| **Insert Arrangement** | **28-19** |
| **Service Rating** | **H, M = B; A, B, = D; Bal. = A** |
| **Number of Contacts** | **4 6** |
| **Contact Size** | **12 16** |



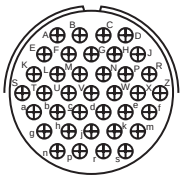
| | |
|---|---|
| **Insert Arrangement** | **28-20** |
| **Service Rating** | **A** |
| **Number of Contacts** | **10 4** |
| **Contact Size** | **12 16** |

**CONTACT LEGEND** **16 12 8 4 0**

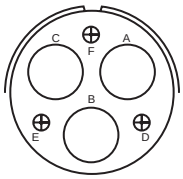
* Solderless

# ACA-B
## contact arrangements

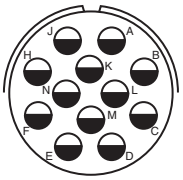
**front face of pin insert or rear face of socket insert illustrated**



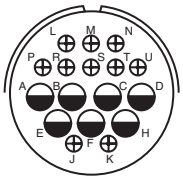
| | |
|---|---|
| **Insert Arrangement** | **28-21** |
| **Service Rating** | **A** |
| **Number of Contacts** | **37** |
| **Contact Size** | **16** |



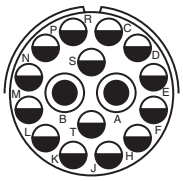
| | |
|---|---|
| **Insert Arrangement** | **28-22** |
| **Service Rating** | **D** |
| **Number of Contacts** | **3 3** |
| **Contact Size** | **4 16** |



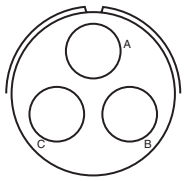
| | |
|---|---|
| **Insert Arrangement** | **28-51** |
| **Service Rating** | **A** |
| **Number of Contacts** | **12** |
| **Contact Size** | **12** |



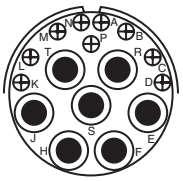
| | |
|---|---|
| **Insert Arrangement** | **28-59** |
| **Service Rating** | **A** |
| **Number of Contacts** | **7 10** |
| **Contact Size** | **12 16** |



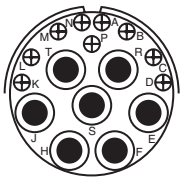
| | |
|---|---|
| **Insert Arrangement** | **28-66** |
| **Service Rating** | **A** |
| **Number of Contacts** | **2 14** |
| **Contact Size** | **8 12** |



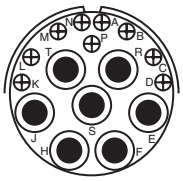
| | |
|---|---|
| **Insert Arrangement** | **28-72** |
| **Service Rating** | **–** |
| **Number of Contacts** | **3** |
| **Contact Size** | **4 (Coax) RG-59A/U or RG-62A/U** |



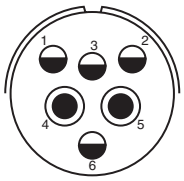
| | |
|---|---|
| **Insert Arrangement** | **28-74** |
| **Service Rating** | **A** |
| **Number of Contacts** | **9* 4* 3*** |
| **Contact Size** | **16 8 8 for #10 wire (S, T, R)** |



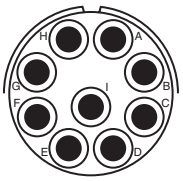
| | |
|---|---|
| **Insert Arrangement** | **28-75** |
| **Service Rating** | **A** |
| **Number of Contacts** | **9* 7*** |
| **Contact Size** | **16 8 for #10 wire** |



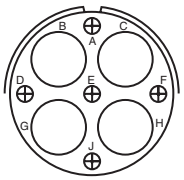
| | |
|---|---|
| **Insert Arrangement** | **28-79** |
| **Service Rating** | **A** |
| **Number of Contacts** | **7 9** |
| **Contact Size** | **8 16** |



| | |
|---|---|
| **Insert Arrangement** | **28-82** |
| **Service Rating** | **D** |
| **Number of Contacts** | **2 4** |
| **Contact Size** | **8 12** |



| | |
|---|---|
| **Insert Arrangement** | **28-84** |
| **Service Rating** | **A** |
| **Number of Contacts** | **9** |
| **Contact Size** | **8** |



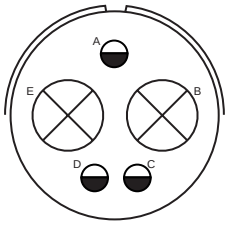
| | |
|---|---|
| **Insert Arrangement** | **28-AY** |
| **Service Rating** | **A** |
| **Number of Contacts** | **4 5** |
| **Contact Size** | **4 16** |

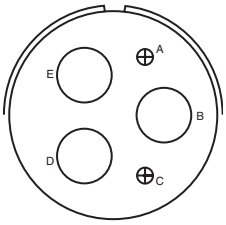
**CONTACT LEGEND** **16 12 8 4 0**

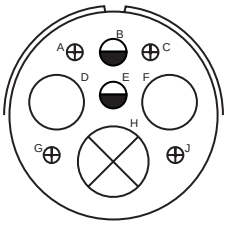
* Solderless

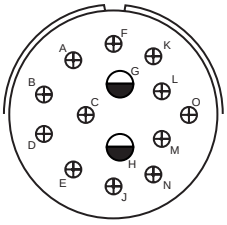
# ACA-B
## contact arrangements

**front face of pin insert or rear face of socket insert illustrated**

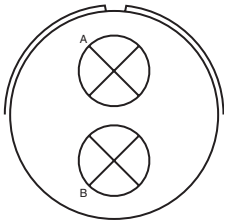


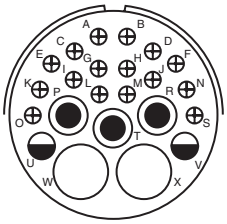



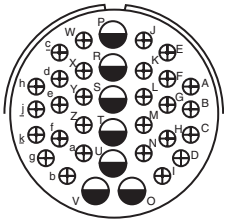



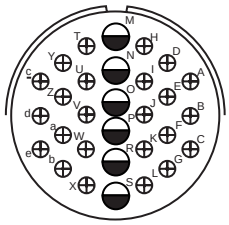

| | | | | |
|---|---|---|---|---|
| **Insert Arrangement** | **32-1** | **32-2** | **32-3** | **32-4** |
| **Service Rating** | **A = E; B, C, D, E = D** | **E** | **D** | **F, J, K, N = A:, Bal. = D** |
| **Number of Contacts** | **2 3** | **3 2** | **1 2 2 4** | **2 12** |
| **Contact Size** | **0 12** | **4 16** | **0 4 12 16** | **12 16** |

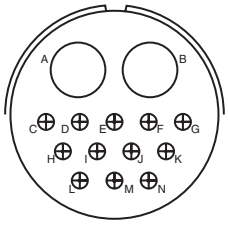


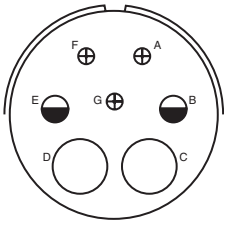




| | | | |
|---|---|---|---|
| **Insert Arrangement** | **32-5** | **32-6** | **32-7** |
| **Service Rating** | **D** | **A** | **A, B, h, j = Inst.; Bal. = A** |
| **Number of Contacts** | **2** | **2 3 2 16** | **7 28** |
| **Contact Size** | **0** | **4 8 12 16** | **12 16** |



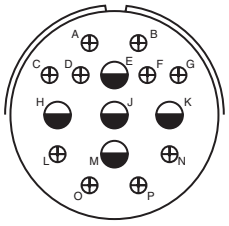




| | | | |
|---|---|---|---|
| **Insert Arrangement** | **32-8** | **32-9** | **32-10** |
| **Service Rating** | **A** | **D** | **A, F = E; G = B; B, E = D; C, D = A** |
| **Number of Contacts** | **6 24** | **2 12** | **2 2 3** |
| **Contact Size** | **12 16** | **4 16** | **4 8 16** |

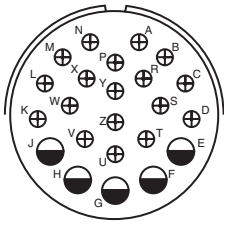
| | | | | | |
|---|---|---|---|---|---|
| **CONTACT LEGEND** | **16** | **12** | **8** | **4** | **0** |

# ACA-B
## contact arrangements

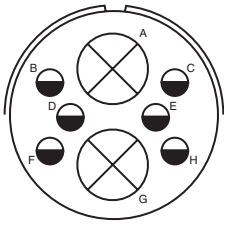
**front face of pin insert or rear face of socket insert illustrated**



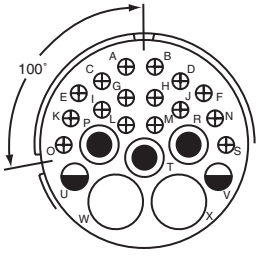
| | |
|---|---|
| **Insert Arrangement** | **32-12** |
| **Service Rating** | **C, D, E, F, G = A; Bal. = D** |
| **Number of Contacts** | **5 10** |
| **Contact Size** | **12 16** |



| | |
|---|---|
| **Insert Arrangement** | **32-13** |
| **Service Rating** | **D** |
| **Number of Contacts** | **5 18** |
| **Contact Size** | **12 16** |

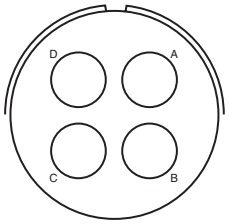


| | |
|---|---|
| **Insert Arrangement** | **32-15** |
| **Service Rating** | **D** |
| **Number of Contacts** | **2 6** |
| **Contact Size** | **0 12** |

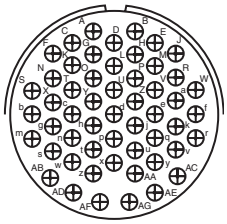



100° Rotation of 32-6

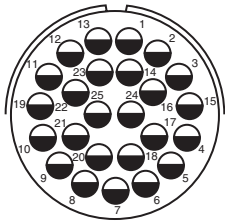
| | |
|---|---|
| **Insert Arrangement** | **32-16** |
| **Service Rating** | **A** |
| **Number of Contacts** | **2 3 2 16** |
| **Contact Size** | **4 8 12 16** |



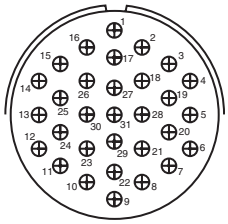
| | |
|---|---|
| **Insert Arrangement** | **32-17** |
| **Service Rating** | **D** |
| **Number of Contacts** | **4** |
| **Contact Size** | **4** |



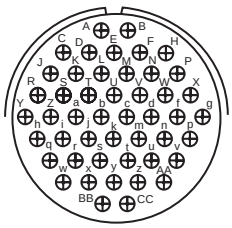
| | |
|---|---|
| **Insert Arrangement** | **32-22** |
| **Service Rating** | **A** |
| **Number of Contacts** | **54** |
| **Contact Size** | **16** |



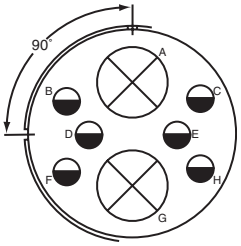
| | |
|---|---|
| **Insert Arrangement** | **32-25** |
| **Service Rating** | **A** |
| **Number of Contacts** | **25** |
| **Contact Size** | **12** |



| | |
|---|---|
| **Insert Arrangement** | **32-31** |
| **Service Rating** | **A** |
| **Number of Contacts** | **31** |
| **Contact Size** | **16** |

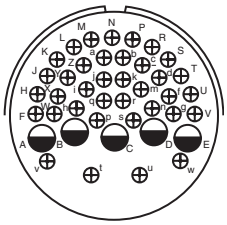


| | |
|---|---|
| **Insert Arrangement** | **32-48** |
| **Service Rating** | **Inst.** |
| **Number of Contacts** | **48** |
| **Contact Size** | **16** |

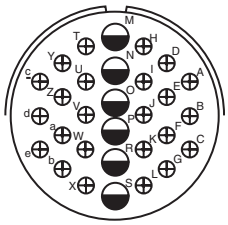



90° CW Rotation of 32-15

| | |
|---|---|
| **Insert Arrangement** | **32-52** |
| **Service Rating** | **D** |
| **Number of Contacts** | **2 6** |
| **Contact Size** | **0 12** |



| | |
|---|---|
| **Insert Arrangement** | **32-53** |
| **Service Rating** | **t, u = E; Bal. = Inst.** |
| **Number of Contacts** | **5 37** |
| **Contact Size** | **12 16** |

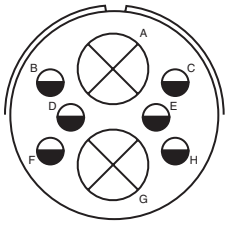


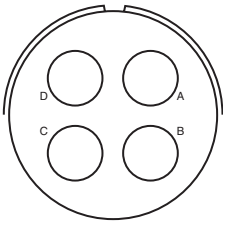
| | |
|---|---|
| **Insert Arrangement** | **32-56** |
| **Service Rating** | **A** |
| **Number of Contacts** | **24 6** |
| **Contact Size** | **16 12 for #10 wire** |

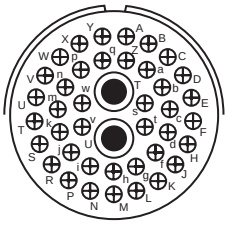
**CONTACT LEGEND** **16 12 8 4 0**

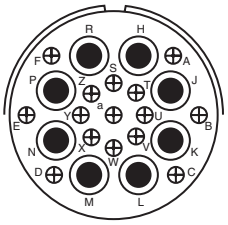
# ACA-B
## contact arrangements

**front face of pin insert or rear face of socket insert illustrated**

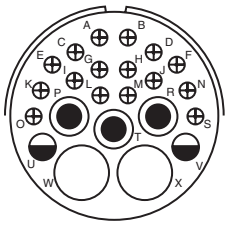


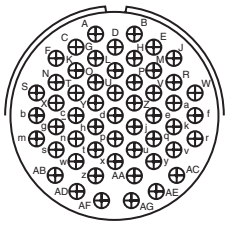



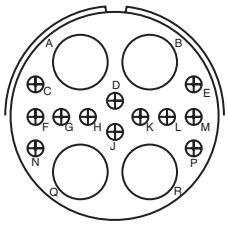





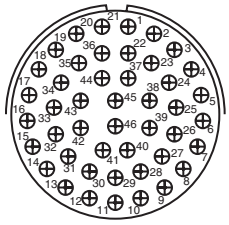
| Insert Arrangement | 32-57 | 32-58 | 32-59 | 32-60 |
|---|---|---|---|---|
| Service Rating | ** | – | A | A |
| Number of Contacts | 6 2 | 4 | 40 2 | 15 8 |
| Contact Size | 12 0 (Coax) RG-71/U | 4 (Coax) RG-161/U or RG-179/U | 16 8 (Coax) RG-161/U | 16 8 (Coax) RG-124/U |

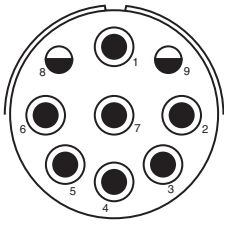


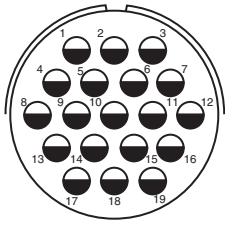


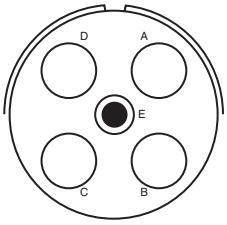



| Insert Arrangement | 32-62 | 32-64 | 32-68 |
|---|---|---|---|
| Service Rating | ** | Inst. | A |
| Number of Contacts | 2 1 2 16 2 | 54 | 12 4 |
| Contact Size | 4 8 12 16 8 (Coax) RG-124/U | 16 | 16 4 (Coax) RG-58C/U |





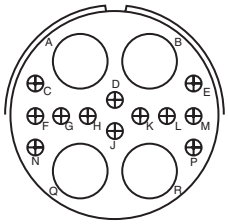

| Insert Arrangement | 32-73 | 32-75 | 32-76 | 32-79 |
|---|---|---|---|---|
| Service Rating | A | 8, 9 = D | A | D |
| Number of Contacts | 46 | 2 7 | 19 | 4 1 |
| Contact Size | 16 | 12 8 (Coax) RG-180B/U | 12 | 4 8 |

CONTACT LEGEND 16 12 8 4 0

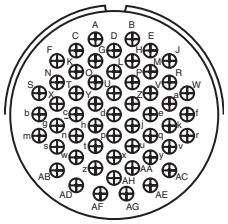
** Consult Amphenol, Sidney, NY for service rating of power contacts.

# ACA-B
## contact arrangements

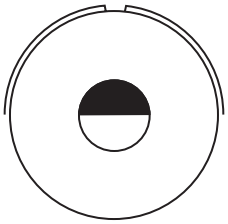
**front face of pin insert or rear face of socket insert illustrated**



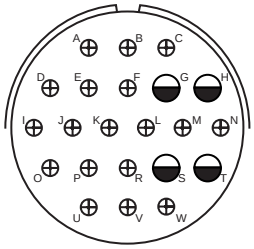
| | |
|---|---|
| **Insert Arrangement** | **32-82** |
| **Service Rating** | **A** |
| **Number of Contacts** | **4 12** |
| **Contact Size** | **4 16** |



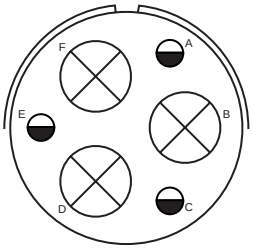
| | |
|---|---|
| **Insert Arrangement** | **32-AF** |
| **Service Rating** | **A** |
| **Number of Contacts** | **55** |
| **Contact Size** | **16** |



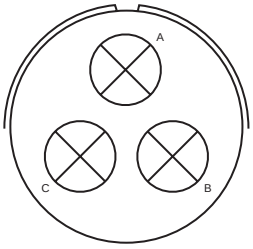
| | |
|---|---|
| **Insert Arrangement** | **32-AM** |
| **Service Rating** | **A** |
| **Number of Contacts** | **1** |
| **Contact Size** | **4/0** |



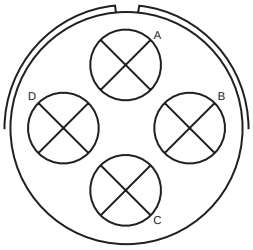
| | |
|---|---|
| **Insert Arrangement** | **36-1** |
| **Service Rating** | **D** |
| **Number of Contacts** | **4 18** |
| **Contact Size** | **12 16** |



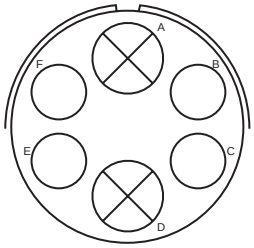
| | |
|---|---|
| **Insert Arrangement** | **36-3** |
| **Service Rating** | **D** |
| **Number of Contacts** | **3 3** |
| **Contact Size** | **0 12** |



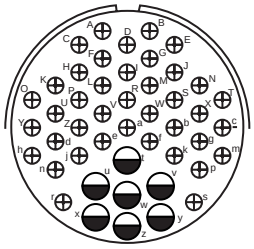
| | |
|---|---|
| **Insert Arrangement** | **36-4** |
| **Service Rating** | **A = D; B, C = A** |
| **Number of Contacts** | **3** |
| **Contact Size** | **0** |



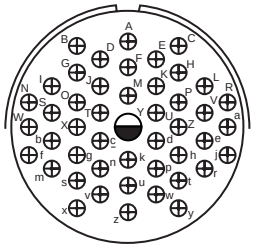
| | |
|---|---|
| **Insert Arrangement** | **36-5** |
| **Service Rating** | **A** |
| **Number of Contacts** | **4** |
| **Contact Size** | **0** |



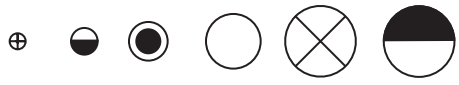
| | |
|---|---|
| **Insert Arrangement** | **36-6** |
| **Service Rating** | **A** |
| **Number of Contacts** | **2 4** |
| **Contact Size** | **0 4** |



| | |
|---|---|
| **Insert Arrangement** | **36-7** |
| **Service Rating** | **A** |
| **Number of Contacts** | **7 40** |
| **Contact Size** | **12 16** |



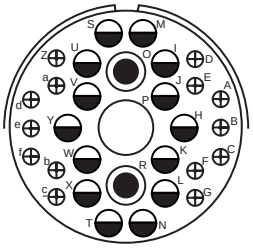
| | |
|---|---|
| **Insert Arrangement** | **36-8** |
| **Service Rating** | **A** |
| **Number of Contacts** | **1 46** |
| **Contact Size** | **12 16** |



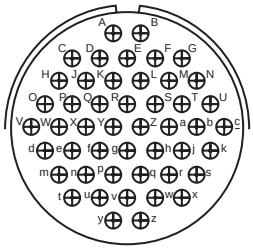

.

