

# FCI PCB Mezzanine Connectors

RoHS Compliant This product is RoHS compliant.

## BERGSTAK® 0.80MM HIGH DENSITY STACKING CONNECTORS

**Features:**

- Broad range of sizes
- Broad range of PCB stack heights; 5mm-16mm
- Blade-on-beam contacts allow peeling & prevent stubbing
- Surface mount w/polarization pegs
- Contact area plating: 8µ" (.20um) gold over nickel
- Current rating: .5A

\*PCB stack height = receptacle height + plug height -3.4mm

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	No. of Positions	Height *	Price Each			
					1	25	100	250
<b>Receptacles</b>								
649-61082-041400LF	61082-041400LF	A	40	3.70mm	3.37	3.10	2.84	2.55
649-61082-041402LF	61082-041402LF	A	40	3.70mm	3.53	2.75	2.45	2.38
649-61082-042400LF	61082-042400LF	A	40	7.70mm	3.08	2.66	2.38	2.31
649-61082-042402LF	61082-042402LF	A	40	7.70mm	3.65	2.82	2.50	2.44
649-61082-043400LF	61082-043400LF	A	40	11.70mm	3.27	2.56	2.31	2.23
649-61082-043402LF	61082-043402LF	A	40	11.70mm	3.43	2.74	2.34	2.30
649-61082-061400LF	61082-061400LF	A	60	3.70mm	3.79	3.55	3.10	3.00
649-61082-062400LF	61082-062400LF	A	60	7.70mm	3.89	3.46	3.18	3.09
649-61082-063400LF	61082-063400LF	A	60	11.70mm	3.97	3.76	3.24	3.15
649-61082-081402LF	61082-081402LF	A	80	3.70mm	5.92	5.04	4.30	4.15
649-61082-101400LF	61082-101400LF	A	100	3.70mm	5.23	4.40	3.26	3.16
649-61082-102400LF	61082-102400LF	A	100	7.70mm	5.10	4.40	3.94	3.81
649-61082-102402LF	61082-102402LF	A	100	7.70mm	6.50	4.22	3.78	3.71
649-61082-103400LF	61082-103400LF	A	100	11.70mm	5.16	4.35	3.71	3.45
649-61082-141400LF	61082-141400LF	A	140	3.70mm	6.48	4.93	4.38	4.31
649-61082-143400LF	61082-143400LF	A	140	11.70mm	7.75	6.69	5.64	5.63
649-61082-181400LF	61082-181400LF	A	180	3.70mm	7.99	6.71	4.95	4.81
649-61082-183400LF	61082-183400LF	A	180	11.70mm	7.27	6.13	5.54	5.20
<b>Plugs</b>								
649-61083-042400LF	61083-042400LF	B	40	5.70mm	2.92	2.67	2.53	2.39
649-61083-042402LF	61083-042402LF	B	40	5.70mm	3.88	3.31	2.83	2.73
649-61083-043400LF	61083-043400LF	B	40	6.70mm	3.22	2.92	2.63	2.56
649-61083-043402LF	61083-043402LF	B	40	6.70mm	3.41	2.79	2.49	2.46
649-61083-044400LF	61083-044400LF	B	40	7.70mm	3.55	3.26	2.95	2.87
649-61083-061402LF	61083-061402LF	B	60	4.70mm	3.81	3.26	2.73	2.72
649-61083-062400LF	61083-062400LF	B	60	5.70mm	3.88	3.65	3.30	3.12
649-61083-063400LF	61083-063400LF	B	60	6.70mm	3.89	3.57	3.26	2.93
649-61083-084400LF	61083-084400LF	B	80	7.70mm	4.56	4.32	3.94	3.82
649-61083-101400LF	61083-101400LF	B	100	4.70mm	4.68	3.02	2.75	2.72
649-61083-104400LF	61083-104400LF	B	100	7.70mm	4.65	3.91	3.55	3.33
649-61083-104402LF	61083-104402LF	B	100	7.70mm	5.70	4.88	4.13	4.01
649-61083-142400LF	61083-142400LF	B	140	5.70mm	6.50	5.60	5.02	4.87
649-61083-143400LF	61083-143400LF	B	140	6.70mm	6.67	5.76	5.15	4.99
649-61083-181400LF	61083-181400LF	B	180	4.70mm	7.35	6.36	5.30	4.72
649-61083-184400LF	61083-184400LF	B	180	7.70mm	7.43	6.32	5.41	4.94

## CONAN™ 1.0MM (.039") HIGH DENSITY STACKING CONNECTORS

**Features:**

- Robust high retention connection performs well in mobile applications
- Click sound verifies successful mating
- Blade-on-Beam contacts prevent stubbing
- Contact area plating: 38um PdNi
- Surface-Mount
- Current rating: 1A per contact
- PCB stack height determined by plug height
- Options for 4.5mm, 5.0mm and 6.0mm stack heights also available
- Tube-packaged options are listed; tape-on-reel packaging also available
- RoHS Compliant per FCI documentation

