

FCI Metral® 2.00mm and High Speed Backplane Connectors FCI

RoHS Compliant This product is RoHS compliant.

METRAL® 2.00MM MODULAR INTERCONNECT SYSTEM

Mix low and high speed signal modules. Mix signal and power modules. Designed in accordance with IEC 61076-4-104.

Specifications:

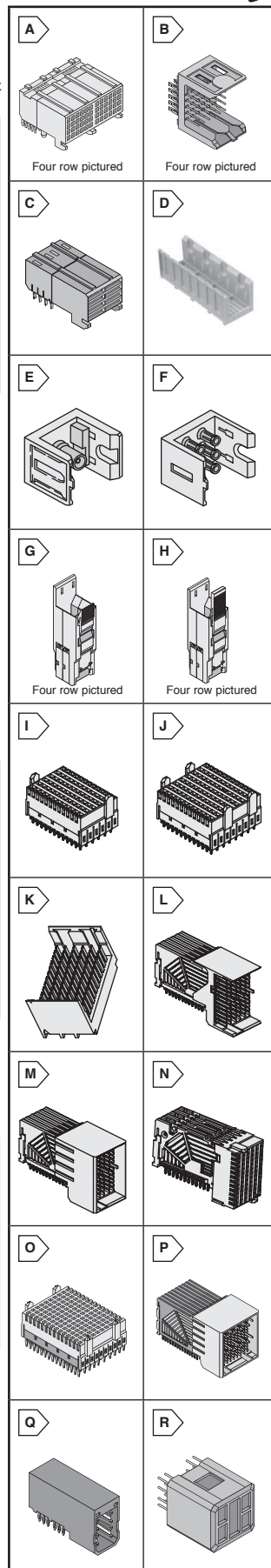
- Plating performance: Telcordia Central Office
- Temperature: 55°C to +125°C
- Housing material: Glass-filled LCP
- Insulation resistance: 1000MΩ
- Tail length: Header 4.30mm (.169")
- Current rating: 1.0A
- *High Speed



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	Pos.	Description	Orientation	Price Each			
						1	25	100	250
Receptacles									
649-88945-102LF	88945-102LF	A	24	4 row, Signal receptacle, press fit	Right Angle	2.66	2.45	2.24	2.09
649-89047-102LF	89047-102LF	A	30	5 row, Signal receptacle, press fit	Right Angle	3.04	2.71	2.42	2.29
649-74981-102LF	74981-102LF	A	96	8 row, Signal receptacle, press-fit	Right Angle	34.97	29.75	19.30	18.88
Headers									
649-70232-111LF	70232-111LF	B	24	4 row, Signal header, press-fit	Straight	2.10	1.81	1.53	1.48
649-89006-110LF	89006-110LF	B	30	5 row, Signal hdr, press fit, 5mm mating length	Straight	2.77	2.48	2.25	2.13
* 649-55003-101003LF	55003-101003LF	B	30	5 row, Signal header, press fit	Straight	10.50	7.48	6.94	6.80
Power Receptacles									
649-89096-102LF	89096-102LF	C	10	5 row, Press-Fit	Right Angle	4.47	3.39	3.01	2.96
Shroud									
649-89055-111LF	89055-111LF	D	-	5 row, wide body shroud	-	.77	.70	.645	.61
Hybrid Connectors									
649-88911-101LF	88911-101LF	E	-	DIN Standard Housing, 12mm wide body	-	.80	.70	.62	.602
649-88913-101LF	88913-101LF	F	-	Mini Coax Housing, 12mm, wide body	-	3.02	2.57	2.27	2.10



METRAL® 2.00MM CABLE CONNECTORS

Specifications:

- Interface compatible with IEC 61076-4-104 backpanel connectors
- End-stackable cable connectors enable adjacent connectors to plug headers without loss of positions
- Insulation displacement design offers quick termination without the need to strip conductors
- Easy to use cable receptacle kits mate to PCB Headers
- Active backshell latches securely
- Contact plating meets Telcordia Central Office
- Different latch designs are available to satisfy ergonomic and mechanical requirements
- Assembly Required