# ACA-B
## contact arrangements

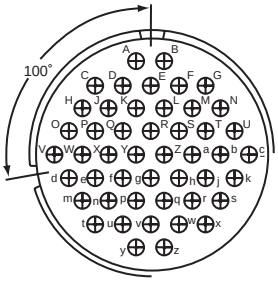
**front face of pin insert or rear face of socket insert illustrated**



| | |
|---|---|
| **Insert Arrangement** | **36-9** |
| **Service Rating** | **A** |
| **Number of Contacts** | **1 2 14 14** |
| **Contact Size** | **4 8 12 16** |

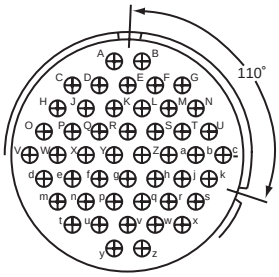


| | |
|---|---|
| **Insert Arrangement** | **36-10** |
| **Service Rating** | **A** |
| **Number of Contacts** | **48** |
| **Contact Size** | **16** |



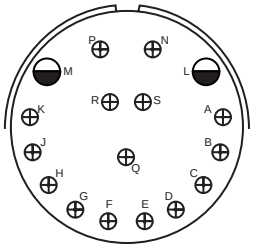

100° Rotation of 36-10

| | |
|---|---|
| **Insert Arrangement** | **36-11** |
| **Service Rating** | **A** |
| **Number of Contacts** | **48** |
| **Contact Size** | **16** |

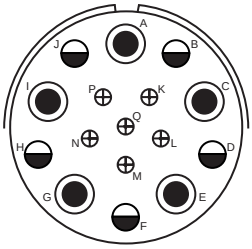



110° Rotation of 36-10

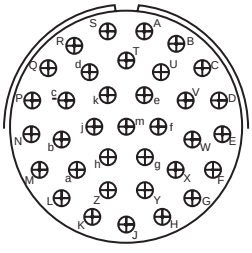
| | |
|---|---|
| **Insert Arrangement** | **36-12** |
| **Service Rating** | **A** |
| **Number of Contacts** | **48** |
| **Contact Size** | **16** |



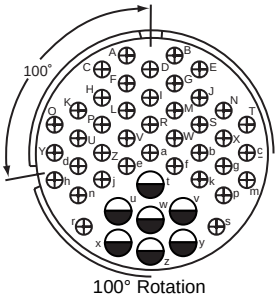
| | |
|---|---|
| **Insert Arrangement** | **36-13** |
| **Service Rating** | **N, P, Q = E; Bal. = A** |
| **Number of Contacts** | **2 15** |
| **Contact Size** | **12 16** |



| | |
|---|---|
| **Insert Arrangement** | **36-14** |
| **Service Rating** | **D** |
| **Number of Contacts** | **5 5 6** |
| **Contact Size** | **8 12 16** |

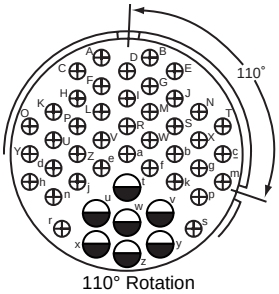


| | |
|---|---|
| **Insert Arrangement** | **36-15** |
| **Service Rating** | **M = D; Bal. = A** |
| **Number of Contacts** | **35** |
| **Contact Size** | **16** |



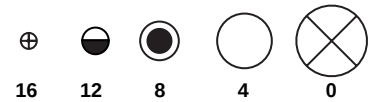

100° Rotation of 36-7

| | |
|---|---|
| **Insert Arrangement** | **36-16** |
| **Service Rating** | **A** |
| **Number of Contacts** | **7 40** |
| **Contact Size** | **12 16** |




110° Rotation of 36-7

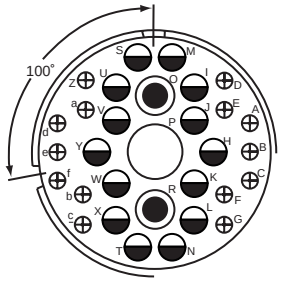
| | |
|---|---|
| **Insert Arrangement** | **36-17** |
| **Service Rating** | **A** |
| **Number of Contacts** | **7 40** |
| **Contact Size** | **12 16** |



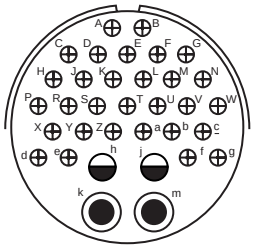
**CONTACT LEGEND** **16 12 8 4 0**

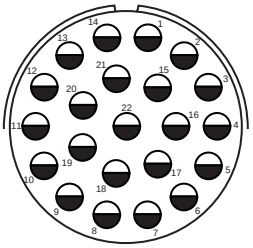
# ACA-B
## contact arrangements

**front face of pin insert or rear face of socket insert illustrated**

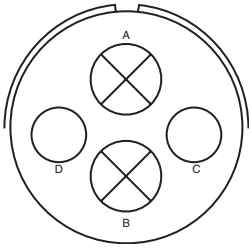


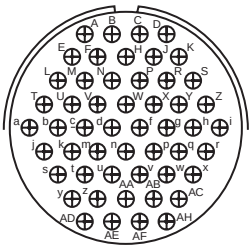

100° Rotation
of 36-9

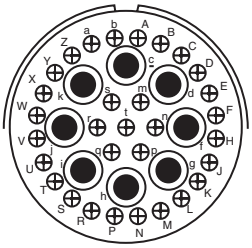




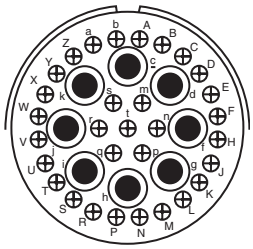
| | 36-18 | 36-20 | 36-22 |
|---|---|---|---|
| **Insert Arrangement** | | | |
| **Service Rating** | A | A | D |
| **Number of Contacts** | 1 2 14 14 | 2 2 30 | 22 |
| **Contact Size** | 4 8 12 16 | 8 12 16 | 12 |

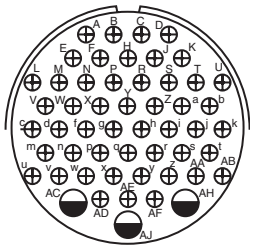


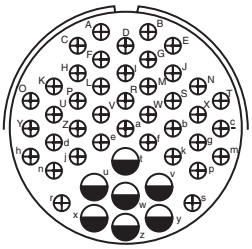




| | 36-51 | 36-52 | 36-54 |
|---|---|---|---|
| **Insert Arrangement** | | | |
| **Service Rating** | D | A | A |
| **Number of Contacts** | 2 2 | 52 | 8 31 |
| **Contact Size** | 0 4 | 16 | 8 16 |





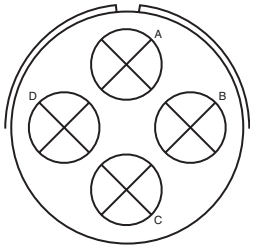


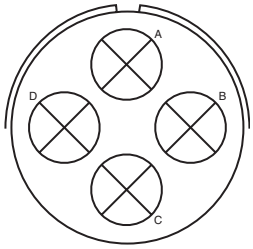
| | 36-55 | 36-59 | 36-60 |
|---|---|---|---|
| **Insert Arrangement** | | | |
| **Service Rating** | A | A | A |
| **Number of Contacts** | 31 8 | 50 3 | 40 7 |
| **Contact Size** | 16 8 for #6 wire | 16 12 for #10 wire | 16 12 for #10 wire |

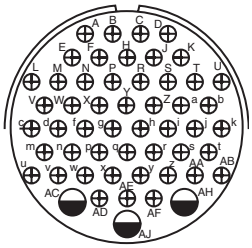
**CONTACT LEGEND** 16 12 8 4 0

# ACA-B
## contact arrangements

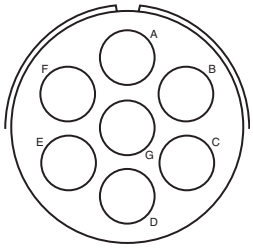
**front face of pin insert or rear face of socket insert illustrated**

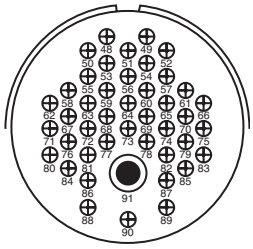


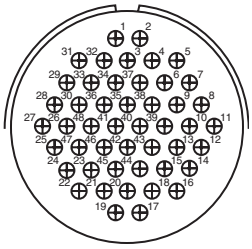



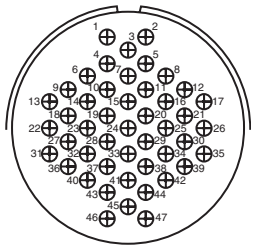

| | | | |
|---|---|---|---|
| **Insert Arrangement** | **36-64** | **36-65** | **36-71** |
| **Service Rating** | **–** | **–** | **A** |
| **Number of Contacts** | **4** | **4** | **3 50** |
| **Contact Size** | **0 (Coax) RG-11/U RG-12/U, or RG-13/U** | **0 (Coax) RG-59/U, RG-62/U or RG-71/U** | **12 16** |

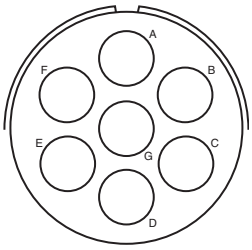


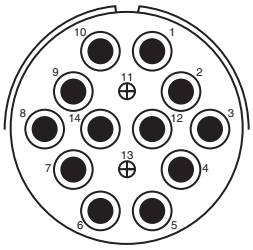




| | | | |
|---|---|---|---|
| **Insert Arrangement** | **36-73** | **36-74** | **36-75** |
| **Service Rating** | **–** | **A** | **A** |
| **Number of Contacts** | **7** | **43 1** | **48** |
| **Contact Size** | **4 (Coax) RG-62B/U** | **16 8 (Coax) RG-187/B** | **16 for #14 wire** |



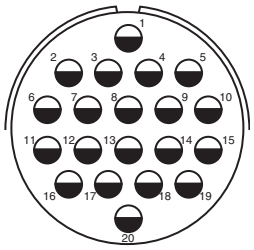



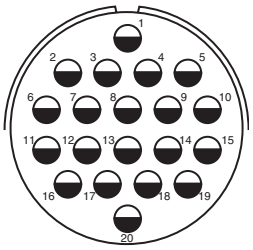

| | | | |
|---|---|---|---|
| **Insert Arrangement** | **36-76** | **36-77** | **36-78** |
| **Service Rating** | **A** | **D** | **A** |
| **Number of Contacts** | **47** | **7** | **2 12** |
| **Contact Size** | **16** | **4** | **16 8** |

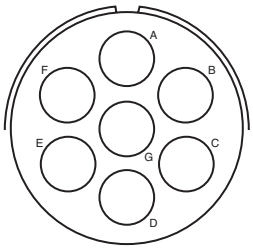
**CONTACT LEGEND** **16 12 8 4 0**

# ACA-B
## contact arrangements

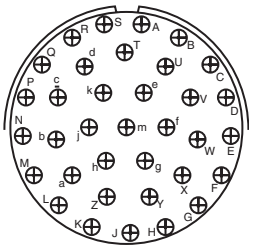
**front face of pin insert or rear face of socket insert illustrated**

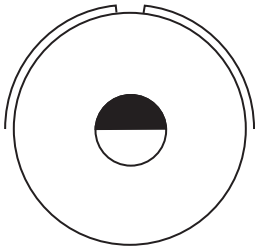


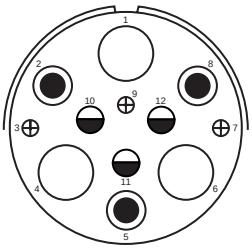



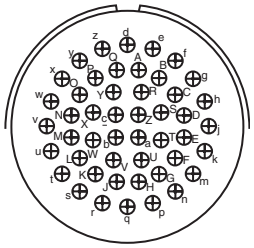

| | | | |
|---|---|---|---|
| **Insert Arrangement** | **36-79** | **36-80** | **36-83** |
| **Service Rating** | **A** | **A** | **–** |
| **Number of Contacts** | **20** | **20** | **7** |
| **Contact Size** | **12** | **12 for #10 wire** | **4 (Coax) RG-58/U** |



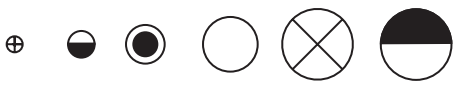





| | | | |
|---|---|---|---|
| **Insert Arrangement** | **36-85** | **36-97** | **36-99** |
| **Service Rating** | **M = D; Bal. = A** | **C** | **D** |
| **Number of Contacts** | **35** | **1** | **3 3 3 3** |
| **Contact Size** | **16 for #12 wire** | **4/0** | **4 8 12 16** |



| | |
|---|---|
| **Insert Arrangement** | **36-AF** |
| **Service Rating** | **A** |
| **Number of Contacts** | **48** |
| **Contact Size** | **16** |

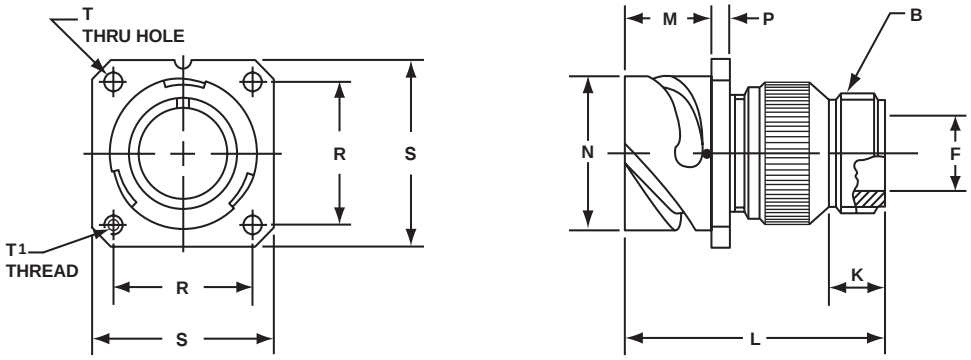


# ACA-B Connector Classes

# ACA 3100F-B

## wall mount receptacle for front panel mounting

- **Receptacle with solid backshell and rear accessory threads**
- **Four through mounting holes or optional metric threaded holes**
- **Includes grommet and grommet sleeve**




**Inches**

| Shell Size | B Thread Class 2A | F Min. | K Min. | L Max. | M + .016 – .000 | N + .000 – .006 | P ± .008 | R ± .004 | S ± .012 | T Thru Hole + .004 – .000 |
|---|---|---|---|---|---|---|---|---|---|---|
| 10SL | .6250-24 UNEF | .409 | .374 | 1.969 | .717 | .717 | .110 | .717 | 1.000 | .126 |
| 14S | .7500-20 UNEF | .520 | .374 | 1.969 | .717 | .969 | .126 | .906 | 1.181 | .126 |
| 16S | .8750-20 UNEF | .638 | .374 | 1.969 | .717 | 1.079 | .126 | .969 | 1.280 | .126 |
| 16 | .8750-20 UNEF | .638 | .374 | 2.362 | .846 | 1.079 | .126 | .969 | 1.280 | .126 |
| 18 | 1.0000-20 UNEF | .756 | .374 | 2.362 | .907 | 1.213 | .157 | 1.063 | 1.378 | .126 |
| 20 | 1.1875-18 UNEF | .867 | .374 | 2.362 | .907 | 1.346 | .157 | 1.157 | 1.496 | .126 |
| 22 | 1.1875-18 UNEF | .965 | .374 | 2.362 | .907 | 1.472 | .157 | 1.252 | 1.614 | .126 |
| 24 | 1.4375-18 UNEF | 1.094 | .374 | 2.560 | .907 | 1.610 | .157 | 1.374 | 1.752 | .146 |
| 28 | 1.4375-18 UNEF | 1.228 | .374 | 2.560 | .947 | 1.839 | .157 | 1.563 | 2.000 | .146 |
| 32 | 1.7500-18 UNS | 1.488 | .433 | 2.560 | .947 | 2.102 | .157 | 1.752 | 2.244 | .169 |
| 36 | 2.0000-18 UNS | 1.780 | .465 | 3.150 | .947 | 2.346 | .157 | 1.937 | 2.500 | .169 |

**Millimeters**

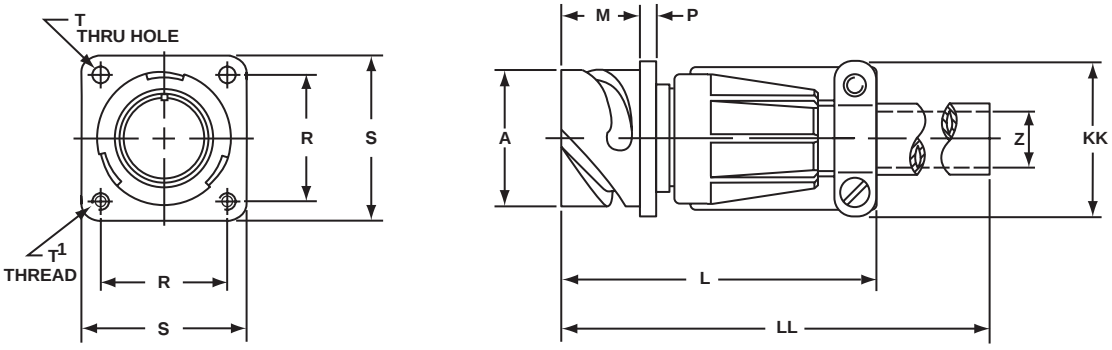
| Shell Size | F Min. | K Min. | L Max. | M + 0.4 – 0.0 | N + 0.00 – 0.15 | P ± 0.2 | R ± 0.1 | S ± 0.3 | T Thru Hole + 0.1 – 0.0 | $T^1$ Metric Thread |
|---|---|---|---|---|---|---|---|---|---|---|
| 10SL | 10.4 | 9.5 | 50 | 18.2 | 18.2 | 2.8 | 18.2 | 25.4 | 3.2 | M4 |
| 14S | 13.2 | 9.5 | 50 | 18.2 | 24.6 | 3.2 | 23.0 | 30.0 | 3.2 | M4 |
| 16S | 16.2 | 9.5 | 50 | 18.2 | 27.4 | 3.2 | 24.6 | 32.5 | 3.2 | M4 |
| 16 | 16.2 | 9.5 | 60 | 21.5 | 27.4 | 3.2 | 24.6 | 32.5 | 3.2 | M4 |
| 18 | 19.2 | 9.5 | 60 | 23.0 | 30.8 | 4.0 | 27.0 | 35.0 | 3.2 | M4 |
| 20 | 22.0 | 9.5 | 60 | 23.0 | 34.2 | 4.0 | 29.4 | 38.0 | 3.2 | M4 |
| 22 | 24.5 | 9.5 | 60 | 23.0 | 37.4 | 4.0 | 31.8 | 41.0 | 3.2 | M4 |
| 24 | 27.8 | 9.5 | 65 | 23.0 | 40.9 | 4.0 | 34.9 | 44.5 | 3.7 | M4 |
| 28 | 31.2 | 9.5 | 65 | 24.1 | 46.7 | 4.0 | 39.7 | 50.8 | 3.7 | M5 |
| 32 | 37.8 | 11.0 | 65 | 24.1 | 53.4 | 4.0 | 44.5 | 57.0 | 4.3 | M5 |
| 36 | 45.2 | 11.8 | 80 | 24.1 | 59.6 | 4.0 | 49.2 | 63.5 | 4.3 | M5 |

All dimensions for reference only.

