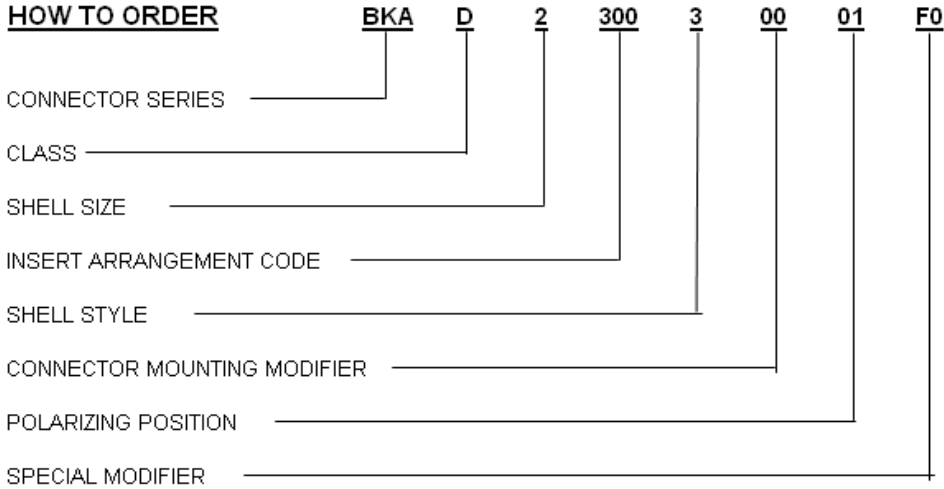


# BKA CONNECTOR SERIES

## HOW TO ORDER



## CONNECTOR SERIES

**BKA** - Rack & Panel Connector per ARINC 600 Requirements  
(Standard shell finish: Alodine 1200)

**NOTE: AN "R" AFTER THE CONNECTOR SERIES WOULD MEAN SUPPLIED WITH RoHS COMPLIANT FINISH**

## CLASS

- C SEMI-ENVIRONMENTAL**  
Connector contains removable inserts with sealing grommets.  
Inserts accommodate rear release-rear removable crimp contact.  
Plug connector shells are supplied without peripheral o-ring seals.
- D NON-ENVIRONMENTAL**  
Connector contains removable inserts without sealing grommets.  
Inserts accommodate rear release-rear removable crimp contacts.
- E ENVIRONMENTAL**  
Connector contains non-removable inserts with sealing grommets, bonded in the shell.  
Inserts accommodate rear release-rear removable crimp contacts.  
Plug connector shells are supplied with peripheral o-ring seals.
- F FRONT RELEASE; NON-ENVIRONMENTAL (RECEPTACLE CONNECTORS ONLY)**  
Connector contains removable inserts without sealing grommets.  
Insert arrangements with size 22 contact cavities, e.g. 100, 150, 121, 59, accommodate front release-front removable solder post or wrap post contacts.  
Insert arrangements without size 22 contact cavities, e.g. 5W2, 13W2, 34, accommodate rear release-rear removable crimp contacts.
- X FRONT RELEASE; NON-ENVIRONMENTAL (RECEPTACLE CONNECTORS ONLY)**  
Connector contains removable inserts without sealing grommets.  
All inserts in the connector accommodate front release-front removable solder post or wrap post contact.

## SHELL SIZE

- Size 1 Accommodates Maximum 160 Size 22 Contacts
- Size 2 Accommodates Maximum 400 Size 22 Contacts
- Size 3 Accommodates Maximum 800 Size 22 Contacts

## INSERT ARRANGEMENT CODE

See INSERT ARRANGEMENT CODES or consult factory when new INSERT ARRANGEMENT CODE is required

## SHELL STYLE

- 3** Plug (Mounts on the Rack)
- 4** Receptacle (Mounts on the LRU)

