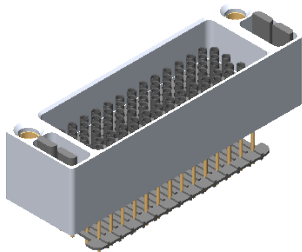


LOW INSERTION FORCE, HIGH DENSITY LRM Brush Connectors



Backplane connector BR1-002 Staggered-Grid, Single-Bay, Standard Width



Single-bay backplane connector shown with compliant-pin contact organizer

HOW TO ORDER					
Sample Part Number	BR1-002	X	-XX	-X	X
Basic Part Number	LRM backplane connector, staggered-grid, single-bay, standard width				
Connector Size	A = 80 Position B = 108 Position C = 152 Position D = 180 Position and Mixed				
Insert Config	XX: See Insert Arrangements				
Termination Style	S = Compliant				
Termination Stickout	C = .157±.020 D = .217±.020 E = .317±.020				

NOTES

- Brush contact compliant termination finish is gold plate per ASTM B488 .000050 minimum thick over nickel per QQ-N-290 .000050 minimum thick.
- Marking: "Glenair", "06324", part number and date code. Location optional.
- Four Polarizing keys and two retaining ring, shown assembled, are supplied with the connector packaged in a separate plastic bag. Retaining rings are not reusable and must be replaced when re-keying the connector.
- For Size D connector part numbers, with mixed insert configs, request sales drawing from Glenair.
- For mating module connector see drawing BR1-001.

MIXED CONNECTOR EXAMPLE

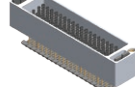
DUAL MT
108 DIGITAL



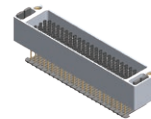
BR1-002A
80 DIGITAL
INSERT CONFIG



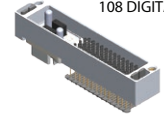
BR1-002B
108 DIGITAL
INSERT CONFIG



BR1-002C
152 DIGITAL
INSERT CONFIG



BR1-002D
180 DIGITAL
INSERT CONFIG



BR1-002D
DIGITAL AND MIXED
INSERT CONFIG

INSERT CONFIGURATIONS TABLE		
Connector Size A • Digital Contacts	Connector Size D • Coax and Mixed Arrangements	
A1 80 Digital	E1 8 GPPO / 108 Digital	J1 Dual MT / 108 Digital
Connector Size B • Digital Contacts	E2 108 Digital / 8 GPPO	J2 108 Digital / Dual MT
B1 108 Digital	F1 10 GPPO / 80 Digital	K1 #22 270 VDC / 108 Digital
B2 108 Digital	F2 80 Digital / 10 GPPO	K2 108 Digital / #22 270 VDC
Connector Size C • Digital Contacts	G1 22 GPPO	K3 #16 270 VDC / 108 Digital
C1 152 Digital	G2 22 GPPO	K4 108 Digital / #16 270 VDC
Connector Size D • Digital Contacts	H1 6 Power / 108 Digital	K5 PIS, 40A, #8 / 108 Digital
D1 180 Digital	H2 108 Digital / 6 Power	K6 108 Digital / PIS, 40A, #8
D2 180 Digital	Refer to Insert Arrangements, High Density, Staggered Grid on page 3 for illustrations of each Insert Config	

PLATED THRU HOLE DIMENSIONS

Suggested PTH Dimensions for Compliant Contacts	
Drilled Hole	.0282 -.0296 (0.72 - 0.75)
Copper Underplating Thickness	.0010 - .0020 (0.03 - 0.05)
Tin/Lead Plating Thickness	.0003 -.0006 (0.01 - 0.02)
Finished PTH Diameter	.023 -.027 (0.58 - 0.69)

LOW INSERTION FORCE, HIGH DENSITY LRM Brush Connectors



Backplane connector BR1-002 Staggered-Grid, Single-Bay, Standard Width