# ACA 3100E-B

## wall mount receptacle for front panel mounting

- **Receptacle with cable clamp and telescopic bushing**
- **Includes grommet and grommet sleeve**
- **Four through mounting holes or optional metric threaded holes**




**Inches**

| Shell Size | L Max. | M + .016 – .000 | N + .000 – .006 | P ± .008 | R ± .004 | S ± .012 | T Thru Hole + .004 – .000 | Z Max. | KK Max. | LL Max. |
|---|---|---|---|---|---|---|---|---|---|---|
| 10SL | 2.362 | .717 | .717 | .110 | .717 | 1.000 | .126 | .256 | .894 | 4.720 |
| 14S | 2.440 | .717 | .969 | .126 | .906 | 1.181 | .126 | .354 | 1.083 | 4.720 |
| 16S | 2.756 | .717 | 1.079 | .126 | .969 | 1.280 | .126 | .433 | 1.181 | 4.720 |
| 16 | 2.756 | .846 | 1.079 | .126 | .969 | 1.280 | .126 | .433 | 1.181 | 4.921 |
| 18 | 3.031 | .907 | 1.213 | .157 | 1.063 | 1.378 | .126 | .559 | 1.300 | 4.921 |
| 20 | 3.031 | .907 | 1.346 | .157 | 1.157 | 1.496 | .126 | .622 | 1.476 | 4.921 |
| 22 | 3.031 | .907 | 1.472 | .157 | 1.252 | 1.614 | .126 | .622 | 1.476 | 4.921 |
| 24 | 3.346 | .907 | 1.610 | .157 | 1.374 | 1.752 | .146 | .843 | 1.705 | 4.921 |
| 28 | 3.346 | .947 | 1.839 | .157 | 1.563 | 2.000 | .146 | .843 | 1.705 | 4.921 |
| 32 | 3.346 | .947 | 2.102 | .157 | 1.752 | 2.244 | .169 | 1.051 | 2.035 | 4.921 |
| 36 | 4.134 | .947 | 2.346 | .157 | 1.937 | 2.500 | .169 | 1.248 | 2.283 | 5.315 |

**Millimeters**

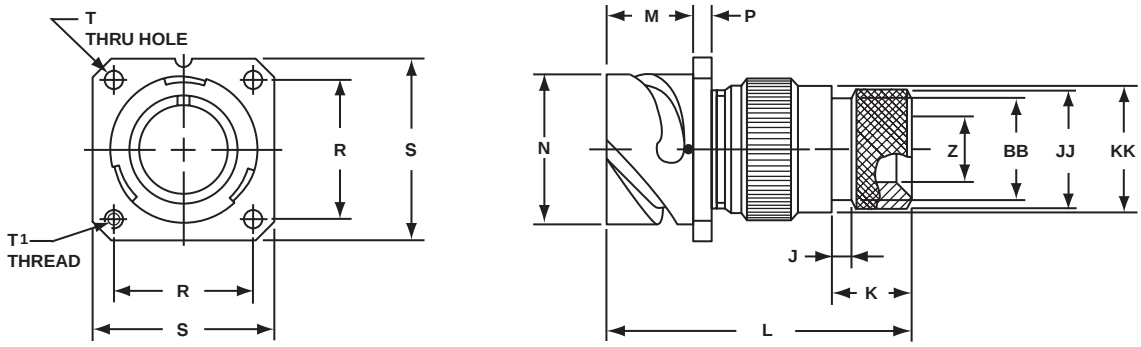
| Shell Size | L Max. | M + 0.4 – 0.0 | N + 0.00 – 0.15 | P ± 0.2 | R ± 0.1 | S ± 0.3 | T Thru Hole + 0.1 – 0.0 | $T^1$ Metric Thread | Z Max. | KK Max. | LL Max. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 10SL | 60 | 18.2 | 18.2 | 2.8 | 18.2 | 25.4 | 3.2 | M4 | 6.5 | 22.7 | 120 |
| 14S | 62 | 18.2 | 24.6 | 3.2 | 23.0 | 30.0 | 3.2 | M4 | 9.0 | 27.5 | 120 |
| 16S | 70 | 18.2 | 27.4 | 3.2 | 24.6 | 32.5 | 3.2 | M4 | 11.0 | 30.0 | 120 |
| 16 | 70 | 21.5 | 27.4 | 3.2 | 24.6 | 32.5 | 3.2 | M4 | 11.0 | 30.0 | 125 |
| 18 | 77 | 23.0 | 30.8 | 4.0 | 27.0 | 35.0 | 3.2 | M4 | 14.2 | 33.0 | 125 |
| 20 | 77 | 23.0 | 34.2 | 4.0 | 29.4 | 38.0 | 3.2 | M4 | 15.8 | 37.5 | 125 |
| 22 | 77 | 23.0 | 37.4 | 4.0 | 31.8 | 41.0 | 3.2 | M4 | 15.8 | 37.5 | 125 |
| 24 | 85 | 23.0 | 40.9 | 4.0 | 34.9 | 44.5 | 3.7 | M4 | 21.4 | 43.3 | 125 |
| 28 | 85 | 24.1 | 46.7 | 4.0 | 39.7 | 50.8 | 3.7 | M5 | 21.4 | 43.3 | 125 |
| 32 | 85 | 24.1 | 53.4 | 4.0 | 44.5 | 57.0 | 4.3 | M5 | 26.7 | 51.7 | 125 |
| 36 | 105 | 24.1 | 59.6 | 4.0 | 49.2 | 63.5 | 4.3 | M5 | 31.7 | 58.0 | 135 |

All dimensions for reference only.

# ACA 3100G-B

## wall mount receptacle for front panel mounting

- **Receptacle with endbell for heat shrink termination**
- **Does not include grommet and grommet sleeve**
- **Four through mounting holes or optional metric threaded holes**




**Inches**

| Shell Size | J ± .008 | K ± .020 | L Max. | M + .016 − .000 | N + .000 − .006 | P ± .008 | R ± .004 | S ± .012 | T Thru Hole + .004 − .000 | Z Min. | BB Max. | JJ ± .008 | KK ± .008 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10SL | .138 | .461 | 1.969 | .717 | .717 | .110 | .717 | 1.000 | .126 | .303 | .524 | .610 | .669 |
| 14S | .138 | .461 | 1.969 | .717 | .969 | .126 | .906 | 1.181 | .126 | .417 | .669 | .752 | .791 |
| 16S | .138 | .461 | 1.969 | .717 | 1.079 | .126 | .969 | 1.280 | .126 | .531 | .862 | .941 | .925 |
| 16 | .138 | .453 | 2.362 | .846 | 1.079 | .126 | .969 | 1.280 | .126 | .531 | .862 | .941 | .925 |
| 18 | .138 | .453 | 2.362 | .907 | 1.213 | .157 | 1.063 | 1.378 | .126 | .575 | .862 | .941 | 1.043 |
| 20 | .138 | .500 | 2.559 | .907 | 1.346 | .157 | 1.157 | 1.496 | .126 | .736 | 1.031 | 1.165 | 1.189 |
| 22 | .138 | .500 | 2.559 | .907 | 1.472 | .157 | 1.252 | 1.614 | .126 | .819 | 1.031 | 1.165 | 1.323 |
| 24 | .138 | .500 | 2.559 | .907 | 1.610 | .157 | 1.374 | 1.752 | .146 | .969 | 1.358 | 1.488 | 1.421 |
| 28 | .138 | .500 | 2.559 | .947 | 1.839 | .157 | 1.563 | 2.000 | .146 | 1.062 | 1.358 | 1.488 | 1.630 |
| 32 | .138 | .598 | 2.756 | .947 | 2.102 | .157 | 1.752 | 2.244 | .169 | 1.311 | 1.717 | 1.882 | 1.913 |
| 36 | .138 | .598 | 3.150 | .947 | 2.346 | .157 | 1.937 | 2.500 | .169 | 1.516 | 1.717 | 1.882 | 2.157 |

**Millimeters**

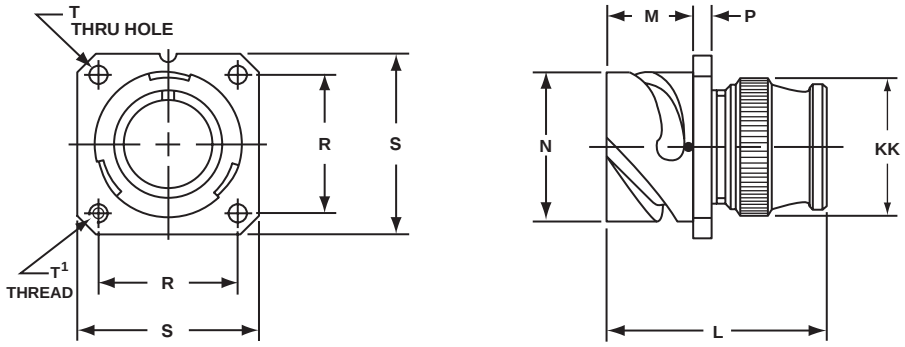
| Shell Size | J ± 0.2 | K ± 0.5 | L Max. | M + 0.4 − 0.0 | N + 0.00 − 0.15 | P ± 0.2 | R ± 0.1 | S ± 0.3 | T Thru Hole + 0.1 − 0.0 | T[1] Metric Thread | Z Min. | BB Max. | JJ ± 0.2 | KK ± 0.2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10SL | 3.5 | 11.7 | 50 | 18.2 | 18.2 | 2.8 | 18.2 | 25.4 | 3.2 | M4 | 7.7 | 13.3 | 15.5 | 17.0 |
| 14S | 3.5 | 11.7 | 50 | 18.2 | 24.6 | 3.2 | 23.0 | 30.0 | 3.2 | M4 | 10.6 | 17.0 | 19.1 | 20.1 |
| 16S | 3.5 | 11.7 | 50 | 18.2 | 27.4 | 3.2 | 24.6 | 32.5 | 3.2 | M4 | 13.5 | 21.9 | 23.9 | 23.5 |
| 16 | 3.5 | 11.5 | 60 | 21.5 | 27.4 | 3.2 | 24.6 | 32.5 | 3.2 | M4 | 13.5 | 21.9 | 23.9 | 23.5 |
| 18 | 3.5 | 11.5 | 60 | 23.0 | 30.8 | 4.0 | 27.0 | 35.0 | 3.2 | M4 | 14.6 | 21.9 | 23.9 | 26.5 |
| 20 | 3.5 | 12.7 | 65 | 23.0 | 34.2 | 4.0 | 29.4 | 38.0 | 3.2 | M4 | 18.7 | 26.2 | 29.6 | 30.2 |
| 22 | 3.5 | 12.7 | 65 | 23.0 | 37.4 | 4.0 | 31.8 | 41.0 | 3.2 | M4 | 20.8 | 26.2 | 29.6 | 33.6 |
| 24 | 3.5 | 12.7 | 65 | 23.0 | 40.9 | 4.0 | 34.9 | 44.5 | 3.7 | M4 | 24.6 | 34.5 | 37.8 | 36.1 |
| 28 | 3.5 | 12.7 | 65 | 24.1 | 46.7 | 4.0 | 39.7 | 50.8 | 3.7 | M5 | 27.0 | 34.5 | 37.8 | 41.4 |
| 32 | 3.5 | 15.2 | 70 | 24.1 | 53.4 | 4.0 | 44.5 | 57.0 | 4.3 | M5 | 33.3 | 43.6 | 47.8 | 48.6 |
| 36 | 3.5 | 15.2 | 80 | 24.1 | 59.6 | 4.0 | 49.2 | 63.5 | 4.3 | M5 | 38.5 | 43.6 | 47.8 | 54.8 |

All dimensions for reference only.

# ACA 3100R-B

## wall mount receptacle for front panel mounting

- **Receptacle with short endbell for individual wire sealing**
- **Includes grommet and grommet sleeve**
- **Four through mounting holes or optional metric threaded holes**




**Inches**

| Shell Size | L Max. | M + .016 − .000 | N + .000 − .006 | P ± .008 | R ± .004 | S ± .012 | T Thru Hole + .004 − .000 | KK Max. |
|---|---|---|---|---|---|---|---|---|
| 10SL | 1.890 | .717 | .717 | .110 | .717 | 1.000 | .126 | .787 |
| 14S | 1.890 | .717 | .969 | .126 | .906 | 1.181 | .126 | .945 |
| 16S | 1.890 | .717 | 1.079 | .126 | .969 | 1.280 | .126 | 1.024 |
| 16 | 2.205 | .846 | 1.079 | .126 | .969 | 1.280 | .126 | 1.024 |
| 18 | 2.244 | .907 | 1.213 | .157 | 1.063 | 1.378 | .126 | 1.161 |
| 20 | 2.244 | .907 | 1.346 | .157 | 1.157 | 1.496 | .126 | 1.299 |
| 22 | 2.244 | .907 | 1.472 | .157 | 1.252 | 1.614 | .126 | 1.417 |
| 24 | 2.244 | .907 | 1.610 | .157 | 1.374 | 1.752 | .146 | 1.575 |
| 28 | 2.244 | .947 | 1.839 | .157 | 1.563 | 2.000 | .146 | 1.811 |
| 32 | 2.362 | .947 | 2.102 | .157 | 1.752 | 2.244 | .169 | 2.028 |
| 36 | 2.362 | .947 | 2.346 | .157 | 1.937 | 2.500 | .169 | 2.283 |

**Millimeters**

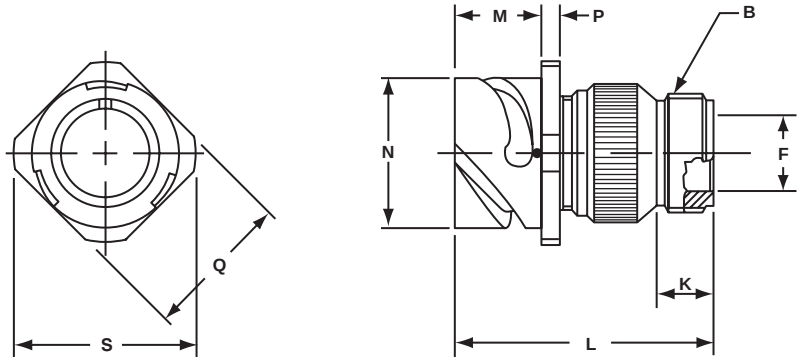
| Shell Size | L Max. | M + 0.4 − 0.0 | N + 0.00 − 0.15 | P ± 0.2 | R ± 0.1 | S ± 0.3 | T Thru Hole + 0.1 − 0.0 | $T^1$ Metric Thread | KK Max. |
|---|---|---|---|---|---|---|---|---|---|
| 10SL | 48.0 | 18.2 | 18.2 | 2.8 | 18.2 | 25.4 | 3.2 | M4 | 20.0 |
| 14S | 48.0 | 18.2 | 24.6 | 3.2 | 23.0 | 30.0 | 3.2 | M4 | 24.0 |
| 16S | 48.0 | 18.2 | 27.4 | 3.2 | 24.6 | 32.5 | 3.2 | M4 | 26.0 |
| 16 | 56.0 | 21.5 | 27.4 | 3.2 | 24.6 | 32.5 | 3.2 | M4 | 26.0 |
| 18 | 57.0 | 23.0 | 30.8 | 4.0 | 27.0 | 35.0 | 3.2 | M4 | 29.5 |
| 20 | 57.0 | 23.0 | 34.2 | 4.0 | 29.4 | 38.0 | 3.2 | M4 | 33.0 |
| 22 | 57.0 | 23.0 | 37.4 | 4.0 | 31.8 | 41.0 | 3.2 | M4 | 36.0 |
| 24 | 57.0 | 23.0 | 40.9 | 4.0 | 34.9 | 44.5 | 3.7 | M4 | 40.0 |
| 28 | 57.0 | 24.1 | 46.7 | 4.0 | 39.7 | 50.8 | 3.7 | M5 | 46.0 |
| 32 | 60.0 | 24.1 | 53.4 | 4.0 | 44.5 | 57.0 | 4.3 | M5 | 51.5 |
| 36 | 60.0 | 24.1 | 59.6 | 4.0 | 49.2 | 63.5 | 4.3 | M5 | 58.0 |

All dimensions for reference only.

# ACA 3101F-B

## inline receptacle

- **Receptacle with solid backshell and rear accessory threads**
- **Includes grommet and grommet sleeve**




**Inches**

| Shell Size | B Thread Class 2A | F Min. | K Min. | L Max. | M + .016 – .000 | N + .000 – .006 | P ± .008 | Q ± .008 | S Max. |
|---|---|---|---|---|---|---|---|---|---|
| 10SL | .6250-24 UNEF | .409 | .374 | 1.969 | .717 | .717 | .110 | .811 | .992 |
| 14S | .7500-20 UNEF | .520 | .374 | 1.969 | .717 | .969 | .126 | 1.000 | 1.173 |
| 16S | .8750-20 UNEF | .638 | .374 | 1.969 | .717 | 1.079 | .126 | 1.126 | 1.272 |
| 16 | .8750-20 UNEF | .638 | .374 | 2.362 | .846 | 1.079 | .126 | 1.126 | 1.272 |
| 18 | 1.0000-20 UNEF | .756 | .374 | 2.362 | .907 | 1.213 | .157 | 1.248 | 1.370 |
| 20 | 1.1875-18 UNEF | .867 | .374 | 2.362 | .907 | 1.346 | .157 | 1.374 | 1.488 |
| 22 | 1.1875-18 UNEF | .965 | .374 | 2.362 | .907 | 1.472 | .157 | 1.500 | 1.618 |
| 24 | 1.4375-18 UNEF | 1.094 | .374 | 2.560 | .907 | 1.610 | .157 | 1.626 | 1.756 |
| 28 | 1.4375-18 UNEF | 1.228 | .374 | 2.560 | .947 | 1.839 | .157 | 1.874 | 2.004 |
| 32 | 1.7500-18 UNS | 1.488 | .433 | 2.560 | .947 | 2.102 | .157 | 2.126 | 2.248 |
| 36 | 2.0000-18 UNS | 1.780 | .465 | 3.150 | .947 | 2.346 | .157 | 2.386 | 2.504 |

**Millimeters**

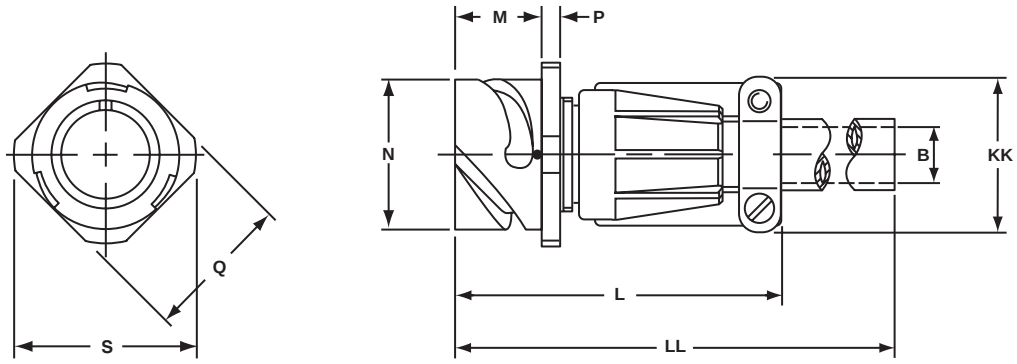
| Shell Size | F Min. | K Min. | L Max. | M + 0.4 – 0.0 | N + 0.00 – 0.15 | P ± 0.2 | Q ± 0.2 | S Max. |
|---|---|---|---|---|---|---|---|---|
| 10SL | 10.4 | 9.5 | 50 | 18.2 | 18.2 | 2.8 | 20.6 | 25.2 |
| 14S | 13.2 | 9.5 | 50 | 18.2 | 24.6 | 3.2 | 25.4 | 29.8 |
| 16S | 16.2 | 9.5 | 50 | 18.2 | 27.4 | 3.2 | 28.6 | 32.3 |
| 16 | 16.2 | 9.5 | 60 | 21.5 | 27.4 | 3.2 | 28.6 | 32.3 |
| 18 | 19.2 | 9.5 | 60 | 23.0 | 30.8 | 4.0 | 31.7 | 34.8 |
| 20 | 22.0 | 9.5 | 60 | 23.0 | 34.2 | 4.0 | 34.9 | 37.8 |
| 22 | 24.5 | 9.5 | 60 | 23.0 | 37.4 | 4.0 | 38.1 | 41.1 |
| 24 | 27.8 | 9.5 | 65 | 23.0 | 40.9 | 4.0 | 41.3 | 44.6 |
| 28 | 31.2 | 9.5 | 65 | 24.1 | 46.7 | 4.0 | 47.6 | 50.9 |
| 32 | 37.8 | 11.0 | 65 | 24.1 | 53.4 | 4.0 | 54.0 | 57.1 |
| 36 | 45.2 | 11.8 | 80 | 24.1 | 59.6 | 4.0 | 60.6 | 63.6 |

All dimensions for reference only.