## CONNECTOR MOUNTING MODIFIER

## BKA CONNECTOR SERIES

- 00** PLUG AND RECEPTACLE CONNECTORS  
.148 dia. connector mounting holes. This is a Standard Configuration
- 01** PLUG AND RECEPTACLE CONNECTORS  
With #6 (.138) - 32 ESNA clinch nuts (See Table for quantities)
- 02** SIZE 1 RECEPTACLE CONNECTORS ONLY  
Standard Configuration with three PWB mounting lugs machined off
- 03** PLUG AND RECEPTACLE CONNECTORS  
With #4 (.112) - 40 ESNA clinch nuts (See Table for quantities)
- 08** SIZE 2 AND 3 PLUG AND RECEPTACLE CONNECTORS ONLY  
With #4 (.112) - 40 ESNA clinch nuts in all connector mounting holes (See Table for quantities)
- 09** SIZE 2 AND 3 PLUG AND RECEPTACLE CONNECTORS ONLY  
With #6 (.138) - 32 ESNA clinch nuts in all connector mounting holes (See Table for quantities)
- 12** SIZE 2 PLUG AND RECEPTACLE CONNECTORS ONLY  
With six #4 (.112) clinch nuts (PEM #KFS2-440)
- 17** RECEPTACLE CONNECTORS ONLY  
Standard Configuration with .0008-.0012 thick nickel plated shells. Metallic inserts, if supplied are also nickel plated.
- 22** PLUG CONNECTORS ONLY  
Standard Configuration with .0008-.0012 thick nickel plated shell.  
The shell is provided with an EMI/Grounding spring.  
Metallic inserts, if supplied, are selectively plated - I.D. Silver; O.D. Nickel over Silver.  
The contact retaining/grounding clips are gold plated.
- 23** PLUG AND RECEPTACLE CONNECTORS  
With floating eyelets (.048 min. radial float) in four corner connector mounting holes.
- 24** PLUG CONNECTORS ONLY  
With #4 (.112) - 40 ESNA clinch nuts (See Table for quantities)  
and with .0008-.0012 thick nickel plated shells, but without EMI/Grounding springs.
- 25** RECEPTACLE CONNECTORS ONLY  
01 mod with #6 (.138) - 32 ESNA clinch nuts (See Table for quantities) and .0008-.0012 thick nickel plated shell.
- 33** PLUG CONNECTORS ONLY  
Standard Configuration with .0008-.0012 thick nickel plated shells, but without EMI/Grounding spring
- 34** PLUG CONNECTORS ONLY  
Standard Configuration with .0008-.0012 thick nickel plated shells, but without EMI/Grounding spring  
and #6-32 clinch nuts installed as in mod code -01.

**Note: Contact factory if other mounting modifiers are required**

| Mounting Modifier  | Shell Size | Quantity of Clinch Nuts |            |
|--------------------|------------|-------------------------|------------|
|                    |            | Plug                    | Receptacle |
| 01, 03, 24, 25, 34 | 1          | 4                       | 4          |
|                    | 2          | 4                       | 6          |
|                    | 3          | 8                       | 10         |
| 08, 09             | 1          | 4                       | 4          |
|                    | 2          | 8                       | 10         |
|                    | 3          | 12                      | 14         |

### POLARIZING POSITIONS

- Blank** Polarizing hardware is supplied with the connector, but is not installed.
- 00** Polarizing hardware is not supplied with the connector
- 01-216** Polarizing hardware is installed in positions per ARINC 600

### SPECIAL MODIFIER

- Blank** Connector is supplied with full complement of power and signal crimp contacts.  
Coax, Quadrax, Triax, or Twinax contacts are not supplied.
- F0** Connector is supplied without contacts **F0** is not marked on the connector
- F00** Connector is supplied without contacts and without waveguide **F00** is not marked on the connector

- S\*** RECEPTACLE CONNECTORS ONLY  
Connector is supplied with full complement of signal (size 22) and power contacts per ARINC 600.  
Coax, Quadrax, Triax, or Twinax contacts are not supplied.  
BKAF - Signal contacts (size 22) are front release, front removable with solder post termination  
Power contacts are rear release, rear removable with crimp termination  
BKAX - Signal contacts (size 22) are front release, front removable with solder post termination  
Power contacts are front release, front removable with solder post termination

## BKA CONNECTOR SERIES

| Contacts supplied uninstalled | Contacts supplied installed | Solder Post | Solder Post | Size 22 Contact Part Number |
|-------------------------------|-----------------------------|-------------|-------------|-----------------------------|
|                               |                             | Dia.        | Extension   | Receptacle                  |
| <b>SA</b>                     | <b>SE</b>                   | 0.025       | 0.150       | 031-1352-000                |
| <b>SB</b>                     | <b>SF</b>                   | 0.025       | 0.250       | 031-1352-001                |
| <b>SC</b>                     | <b>SG</b>                   | 0.025       | 0.375       | 031-1352-002                |
| <b>SD</b>                     | <b>SH</b>                   | 0.025       | 0.500       | 031-1352-003                |

**W\***

### RECEPTACLE CONNECTORS ONLY

Connector is supplied with full complement of signal (size 22) and power contacts per ARINC 600. Coax, Quadrax, Triax, or Twinax contacts are not supplied.

BKAF ONLY - Signal contacts (size 22) are front release, front removable with wrap post termination  
Power contacts are rear release, rear removable with crimp termination

| W* | Wrap Post Square | Wrap Post Extension | Size 22 Contact Part Number |
|----|------------------|---------------------|-----------------------------|
|    |                  |                     | Receptacle                  |
| WA | 0.025            | .250                | 031-1351-000                |
| WB | 0.025            | .375                | 031-1351-001                |
| WC | 0.025            | .500                | 031-1351-002                |