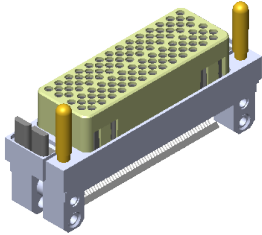


LOW INSERTION FORCE, HIGH DENSITY LRM Brush Connectors



Module connector BR1-001 Staggered-Grid, Single-Bay, Standard Width

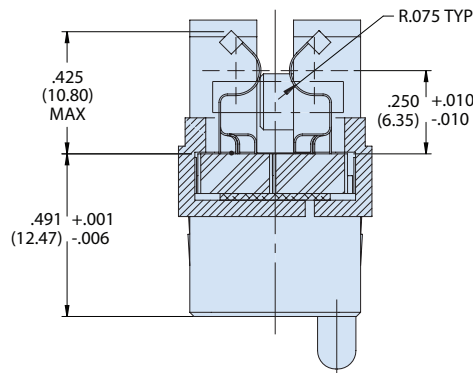
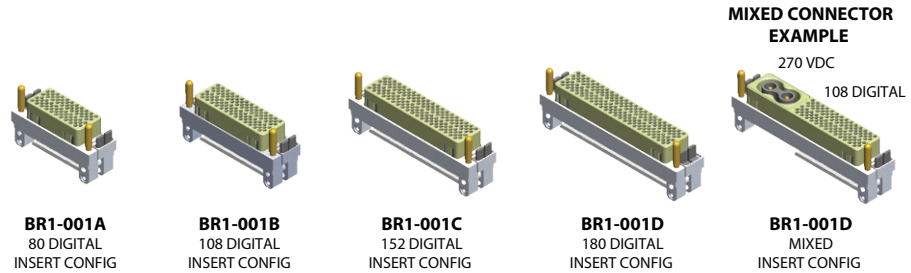


Single-bay module connector shown with straddle-mount (gull wing) surface-mount terminations

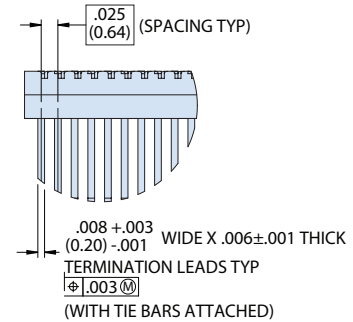
HOW TO ORDER					
Sample Part Number	BR1 - 001	X	-XX	-X	X
Basic Part Number	LRM module connector, staggered-grid, single-bay, standard width				
Connector Size	A = 80 Position B = 108 Position C = 152 Position D = 180 Position and Mixed				
Insert Config	See Insert Arrangements				
Heat Sink Thickness and Dimension ZZ	Heat Sink Thickness	Dimension ZZ			
	±.005	±.0025			
	1 .125	.222x5			
	2 .100	.2350			
	3 .075	.2475			
	4 .062	.2540			
Board Package Thickness	1 = .090-.130	2 = .130-.190	3 = .190-.250	4 = .060-.100	

NOTES

- Brush contact termination leads finish: tin/lead SN60 or SN63
- Marking: "Glenair", "06324", part number and date code. Location optional.
- Rear surface of inserts are sealed in brush contact area only. Contacts are not removable.
- Configuration of termination leads varies with board package thickness
- Three (3) connector mounting screws are supplied with the connector
- 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 configurations, request sales drawing from Glenair.
- Indicated dimension is to point of electrical engagement.
- Noted dimensions apply when connector is mounted to selected heat sink thickness.
- For mating backplane connector see drawing BR1-002.



SECTION A-A



DETAIL B

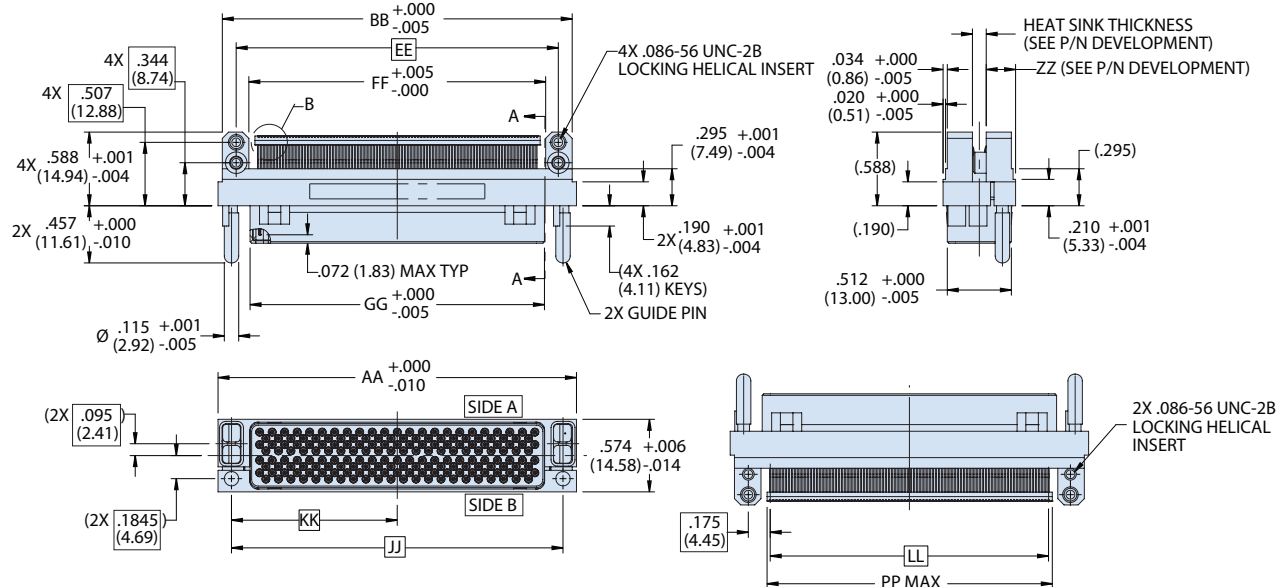
INSERT CONFIGURATIONS TABLE		
Connector Size A • Digital Contacts	Connector Size D • Coax and Mixed Arrangements	
A1 80 Digital	E1 8 GPPO / 108 Digital	J1 Dual MT / 108 Digital
Connector Size B • Digital Contacts	E2 108 Digital / 8 GPPO	J2 108 Digital / Dual MT
B1 108 Digital	F1 10 GPPO / 80 Digital	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	