# ACA 3101E-B

## inline receptacle

- **Receptacle with cable clamp and telescopic bushing**
- **Includes grommet and grommet sleeve**




**Inches**

| Shell Size | B Max. | L Max. | M + .016 – .000 | N + .000 – .006 | P ± .008 | Q Max. | S Max. | KK Max. | LL Max. |
|---|---|---|---|---|---|---|---|---|---|
| 10SL | .256 | 2.362 | .717 | .717 | .110 | .886 | .992 | .894 | 4.720 |
| 14S | .354 | 2.440 | .717 | .969 | .126 | 1.161 | 1.173 | 1.083 | 4.720 |
| 16S | .433 | 2.756 | .717 | 1.079 | .126 | 1.240 | 1.272 | 1.181 | 4.720 |
| 16 | .433 | 2.756 | .846 | 1.079 | .126 | 1.240 | 1.272 | 1.181 | 4.921 |
| 18 | .559 | 3.031 | .907 | 1.213 | .157 | 1.358 | 1.370 | 1.300 | 4.921 |
| 20 | .622 | 3.031 | .907 | 1.346 | .157 | 1.476 | 1.488 | 1.476 | 4.921 |
| 22 | .622 | 3.031 | .907 | 1.472 | .157 | 1.594 | 1.618 | 1.476 | 4.921 |
| 24 | .843 | 3.346 | .907 | 1.610 | .157 | 1.752 | 1.756 | 1.705 | 4.921 |
| 28 | .843 | 3.346 | .947 | 1.839 | .157 | 1.969 | 2.004 | 1.705 | 4.921 |
| 32 | 1.051 | 3.346 | .947 | 2.102 | .157 | 2.224 | 2.248 | 2.035 | 4.921 |
| 36 | 1.248 | 4.134 | .947 | 2.346 | .157 | 2.480 | 2.504 | 2.283 | 5.315 |

**Millimeters**

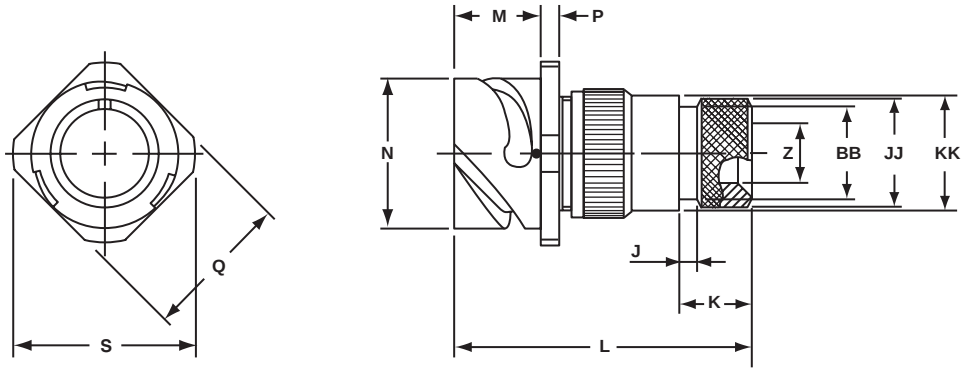
| Shell Size | B Max. | L Max. | M + 0.4 – 0.0 | N + 0.00 – 0.15 | P ± 0.2 | Q Max. | S Max. | KK Max. | LL Max. |
|---|---|---|---|---|---|---|---|---|---|
| 10SL | 6.5 | 60 | 18.2 | 18.2 | 2.8 | 22.5 | 25.2 | 22.7 | 120 |
| 14S | 9.0 | 62 | 18.2 | 24.6 | 3.2 | 29.5 | 29.8 | 27.5 | 120 |
| 16S | 11.0 | 70 | 18.2 | 27.4 | 3.2 | 31.5 | 32.3 | 30.0 | 120 |
| 16 | 11.0 | 70 | 21.5 | 27.4 | 3.2 | 31.5 | 32.3 | 30.0 | 125 |
| 18 | 14.2 | 77 | 23.0 | 30.8 | 4.0 | 34.5 | 34.8 | 33.0 | 125 |
| 20 | 15.8 | 77 | 23.0 | 34.2 | 4.0 | 37.5 | 37.8 | 37.5 | 125 |
| 22 | 15.8 | 77 | 23.0 | 37.4 | 4.0 | 40.5 | 41.1 | 37.5 | 125 |
| 24 | 21.4 | 85 | 23.0 | 40.9 | 4.0 | 44.5 | 44.6 | 43.3 | 125 |
| 28 | 21.4 | 85 | 24.1 | 46.7 | 4.0 | 50.0 | 50.9 | 43.3 | 125 |
| 32 | 26.7 | 85 | 24.1 | 53.4 | 4.0 | 56.5 | 57.1 | 51.7 | 125 |
| 36 | 31.7 | 105 | 24.1 | 59.6 | 4.0 | 63.0 | 63.6 | 58.0 | 135 |

All dimensions for reference only.

# ACA 3101G-B

## inline receptacle

- **Receptacle with backshell for heat shrink termination**
- **Does not include grommet and grommet sleeve**




**Inches**

| Shell Size | J ± .008 | K ± .020 | L Max. | M + .016 − .000 | N + .000 − .006 | P ± .008 | Q Max. | S Max. | Z Min. | BB Max. | JJ ± .008 | KK ± .008 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10SL | .138 | .461 | 1.969 | .717 | .717 | .110 | .886 | .992 | .303 | .524 | .610 | .669 |
| 14S | .138 | .461 | 1.969 | .717 | .969 | .126 | 1.161 | 1.173 | .417 | .669 | .752 | .791 |
| 16S | .138 | .461 | 1.969 | .717 | 1.079 | .126 | 1.240 | 1.272 | .531 | .862 | .941 | .925 |
| 16 | .138 | .453 | 2.362 | .846 | 1.079 | .126 | 1.240 | 1.272 | .531 | .862 | .941 | .925 |
| 18 | .138 | .453 | 2.362 | .907 | 1.213 | .157 | 1.358 | 1.370 | .575 | .862 | .941 | 1.043 |
| 20 | .138 | .500 | 2.559 | .907 | 1.346 | .157 | 1.476 | 1.488 | .736 | 1.031 | 1.165 | 1.189 |
| 22 | .138 | .500 | 2.559 | .907 | 1.472 | .157 | 1.594 | 1.618 | .819 | 1.031 | 1.165 | 1.323 |
| 24 | .138 | .500 | 2.559 | .907 | 1.610 | .157 | 1.752 | 1.756 | .969 | 1.358 | 1.488 | 1.421 |
| 28 | .138 | .500 | 2.559 | .947 | 1.839 | .157 | 1.969 | 2.004 | 1.062 | 1.358 | 1.488 | 1.630 |
| 32 | .138 | .598 | 2.756 | .947 | 2.102 | .157 | 2.224 | 2.248 | 1.311 | 1.717 | 1.882 | 1.913 |
| 36 | .138 | .598 | 3.150 | .947 | 2.346 | .157 | 2.480 | 2.504 | 1.516 | 1.717 | 1.882 | 2.157 |

**Millimeters**

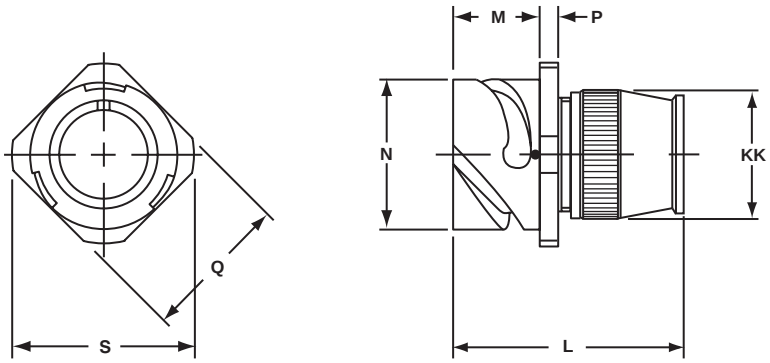
| Shell Size | J ± 0.2 | K ± 0.5 | L Max. | M + 0.4 − 0.0 | N + 0.00 − 0.15 | P ± 0.2 | Q Max. | S Max. | Z Min. | BB Max. | JJ ± 0.2 | KK ± 0.2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10SL | 3.5 | 11.7 | 50 | 18.2 | 18.2 | 2.8 | 22.5 | 25.2 | 7.7 | 13.3 | 15.5 | 17.0 |
| 14S | 3.5 | 11.7 | 50 | 18.2 | 24.6 | 3.2 | 29.5 | 29.8 | 10.6 | 17.0 | 19.1 | 20.1 |
| 16S | 3.5 | 11.7 | 50 | 18.2 | 27.4 | 3.2 | 31.5 | 32.3 | 13.5 | 21.9 | 23.9 | 23.5 |
| 16 | 3.5 | 11.5 | 60 | 21.5 | 27.4 | 3.2 | 31.5 | 32.3 | 13.5 | 21.9 | 23.9 | 23.5 |
| 18 | 3.5 | 11.5 | 60 | 23.0 | 30.8 | 4.0 | 34.5 | 34.8 | 14.6 | 21.9 | 23.9 | 26.5 |
| 20 | 3.5 | 12.7 | 65 | 23.0 | 34.2 | 4.0 | 37.5 | 37.8 | 18.7 | 26.2 | 29.6 | 30.2 |
| 22 | 3.5 | 12.7 | 65 | 23.0 | 37.4 | 4.0 | 40.5 | 41.1 | 20.8 | 26.2 | 29.6 | 33.6 |
| 24 | 3.5 | 12.7 | 65 | 23.0 | 40.9 | 4.0 | 44.5 | 44.6 | 24.6 | 34.5 | 37.8 | 36.1 |
| 28 | 3.5 | 12.7 | 65 | 24.1 | 46.7 | 4.0 | 50.0 | 50.9 | 27.0 | 34.5 | 37.8 | 41.4 |
| 32 | 3.5 | 15.2 | 70 | 24.1 | 53.4 | 4.0 | 56.5 | 57.1 | 33.3 | 43.6 | 47.8 | 48.6 |
| 36 | 3.5 | 15.2 | 80 | 24.1 | 59.6 | 4.0 | 63.0 | 63.6 | 38.5 | 43.6 | 47.8 | 54.8 |

All dimensions for reference only.

# ACA 3101R-B

## inline receptacle

- **Receptacle with short endbell for individual wire sealing**
- **Includes grommet and grommet sleeve**




**Inches**

| Shell Size | L Max. | M + .016 – .000 | N + .000 – .006 | P ± .008 | Q Max. | S Max. | KK Max. |
|---|---|---|---|---|---|---|---|
| 10SL | 1.890 | .717 | .717 | .110 | .886 | .992 | .787 |
| 14S | 1.890 | .717 | .969 | .126 | 1.161 | 1.173 | .945 |
| 16S | 1.890 | .717 | 1.079 | .126 | 1.240 | 1.272 | 1.024 |
| 16 | 2.205 | .846 | 1.079 | .126 | 1.240 | 1.272 | 1.024 |
| 18 | 2.244 | .907 | 1.213 | .157 | 1.358 | 1.370 | 1.161 |
| 20 | 2.244 | .907 | 1.346 | .157 | 1.476 | 1.488 | 1.299 |
| 22 | 2.244 | .907 | 1.472 | .157 | 1.594 | 1.618 | 1.417 |
| 24 | 2.244 | .907 | 1.610 | .157 | 1.752 | 1.756 | 1.575 |
| 28 | 2.244 | .947 | 1.839 | .157 | 1.969 | 2.004 | 1.811 |
| 32 | 2.362 | .947 | 2.102 | .157 | 2.224 | 2.248 | 2.028 |
| 36 | 2.362 | .947 | 2.346 | .157 | 2.480 | 2.504 | 2.283 |

**Millimeters**

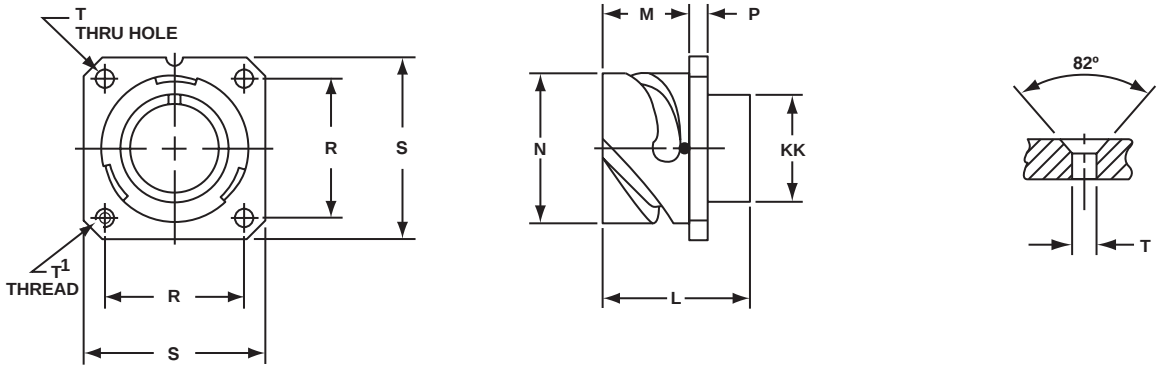
| Shell Size | L Max. | M + 0.4 – 0.0 | N + 0.00 – 0.15 | P ± 0.2 | Q Max. | S Max. | KK Max. |
|---|---|---|---|---|---|---|---|
| 10SL | 48.0 | 18.2 | 18.2 | 2.8 | 22.5 | 25.2 | 20.0 |
| 14S | 48.0 | 18.2 | 24.6 | 3.2 | 29.5 | 29.8 | 24.0 |
| 16S | 48.0 | 18.2 | 27.4 | 3.2 | 31.5 | 32.3 | 26.0 |
| 16 | 56.0 | 21.5 | 27.4 | 3.2 | 31.5 | 32.3 | 26.0 |
| 18 | 57.0 | 23.0 | 30.8 | 4.0 | 34.5 | 34.8 | 29.5 |
| 20 | 57.0 | 23.0 | 34.2 | 4.0 | 37.5 | 37.8 | 33.0 |
| 22 | 57.0 | 23.0 | 37.4 | 4.0 | 40.5 | 41.1 | 36.0 |
| 24 | 57.0 | 23.0 | 40.9 | 4.0 | 44.5 | 44.6 | 40.0 |
| 28 | 57.0 | 24.1 | 46.7 | 4.0 | 50.0 | 50.9 | 46.0 |
| 32 | 60.0 | 24.1 | 53.4 | 4.0 | 56.5 | 57.1 | 51.5 |
| 36 | 60.0 | 24.1 | 59.6 | 4.0 | 63.0 | 63.6 | 58.0 |

All dimensions for reference only.

# ACA 3102E-B

## box mount receptacle for front panel mounting

- **Receptacle without threads for panel mounting**
- **Four through mounting holes or optional metric threaded holes**




**Inches**

| Shell Size | L ± .012 | M + .016 − .000 | N + .000 − .006 | P ± .008 | R ± .004 | S ± .012 | T Thru Hole + .004 − .000 | KK Max. |
|---|---|---|---|---|---|---|---|---|
| 10SL | 1.087 | .717 | .717 | .110 | .717 | 1.000 | .126 | .626 |
| 14S | 1.087 | .717 | .969 | .126 | .906 | 1.181 | .126 | .756 |
| 16S | 1.087 | .717 | 1.079 | .126 | .969 | 1.280 | .126 | .882 |
| 16 | 1.331 | .846 | 1.079 | .126 | .969 | 1.280 | .126 | .882 |
| 18 | 1.331 | .907 | 1.213 | .157 | 1.063 | 1.378 | .126 | 1.008 |
| 20 | 1.331 | .907 | 1.346 | .157 | 1.157 | 1.496 | .126 | 1.142 |
| 22 | 1.331 | .907 | 1.472 | .157 | 1.252 | 1.614 | .126 | 1.268 |
| 24 | 1.331 | .907 | 1.610 | .157 | 1.374 | 1.752 | .146 | 1.390 |
| 28 | 1.406 | .947 | 1.839 | .157 | 1.563 | 2.000 | .146 | 1.630 |
| 32 | 1.469 | .947 | 2.102 | .157 | 1.752 | 2.244 | .169 | 1.882 |
| 36 | 1.469 | .947 | 2.346 | .157 | 1.937 | 2.500 | .169 | 2.063 |

**Millimeters**

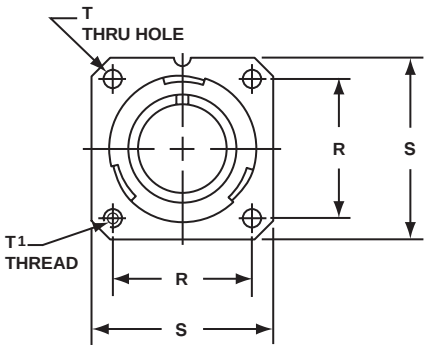
| Shell Size | L ± 0.3 | M + 0.4 − 0.0 | N + 0.00 − 0.15 | P ± 0.2 | R ± 0.1 | S ± 0.3 | T Thru Hole + 0.1 − 0.0 | $T^1$ Metric Thread | KK Max. |
|---|---|---|---|---|---|---|---|---|---|
| 10SL | 27.6 | 18.2 | 18.2 | 2.8 | 18.2 | 25.4 | 3.2 | M4 | 15.9 |
| 14S | 27.6 | 18.2 | 24.6 | 3.2 | 23.0 | 30.0 | 3.2 | M4 | 19.2 |
| 16S | 27.6 | 18.2 | 27.4 | 3.2 | 24.6 | 32.5 | 3.2 | M4 | 22.4 |
| 16 | 33.8 | 21.5 | 27.4 | 3.2 | 24.6 | 32.5 | 3.2 | M4 | 22.4 |
| 18 | 33.8 | 23.0 | 30.8 | 4.0 | 27.0 | 35.0 | 3.2 | M4 | 25.6 |
| 20 | 33.8 | 23.0 | 34.2 | 4.0 | 29.4 | 38.0 | 3.2 | M4 | 29.0 |
| 22 | 33.8 | 23.0 | 37.4 | 4.0 | 31.8 | 41.0 | 3.2 | M4 | 32.2 |
| 24 | 33.8 | 23.0 | 40.9 | 4.0 | 34.9 | 44.5 | 3.7 | M4 | 35.3 |
| 28 | 35.7 | 24.1 | 46.7 | 4.0 | 39.7 | 50.8 | 3.7 | M5 | 41.4 |
| 32 | 37.3 | 24.1 | 53.4 | 4.0 | 44.5 | 57.0 | 4.3 | M5 | 47.8 |
| 36 | 37.3 | 24.1 | 59.6 | 4.0 | 49.2 | 63.5 | 4.3 | M5 | 52.4 |

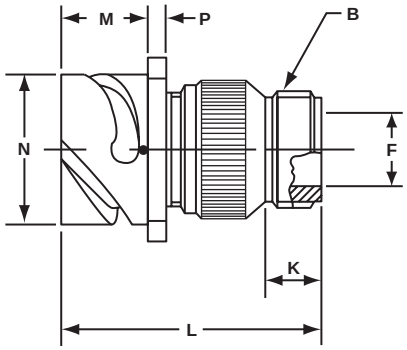
All dimensions for reference only.

