

AEROFLITE

ENTERPRISES, INC.

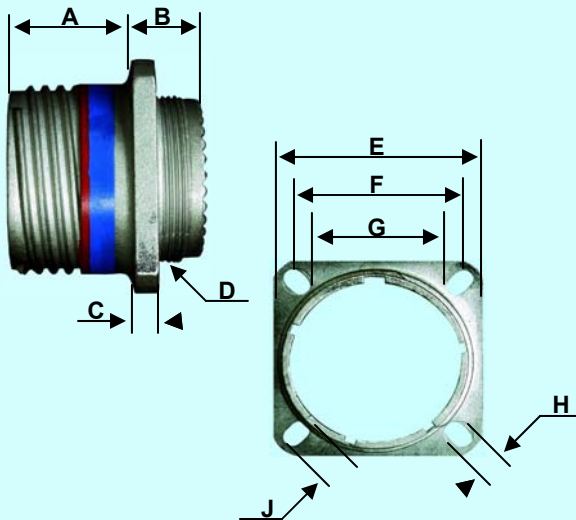
261 Gemini Avenue, Brea, CA 92821

Boeing BACC63** Connectors

- HIGH DENSITY FROM 1 TO 128 CONTACTS
- 100% SCOOP PROOF
- EMI SHIELDING UP TO 65dB AT 10 Ghz
- QUICK CONNECT/DISCONNECT COUPLING

High density, high reliability BACC63** connectors from Souriau are available in composite and Stainless steel materials. The BACC63** connectors are designed for the harshest environments and feature an anti-decoupling mechanism for improved performance under severe vibration conditions. The BACC63** connectors are available for Being specific applications involving signal, fiber optics, PC Tails, coax, Twinax & Ouadrax contacts.

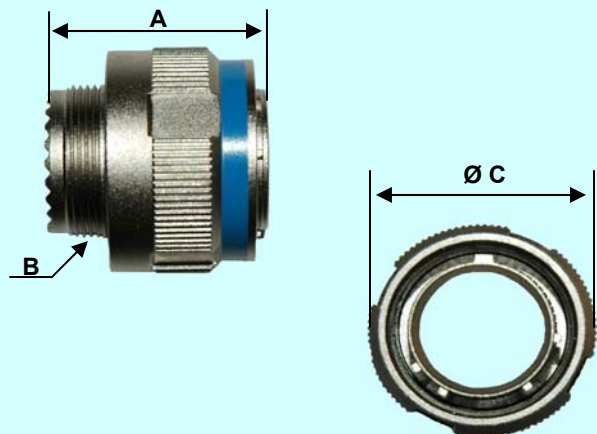
BACC63CU or BACC63DC
Sq Flange Receptacle



Shell Size	MS Shell Size	A Max	B Max	C Max	D Thread	E	F	G	H	J
9	A	20.90 .823	10.60 .417	2.50 .098	M 12x 1-6g	23.80 .937	18.26 .719	15.09 .594	3.25 .128	5.49 .216
11	B	20.90 .823	10.60 .417	2.50 .098	M 15x 1-6g	26.20 1.031	20.62 .812	18.26 .719	3.25 .128	4.93 .194
13	C	20.90 .823	10.60 .417	2.50 .098	M 18x 1-6g	28.60 1.126	23.01 .906	20.62 .812	3.25 .128	4.93 .194
15	D	20.90 .823	10.60 .417	2.50 .098	M 22x 1-6g	31.00 1.220	24.61 .969	23.01 .906	3.25 .128	4.39 .173
17	E	20.90 .823	10.60 .417	2.50 .098	M 25x 1-6g	33.30 1.311	26.97 1.062	24.62 .969	3.25 .128	4.93 .194
19	F	20.90 .823	10.60 .417	2.50 .098	M 28x 1-6g	36.50 1.437	29.36 1.156	26.97 1.062	3.25 .128	4.93 .194
21	G	20.10 .791	10.40 .449	3.20 .126	M 31x 1-6g	39.70 1.563	31.75 1.250	29.36 1.156	3.25 .128	4.93 .194
23	H	20.10 .791	10.40 .449	3.20 .126	M 34x 1-6g	42.90 1.689	34.93 1.375	31.75 1.250	3.91 .154	6.15 .242
25	J	20.10 .791	10.40 .449	3.20 .126	M 37x 1-6g	46.00 1.811	38.10 1.500	34.93 1.375	3.91 .154	6.15 .242

Shell Size	MS Shell Size	A Max	B Thread	C Max
9	A	31.00 1.220	M 12x 1-6g	21.80 .858
11	B	31.00 1.220	M 15x 1-6g	25.00 .984
13	C	31.00 1.220	M 18x 1-6g	29.40 1.157
15	D	31.00 1.220	M 22x 1-6g	32.50 1.280
17	E	31.00 1.220	M 25x 1-6g	35.70 1.406
19	F	31.00 1.220	M 28x 1-6g	38.50 1.516
21	G	31.00 1.220	M 31x 1-6g	41.70 1.642
23	H	31.00 1.220	M 34x 1-6g	44.90 1.768
26	J	31.00 1.220	M 37x 1-6g	48.00 1.890

BACC63CT or BACC63DB
Straight Plug



For More Information Contact AeroFlite Enterprises, Inc.