LOW INSERTION FORCE, HIGH DENSITY LRM Brush Connectors



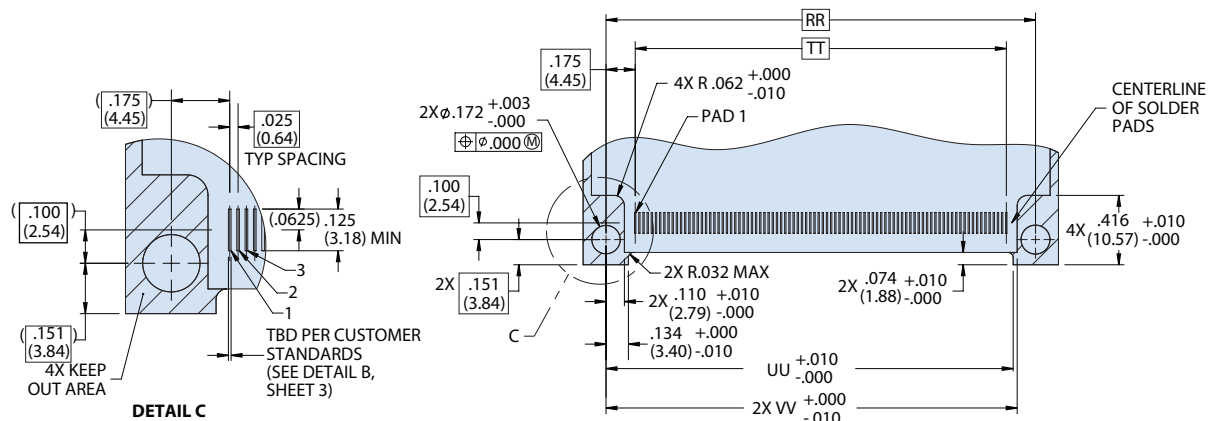
Module connector BR1-001 Staggered-Grid, Single-Bay, Standard Width

CONNECTOR DIMENSIONS



Connector Part Number	AA	BB	EE	FF	GG	JJ	KK	LL	PP
BR1-001A	1.615 (41.02)	1.547 (39.29)	1.325 (33.65)	1.123 (28.52)	1.103 (28.02)	1.400 (35.56)	.700 (17.78)	.975 (24.76)	1.050 (26.67)
BR1-001B	1.965 (49.91)	1.897 (48.18)	1.675 (42.55)	1.473 (37.41)	1.453 (36.91)	1.750 (44.45)	.875 (22.23)	1.325 (33.65)	1.400 (35.56)
BR1-001C	2.515 (63.88)	2.447 (62.15)	2.225 (56.52)	2.023 (51.38)	2.003 (50.88)	2.300 (58.42)	1.150 (29.21)	1.875 (47.63)	1.950 (49.53)
BR1-001D	2.865 (72.77)	2.797 (71.04)	2.575 (65.41)	2.373 (60.27)	2.353 (59.77)	2.650 (67.31)	1.325 (33.65)	2.225 (56.52)	2.300 (58.42)

PC BOARD/HEAT SINK INTERFACE DIMENSIONS



CONNECTOR SIZE	RR	TT	UU	VV
BR1-001A	1.325 (33.65)	.975 (24.76)	1.191 (30.25)	1.215 (30.86)
BR1-001B	1.675 (42.55)	1.325 (33.65)	1.541 (39.14)	1.565 (39.75)
BR1-001C	2.225 (56.52)	1.875 (47.63)	2.091 (53.11)	2.115 (53.72)
BR1-001D	2.575 (65.41)	2.225 (56.52)	2.441 (62.00)	2.465 (62.61)

Note: Table is applicable to all connector sizes with digital insert configs only. For PC board/heat sink interface dimensions for assigned Size D part numbers with mixed insert configs, refer to individual sales drawings to be requested from Glenair.