# ACA 3103F-B

## wall mounting receptacle for rear panel mounting

- **Receptacle with backshell and rear accessory threads**
- **Includes wire sealing grommet and grommet sleeve for individual wires**
- **Four through mounting holes or optional metric threaded holes**




**Inches**

| Shell Size | B Thread Class 2A | F Min. | K Min. | L Max. | M +.016 −.000 | N +.000 −.006 | P ±.008 | R ±.004 | S ±.012 | T Thru Hole +.004 −.000 |
|---|---|---|---|---|---|---|---|---|---|---|
| 10SL | .6250-24 UNEF | .409 | .374 | 1.969 | .717 | .717 | .110 | .717 | 1.000 | .126 |
| 14S | .7500-20 UNEF | .520 | .374 | 1.969 | .717 | .969 | .126 | .906 | 1.181 | .126 |
| 16S | .8750-20 UNEF | .638 | .374 | 1.969 | .717 | 1.079 | .126 | .969 | 1.280 | .126 |
| 16 | .8750-20 UNEF | .638 | .374 | 2.362 | .846 | 1.079 | .126 | .969 | 1.280 | .126 |
| 18 | 1.0000-20 UNEF | .756 | .374 | 2.362 | .907 | 1.213 | .157 | 1.063 | 1.378 | .126 |
| 20 | 1.1875-18 UNEF | .867 | .374 | 2.362 | .907 | 1.346 | .157 | 1.157 | 1.496 | .126 |
| 22 | 1.1875-18 UNEF | .965 | .374 | 2.362 | .907 | 1.472 | .157 | 1.252 | 1.614 | .126 |
| 24 | 1.4375-18 UNEF | 1.094 | .374 | 2.560 | .907 | 1.610 | .157 | 1.374 | 1.752 | .146 |
| 28 | 1.4375-18 UNEF | 1.228 | .374 | 2.560 | .947 | 1.839 | .157 | 1.563 | 2.000 | .146 |
| 32 | 1.7500-18 UNS | 1.488 | .433 | 2.560 | .947 | 2.102 | .157 | 1.752 | 2.244 | .169 |
| 36 | 2.0000-18 UNS | 1.780 | .465 | 3.150 | .947 | 2.346 | .157 | 1.937 | 2.500 | .169 |

**Millimeters**

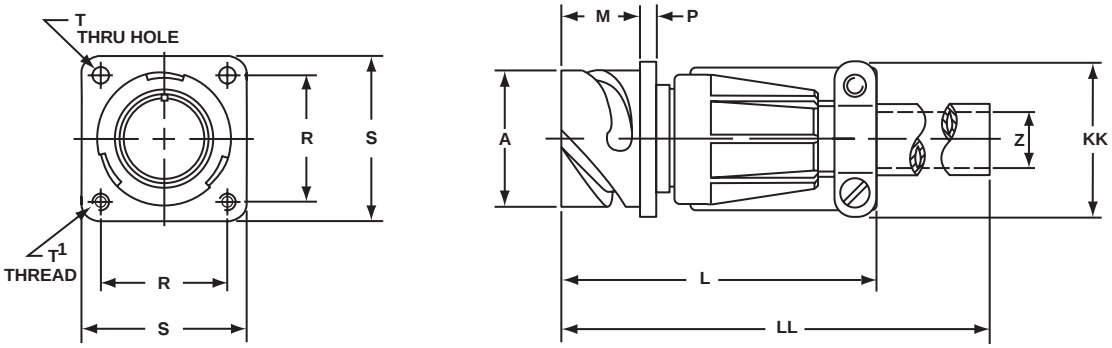
| Shell Size | F Min. | K Min. | L Max. | M +0.4 −0.0 | N +0.00 −0.15 | P ±0.2 | R ±0.1 | S ±0.3 | T Thru Hole +0.1 −0.0 | T1 Metric Thread |
|---|---|---|---|---|---|---|---|---|---|---|
| 10SL | 10.4 | 9.5 | 50 | 18.2 | 18.2 | 2.8 | 18.2 | 25.4 | 3.2 | M4 |
| 14S | 13.2 | 9.5 | 50 | 18.2 | 24.6 | 3.2 | 23.0 | 30.0 | 3.2 | M4 |
| 16S | 16.2 | 9.5 | 50 | 18.2 | 27.4 | 3.2 | 24.6 | 32.5 | 3.2 | M4 |
| 16 | 16.2 | 9.5 | 60 | 21.5 | 27.4 | 3.2 | 24.6 | 32.5 | 3.2 | M4 |
| 18 | 19.2 | 9.5 | 60 | 23.0 | 30.8 | 4.0 | 27.0 | 35.0 | 3.2 | M4 |
| 20 | 22.0 | 9.5 | 60 | 23.0 | 34.2 | 4.0 | 29.4 | 38.0 | 3.2 | M4 |
| 22 | 24.5 | 9.5 | 60 | 23.0 | 37.4 | 4.0 | 31.8 | 41.0 | 3.2 | M4 |
| 24 | 27.8 | 9.5 | 65 | 23.0 | 40.9 | 4.0 | 34.9 | 44.5 | 3.7 | M4 |
| 28 | 31.2 | 9.5 | 65 | 24.1 | 46.7 | 4.0 | 39.7 | 50.8 | 3.7 | M5 |
| 32 | 37.8 | 11.0 | 65 | 24.1 | 53.4 | 4.0 | 44.5 | 57.0 | 4.3 | M5 |
| 36 | 45.2 | 11.8 | 80 | 24.1 | 59.6 | 4.0 | 49.2 | 63.5 | 4.3 | M5 |

All dimensions for reference only.

# ACA 3103E-B

## wall mount receptacle for rear panel mounting

- **Receptacle with cable clamp and telescopic bushing**
- **Includes grommet and grommet sleeve**
- **Four through mounting holes or optional metric threaded holes**




**Inches**

| Shell Size | L Max. | M + .016 − .000 | N + .000 − .006 | P ± .008 | R ± .004 | S ± .012 | T Thru Hole + .004 − .000 | Z Max. | KK Max. | LL Max. |
|---|---|---|---|---|---|---|---|---|---|---|
| 10SL | 2.362 | .717 | .717 | .110 | .717 | 1.000 | .126 | .256 | .894 | 4.720 |
| 14S | 2.440 | .717 | .969 | .126 | .906 | 1.181 | .126 | .354 | 1.083 | 4.720 |
| 16S | 2.756 | .717 | 1.079 | .126 | .969 | 1.280 | .126 | .433 | 1.181 | 4.720 |
| 16 | 2.756 | .846 | 1.079 | .126 | .969 | 1.280 | .126 | .433 | 1.181 | 4.921 |
| 18 | 3.031 | .907 | 1.213 | .157 | 1.063 | 1.378 | .126 | .559 | 1.300 | 4.921 |
| 20 | 3.031 | .907 | 1.346 | .157 | 1.157 | 1.496 | .126 | .622 | 1.476 | 4.921 |
| 22 | 3.031 | .907 | 1.472 | .157 | 1.252 | 1.614 | .126 | .622 | 1.476 | 4.921 |
| 24 | 3.346 | .907 | 1.610 | .157 | 1.374 | 1.752 | .146 | .843 | 1.705 | 4.921 |
| 28 | 3.346 | .947 | 1.839 | .157 | 1.563 | 2.000 | .146 | .843 | 1.705 | 4.921 |
| 32 | 3.346 | .947 | 2.102 | .157 | 1.752 | 2.244 | .169 | 1.051 | 2.035 | 4.921 |
| 36 | 4.134 | .947 | 2.346 | .157 | 1.937 | 2.500 | .169 | 1.248 | 2.283 | 5.315 |

**Millimeters**

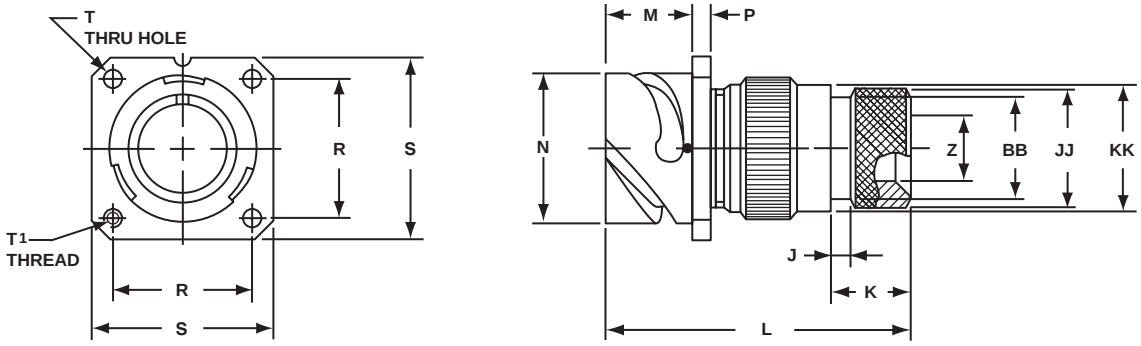
| Shell Size | L Max. | M + 0.4 − 0.0 | N + 0.00 − 0.15 | P ± 0.2 | R ± 0.1 | S ± 0.3 | T Thru Hole + 0.1 − 0.0 | T1 Metric Thread | Z Max. | KK Max. | LL Max. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 10SL | 60 | 18.2 | 18.2 | 2.8 | 18.2 | 25.4 | 3.2 | M4 | 6.5 | 22.7 | 120 |
| 14S | 62 | 18.2 | 24.6 | 3.2 | 23.0 | 30.0 | 3.2 | M4 | 9.0 | 27.5 | 120 |
| 16S | 70 | 18.2 | 27.4 | 3.2 | 24.6 | 32.5 | 3.2 | M4 | 11.0 | 30.0 | 120 |
| 16 | 70 | 21.5 | 27.4 | 3.2 | 24.6 | 32.5 | 3.2 | M4 | 11.0 | 30.0 | 125 |
| 18 | 77 | 23.0 | 30.8 | 4.0 | 27.0 | 35.0 | 3.2 | M4 | 14.2 | 33.0 | 125 |
| 20 | 77 | 23.0 | 34.2 | 4.0 | 29.4 | 38.0 | 3.2 | M4 | 15.8 | 37.5 | 125 |
| 22 | 77 | 23.0 | 37.4 | 4.0 | 31.8 | 41.0 | 3.2 | M4 | 15.8 | 37.5 | 125 |
| 24 | 85 | 23.0 | 40.9 | 4.0 | 34.9 | 44.5 | 3.7 | M4 | 21.4 | 43.3 | 125 |
| 28 | 85 | 24.1 | 46.7 | 4.0 | 39.7 | 50.8 | 3.7 | M5 | 21.4 | 43.3 | 125 |
| 32 | 85 | 24.1 | 53.4 | 4.0 | 44.5 | 57.0 | 4.3 | M5 | 26.7 | 51.7 | 125 |
| 36 | 105 | 24.1 | 59.6 | 4.0 | 49.2 | 63.5 | 4.3 | M5 | 31.7 | 58.0 | 135 |

All dimensions for reference only.

# ACA 3103G-B

## wall mount receptacle for rear panel mounting

- **Receptacle with endbell for heat shrink termination**
- **Does not include grommet and grommet sleeve**
- **Four through mounting holes or optional metric threaded holes**




**Inches**

| Shell Size | J ± .008 | K ± .020 | L Max. | M + .016 − .000 | N + .000 − .006 | P ± .008 | R ± .004 | S ± .012 | T Thru Hole + .004 − .000 | Z Min. | BB Max. | JJ ± .008 | KK ± .008 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10SL | .138 | .461 | 1.969 | .717 | .717 | .110 | .717 | 1.000 | .126 | .303 | .524 | .610 | .669 |
| 14S | .138 | .461 | 1.969 | .717 | .969 | .126 | .906 | 1.181 | .126 | .417 | .669 | .752 | .791 |
| 16S | .138 | .461 | 1.969 | .717 | 1.079 | .126 | .969 | 1.280 | .126 | .531 | .862 | .941 | .925 |
| 16 | .138 | .453 | 2.362 | .846 | 1.079 | .126 | .969 | 1.280 | .126 | .531 | .862 | .941 | .925 |
| 18 | .138 | .453 | 2.362 | .907 | 1.213 | .157 | 1.063 | 1.378 | .126 | .575 | .862 | .941 | 1.043 |
| 20 | .138 | .500 | 2.559 | .907 | 1.346 | .157 | 1.157 | 1.496 | .126 | .736 | 1.031 | 1.165 | 1.189 |
| 22 | .138 | .500 | 2.559 | .907 | 1.472 | .157 | 1.252 | 1.614 | .126 | .819 | 1.031 | 1.165 | 1.323 |
| 24 | .138 | .500 | 2.559 | .907 | 1.610 | .157 | 1.374 | 1.752 | .146 | .969 | 1.358 | 1.488 | 1.421 |
| 28 | .138 | .500 | 2.559 | .947 | 1.839 | .157 | 1.563 | 2.000 | .146 | 1.062 | 1.358 | 1.488 | 1.630 |
| 32 | .138 | .598 | 2.756 | .947 | 2.102 | .157 | 1.752 | 2.244 | .169 | 1.311 | 1.717 | 1.882 | 1.913 |
| 36 | .138 | .598 | 3.150 | .947 | 2.346 | .157 | 1.937 | 2.500 | .169 | 1.516 | 1.717 | 1.882 | 2.157 |

**Millimeters**

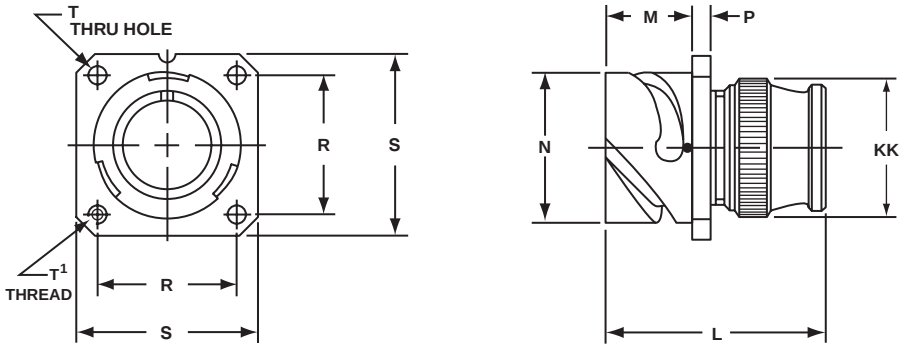
| Shell Size | J ± 0.2 | K ± 0.5 | L Max. | M + 0.4 − 0.0 | N + 0.00 − 0.15 | P ± 0.2 | R ± 0.1 | S ± 0.3 | T Thru Hole + 0.1 − 0.0 | T[1] Metric Thread | Z Min. | BB Max. | JJ ± 0.2 | KK ± 0.2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10SL | 3.5 | 11.7 | 50 | 18.2 | 18.2 | 2.8 | 18.2 | 25.4 | 3.2 | M4 | 7.7 | 13.3 | 15.5 | 17.0 |
| 14S | 3.5 | 11.7 | 50 | 18.2 | 24.6 | 3.2 | 23.0 | 30.0 | 3.2 | M4 | 10.6 | 17.0 | 19.1 | 20.1 |
| 16S | 3.5 | 11.7 | 50 | 18.2 | 27.4 | 3.2 | 24.6 | 32.5 | 3.2 | M4 | 13.5 | 21.9 | 23.9 | 23.5 |
| 16 | 3.5 | 11.5 | 60 | 21.5 | 27.4 | 3.2 | 24.6 | 32.5 | 3.2 | M4 | 13.5 | 21.9 | 23.9 | 23.5 |
| 18 | 3.5 | 11.5 | 60 | 23.0 | 30.8 | 4.0 | 27.0 | 35.0 | 3.2 | M4 | 14.6 | 21.9 | 23.9 | 26.5 |
| 20 | 3.5 | 12.7 | 65 | 23.0 | 34.2 | 4.0 | 29.4 | 38.0 | 3.2 | M4 | 18.7 | 26.2 | 29.6 | 30.2 |
| 22 | 3.5 | 12.7 | 65 | 23.0 | 37.4 | 4.0 | 31.8 | 41.0 | 3.2 | M4 | 20.8 | 26.2 | 29.6 | 33.6 |
| 24 | 3.5 | 12.7 | 65 | 23.0 | 40.9 | 4.0 | 34.9 | 44.5 | 3.7 | M4 | 24.6 | 34.5 | 37.8 | 36.1 |
| 28 | 3.5 | 12.7 | 65 | 24.1 | 46.7 | 4.0 | 39.7 | 50.8 | 3.7 | M5 | 27.0 | 34.5 | 37.8 | 41.4 |
| 32 | 3.5 | 15.2 | 70 | 24.1 | 53.4 | 4.0 | 44.5 | 57.0 | 4.3 | M5 | 33.3 | 43.6 | 47.8 | 48.6 |
| 36 | 3.5 | 15.2 | 80 | 24.1 | 59.6 | 4.0 | 49.2 | 63.5 | 4.3 | M5 | 38.5 | 43.6 | 47.8 | 54.8 |

All dimensions for reference only.

# ACA 3103R-B

## wall mount receptacle for rear panel mounting

- **Receptacle with short endbell for individual wire sealing**
- **Includes grommet and grommet sleeve**
- **Four through mounting holes or optional metric threaded holes**




**Inches**

| Shell Size | L Max. | M + .016 − .000 | N + .000 − .006 | P ± .008 | R ± .004 | S ± .012 | T Thru Hole + .004 − .000 | KK Max. |
|---|---|---|---|---|---|---|---|---|
| 10SL | 1.890 | .717 | .717 | .110 | .717 | 1.000 | .126 | .787 |
| 14S | 1.890 | .717 | .969 | .126 | .906 | 1.181 | .126 | .945 |
| 16S | 1.890 | .717 | 1.079 | .126 | .969 | 1.280 | .126 | 1.024 |
| 16 | 2.205 | .846 | 1.079 | .126 | .969 | 1.280 | .126 | 1.024 |
| 18 | 2.244 | .907 | 1.213 | .157 | 1.063 | 1.378 | .126 | 1.161 |
| 20 | 2.244 | .907 | 1.346 | .157 | 1.157 | 1.496 | .126 | 1.299 |
| 22 | 2.244 | .907 | 1.472 | .157 | 1.252 | 1.614 | .126 | 1.417 |
| 24 | 2.244 | .907 | 1.610 | .157 | 1.374 | 1.752 | .146 | 1.575 |
| 28 | 2.244 | .947 | 1.839 | .157 | 1.563 | 2.000 | .146 | 1.811 |
| 32 | 2.362 | .947 | 2.102 | .157 | 1.752 | 2.244 | .169 | 2.028 |
| 36 | 2.362 | .947 | 2.346 | .157 | 1.937 | 2.500 | .169 | 2.283 |

**Millimeters**

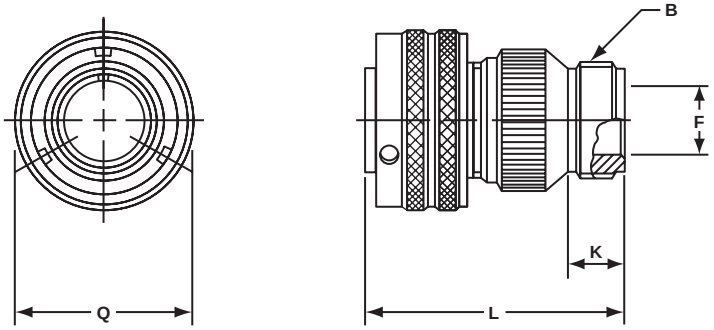
| Shell Size | L Max. | M + 0.4 − 0.0 | N + 0.00 − 0.15 | P ± 0.2 | R ± 0.1 | S ± 0.3 | T Thru Hole + 0.1 − 0.0 | $T^1$ Metric Thread | KK Max. |
|---|---|---|---|---|---|---|---|---|---|
| 10SL | 48.0 | 18.2 | 18.2 | 2.8 | 18.2 | 25.4 | 3.2 | M4 | 20.0 |
| 14S | 48.0 | 18.2 | 24.6 | 3.2 | 23.0 | 30.0 | 3.2 | M4 | 24.0 |
| 16S | 48.0 | 18.2 | 27.4 | 3.2 | 24.6 | 32.5 | 3.2 | M4 | 26.0 |
| 16 | 56.0 | 21.5 | 27.4 | 3.2 | 24.6 | 32.5 | 3.2 | M4 | 26.0 |
| 18 | 57.0 | 23.0 | 30.8 | 4.0 | 27.0 | 35.0 | 3.2 | M4 | 29.5 |
| 20 | 57.0 | 23.0 | 34.2 | 4.0 | 29.4 | 38.0 | 3.2 | M4 | 33.0 |
| 22 | 57.0 | 23.0 | 37.4 | 4.0 | 31.8 | 41.0 | 3.2 | M4 | 36.0 |
| 24 | 57.0 | 23.0 | 40.9 | 4.0 | 34.9 | 44.5 | 3.7 | M4 | 40.0 |
| 28 | 57.0 | 24.1 | 46.7 | 4.0 | 39.7 | 50.8 | 3.7 | M5 | 46.0 |
| 32 | 60.0 | 24.1 | 53.4 | 4.0 | 44.5 | 57.0 | 4.3 | M5 | 51.5 |
| 36 | 60.0 | 24.1 | 59.6 | 4.0 | 49.2 | 63.5 | 4.3 | M5 | 58.0 |

All dimensions for reference only.

