

PCI Express™, DIN, and Card Edge Connectors

FCI PCI EXPRESS™ 1.00MM PITCH VERTICAL CARD EDGE CONNECTORS

Series 10018783 suitable for reflow soldering
For applications in desktops and servers using PCI Express™ technology.

Specifications:

- Housing Color & Material: Black, high temperature nylon, glass-filled, UL94V-0
- Contact Material: Copper alloy
- Solder Area Plating: 2.54µm (100µ") tin over 1.27µm (50µ") nickel
- Durability (mating cycles): 50
- Insulation Resistance: 1000MΩ
- Withstanding Voltage: 300VAC
- Current Rating: 1.1amps for 7 specified power contacts and 7 nearest ground contacts
- Contact Resistance: 30mΩ max. (initial) with 10mΩ max. change after exposure testing
- Temperature Range: -40°C to +85°C
- RoHS Compliant per FCI documentation

Features:

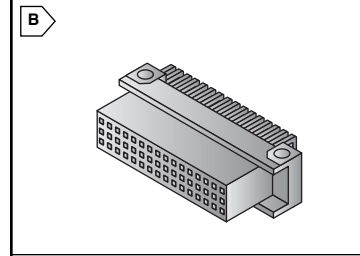
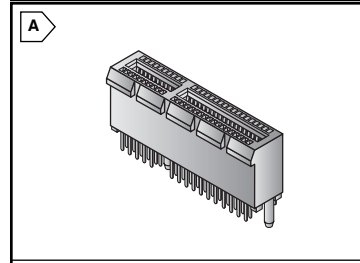
- Used to enable the implementation of high-speed, serial PCI Express™ architecture
- Each serial link supports 2.5 Gps (per direction)
- Through-mount tail length options for use on 1.58mm (.062") or 2.36mm (.093") thick motherboards



PCI Express™ is a trademark of PCI-SIG.

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	No. of Positions	Host PCB Thickness	Link Width	Price Each			
						1	25	50	100
649-18783-10100TLF	10018783-10100TLF	A	36	1.57mm (0.062")	1x	.36	.33	.31	.30
649-18783-10101TLF	10018783-10101TLF	A	64	1.57mm (0.062")	4x	.72	.66	.62	.59
649-18783-10102TLF	10018783-10102TLF	A	98	1.57mm (0.062")	8x	.94	.85	.81	.77
649-18783-10103TLF	10018783-10103TLF	A	164	1.57mm (0.062")	16x	1.19	1.08	1.03	.97
649-18783-10110TLF	10018783-10110TLF	A	36	2.36mm (0.093")	1x	.46	.42	.40	.38
649-18783-10111TLF	10018783-10111TLF	A	64	2.36mm (0.093")	4x	.72	.66	.62	.59
649-18783-10112TLF	10018783-10112TLF	A	98	2.36mm (0.093")	8x	.93	.85	.81	.76
649-18783-10113TLF	10018783-10113TLF	A	164	2.36mm (0.093")	16x	1.31	1.19	1.13	1.07



FCI DIN 41612 CONNECTORS



Specifications:

- Contact Base Material: Copper alloy
- Contact Resistance: ≤20mΩ
- Current Rating: 1.5 A @ 20°C
- Withdrawal Force: ≥ .15 N per contact
- Durability: 400 Mating cycles
- Housing Material: Glass filled thermoplastic polyester
- Temperature Range: -55°C to +125°C
- Color: Gray
- Withstanding Voltage: 1000 V rms
- RoHS Compliant per FCI documentation

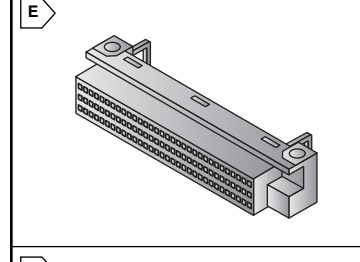
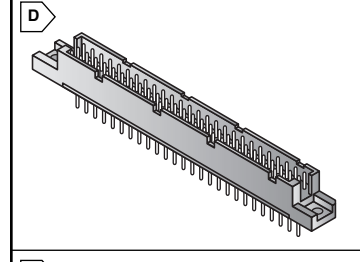
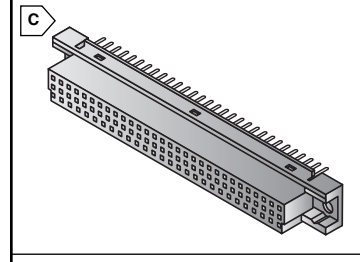
Features:

