

**AIBC/ACA-B SERIES CONNECTORS**

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

**ACA 3106 E 18 1 S X B - F80**

**SERIES**

ACA Circular Connector Family

**SHELL STYLES**

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

**CONNECTOR CLASS**

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

**SHELL SIZE**

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

**CONNECTOR MODIFICATION**

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

**REVERSE BAYONET COUPLING**

**ALTERNATE ROTATION**

W, X, Y, and Z  
 No suffix required for normal position  
 ⇨ See pages 75-85 for valid alternate insert position (*rotation*)

**CONTACTTYPE**

- P - Pin
- S - Socket

**CONNECTOR ARRANGEMENT**

⇨ See pages 64-74 for layouts by number of contacts

**MATEABILITY WITH IDENTICAL CONTACT ARRANGEMENTS**

CONNECTOR STYLE	MATEABLE WITH STYLE
ACA 3100	ACA3106/ ACA3108
ACA 3101	ACA3106/ ACA3108
ACA 3102	ACA3106/ ACA3108
ACA 3103	ACA3106/ ACA3108
ACA 3105	ACA3106/ ACA3108
ACA 3106	ACA3101/ ACA3102/ ACA3103
ACA 3108	ACA3101/ ACA3102/ ACA3103

**Use the AIB/GT Series part numbering system on ⇨ pages 62-63 whenever possible.**