# ACA 3106F-B

## straight plug

- **Plug with backshell and rear accessory threads**
- **Includes grommet and grommet sleeve**




**Inches**

| Shell Size | B Thread Class 2A | F Min. | K Min. | L Max. | Q Max. |
|---|---|---|---|---|---|
| 10SL | .6250-24UNEF | .409 | .374 | 1.969 | .898 |
| 14S | .7500-20UNEF | .520 | .374 | 1.969 | 1.150 |
| 16S | .8750-20UNEF | .638 | .374 | 1.969 | 1.260 |
| 16 | .8750-20UNEF | .638 | .374 | 2.362 | 1.260 |
| 18 | 1.0000-20UNEF | .756 | .374 | 2.362 | 1.437 |
| 20 | 1.1875-18UNEF | .867 | .374 | 2.362 | 1.571 |
| 22 | 1.1875-18UNEF | .965 | .374 | 2.362 | 1.697 |
| 24 | 1.4375-18UNEF | 1.094 | .374 | 2.560 | 1.835 |
| 28 | 1.4375-18UNEF | 1.228 | .374 | 2.560 | 2.102 |
| 32 | 1.7500-18UNS | 1.488 | .433 | 2.560 | 2.366 |
| 36 | 2.0000-18UNS | 1.780 | .465 | 3.150 | 2.610 |

**Millimeters**

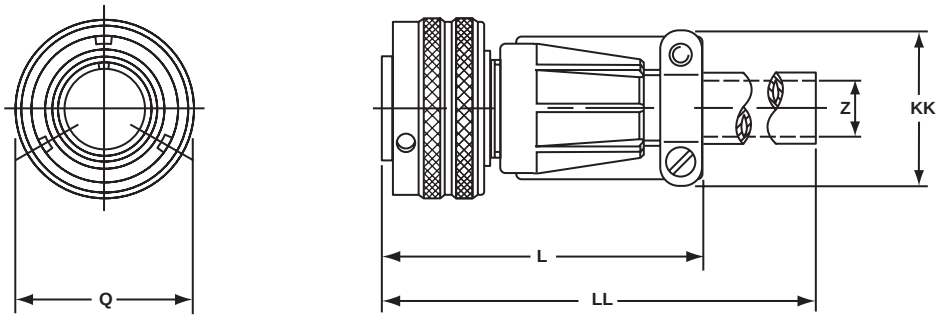
| Shell Size | F Min. | K Min. | L Max. | Q Max. |
|---|---|---|---|---|
| 10SL | 10.4 | 9.5 | 50 | 22.8 |
| 14S | 13.2 | 9.5 | 50 | 29.2 |
| 16S | 16.2 | 9.5 | 50 | 32.0 |
| 16 | 16.2 | 9.5 | 60 | 32.0 |
| 18 | 19.2 | 9.5 | 60 | 36.5 |
| 20 | 22.0 | 9.5 | 60 | 39.9 |
| 22 | 24.5 | 9.5 | 60 | 43.1 |
| 24 | 27.8 | 9.5 | 65 | 46.6 |
| 28 | 31.2 | 9.5 | 65 | 53.4 |
| 32 | 37.8 | 11.0 | 65 | 60.1 |
| 36 | 45.2 | 11.8 | 80 | 66.3 |

All dimensions for reference only.

# ACA 3106E-B

## straight plug

- **Plug with cable clamp and telescopic bushing**
- **Includes grommet and grommet sleeve**




**Inches**

| Shell Size | L Max. | Q Max. | Z Max. | KK Max. | LL Max. |
|---|---|---|---|---|---|
| 10SL | 2.165 | .898 | .256 | .894 | 4.528 |
| 14S | 2.362 | 1.150 | .354 | 1.083 | 4.528 |
| 16S | 2.362 | 1.260 | .433 | 1.181 | 4.528 |
| 16 | 2.756 | 1.260 | .433 | 1.181 | 4.724 |
| 18 | 2.756 | 1.437 | .559 | 1.268 | 4.724 |
| 20 | 2.953 | 1.571 | .622 | 1.476 | 4.724 |
| 22 | 2.953 | 1.697 | .622 | 1.476 | 4.724 |
| 24 | 3.543 | 1.835 | .843 | 1.705 | 4.724 |
| 28 | 3.543 | 2.102 | .843 | 1.705 | 4.724 |
| 32 | 3.543 | 2.366 | 1.051 | 2.035 | 4.724 |
| 36 | 3.937 | 2.610 | 1.248 | 2.283 | 5.118 |

**Millimeters**

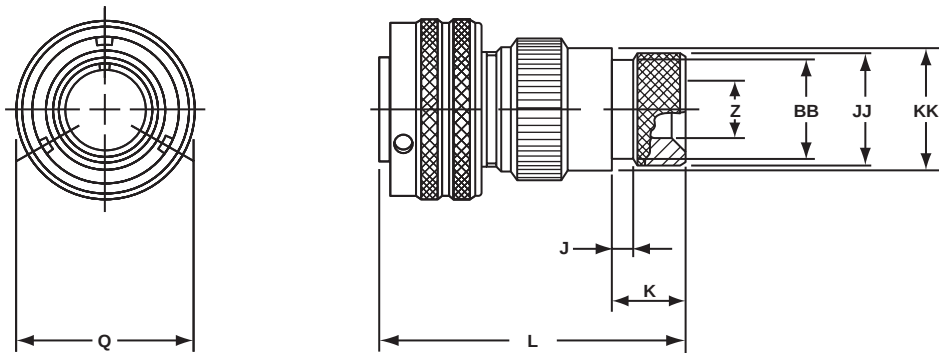
| Shell Size | L Max. | Q Max. | Z Max. | KK Max. | LL Max. |
|---|---|---|---|---|---|
| 10SL | 55 | 22.8 | 6.5 | 22.7 | 115 |
| 14S | 60 | 29.2 | 9.0 | 27.5 | 115 |
| 16S | 60 | 32.0 | 11.0 | 30.0 | 115 |
| 16 | 70 | 32.0 | 11.0 | 30.0 | 120 |
| 18 | 70 | 36.5 | 14.2 | 32.2 | 120 |
| 20 | 75 | 39.9 | 15.8 | 37.5 | 120 |
| 22 | 75 | 43.1 | 15.8 | 37.5 | 120 |
| 24 | 90 | 46.6 | 21.4 | 43.3 | 120 |
| 28 | 90 | 53.4 | 21.4 | 43.3 | 120 |
| 32 | 90 | 60.1 | 26.7 | 51.7 | 120 |
| 36 | 100 | 66.3 | 31.7 | 58.0 | 130 |

All dimensions for reference only.

# ACA 3106G-B

## straight plug

- **Plug with backshell for heat shrink termination**
- **Does not include grommet and grommet sleeve**




**Inches**

| Shell Size | J ± .008 | K ± .020 | L Max. | Q Max. | Z Min. | BB Max. | JJ ± .008 | KK ± .008 |
|---|---|---|---|---|---|---|---|---|
| 10SL | .138 | .461 | 1.969 | .898 | .303 | .524 | .610 | .669 |
| 14S | .138 | .461 | 1.969 | 1.150 | .417 | .669 | .752 | .791 |
| 16S | .138 | .461 | 1.969 | 1.260 | .531 | .862 | .941 | .925 |
| 16 | .138 | .453 | 2.362 | 1.260 | .531 | .862 | .941 | .925 |
| 18 | .138 | .453 | 2.362 | 1.437 | .575 | .862 | .941 | 1.043 |
| 20 | .138 | .500 | 2.559 | 1.571 | .736 | 1.031 | 1.165 | 1.189 |
| 22 | .138 | .500 | 2.559 | 1.697 | .819 | 1.031 | 1.165 | 1.323 |
| 24 | .138 | .500 | 2.559 | 1.835 | .969 | 1.358 | 1.488 | 1.421 |
| 28 | .138 | .500 | 2.559 | 2.102 | 1.063 | 1.358 | 1.488 | 1.630 |
| 32 | .138 | .598 | 2.756 | 2.366 | 1.311 | 1.717 | 1.882 | 1.913 |
| 36 | .138 | .598 | 3.150 | 2.610 | 1.516 | 1.717 | 1.882 | 2.157 |

**Millimeters**

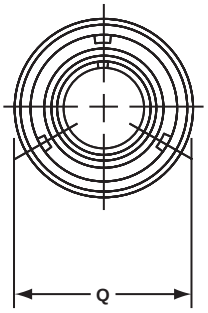
| Shell Size | J ± 0.2 | K ± 0.5 | L Max. | Q Max. | Z Min. | BB Max. | JJ ± 0.2 | KK ± 0.2 |
|---|---|---|---|---|---|---|---|---|
| 10SL | 3.5 | 11.7 | 50 | 22.8 | 7.7 | 13.3 | 15.5 | 17.0 |
| 14S | 3.5 | 11.7 | 50 | 29.2 | 10.6 | 17.0 | 19.1 | 20.1 |
| 16S | 3.5 | 11.7 | 50 | 32.0 | 13.5 | 21.9 | 23.9 | 23.5 |
| 16 | 3.5 | 11.5 | 60 | 32.0 | 13.5 | 21.9 | 23.9 | 23.5 |
| 18 | 3.5 | 11.5 | 60 | 36.5 | 14.6 | 21.9 | 23.9 | 26.5 |
| 20 | 3.5 | 12.7 | 65 | 39.9 | 18.7 | 26.2 | 29.6 | 30.2 |
| 22 | 3.5 | 12.7 | 65 | 43.1 | 20.8 | 26.2 | 29.6 | 33.6 |
| 24 | 3.5 | 12.7 | 65 | 46.6 | 24.6 | 34.5 | 37.8 | 36.1 |
| 28 | 3.5 | 12.7 | 65 | 53.4 | 27.0 | 34.5 | 37.8 | 41.4 |
| 32 | 3.5 | 15.2 | 70 | 60.1 | 33.3 | 43.6 | 47.8 | 48.6 |
| 36 | 3.5 | 15.2 | 80 | 66.3 | 38.5 | 43.6 | 47.8 | 54.8 |

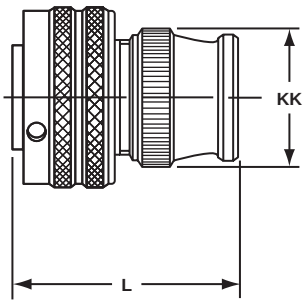
All dimensions for reference only.

# ACA 3106R-B

## straight plug

- **Plug with short endbell for individual wire sealing**
- **Includes grommet and grommet sleeve**




**Inches**

| Shell Size | L Max. | Q Max. | KK Max. |
|---|---|---|---|
| 10SL | 1.417 | .898 | .787 |
| 14S | 1.437 | 1.150 | .945 |
| 16S | 1.437 | 1.260 | 1.024 |
| 16 | 1.929 | 1.260 | 1.024 |
| 18 | 1.929 | 1.437 | 1.161 |
| 20 | 1.969 | 1.571 | 1.299 |
| 22 | 1.969 | 1.697 | 1.417 |
| 24 | 2.008 | 1.835 | 1.543 |
| 28 | 2.008 | 2.102 | 1.811 |
| 32 | 2.087 | 2.366 | 2.028 |
| 36 | 2.106 | 2.610 | 2.283 |

**Millimeters**

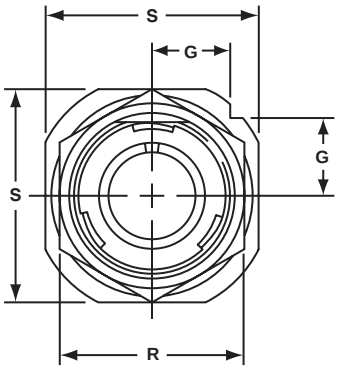
| Shell Size | L Max. | Q Max. | KK Max. |
|---|---|---|---|
| 10SL | 36.0 | 22.8 | 20.0 |
| 14S | 36.5 | 29.2 | 24.0 |
| 16S | 36.5 | 32.0 | 26.0 |
| 16 | 49.0 | 32.0 | 26.0 |
| 18 | 49.0 | 36.5 | 29.5 |
| 20 | 50.0 | 39.9 | 33.0 |
| 22 | 50.0 | 43.1 | 36.0 |
| 24 | 51.0 | 46.6 | 40.0 |
| 28 | 51.0 | 53.4 | 46.0 |
| 32 | 53.0 | 60.1 | 51.5 |
| 36 | 53.5 | 66.3 | 58.0 |

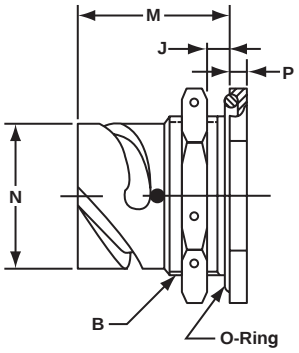
All dimensions for reference only.

# ACA 3107A-B

## jam nut receptacle

- **For rear panel single hole mounting**
- **Panel seal O-ring included**
- **Environment proof**




**Inches**

| Shell Size | B Thread Class 2A | G ± .012 | J Wall Thickness Min. | J Wall Thickness Max. | M ± .012 | N + .000 – .006 | P ± .007 | R ± .016 | S ± .012 |
|---|---|---|---|---|---|---|---|---|---|
| 10SL | .8750-20 UNEF | .441 | .094 | .205 | .965 | .717 | .157 | 1.062 | 1.252 |
| 14S | 1.1250-18 UNEF | .575 | .094 | .295 | 1.055 | .969 | .189 | 1.312 | 1.626 |
| 16S | 1.2500-18 UNEF | .618 | .094 | .295 | 1.055 | 1.079 | .189 | 1.500 | 1.748 |
| 16 | 1.2500-18 UNEF | .618 | .094 | .295 | 1.264 | 1.079 | .189 | 1.500 | 1.748 |
| 18 | 1.3750-18 UNEF | .661 | .094 | .354 | 1.327 | 1.213 | .189 | 1.562 | 1.875 |
| 20 | 1.5000-18 UNEF | .709 | .094 | .358 | 1.327 | 1.346 | .189 | 1.750 | 2.000 |
| 22 | 1.6250-18 UNEF | .795 | .094 | .358 | 1.327 | 1.472 | .189 | 2.000 | 2.134 |
| 24 | 1.7500-18 UNEF | .795 | .094 | .358 | 1.327 | 1.610 | .189 | 2.000 | 2.252 |
| 28 | 2.0000-18 UNS | .886 | .094 | .394 | 1.386 | 1.839 | .220 | 2.188 | 2.500 |
| 32 | 2.2500-16 UN | .972 | .094 | .394 | 1.386 | 2.102 | .220 | 2.438 | 2.748 |
| 36 | 2.5000-16 UN | 1.059 | .094 | .327 | 1.386 | 2.346 | .220 | 2.812 | 3.000 |

**Millimeters**

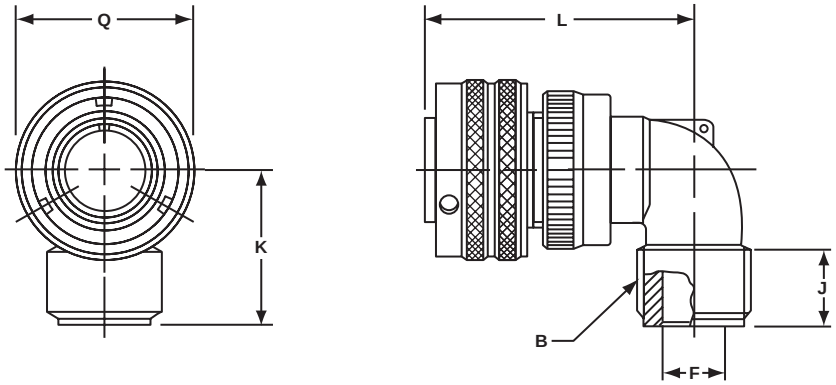
| Shell Size | G ± 0.3 | J Wall Thickness Min. | J Wall Thickness Max. | M ± 0.3 | N + 0.00 – 0.15 | P ± 0.2 | R ± 0.4 | S ± 0.3 |
|---|---|---|---|---|---|---|---|---|
| 10SL | 11.2 | 2.4 | 5.2 | 24.5 | 18.2 | 4.0 | 27 | 31.8 |
| 14S | 14.6 | 2.4 | 7.5 | 26.8 | 24.6 | 4.8 | 33 | 41.3 |
| 16S | 15.7 | 2.4 | 7.5 | 26.8 | 27.4 | 4.8 | 38 | 44.4 |
| 16 | 15.7 | 2.4 | 7.5 | 32.1 | 27.4 | 4.8 | 38 | 44.4 |
| 18 | 16.8 | 2.4 | 9.0 | 33.7 | 30.8 | 4.8 | 40 | 47.6 |
| 20 | 18.0 | 2.4 | 9.1 | 33.7 | 34.2 | 4.8 | 44 | 50.8 |
| 22 | 20.2 | 2.4 | 9.1 | 33.7 | 37.4 | 4.8 | 51 | 54.2 |
| 24 | 20.2 | 2.4 | 9.1 | 33.7 | 40.9 | 4.8 | 51 | 57.2 |
| 28 | 22.5 | 2.4 | 10.0 | 35.2 | 46.7 | 5.6 | 56 | 63.5 |
| 32 | 24.7 | 2.4 | 10.0 | 35.2 | 53.4 | 5.6 | 62 | 69.8 |
| 36 | 26.9 | 2.4 | 8.3 | 35.2 | 59.6 | 5.6 | 71 | 76.2 |

All dimensions for reference only.

# ACA 3108F-B

## 90° angle plug

- **90° plug for angled attachment to panels with rear accessory threads**
- **Includes grommet and grommet sleeve**




**Inches**

| Shell Size | B Thread Class 2A | F Max. | J Min. | K Max. | L Max. | Q Max. |
|---|---|---|---|---|---|---|
| 10SL | .6250-24UNEF | .337 | .370 | 1.181 | 1.772 | .898 |
| 14S | .7500-20UNEF | .462 | .370 | 1.181 | 1.850 | 1.150 |
| 16S | .8750-20UNEF | .587 | .370 | 1.181 | 1.890 | 1.299 |
| 16 | .8750-20UNEF | .587 | .370 | 1.181 | 2.244 | 1.299 |
| 18 | 1.0000-20UNEF | .685 | .370 | 1.378 | 2.283 | 1.437 |
| 20 | 1.1875-18UNEF | .810 | .370 | 1.378 | 2.402 | 1.571 |
| 22 | 1.1875-18UNEF | .915 | .370 | 1.378 | 2.402 | 1.697 |
| 24 | 1.4375-18UNEF | 1.025 | .370 | 1.575 | 2.598 | 1.835 |
| 28 | 1.4375-18UNEF | 1.139 | .370 | 1.575 | 2.598 | 2.102 |
| 32 | 1.7500-18UNS | 1.447 | .433 | 1.772 | 2.835 | 2.366 |
| 36 | 2.0000-18UNS | 1.687 | .496 | 1.969 | 2.953 | 2.610 |

**Millimeters**

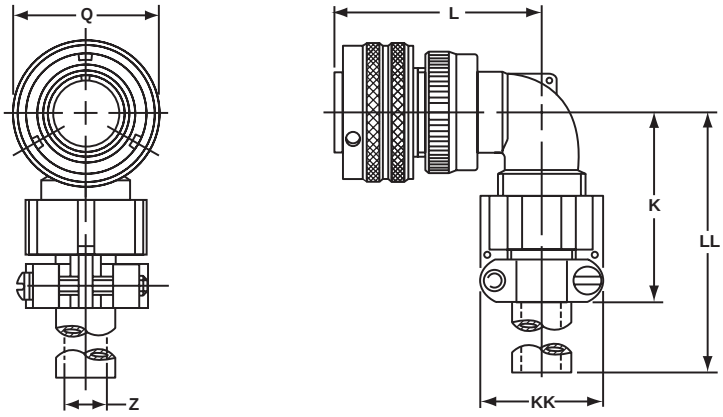
| Shell Size | F Max. | J Min. | K Max. | L Max. | Q Max. |
|---|---|---|---|---|---|
| 10SL | 8.5 | 9.4 | 30 | 45 | 22.8 |
| 14S | 11.7 | 9.4 | 30 | 47 | 29.2 |
| 16S | 14.9 | 9.4 | 30 | 48 | 33.0 |
| 16 | 14.9 | 9.4 | 30 | 57 | 33.0 |
| 18 | 17.4 | 9.4 | 35 | 58 | 36.5 |
| 20 | 20.5 | 9.4 | 35 | 61 | 39.9 |
| 22 | 23.2 | 9.4 | 35 | 61 | 43.1 |
| 24 | 26.0 | 9.4 | 40 | 66 | 46.6 |
| 28 | 28.9 | 9.4 | 40 | 66 | 53.4 |
| 32 | 36.7 | 11.0 | 45 | 72 | 60.1 |
| 36 | 42.8 | 12.6 | 50 | 75 | 66.3 |

All dimensions for reference only.

