

FCI DIN Connectors



Technical Characteristics: • Insulator Material: Polyester Thermoplastic UL 94V-0 • Contact Material: Copper Alloy • Contact Plating: Active Zone, Gold over Nickel; Termination Zone, Matte Tin over Nickel • Current Rating at 20°C: 1.5A • Maximum Current: 2A • Temperature Range: -55°C ~ 125°C • Contact Resistance: ≤ 20 mΩ • Insulation Resistance: ≥ 10⁶ MΩ

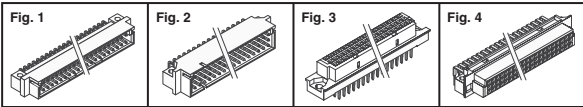


Fig.	No. of Rows	No. of Positions	Style	Digi-Key Part No.	Price Each	1	25	100	FCI Part No.
Headers									
1	2	64	B	609-2110-ND	3.25	2.02	1.83		86092645113755E1LF
	3	32	C/2	609-2117-ND	2.14	1.27	1.13		86094327313755E1LF
	3	48	C/2	609-2112-ND	2.46	1.48	1.29		86093487313755E1LF
	3	64	C	609-2119-ND	1.36	.78	.67		86094647113755E1LF
2	3	96	C	609-2115-ND	2.55	1.57	1.39		86093967113755E1LF
Receptacles									
3	3	32	C/2	609-2118-ND	2.05	1.27	1.13		86094328314755E1LF
	3	48	C/2	609-2113-ND	1.77	1.07	.93		86093488314755E1LF
	2	64	B	609-2111-ND	3.37	2.17	1.93		86092646114755E1LF
	3	64	C	609-2120-ND	1.65	.98	.87		86094648114755V1LF
4	3	48	R/2	609-2114-ND	2.06	1.27	1.14		86093488613755E1LF
	3	64	R	609-2121-ND	1.43	.85	.73		86094648813755V1LF
	3	96	R	609-2116-ND	1.83	1.10	.96		86093968813755V1LF

A

DDR2 Memory Module Sockets



DDR2 memory module sockets from FCI accept industry-standard FB-DIMM, DIMM or SO-DIMM assemblies. The sockets allow convenient memory expansion in servers, workstations, desktop PCs, mobile PCs and embedded applications in communications and industrial equipment.

Materials: • Housing: High-Temperature Thermoplastic UL94V-0 • Contact Base Metal: Copper Alloy • Contact Area Finish: Gold Over Nickel • Solder Area Finish: Tin over Nickel or Gold Flash over Nickel

Specifications: • Initial Contact Resistance: 30mΩ Maximum • Current Rating: 0.5A Contact Maximum • Durability: 25 Cycles Minimum

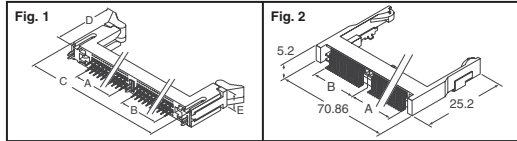


Fig.	Description	Dimensions - Inch (mm)					Digi-Key Part No.	Price Each	1	25	100	FCI Part No.
		A	B	C	D	E						
240 Position DDR2 DIMM Sockets												
1	Solder Termination with Metal Forklocks	2.480 (63.00)	2.165 (55.00)	5.551 (141.00)	1.008 (25.60)	0.299 (7.60)	609-1000-ND	1.59	.91	.79		10005639-11107LF
	Pressfit Termination with Alignment Post	2.480 (63.00)	2.165 (55.00)	5.576 (141.62)	1.012 (25.70)	0.299 (7.60)	609-1001-ND	1.53	.83	.71		10005639-11109LF
							609-1002-ND	1.59	.91	.79		10005639-12207LF
							609-1005-ND	3.14	1.96	1.77		10034542-10002LF
240 Position DDR2 FB-DIMM Sockets												
1	Solder Termination with Metal Forklocks and Ergonomic Latch Design	2.638 (67.00)	2.008 (51.00)	5.551 (141.00)	0.906 (23.00)	0.305 (7.75)	609-1003-ND	3.88	2.42	2.19		10037402-11107LF
							609-1004-ND	4.22	2.29	2.05		10037402-11109LF
200 Position DDR2 SO-DIMM Sockets												
2	Standard Module Orientation with Locating Peg	1.925 (48.9)	0.555 (14.1)	—	—	—	609-1006-ND	5.95	3.79	3.47		10033853-052FSLF
	Standard Module Orientation	1.925 (48.9)	0.555 (14.1)	—	—	—	609-1007-ND	5.99	3.75	3.43		10033853-152FSLF
	Reverse Module Orientation with Locating Peg	1.937 (49.2)	0.543 (13.8)	—	—	—	609-1008-ND	6.01	3.76	3.44		10033854-052FSLF
	Reverse Module Orientation	1.937 (49.2)	0.543 (13.8)	—	—	—	609-1009-ND	7.29	4.56	4.17		10033854-152FSLF