(714)773-4251 ♦ sales@aeroflite.com ♦ Fax: (714)773-4973

Boeing BACC63** Connectors

CHARACTERISTICS

MECHANICAL:

Shell: Composite or Stainless Steel
Plating: Composite - 12µm Electroless NI over 3 - 12µm CU
 Stainless—Passivated per AMS-QQ-P-35
Insulator: Thermoplastic or Thermoset
Elastomers: Silicone

Contact Plating: Gold over Nickel
Endurance: Stainless - 500 Cycles, Composite - 1,500 Cycles
Shock: Stainless - per MIL-S-901, Composite per EN2591 D2
Vibration: Sine: 60 g's with Temperature Cycling, Random: 44.1 gmh High Temp
Retention: Size 22 - 45N; Size 20 - 67N; Size 16, 12 & 8 - 111N

ELECTRICAL:

Test Voltage (Vrms)		
Service	Sea Level	21,000 m
M	1300	800
N	1000	600
I	1800	1000
II	2300	1000

Contact Resistance / Rating			
Size	Resistance	IR	Rating
22D	14.6 mΩ	≥5000 MΩ - 500Vdc	5A
20	7.3 mΩ		7.5A
16	3.8 mΩ		13A
12	1.7 mΩ		23A
8	3 mΩ		48A

Finish	Shell Continuity	Shielding
NI Plated	3 mΩ	90 db at 100 GHz
Stainless	1 mΩ	-50db to 10000 MHz

ENVIRONMENTAL:

Climatic

Temperature Range
 - -65° C + 200° C

Sealing

- Altitude & Immersion per MIL-DTL-38999

Salt Spray

- Stainless - MIL-STD-1344 / 1001, Composite - 2,000 hrs

Damp Heat

- MIL-DTL-38999 - 10 Cycles, 24hrs

Fluid Resistance to MIL-DTL-38999

- Gasoline: JP5 (OTAN F44)
- Mineral Hydraulic Fluid: MIL-H-5606 (OTAN H515)
- Synthetic Hydraulic Fluid: Skydrol 500 B4, LD4 (SAE AS 1241)
- Mineral Lubricating: MIL-L-7870A (OTAN 0142)
- Synthetic Lubricating: MIL-L-23699 (OTAN 0156) MIL-L-7808
- Cleaning Fluid: MIL-C-25769 (Diluted)
- De-Icing Fluid: MIL-A-8243
- Extinguishing Fluid: Chlorobromethane
- Cooling Fluid: Coolanol

FOR ADDITIONAL DATA, CONTACT AEROFLITE ENTERPRISES, INC.

HOW TO ORDER

BACC63CT 15 - 19 P N H

Series _____

BACC63CT - Straight Plug, NI Plated Composite
 BACC63CU - Receptacle, NI Plated Composite
 BACC63DB - Plug, Stainless Steel
 BACC63DC - Receptacle, Stainless Steel

Shell Size _____

09, 11, 13, 15, 17, 19, 21, 23 & 25

Separator _____

Per BACC63**

Insert Arrangement _____

Consult AeroFlite Enterprises, Inc.

Contact Type _____

P - Pin
 S - Socket

Key Position _____

Consult AeroFlite Enterprises, Inc.

Ordering Option _____

H - Less Contacts & Sealing Plug
 (Note: Not marked on connector)
 Blank - With Contacts & Sealing Plug

NOTE: PLUGS & RECEPTACLES ARE SUPPLIED WITH DUST COVERS INSTALLED

MISCELLANEOUS DATA

Contact Information:

Pin contacts per BACC47GC
 Socket contacts per BACC47GD
 Quadrax pins per BACC47GM
 Quadrax sockets per BACC47GN
 Sealing plugs per MS27488

COAX, TWINAX & QUADRAX CONTACT ARE PURCHASED SEPARATELY

Note: BACC63 connectors with Coax, Twinax or Quadrax contacts should not be used in high temperature applications.**

BACC63** connectors will accommodate most contacts and accessory hardware commonly used with MIL-DTL-38999 Series III connectors. For specific acceptable hardware & material combinations, contact:

AEROFLITE ENTERPRISES, INC.

CONSULT AEROFLITE FOR DUST CAPS & ACCESSORIES

Backshells 8D 102 F 02

Series _____ Backshell Type

Size - 09 11 13 15 17 19 21 23 25 01 - Backnut

Index - 101 102 103 104 105 107 108 109 02 - Straight Cable Clamp

Plating _____ 03 - 90° Cable Clamp

F = Electroless Nickel 13 - B/S for Shrink Sleeve

Corporate Office Brea, CA	Asia-Pacific Singapore	Northwest & W. Canada Seattle, WA	Mexico / Latin & South America Miami, FL	Southeast Atlanta, GA	Northeast & E. Canada Toronto, ON
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