# ACA 3108E-B

## 90° angle plug

- **90° plug for angled attachment to panels with cable clamp and telescopic bushing**
- **Includes grommet and grommet sleeve**




**Inches**

| Shell Size | K Max. | L Max. | Q Max. | Z Max. | KK Max. | LL Max. |
|---|---|---|---|---|---|---|
| 10SL | 1.654 | 1.772 | .898 | .220 | .894 | 3.937 |
| 14S | 1.654 | 1.850 | 1.150 | .312 | 1.083 | 3.937 |
| 16S | 1.772 | 1.890 | 1.299 | .437 | 1.181 | 3.937 |
| 16 | 1.772 | 2.244 | 1.299 | .437 | 1.181 | 3.937 |
| 18 | 2.087 | 2.283 | 1.437 | .562 | 1.299 | 3.937 |
| 20 | 2.087 | 2.402 | 1.571 | .625 | 1.476 | 3.937 |
| 22 | 2.087 | 2.402 | 1.697 | .625 | 1.476 | 3.937 |
| 24 | 2.283 | 2.598 | 1.835 | .750 | 1.705 | 3.937 |
| 28 | 2.283 | 2.598 | 2.102 | .750 | 1.705 | 3.937 |
| 32 | 2.598 | 2.835 | 2.366 | .937 | 2.061 | 4.331 |
| 36 | 2.717 | 2.953 | 2.610 | 1.250 | 2.283 | 4.331 |

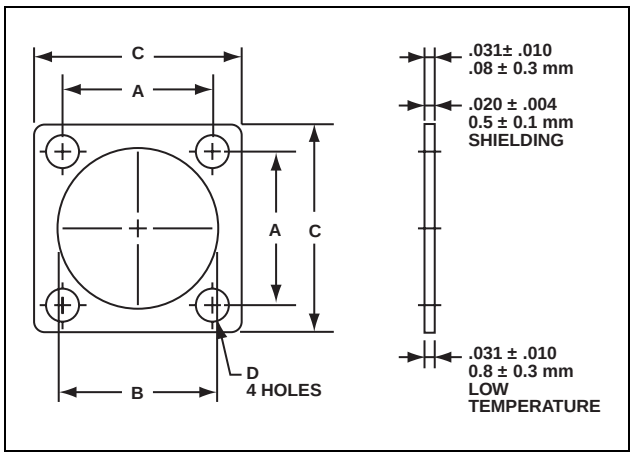
**Millimeters**

| Shell Size | K Max. | L Max. | Q Max. | Z Max. | KK Max. | LL Max. |
|---|---|---|---|---|---|---|
| 10SL | 42 | 45 | 22.8 | 5.58 | 22.7 | 100 |
| 14S | 42 | 47 | 29.2 | 7.92 | 27.5 | 100 |
| 16S | 45 | 48 | 33.0 | 11.09 | 30.0 | 100 |
| 16 | 45 | 57 | 33.0 | 11.09 | 30.0 | 100 |
| 18 | 53 | 58 | 36.5 | 14.27 | 33.0 | 100 |
| 20 | 53 | 61 | 39.9 | 15.87 | 37.5 | 100 |
| 22 | 53 | 61 | 43.1 | 15.87 | 37.5 | 100 |
| 24 | 58 | 66 | 46.6 | 19.05 | 43.3 | 100 |
| 28 | 58 | 66 | 53.4 | 19.05 | 43.3 | 100 |
| 32 | 66 | 72 | 60.1 | 23.79 | 51.7 | 110 |
| 36 | 69 | 75 | 66.3 | 31.75 | 58.0 | 110 |

All dimensions for reference only.

# ACA-B Connectors – accessories

## 10-40450, 10-36675, 10-580649 sealing gaskets



PLAIN FLAT GASKET

The Amphenol® plain flat gasket of synthetic rubber material is provided to take complete advantage of waterproof and pressure sealing features. It is for use with the flange mounted receptacle.

SHIELDING GASKET

This flat gasket is provided to give the maximum in connector performance. Its special feature is in providing the maximum radio shielding under difficult conditions of high receiver sensitivity and low signal strength while retaining the sealing characteristics of the plain gasket. This gasket is for use with the flange mounting receptacle.

LOW TEMPERATURE GASKET

This gasket is provided for applications where the major requirement is resistance to the injurious effects of extremely low temperature. Even at temperatures as low as –67°F this gasket retains its resiliency and will seal a pressure differential of 30 psi.

Additional versions of gaskets are available including low smoke zero halogen, and also high temperature and conductive types. Consult Amphenol Industrial Operations, Sidney NY, for further information.

| Installation Dimensions | | | | | |
|---|---|---|---|---|---|
| MS Shell Size | A ± .010 | Front Panel Versions B + .016 – .000 | Rear Panel Version B + .016 – .000 | C + .016 – .000 | D ± .010 |
| 10SL | .719 | .625 | .724 | 1.000 | .172 |
| 14S | .906 | .875 | .976 | 1.188 | .172 |
| 16S | .969 | 1.000 | 1.087 | 1.281 | .172 |
| 16 | .969 | 1.000 | 1.087 | 1.281 | .172 |
| 18 | 1.063 | 1.125 | 1.220 | 1.375 | .203 |
| 20 | 1.156 | 1.250 | 1.354 | 1.500 | .203 |
| 22 | 1.250 | 1.375 | 1.480 | 1.625 | .203 |
| 24 | 1.375 | 1.500 | 1.618 | 1.750 | .203 |
| 28 | 1.563 | 1.750 | 1.846 | 2.000 | .203 |
| 32 | 1.750 | 2.000 | 2.110 | 2.250 | .219 |
| 36 | 1.938 | 2.188 | 2.354 | 2.500 | .219 |

| Installation Dimensions | | | | | |
|---|---|---|---|---|---|
| MS Shell Size | A ± 0.2 | Front Panel Versions B + 0.4 – 0.0 | Rear Panel Version B + 0.4 – 0.0 | C + 0.4 – 0.0 | D ± 0.2 |
| 10SL | 18.2 | 15.9 | 18.4 | 25.4 | 4.36 |
| 14S | 23.0 | 22.2 | 24.8 | 30.2 | 4.36 |
| 16S | 24.6 | 25.4 | 27.6 | 32.5 | 4.36 |
| 16 | 24.6 | 25.4 | 27.6 | 32.5 | 4.36 |
| 18 | 27.0 | 28.57 | 31.0 | 35.0 | 5.15 |
| 20 | 29.4 | 31.75 | 34.4 | 38.1 | 5.15 |
| 22 | 31.8 | 34.9 | 37.6 | 41.2 | 5.15 |
| 24 | 34.9 | 38.1 | 41.1 | 44.5 | 5.15 |
| 28 | 39.7 | 44.45 | 46.9 | 50.8 | 5.15 |
| 32 | 44.5 | 50.8 | 53.6 | 57.2 | 5.56 |
| 36 | 49.2 | 55.57 | 59.8 | 63.5 | 5.56 |

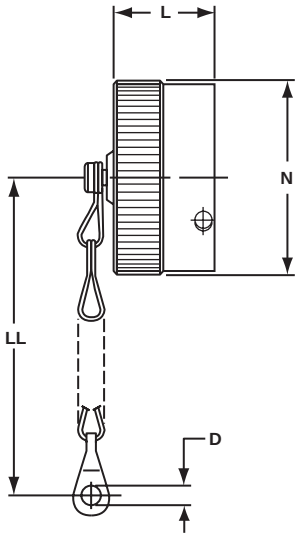
| Order Data for Front Panel Mount Gaskets | | | |
|---|---|---|---|
| Front Panel Plain Version | Front Panel Shielding Version | Front Panel Low Temperature Version | Front Panel Low Smoke ZH Version |
| 10-40450-10 | 10-40450-10S | 10-36675-10 | LS-40450-10 |
| 10-40450-14 | 10-40450-14S | 10-36675-14 | LS-40450-14 |
| 10-40450-16 | 10-40450-16S | 10-36675-16 | LS-40450-16 |
| 10-40450-18 | 10-40450-18S | 10-36675-18 | LS-40450-18 |
| 10-40450-20 | 10-40450-20S | 10-36675-20 | LS-40450-20 |
| 10-40450-22 | 10-40450-22S | 10-36675-22 | LS-40450-22 |
| 10-40450-24 | 10-40450-24S | 10-36675-24 | LS-40450-24 |
| 10-40450-28 | 10-40450-28S | 10-36675-28 | LS-40450-28 |
| 10-40450-32 | 10-40450-32S | 10-36675-32 | LS-40450-32 |
| 10-40450-36 | 10-40450-36S | 10-36675-36 | LS-40450-36 |
| 10-40450-40 | 10-40450-40S | 10-36675-40 | LS-40450-40 |

| Order Data for Rear Panel Mount Gaskets | |
|---|---|
| Rear Panel Plain Version | Rear Panel Low Smoke ZH Version |
| 10-580649-11 | LS-580649-11 |
| 10-580649-14 | LS-580649-14 |
| 10-580649-16 | LS-580649-16 |
| 10-580649-18 | LS-580649-18 |
| 10-580649-20 | LS-580649-20 |
| 10-580649-22 | LS-580649-22 |
| 10-580649-24 | LS-580649-24 |
| 10-580649-28 | LS-580649-28 |
| 10-580649-32 | LS-580649-32 |
| 10-580649-36 | LS-580649-36 |
| 10-580649-40 | LS-580649-40 |

# ACA-B Connectors – accessories

## receptacle protection caps

- **Protective metal caps which seal the front of receptacles**
- **Includes a chain for retention of the cap at the required location**
- **For all ACA( )-B receptacles**




*** 10-580902-XXX**

* To complete order number, add shell size and suffix number. For example, shell size 11 with olive drab cadmium plate would be 10-580902-113.

**Inches**

| Shell Size | D + .020 – .000 | L Max. | N Max. | LL Approx. |
|---|---|---|---|---|
| 10SL | .173 | .700 | .905 | 5.000 |
| 14S | .173 | .700 | 1.181 | 5.000 |
| 16 | .173 | .700 | 1.280 | 5.000 |
| 17 | .173 | .900 | 1.280 | 5.000 |
| 18 | .173 | .900 | 1.457 | 5.000 |
| 20 | .173 | .900 | 1.594 | 5.000 |
| 22 | .173 | .900 | 1.713 | 5.000 |
| 24 | .173 | .900 | 1.850 | 5.000 |
| 28 | .220 | .900 | 2.126 | 7.480 |
| 32 | .261 | .900 | 2.382 | 7.480 |
| 36 | .261 | .900 | 2.638 | 7.480 |

**Millimeters**

| Shell Size | D + 0.5 – 0.0 | L Max. | N Max. | LL Approx. |
|---|---|---|---|---|
| 10SL | 4.4 | 17.8 | 23.0 | 127 |
| 14S | 4.4 | 17.8 | 30.0 | 127 |
| 16 | 4.4 | 17.8 | 32.5 | 127 |
| 17 | 4.4 | 22.9 | 32.5 | 127 |
| 18 | 4.4 | 22.9 | 37.0 | 127 |
| 20 | 4.4 | 22.9 | 40.5 | 127 |
| 22 | 4.4 | 22.9 | 43.5 | 127 |
| 24 | 4.4 | 22.9 | 47.0 | 127 |
| 28 | 5.6 | 22.9 | 54.0 | 190 |
| 32 | 5.6 | 22.9 | 60.5 | 190 |
| 36 | 5.6 | 22.9 | 67.0 | 175 |

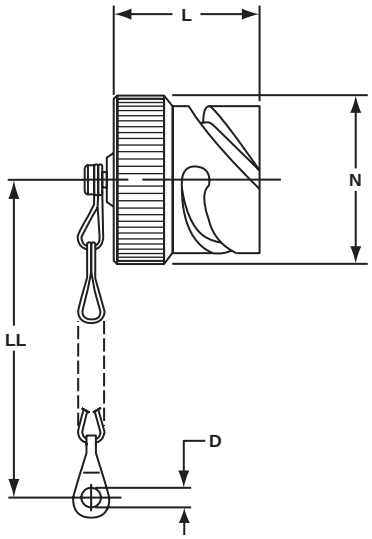
All dimensions for reference only.

| Finish | Suffix |
|---|---|
| Olive drab cadmium plate | -XX3 |
| Electroless nickel | -XXG |
| Black zinc cobalt | -XXY |

# ACA-B Connectors – accessories

## plug protection caps

- **Protective metal caps which seal the front of plugs**
- **Includes a chain for retention of the cap at the required location**
- **For all ACA( )-B plugs**




*** 10-580903-XXX**

* To complete order number, add shell size and suffix number. For example, shell size 11 with olive drab cadmium plate would be 10-580903-113.

**Inches**

| Shell Size | D + .020 – .000 | L Max. | N Max. | LL Approx. |
|---|---|---|---|---|
| 10SL | .157 | .945 | .807 | 5.000 |
| 14S | .157 | .945 | 1.059 | 5.000 |
| 16 | .157 | .945 | 1.169 | 5.000 |
| 17 | .157 | .945 | 1.169 | 5.000 |
| 18 | .157 | .945 | 1.303 | 5.000 |
| 20 | .189 | 1.260 | 1.437 | 5.520 |
| 22 | .189 | 1.260 | 1.563 | 5.520 |
| 24 | .189 | 1.260 | 1.701 | 5.520 |
| 28 | .220 | 1.260 | 1.929 | 7.480 |
| 32 | .261 | 1.260 | 2.193 | 7.480 |
| 36 | .261 | 1.260 | 2.437 | 7.480 |

**Millimeters**

| Shell Size | D + 0.5 – 0.0 | L Max. | N Max. | LL Approx. |
|---|---|---|---|---|
| 10SL | 4.0 | 24 | 20.5 | 127 |
| 14S | 4.0 | 24 | 26.9 | 127 |
| 16 | 4.0 | 24 | 29.7 | 127 |
| 17 | 4.0 | 24 | 29.7 | 127 |
| 18 | 4.0 | 24 | 33.1 | 127 |
| 20 | 4.8 | 32 | 36.5 | 140 |
| 22 | 4.8 | 32 | 39.7 | 140 |
| 24 | 4.8 | 32 | 43.2 | 140 |
| 28 | 4.8 | 32 | 49.0 | 190 |
| 32 | 5.6 | 32 | 55.7 | 190 |
| 36 | 5.6 | 32 | 61.9 | 190 |

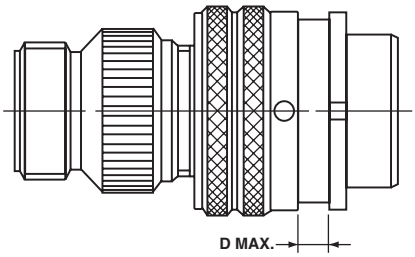
All dimensions for reference only.

| Finish | Suffix |
|---|---|
| Olive drab cadmium plate | -XX3 |
| Electroless nickel | -XXG |
| Black zinc cobalt | -XXY |

# ACA-B Connectors – accessories

## rear mounting data, panel cut-out dimensions, sealing plugs, sealing ranges

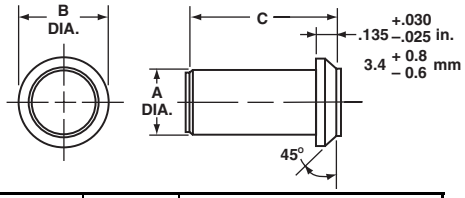
### REAR MOUNTING DATA
### MAXIMUM PANEL THICKNESS




| Size | Dimension D | | | |
|---|---|---|---|---|
| | GT00/020 | | GT030 | |
| | Inches | (mm) | Inches | (mm) |
| 10SL | .146 | 3.70 | .303 | 7.70 |
| 14S | .146 | 3.70 | .303 | 7.70 |
| 16S | .146 | 3.70 | .303 | 7.70 |
| 16 | .145 | 3.70 | .242 | 6.15 |
| 18 | .145 | 3.70 | .303 | 7.70 |
| 20 | .145 | 3.70 | .303 | 7.70 |
| 22 | .145 | 3.70 | .303 | 7.70 |
| 24 | .207 | 5.25 | .303 | 7.70 |
| 28 | .207 | 5.25 | .343 | 8.70 |
| 32 | .241 | 6.10 | .309 | 7.85 |
| 36 | .241 | 6.10 | .309 | 7.85 |

### SEALING PLUG
### 10-405996-XX

Sealing plugs are used to fill unused holes in multi-holed grommet configurations.



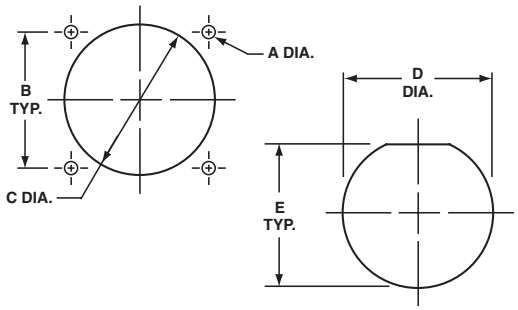

| Order No. | Contact Size | Wire Size | Color Code | Inches | | |
|---|---|---|---|---|---|---|
| | | | | A Dia. ±.010 | B ±.005 | C ±.010 |
| 10-405996-16 | 16 | 20-16 | Blue | .083 | .133 | .564** |
| 10-405996-12 | 12 | 14-12 | Yellow | .121 | .171 | .564** |
| 10-405996-8 | 8 | 10-8 | Red | .185 | .315 | .470 |
| 10-405996-4 | 4 | 4-6 | Blue | .310 | .415 | .470 |
| 10-405996-0 | 0 | 0-2 | Yellow | .440 | .605 | 1.000 |

| Millimeters | | |
|---|---|---|
| A Dia. ± 0.2 | B ± 0.1 | C ± 0.2 |
| 2.1 | 3.4 | 14.3*** |
| 3.1 | 4.3 | 14.3*** |
| 4.7 | 8.0 | 11.9 |
| 7.9 | 10.5 | 11.9 |
| 11.2 | 15.4 | 25.4 |

** ± .020 (in.)  *** ± 0.5 (mm)

### GROMMET HOLE
### SEALING RANGES

| Hole Size | Sealing Range | |
|---|---|---|
| | (mm) | Inches |
| 16 | 1.62 – 3.3 | .064 – .130 |
| 12 | 2.89 – 4.31 | .114 – .170 |
| 8 | 4.16 – 6.47 | .164 – .255 |
| 4 | 6.9 – 9.3 | .272 – .370 |
| 0 | 10.5 – 13.97 | .415 – .550 |




### PANEL CUT-OUT DIMENSIONS

| Shell Size | A Dia. Hole Size | Connector Styles | | | | |
|---|---|---|---|---|---|---|
| | | 02, 020, 00, 030 | Front Mount 02, 00, 020 | Rear Mount 030 | Jam Nut 070 | Jam Nut 070 |
| | | B ±.004 | C Dia. | C Dia. | D Dia. | E |
| 10SL | .126 | .717 | 11/16 | 1 3/4 | 7/8 | .83 |
| 14S | .126 | .906 | 13/16 | 1 | 1 1/8 | 1.08 |
| 16S/16 | .126 | .969 | 15/16 | 1 1/8 | 1 1/14 | 1.21 |
| 18 | .126 | 1.063 | 1 1/16 | 1 1/4 | 1 3/8 | 1.32 |
| 20 | .126 | 1.157 | 1 3/16 | 1 3/8 | 1 1/2 | 1.45 |
| 22 | .126 | 1.252 | 1 5/16 | 1 1/2 | 1 5/8 | 1.57 |
| 24 | .146 | 1.374 | 1 7/16 | 1 5/8 | 1 3/4 | 1.70 |
| 28 | .146 | 1.563 | 1 11/16 | 1 7/8 | 2 | 1.95 |
| 32 | .169 | 1.752 | 1 15/16 | 2 1/8 | 2 1/4 | 2.20 |
| 36 | .169 | 1.937 | 2 1/8 | 2 3/8 | 2 1/2 | 2.45 |

All dimensions for reference only.

# ACA-B Connectors – accessories

## crimp contacts and application tools

Contacts for ACA-B connectors are machined from copper alloys and silver plated for maximum corrosion resistance, with a minimum millivolt drop and a maximum current carrying capacity; the size 16 and 12 socket contacts are of the closed entry design.

