

Amphenol BACC 5015 Series Connectors



BOEING CERTIFIED 5015'S BRING HIGH PERFORMANCE TO UNIQUE AIRCRAFT CHALLENGES

BACC connectors are qualified to Boeing specifications to satisfy general-purpose requirements and unique product challenges for shielding, environmental sealing, fluid resistance, and vibration.

The Amphenol BACC 5015 series connectors use rear-release crimp contacts with a retention clip. These Amphenol connectors fill the gap between older MIL-DTL-5015s and the environmental and higher-performance demands of new technologies. They are sealed to withstand moisture, condensation, vibration and flash-over. Numerous layouts are available in arrangements that allow for just power, just signal, or a mix of both contact types. For more on the BACC 5015 series connectors including how to order, see the specifications details below.

CREATE PART NUMBER BACC63CD & CE

| | | | | | | |
|--------------------|-------------------|--------------------|---------------|----------------|-----------------|-----------------|
| 1 | 2A | 3 | 2B | 4 | 5 | 6 |
| BACC63CE | 18 | - | 4 | P | W | H |
| SHELL STYLE | SHELL SIZE | CABLE CLAMP | LAYOUT | CONTACT | ROTATION | MODIFIER |

WHEN CHOOSING LAYOUT

First Number = Step 2A – Shell Size, Dash = Step 3 – Cable Clamp, Second Number = 2B – Layout

STEP 1: SELECT SHELL STYLE, PLUG OR RECEPTACLE

RECEPTACLES

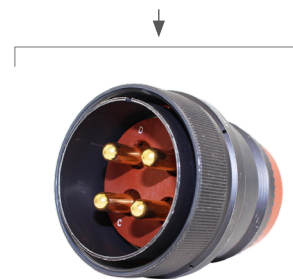


BACC63CD

Front Mount Square Flange

Mates with

PLUGS



BACC63CE

Plug

STEP 2A & 2B: SELECT SHELL SIZE – LAYOUT

| LAYOUT | TOTAL NUMBER | CONTACTS | | | | | ROTATIONS | | | | SERVICE RATING |
|--------|--------------|----------|----|----|---|---|-----------|-----|-----|-----|----------------|
| | | 16S | 16 | 12 | 8 | 4 | W | X | Y | Z | |
| 12S-3 | 2 | 2 | | | | | 70 | 145 | 215 | 290 | A |
| 14S-2 | 4 | 4 | | | | | - | 120 | 240 | - | I |
| 14S-5 | 5 | 5 | | | | | - | 110 | - | - | I |
| 14S-7 | 3 | 3 | | | | | 90 | 180 | 270 | - | A |
| 18-4 | 4 | | 4 | | | | 35 | 110 | 250 | 325 | D |
| 20-4 | 4 | | | 4 | | | 45 | 110 | 250 | - | D |
| 22-2 | 3 | | | | 3 | | 70 | 145 | 215 | 290 | D |
| 22-22 | 4 | | | | 4 | | - | 110 | 250 | - | A |
| 24-9 | 2 | | | | | 2 | 35 | 110 | 250 | 325 | A |
| 24-10 | 7 | | | | 7 | | 80 | - | - | 280 | A |
| 24-11 | 9 | | | 6 | 3 | | 35 | 110 | 250 | 325 | A |
| 24-22 | 4 | | | | 4 | | 45 | 110 | 250 | - | D |
| 28-22 | 6 | | 3 | | | 3 | 70 | 145 | 215 | 290 | D |
| 32-17 | 4 | | | | | 4 | 45 | 110 | 250 | - | D |

STEP 3: SELECT CABLE CLAMP



- = No Cable Clamp

A = BACC10HV
Straight Cable Clamp

B = BACC10HW
Right Angle Cable Clamp

STEP 4: SELECT CONTACT



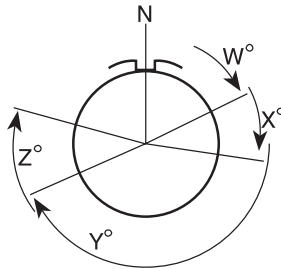
P = Pin **S** = Socket

STEP 5: SELECT ROTATION



See chart in steps 2A & 2B (omit for normal)

W, X, Y, Z



STEP 6: SELECT MODIFIER



H = Without contacts and Seal Plugs
Note: H is not marked on part

BLANK = With contacts and Seal Plugs

LAYOUTS BY NUMBER OF CONTACTS

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

LAYOUT
 # OF CONTACTS
 SERVICE RATING



12S-3
 2-#16S
 A



14S-2
 4-#16S
 I



14S-5
 5-#16S
 I

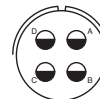
LAYOUT
 # OF CONTACTS
 SERVICE RATING



14S-7
 3-#16S
 A

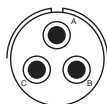


18-4
 4-#16
 D

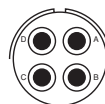


20-4
 4-#12
 D

LAYOUT
 # OF CONTACTS
 SERVICE RATING



22-2
 3-#8
 D

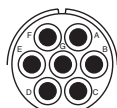


22-22
 4-#8
 A

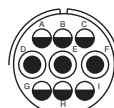


24-9
 2-#4
 A

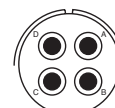
LAYOUT
 # OF CONTACTS
 SERVICE RATING



24-10
 7-#8
 A

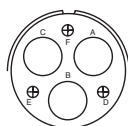


24-11
 6-#12, 3-#8
 A

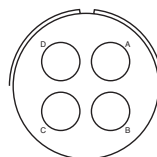


24-22
 4-#8
 D

LAYOUT
 # OF CONTACTS
 SERVICE RATING



24-11
 6-#12, 3-#8
 A



32-17
 4-#4
 D