Receptacles

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	Pos.	Description	Latch Type	Price Each			
						1	25	100	250
4 Row Cable Kit with Backshells									
649-72476-1211LF	72476-1211LF	G	24	26-24 AWG	Short	8.00	6.92	5.70	5.58
649-72477-1211LF	72477-1211LF	G	48	26-24 AWG	Short	16.81	16.17	10.75	10.70
649-72477-1121LF	72477-1121LF	H	48	30-28 AWG	Standard	12.29	11.05	10.08	9.88
5 Row Cable Kit with Backshells									
649-72479-1111LF	72479-1111LF	H	60	26-24 AWG	Standard	9.69	7.51	6.91	6.72

AIRMAX VS® (VIRTUAL SHIELDS) CONNECTORS FOR COMPACTPCI® SERIAL SYSTEMS



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	No. of Pos.	No. of Columns	Description	Price Each		
						1	25	50
Midplane Front Side Connectors (Vertical Receptacles)								
649-10052829-101LF	10052829-101LF	I	72	6	4-pair	7.58	6.41	5.33
649-10052842-101LF	10052842-101LF	J	96	8	4-pair	8.64	7.88	7.50
Midplane Rear Side Connectors (Vertical Headers)								
649-10114761-101LF	10114761-101LF	K	72	6	4-pair	5.67	4.38	3.98
649-10114760-101LF	10114760-101LF	K	96	8	4-pair	7.09	5.47	4.97
Front Daughter Card Connectors (Right-Angle Headers)								
649-10052824-101LF	10052824-101LF	L	72	6	4-pair, 2-wall	10.24	9.42	7.44
649-10052837-101LF	10052837-101LF	L	96	8	4-pair, 2-wall	13.00	11.95	9.35
649-10052825-101LF	10052825-101LF	M	72	6	4-pair, 4-wall	10.24	9.42	7.44
649-10052838-101LF	10052838-101LF	M	96	8	4-pair, 4-wall	13.00	11.95	9.35
Rear Daughter Card Connectors (Right-Angle Receptacles)								
649-10114633-101LF	10114633-101LF	N	72	6	4-pair	11.56	10.63	8.32
649-10060905-101LF	10060905-101LF	N	96	8	4-pair	12.92	10.95	9.81

AIRMAX VS® (VIRTUAL SHIELDS) HIGH-SPEED BACKPLANE CONNECTOR SYSTEM

Specifications:

- Termination Style: Press-fit
- Contact Base Material: Copper alloy
- Contact Plating: Au over Ni
- Tail Plating: Sn over Ni
- Housing Material: Hi-temp thermoplastic
- 2mm column spacing
- RoHS Compliant per FCI documentation

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	No. of Pos.	No. of Columns	Description	Price Each		
						1	25	100
Receptacles								
649-10043546-101LF	10043546-101LF	O	54	6	3-Pair, Signal	6.19	5.03	4.88
649-10045271-101LF	10045271-101LF	O	72	8	3-Pair, Signal	7.86	7.17	7.04
Headers								
649-10039851-101LF	10039851-101LF	P	54	6	4 Wall, Right Angle, 3-Pair, Signal	6.86	5.90	5.71
649-10045267-101LF	10045267-101LF	P	72	8	4 Wall, Right Angle, 3-Pair, Signal	10.73	9.57	8.52
Guide Pins								
649-10037909-101LF	10037909-101LF	-	-	-	Guide Module R/A 7.2mm	3.15	2.87	2.76
649-10037910-101LF	10037910-101LF	-	-	-	Guide Pin External 10.8mm	2.73	2.37	2.24
649-10037912-101LF	10037912-101LF	-	-	-	Guide Module Assembly 10.8mm	3.67	3.12	2.93
649-10037911-102LF	10037911-102LF	-	-	-	Guide Pin Internal 10.8mm	2.74	2.54	2.45

AIRMAX VS® (VIRTUAL SHIELDS) POWER HIGH-SPEED BACKPLANE CONNECTOR SYSTEM

Features:

- Current rating to 80A for 1 x 2 and 2 x 2 modules
- Protected Backplane connector Compliant (Finder Probe)
- Press-fit termination
- RoHS Compliant per FCI documentation

Specifications:

- Contact Base Material: Copper Alloy
- Housing Material: Hi-temp thermoplastic

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	No. of Pos.	Description	Contact Array	Height above PCB	Price Each		
							1	25	100
Headers									
649-10028917-001LF	10028917-001LF	Q	4	Right Angle, Power	2 x 2	14.7mm	6.40	4.97	4.85
Receptacles									
649-10061290-5545PLF	10061290-55455PLF	R	6	Vertical, Power	2 x 3	11.5mm	12.56	11.54	10.53