**CRIMP CONTACTS**

| CRIMP CONTACT DATA | | | | | | APPLICATION TOOLS | | |
|---|---|---|---|---|---|---|---|---|
| PART NUMBER | | | | | | | | |
| PIN CONTACT | | SOCKET CONTACT | | MATING SIZE | WIRE WELL | Crimp Tools | Positioner/ Die Set | Locator/ Color |
| SILVER | GOLD("D") | SILVER | GOLD("D") | | | | | |
| 10-40553 | 10-597160-15D | 10-597109-161 | 10-597109-16D | 16S | 16-18-20 | Daniels AF8 or Equivalent | TH29-1 or Equivalent | Red |
| 10-606014-40 | 10-597160-40D | 10-597109-401 | 10-597109-40D | | 12-14 | | | |
| 10-606014-221 | 10-597160-19D | 10-597109-191 | 10-597109-19D | | 14-16 | | | |
| 10-606014-291 | 10-597160-34D | 10-597109-341 | 10-597109-34D | | 20-22 | | | |
| 10-606014-46 | 10-597160-46D | 10-597109-461 | 10-597109-46D | | 20-24 | | | |
| 10-40557 | 10-597160-16D | 10-597109-171 | 10-597109-17D | 16 | 16-18-20 | | | Pin - Blue Socket - Green |
| 10-606014-022 | 10-597160-22D | 10-597109-221 | 10-597109-22D | | 12-14 | | | |
| 10-606014-171 | 10-597160-17D | 10-597109-141 | 10-597109-14D | | 14-16 | | | |
| 10-606014-311 | 10-597160-33D | 10-597109-331 | 10-597109-33D | | 20-22 | | | |
| 10-606014-361 | 10-597160-36D | 10-597109-361 | 10-597109-36D | | 20-24 | | | |
| 10-606014-121 | 10-597160-12D | 10-597109-131 | 10-597109-13D | 12 | 12-14 | | | Green |
| 10-606014-231 | 10-597160-23D | 10-597109-231 | 10-597109-23D | | 8-10 | | | |
| 10-606014-251 | 10-597160-26D | 10-597109-261 | 10-597109-26D | | 10-12 | | | |
| 10-606014-271 | 10-597160-27D | 10-597109-271 | 10-597109-27D | | 14-16-18 | | | |
| 10-606014-261 | 10-597160-24D | 10-597109-241 | 10-597109-24D | | 18-20 | | | |
| 10-606014-201 | 10-597160-20D | 10-597109-201 | 10-597109-20D | | 20-22 | | | |
| 10-40792 | 10-597160-8D | 10-40793 | 10-597109-8D | 8 | 8 | Pico 400BHD | Pico 414DA-8N | Pico Pin - 4025 Socket - 4026 |
| 10-606014-41 | 10-597160-41D | 10-597109-411 | 10-597109-41D | | 6 | | | |
| 10-606014-321 | 10-597160-28D | 10-606015-321 | 10-597109-28D | | 10-12 | | | |
| 10-606014-381 | 10-597160-38D | 10-597109-381 | 10-597109-38D | | 12-14 | | | |
| 10-40564 | 10-597160-4D | 10-40565 | 10-597109-4D | 4 | 4 | | Pico 414DA-4N | Pico 4043 |
| 10-606014-58 | 10-597160-58D | 10-597109-581 | 10-597109-58D | | 6 | | | |
| 10-606014-331 | 10-597160-35D | 10-597109-351 | 10-597109-35D | | 8 | | | |
| 10-606014-44 | 10-597160-44D | 10-606015-441 | 10-597109-44D | | 10 | | | |
| 10-581806-000 | 10-597160-1D | 10-581808-000 | 10-597159-1D | 0 | 0 | | Pico 414DA-0N | Pico Pin - 4042-1 Socket - 4042 |
| 10-606014-341 | 10-597160-29D | 10-597109-291 | 10-597109-29D | | 0-2 | | | |
| 10-606014-351 | 10-597160-30D | 10-606015-351 | 10-597109-30D | | 4 | | | |
| 10-597276-48 | 10-597276-48D | 10-606015-48 | 10-597109-48D | 2/0 | 2/0 | Pico 500 | Pico 514DA2/0N | Pico Pin - 6490 |
| 10-597276-47 | 10-597276-47D | 10-606015-47 | 10-597109-47D | 4/0 | 4/0 | | Pico 514DA4/0N | Socket - 6491 |

See page 52 for further contact information applicable to both crimp and solder contacts.

Additional contact variations including thermocouple and RADSOK® power contacts are available; consult Amphenol Industrial, Sidney, NY for information.

# ACA-B Connectors – accessories
## application tools

When proprietary crimp contacts are employed rather than the standard MS approved solder contacts, the following application tools are recommended for use. There is a possibility of additional crimping tools other than those included being available at present or in the future for this specific application.

Complete instructions for providing reliable crimped wire to contact terminations and inserting proprietary crimp contacts in ACA-B series connectors are available in publication L-757.

TOOLING CHART

| Contact Size | Contact Style | Insertion Tool | Removal Tool |
|---|---|---|---|
| 16 | Pin & Socket | 11-7345 | 11-8250 Kit |
| 12 | Pin & Socket | 11-7082 | 11-8250 Kit |
| 8 | Pin & Socket | 11-8220 | 11-8250 Kit |
| 4 | Pin & Socket | 11-7365-4† | Pin 11-7370-4†<br>Socket 11-7674-2† |
| 0 | Pin & Socket | 11-7365-5† | Pin 11-7370-5†<br>Socket 11-7674-3† |

*Use Daniels Turret TH29-1 or Astro Tool Co. Turret 616266
**For appropriate crimp tool and positioner refer to Pico Crimping Tool Co.
† Tools used with Arbor press 11-7364

# ACA-B Connectors – accessories
## solder contacts

Machined copper alloy contacts in a full range of sizes, with closed entry socket design in the size 12 and 16 contacts. A heavy silver-plated finish is deposited on all MS style solder contacts for maximum corrosion resistance, maximum current carrying capacity and low millivolt drop. (See how to order, Connector Modification, page 53).

| Part Number | Pin/ Socket | Mating End Size | Wire Barrel Size | Allowable Wire Size | Test Current** Amps |
|---|---|---|---|---|---|
| 10-040569-000 | Pin | 16 Short† | 16 | 16<br>18<br>20<br>22 | 13<br>10<br>7.5<br>5 |
| 10-597107-171 | Socket | | | | |
| 10-040599-000 | Pin | 16 Long | 16 | 16<br>18<br>20<br>22 | 13<br>10<br>7.5<br>5 |
| 10-597107-171 | Socket | | | | |
| 10-033646-000 | Pin | 12 | 12 | 12<br>14 | 23<br>17 |
| 10-597107-131 | Socket | | | | |
| 10-035531-000 | Pin | 8 | 8 | 8<br>10 | 46<br>33 |
| 10-035532-000 | Socket | | | | |
| 10-035529-000 | Pin | 4 | 4 | 4<br>6 | 80<br>60 |
| 10-035530-000 | Socket | | | | |
| 10-035527-000 | Pin | 0 | 0 | 0<br>1<br>2 | 150<br>125<br>100 |
| 10-035528-000 | Socket | | | | |

** Contact ratings as stated are test ratings only. The connector may not withstand full rated current through all contacts continuously. Please note that the electrical data given is not an establishment of electrical safety factors. This is left entirely in the designer's hands as he can best determine which peak voltage, switching surges, transients, etc. can be expected in a particular circuit.

† The 10SL, 14S and 16S connectors require short contacts.

### Table I
### MIL-SPEC CONTACT ARRANGEMENT SERVICE RATING

| MS Service Rating | Recommended Operating Voltage* at Sea Level | | Effective Creepage Distance Nom. | Mechanical Spacing Nom. |
|---|---|---|---|---|
| | DC | AC (RMS) | | |
| Inst. | 250 | 200 | 1/16 | |
| A | 700 | 500 | 1/8 | 1/16 |
| D | 1250 | 900 | 3/16 | 1/8 |
| E | 1750 | 1250 | 1/4 | 3/16 |
| B | 2450 | 1750 | 5/16 | 1/4 |
| C | 4200 | 3000 | 1 | 5/16 |

* The values listed in Table I represent operating values which include a generous safety factor. It may be necessary for some applications to exceed the operating voltages listed here. If this is necessary, designers will find Table II useful for determining the degree to which the recommended values of Table I can be exceeded.

### Table II
### ALTITUDE VOLTAGE DERATING** CHART

| MS Service Rating | Nominal Distance | | Standard Sea Level Conditions | | Pressure Altitude † 50,000 Feet | | Pressure Altitude † 70,000 Feet | |
|---|---|---|---|---|---|---|---|---|
| | Airspace | Creepage | 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) |
| Inst. | 1/32 | 1/16 | 1400 | 1000 | 550 | 400 | 325 | 260 |
| A | 1/16 | 1/8 | 2800 | 2000 | 800 | 600 | 450 | 360 |
| D | 1/8 | 3/16 | 3600 | 2800 | 900 | 675 | 500 | 400 |
| E | 3/16 | 1/4 | 4500 | 3500 | 1000 | 750 | 550 | 440 |
| B | 1/4 | 5/16 | 5700 | 4500 | 1100 | 825 | 600 | 480 |
| C | 5/16 | 1 | 8500 | 7000 | 1300 | 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.

# Amphenol® ACA-B Connectors

## how to order, connector intermateability

**Part Number System**
**(example part number shown)**

| ACA | 3100 | E | 10SL-3 | P | W | B | (F80) |
|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |

**1. Connector Series**
ACA designates Amphenol® ACA-B Reverse Bayonet Series

**2. Shell Style**
3100 - Wall mount receptacle for front panel mounting
3101 - Cable connecting receptacle
3102 - Box mount receptacle (Class E only, see sect. 3)
3103 - Wall mount receptacle for rear panel mounting
3106 - Straight plug
3107 - Jam nut receptacle - rear panel mount (Class A only, see sect. 3)
3108 - 90° angle plug

**3. Connector Class**
A Environmental, no rear threads (Applies to 3107 only)
E Environmental resisting, with grommet seal and strain relief backshell
F Environmental resisting, with grommet seal and solid backshell with rear accessory threads
G Backshell for heat shrink termination
R Environmental resisting with lightweight endbell

**4. Shell Size and Insert Arrangement**
See pages 2-4 for insert availability charts, and pages 6-24 for insert pattern drawings.

**5. Contact Style**
P designates pin contacts
S designates socket contacts
Note: standard contacts are silver plated. Consult Connector Modification for ordering gold plated contacts.

**6. Alternate Position**
W, X, Y and Z - See page 5.
No suffix required for normal position.

**7. Designation for Reverse Bayonet**
B designates Reverse Bayonet coupling shells

**8. Connector Modification**
Omit for standard olive drab connectors with solder type silver plated contacts.
For a modification as listed below, add suffix in parenthesis to the end of the part number. Consult Amphenol Industrial Operations for further description or assistance.

(RDS) with Radsock contacts
(F80) with AWG crimp contacts
(FO) less contacts. (contacts are to be ordered separately)
(A176) gold contacts
(T00) metric threads in flange holes
(RFI) grounded - plug only
(F42) less grommet and backshell
(F85) less sleeve and grommet
(A23) electroless nickel plating
(A232) with black zinc cobalt plating

**MATEABILITY WITH IDENTICAL CONTACT ARRANGEMENTS**

| Connector Style | Mateable with Style |
|---|---|
| ACA3100 | ACA 3106, 3108 |
| ACA3101 | ACA 3106, 3108 |
| ACA3102 | ACA 3106, 3108 |
| ACA3103 | ACA 3106, 3108 |
| ACA3106 | ACA 3100, 3101, 3102, 3103, 3107 |
| ACA3107 | ACA 3106, 3108 |
| ACA3108 | ACA 3100, 3101, 3102, 3103, 3107 |

This catalog is on the Amphenol website:
**www.amphenol-industrial.com.**

See **www.amphenol-industrial.com** and **www.amphenol-aerospace.com** for the broad range of interconnection products offered by Amphenol.

**Amphenol Corporation**
**Amphenol Aerospace**
**Amphenol Industrial Operations**
40-60 Delaware Avenue
Sidney, NY 13838-1395
Phone:607-563-5011
1-800-678-0141
Fax: 607-563-5157
Web: www.amphenol-aerospace.com
Web: www.amphenol-industrial.com

## SALES OFFICES

**Amphenol Corporation**
**Amphenol Aerospace**
**Amphenol Industrial Operations**
23276 South Pointe Drive
Suite 113
Laguna Hills, CA 92653
Phone:949-855-4454
1-800-678-0141
Fax: 949-855-9115

**Amphenol Corporation**
**Amphenol Aerospace**
**Amphenol Industrial Operations**
2010 Corporate Ridge
McLean, VA 22101
Phone:1-800-678-0141

**Amphenol Industrial Operations**
**Amphenol Power Solutions**
34190 Riviera Drive
Fraser, MI 48026
Phone: 586-294-7400
Fax: 586-294-7402
www.radsok.com

**Amphenol Pcd**
72 Cherry Hill Drive
Beverly, MA 01915
Phone: 978-532-8800
Fax: 978-532-6800
Web: www.amphenolpcd.com

**Advanced Circuit Technology**
118 Northeastern Boulevard
Nashua, NH 03062
Phone: 603-880-6000
Fax: 603-880-1785
Web: www.act.flexcircuit.com

**Amphenol Canada Corp.**
605 Milner Ave.
Toronto, Ontario M1B 5X6
Canada
Phone:416-291-4401
Fax: 416-292-0647
Web: www.amphenolcanada.com

## AUTHORIZED AMPHENOL DISTRIBUTORS

**Corporate Headquarters**
**ALPHABETICAL LISTING**

**APD (All Product Distributors):**

Arrow Electronics — Englewood, CO
800-777-2776
www.arrow.com

Avnet EMG — Dallas, TX
800-332-8638
www.avnet.com

PEI Genesis — Philadelphia, PA
888-642-8750
www.peigenesis.com

Powell Electronics — Logan Township, NJ
800-235-7880
www.powell.com

TTI Inc. — Fort Worth, TX
800-225-5884
www.ttiinc.com

## AUTHORIZED AMPHENOL INDUSTRIAL DISTRIBUTORS

**Corporate Headquarters**
**ALPHABETICAL LISTING**

Argo International — New Orleans, LA
Phone: 504-733-4500 or 800-242-2746
www.argointl.com

Gaffney-Kroese Electric — Rahway, NJ
Phone: 732-850-4418
www.gaffney-kroese.com

Geophysical Electrical Supply Co. — Houston, TX
Phone:713-645-5999
www.geosco.com

Hillcrest Enterprises — Ashland, VA
Phone: 800-848-3106 or 804-798-8390
www..hillcrestenterprises.com

ITI Marine & Oilfield PTE, Ltd. — Singapore
Phone: (65) 6266-6666
www.itimarine,com

Norton Electric Wholesale — Los Angeles, CA
Phone: 323-222-7181
www.nortonelectric.com

Offshore Marine — Houston, TX
Phone: 800-506-9473
www.amercable.com

PEI Genesis — Hampshire, UK
Phone: 44 8707 202560

Steck Connections — Ontario, Canada
Phone: 905-608-2444
www.steckconnections.com

Steiner Electric — Elk Grove Village, IL
Phone: 847-956-3700
www.steinerelectric.com

Technor ASA — Stavanger, Norway
Phone: 47 51 84 4100
www.technor.no

Wholesale Electric — Houston, TX
Phone: 713-748-6100
www.whoesaleelectric.com

**Disadvantaged/Minority Distributors:**

Cherokee Nation Dist. — Stilwell, OK
918-696-2777

Electro Enterprises — Oklahoma City, OK
800-324-6591

JRH Electronics — Marlton, NJ
800-467-9309

## INTERNATIONAL

### Latin America

**ARGENTINA**
**Amphenol Argentina**
Avenida Callao 930
2nd floor Office B Plaza
C1023AAP Buenos Aires, Argentina
Phone: (54 11) 48 15 68 86
Fax: (54 11) 48 14 57 79
E-mail: ventas@amphenol.com.ar

**BRAZIL**
**Amphenol do Brasil Ltda.**
Rua Diogo Moreira 132
CEP 05423-010
Sao Paulo - SP, Brazil
Phone: (55-11) 3815.1003
Fax: (55-11) 3815.1629
E-mail: vendas@amphenol.com.br

**MEXICO**
**Amphenol Mexico**
Prolongacion Reforma 61-6 B2
Col. Paseo de las Lomas
C.P. 01330 Mexico D.F., Mexico
Phone: (52-55) 5258.9984
Fax: (52-55) 5081.6890
E-mail: info@amphenolmexico.com

### Europe

**ENGLAND**
**Amphenol Limited**
Thanet Way, Whitstable
Kent CT5 3JF, United Kingdom
Phone: (44-1-227) 773200
Fax: (44-1-227) 276571
Web: www.amphenol.co.uk

**FRANCE**
**Amphenol Socapex**
Promenade de l'Arve, BP29
Thyez 74301 948 Cedex, France
Phone: (33-4) 50892800
Fax: (33-4) 5096-1941
Web: www.amphenol-socapex.com

**GERMANY**
**Amphenol-Tuchel Elect. GmbH**
August-Haeusser Strasse 10
Postfach 1110
74001 Heilbronn, Germany
Phone: (49-7131) 929 0
Fax: (49-7131) 929 414
Web: www.amphenol-tuchel.com

**GERMANY**
**Amphenol-Air LB GmbH**
Am Kleinbahnhof 4
D-66740 Saarlouis, Germany
Phone: (49-6831) 9810-87
Fax: (49-6831) 9810-30
Web: www.amphenol-airlb.com

**ITALY & REST OF EUROPE**
**Amphenol Italia S.p.A.**
Via Barbaiana 5
20020 Lainate (Milano), Italy
Phone: 39-02-932541
Fax: 39-02-93254444
E-mail: info@amphenol-it.com

### Middle East / Africa

**ISRAEL**
**Bar-Tec Ltd.**
3 Hagavish St., P.O.B. 279
Kfir-Barkan Bldg., East Indust. Zone
Kfar Sava 44102, Israel
Phone: (972-9) 764.4100
Fax: (972-9) 7674324
E-mail: www.bar-tec.com

**SOUTH AFRICA**
**Amphenol South Africa**
30 Impala Road
2196 Sandton - Chislehurston
South Africa
Tel: (27-11) 783-9517
Fax: (27-11) 783-9519
E-mail: amphenol_africa@csi.com

**TURKEY**
**Amphenol Turkiye**
Ayazaga Mah. Meydan Sk. No. 28
Beybi Giz Plaza, Kat. 26 Maslak
34396 Istanbul
Phone: 90 (212) 335 25 01
Fax: 90 (212) 335 25 00
Web:www.amphenol.com.tr
E-mail: saracolglu@amphenol.com.tr

### Asia / Pacific

**AUSTRALIA**
**Amphenol Australia Pty Ltd**
2 Fiveways Blvd. Keysborough
Melbourne, Victoria 3173
Australia
Phone: 613 8796 8888
Fax: 613 8796 8801
E-mail: info@amphenol.com.au

**RUSSIA**
**Amphenol Russia Office**
8-2 Yaroslavskaja Str.
129164 Moscow, Russia
Phone: 7495 937 634
E-mail: russia@amphenol.com

**CHINA**
**Amphenol Aerospace China Office**
Phone: +607-563-4060
E-mail: ChinaSales@amphenol-aao.com

**INDIA**
**Amphenol Interconnect India, Pvt, Ltd.**
105 Bhosari Industrial Area
Pune, 411 026, India
Phone: (91-20) 27120 481
Fax: (91-20) 27120 581
E-mail: sales@amphenol-in.com

**JAPAN**
**Amphenol Japan Mil Aero & Industrial**
471-1, Deba, Ritto-city
Shiga 520-3041, Japan
Phone: 81-77553-8501
Fax: 81-77551-2200

**KOREA**
**Amphenol Aerospace Korea Office**
Phone: +607-563-4061
E-mail: KoreaSales@amphenol-aao.com

**SOUTHEAST ASIA**
**Amphenol Aerospace SouthEast Asia Office**
Phone: +607-563-4062
E-mail: SouthEastAsiaSales@amphenol-aao.com

**TAIWAN**
**Amphenol Aerospace Taiwan Office**
Phone: +607-563-4063
E-mail: TaiwanSales@amphenol-aao.com

Notice: Specifications are subject to change without notice. Contact your nearest Amphenol Corporation Sales Office for the latest specifications. All statements, information and data given herein are believed to be accurate and reliable but are presented without guarantee, warranty, or responsibility of any kind expressed or implied. Statements or suggestions concerning possible use of our products are made without representation or warranty that any such use is free of patent infringement and are not recommendations to infringe any patent. The user should not assume that all safety measures are indicated or that other measures may not be required. Specifications are typical and may not apply to all connectors.

©2008 Amphenol Corp. Printed in U.S.A. JCP 4/2008