MOUSER STOCK NO.	FCI Part No.	Fig.	No. of Positions	Height	Price Each			
					1	25	100	250
<b>Vertical Receptacles with Orientation Posts</b>								
649-91930-21109LF	91930-21109LF	C	9	---	1.83	1.68	1.53	1.43
649-91930-21111LF	91930-21111LF	C	11	---	1.88	1.78	1.59	1.50
649-91930-21115LF	91930-21115LF	C	15	---	2.18	2.01	1.84	1.72
649-91930-21121LF	91930-21121LF	C	21	---	2.35	2.02	1.66	1.62
649-91930-21125LF	91930-21125LF	C	25	---	3.17	2.86	2.55	2.44
649-91930-21131LF	91930-21131LF	C	31	---	3.15	2.89	2.64	2.38
649-91930-21141LF	91930-21141LF	C	41	---	4.00	3.27	2.72	2.43
649-91930-21169LF	91930-21169LF	C	69	---	6.31	5.79	5.28	4.02
<b>Vertical Plugs with Orientation Posts</b>								
649-91910-21109LF	91910-21109LF	D	9	4.15mm	1.60	1.47	1.34	1.26
649-91910-21509LF	91910-21509LF	D	9	7.00mm	2.41	2.21	2.01	1.88
649-91910-21511LF	91910-21511LF	D	11	7.00mm	1.74	1.39	1.20	1.16
649-91910-21515LF	91910-21515LF	D	15	7.00mm	2.00	1.84	1.69	1.61
649-91910-21121LF	91910-21121LF	D	21	4.15mm	2.23	2.05	1.88	1.75
649-91910-21521LF	91910-21521LF	D	21	7.00mm	2.44	2.24	2.00	1.91
649-91910-21525LF	91910-21525LF	D	25	7.00mm	2.07	2.00	1.81	1.66
649-91910-21131LF	91910-21131LF	D	31	4.15mm	2.91	2.51	2.22	2.04
649-91910-21531LF	91910-21531LF	D	31	7.00mm	2.91	2.51	2.22	2.04
649-91910-21541LF	91910-21541LF	D	41	7.00mm	3.51	3.12	2.50	2.39
649-91910-21551LF	91910-21551LF	D	51	7.00mm	3.92	3.42	3.13	2.96
649-91911-31169LF	91911-31169LF	D	69	4.15mm	2.61	2.40	2.19	1.98

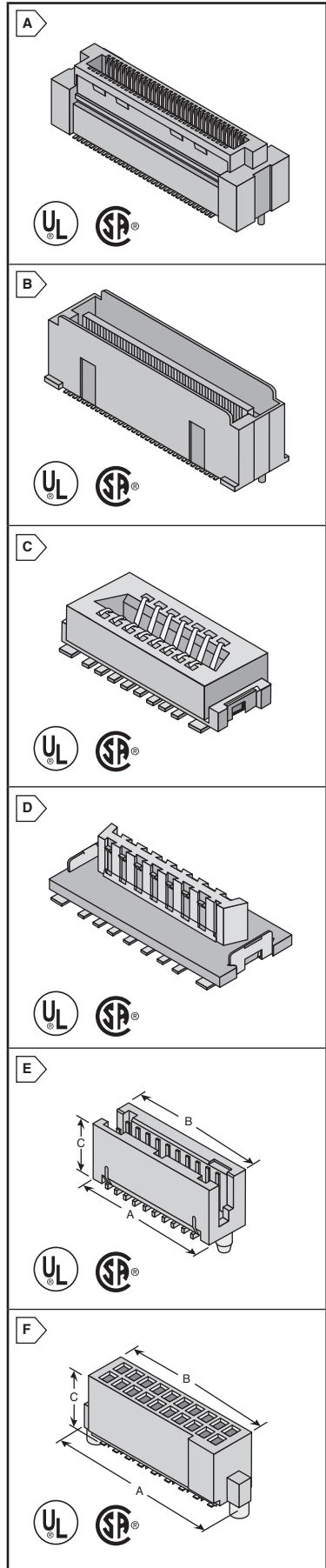
## RIB-CAGE™ 1.27MM (0.050") TOLERANT STACKING CONNECTORS

**Features:**

- Exclusive Rib-Cage™ multi-point, gold plated receptacle contacts optimize reliability in shock-prone and high vibration applications
- Polarization prevents mis-mating
- Mated pair offered provides PCB stack height of 6.42mm
- 1.0A DC current rating
- Contact area plating: 0.76um gold/GXT over nickel

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	No. of Pos.	Dimensions: in (mm)			Price Each			
				A	B	C	1	25	100	250
<b>Vertical SMT Headers</b>										
649-87409-110LF	87409-110LF	E	20	0.622 (15.80)	0.525 (13.34)	0.226 (5.74)	1.40	1.29	1.18	1.10
649-87409-115LF	87409-115LF	E	30	0.872 (22.15)	0.775 (19.68)	0.226 (5.74)	1.94	1.78	1.62	1.52
649-87409-120LF	87409-120LF	E	40	1.122 (28.50)	1.025 (26.03)	0.226 (5.74)	2.60	2.26	2.00	1.93
649-87409-125LF	87409-125LF	E	50	1.372 (34.85)	1.275 (32.38)	0.226 (5.74)	3.16	2.62	2.41	2.30
<b>Vertical SMT Receptacles</b>										
649-87024-610LF	87024-610LF	F	20	0.620 (15.748)	0.516 (13.106)	0.187 (4.75)	1.72	1.44	1.14	1.10
649-87024-615LF	87024-615LF	F	30	0.870 (22.098)	0.766 (19.456)	0.187 (4.75)	2.60	2.06	1.76	1.73
649-87024-620LF	87024-620LF	F	40	1.120 (28.448)	1.016 (25.806)	0.187 (4.75)	2.97	2.73	2.49	2.34
649-87024-625LF	87024-625LF	F	50	1.370 (34.798)	1.266 (32.156)	0.187 (4.75)	3.96	3.92	3.60	3.28



FCI Rectangular Connectors