- Standardized per DIN 41612
- Low cost application solutions
- Contact Area Plating Specification: Class II
- Post Type: Solder-to-board
- Board Attachment
- Insertion Force: ≤ .94 N per contact



For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	No. of Positions	Housing Style	Orientation	Tail Length	Price Each			
							1	25	50	100
Headers										
649-86943273378ELF	86094327313755ELF	B	32	C/2	Right Angle	3 mm	.90	.82	.77	.73
649-86093487313755ELF	86093487313755ELF	B	48	C/2	Right Angle	3 mm	1.04	.95	.90	.85
649-86092645113755ELF	86092645113755ELF	B	64	B	Right Angle	3 mm	1.77	1.61	1.53	1.45
649-86946471137ELF	86094647113755ELF	B	64	C	Right Angle	3 mm	1.03	.94	.89	.85
649-86093967113755ELF	86093967113755ELF	B	96	C	Right Angle	3 mm	3.07	2.79	.65	2.51
649-86094647814755ELF	86094647814755ELF	C	64	R	Straight	4mm	1.10	1.00	.95	.90
649-8693967814755ELF	8693967814755ELF	C	96	R	Straight	4mm	1.55	1.41	1.34	1.29
Receptacles										
649-8694328347E1LF	86094328314755E1LF	D	32	C/2	Straight	4 mm	2.01	1.83	1.74	1.65
649-8693488347E1LF	86093488314755E1LF	D	48	C/2	Straight	4 mm	1.65	1.50	1.42	1.35
649-8693488637E1LF	86093488613755E1LF	E	48	R/2	Right Angle	3 mm	2.02	1.83	1.74	1.65
649-8692646147E1LF	86092646114755E1LF	D	64	B	Straight	4 mm	3.64	3.31	3.15	2.98
649-8694648147V1LF	86094648114755V1LF	D	64	C	Straight	4 mm	1.38	1.25	1.19	1.13
649-8694648837V1LF	86094648813755V1LF	E	64	R	Right Angle	3 mm	1.27	1.16	1.10	1.04
649-8693968837V1LF	86093968813755V1LF	E	96	R	Right Angle	3 mm	1.71	1.55	1.47	1.40
649-869396814755V1LF	869396814755V1LF	D	96	C	Straight	4mm	5.33	3.02	2.87	2.72



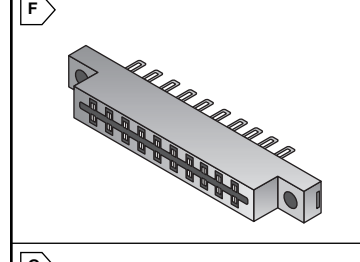
KOBICONN DUAL READOUT CARD EDGE CONNECTORS

Features:

- Bifurcated contact
- Gold plated
- For discrete wiring
- .156" center spacing

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Kobiconn Part No.	Fig.	Pin Configuration	Price Each			
				1	100	100	500
15PC001	15PC001	F	2 x 10	4.40	3.36	3.08	2.75
15PC002	15PC002	F	2 x 15	5.24	4.40	3.67	3.28
15PC005	15PC005	F	2 x 22	5.39	4.49	4.09	3.69



KOBICONN IDC FLAT CABLE CARD EDGE CONNECTORS

Features:

- Insulator: PBT glass reinforced
- Contacts: Brass tin plated
- Current Rating: 1A max per contact
- Color: Black
- Contact Resistance: 30mΩ max.
- Operating Temperature: -40°C to +105°C
- RoHS Compliant per Kobiconn Documentation



For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Kobiconn Part No.	Fig.	Pin Configuration	Price Each			
				1	100	100	500
164-0810-E	164-0810	G	10	1.45	.97	.88	.80
164-0820-E	164-0820	G	20	1.61	1.07	.97	.89
164-0826-E	164-0826	G	26	1.99	1.33	1.21	1.10
164-0834-E	164-0834	G	34	2.09	1.39	1.27	1.16
164-0840-E	164-0840	G	40	2.39	1.59	1.45	1.32
164-0850-E	164-0850	G	50	3.05	2.03	1.84	1.68