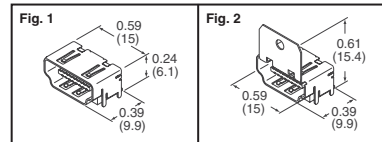
High Definition Multimedia Interface



Fig.	Description	Digi-Key Part No.	Price Each	1	25	100	FCI Part No.
1	Receptacle SMT Without Flange	609-1010-1-ND†	.68	.42	.38		10029449-00R1LF
	Receptacle SMT With Flange	609-1010-2-ND‡	129.85/400				10029449-00R1LF
2	Receptacle SMT With Flange	609-1011-ND	.91	.52	.43		10029449-002TLF

† Cut Tape ‡ Tape and Reel

Features: • Meets HDMI spec1.1 • Metal shield for better EMI • Speed to 5Gbps Uncompressed Single Transmit Rate • Backward Compatible with DVI • Low Impedance Mismatch • Simple and Flexible Design • Type A



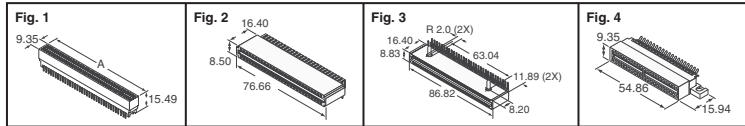
Power Card Edge Connectors

The Power Card Edge connector is a cost-effective connector system that can be used for DC power output from embedded AC/DC power supplies or for power distribution between boards within an enclosure. The connectors' low profiles are ideal for use in enterprise data or communications equipment.

Features: • One-piece card edge design provides cost-effective power delivery with capacity for up to 7A per power contact • Low-profile design helps maximize airflow for system cooling



Fig.	Circuit Size	Dim. A (mm)	Digi-Key Part No.	Price Each	1	25	50	FCI Part No.
1	64	87.86	609-2863-ND	4.81	3.33	3.14		10046971-001LF
	70	95.50	609-2859-ND	3.46	2.08	1.96		10046971-003LF
2	56	—	609-2860-ND	7.87	5.13	4.88		10035388-500LF
3	64	—	609-2861-ND	5.29	3.60	3.46		10053363-200LF
4	38	—	609-2862-ND	4.69	2.71	2.55		10034908-001LF

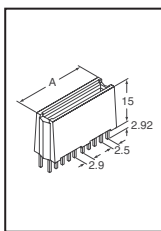


molex Power Edge™ Connector



Features: • End-to-end stackable for card edge requirements up to 203.2mm (8") in length • Foot print compatible and end-to-end stackable with competing connectors **Specifications:** • Segment Spacing: 12.90mm (.508") • Current (max): 40A @ 50V • Voltage (max): 250V • Flammability: UL 94V-0 • Temperature Range: -40°C ~ 105°C • UL File Number: E29179

No. of Contacts	Seg-ments	Dim. A (mm)	Digi-Key Part No.	Price Each	1	10	100	Molex Part No.
4	2	26.8	WM19100-ND	3.27	3.09	2.81		45719-0007
6	3	39.7	WM19101-ND	4.91	4.63	4.21		45719-0008
8	4	52.6	WM19102-ND	6.54	6.17	5.61		45719-0009

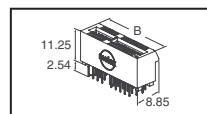


PCI Express Edge Card Connectors



Features: • Housing Material: Nylon 4/6 • Housing Color: Black • Terminal Material: PhBr • Contact Plating: 30µ" gold • Solderable Plating: 100µ" minimum tin over 50µ" nickel overall

Circuit Size	Dim. B (mm)	Digi-Key Part No.	Price Each	1	25	50	Molex Part No.
36	25	WM9000-ND	.90	.83	.80		87715-9006
64	39	WM9001-ND	1.31	1.20	1.16		87715-9106
98	56	WM9002-ND	2.13	1.95	1.89		87715-9206
164	89	WM9003-ND	3.11	2.85	2.76		87715-9306

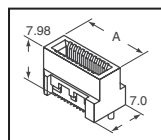


samtec 0.80mm Hi-Speed Sockets



Specifications: • Insulator Material: Black Liquid Crystal Polymer • Contact Material: BeCu • Plating: Au or Sn over 50µ" (1.27µm) Ni • Current Rating: 3.1A @ 30°C Temperature Rise • Operating Temperature: -55°C ~ 125°C • Card Insertion Depth: (3.15mm) • 125° nominal • Mates with: 1.6mm thick cards

No. of Positions	Dim. A (mm)	Digi-Key Part No.	Price Each	1	10	Samtec Part No.
20	15.8	SAM8079-ND	5.03	4.63		HSEC8-110-01-SM-DV-A
40	23.8	SAM8080-ND	5.84	5.26		HSEC8-120-01-SM-DV-A
60	31.8	SAM8081-ND	6.08	4.57		HSEC8-130-01-SM-DV-A
80	39.8	SAM8082-ND	6.93	5.21		HSEC8-140-01-SM-DV-A
100	47.8	SAM8083-ND	7.53	5.73		HSEC8-150-01-SM-DV-A
120	55.8	SAM8084-ND	8.28	6.31		HSEC8-160-01-SM-DV-A

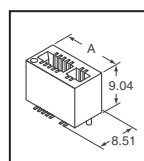


1mm Mini Edge-Card Sockets



Specifications: • Insulator Material: Black Liquid Crystal Polymer • Contact Material: BeCu • Plating: Au or Sn over 50µ" (1.27µm) Ni • Current Rating: 2A @ 80°C Ambient • Operating Temperature: -55°C ~ 125°C • Insertion Depth: (5.84mm) .230" to (8.13mm) .320" • Voltage Rating: 300VAC • Mates with: (1.60mm) .062" card

No. of Positions	Dim. A (mm)	Digi-Key Part No.	Price Each	1	10	Samtec Part No.
10	9.54	SAM8115-ND	4.79	3.55		MEC1-105-02-S-D-A
16	12.54	SAM8116-ND	5.10	3.78		MEC1-108-02-S-D-A
40	24.54	SAM8117-ND	6.03	4.53		MEC1-120-02-S-D-A
60	34.54	SAM8118-ND	6.52	4.89		MEC1-130-02-S-D-A
80	44.54	SAM8119-ND	7.13	5.43		MEC1-140-02-S-D-A
100	54.54	SAM8120-ND	8.08	6.15		MEC1-150-02-S-D-A
120	64.54	SAM8121-ND	8.70	6.70		MEC1-160-02-S-D-A
140	74.54	SAM8122-ND	9.64	7.41		MEC1-170-02-S-D-A



Digi-Reel® Most SMT cutdown parts are available on a Digi-Reel®. For Digi-Reel part number, change 1-ND to 6-ND or CT-ND to DKR-ND. See Digi-Key® Services on page 2 for additional information.

Free shipping on orders over £50! All prices are in British pound sterling and include duties.

uk.digikey.com — FREEPHONE: 0-800-587-0991 • 0-800-904-7786 — FREEFAX: 0-800-587-0992 • 0-800-904-7783

(UK091) 445