

FCI SATA, E-SATA, HDMI and USB Connectors



This product is RoHS compliant.

SERIAL ATA (SATA) COMBO RECEPTACLES

- High density serial data transmission at 1.5 to 3.0 Gb/sec.
- Compliant with SATA 1.0a standard
- Signal and power combined device I/O
- 2 differential pairs signal (7 pins)
- 3 different voltage levels of power (15 pins)
- Combined signal/power receptacle for direct device plug-up
- Guide pegs for blind mate
- First-Make-Last-Break for hot plugging capability
- No. of Positions: 22
- Temperature Range: 260°C max for 10 seconds

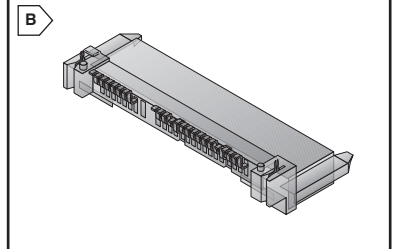
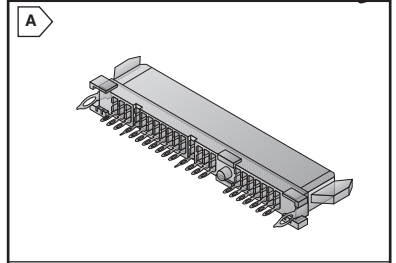
- Color: Black
- Contact Material: Cu Alloy
- Contact Resistance: 15 mΩ Max
- Current Rating: 1.5 A @ 30°C
- Voltage Rating: 500 VAC
- Durability: 500 Mating Cycles
- Housing Material: Thermoplastic UL94V-0
- Insulation Resistance: 1000 MΩ Min
- RoHS Compliant per FCI documentation



RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	Termination	Contact Plating	Retention Feature	Price Each			
						1	25	50	100
Vertical Inline Receptacles									
649-10017660-001LF	10017660-001LF	A	Through Hole	12μ" Gold	ForkLock/Harpoon	2.82	2.30	2.18	2.09
649-10029065-001LF	10029065-001LF	A	Surface Mount	12μ" Gold	SMT Pad	2.07	1.78	1.67	1.59
649-10045103-001LF	10045103-001LF	A	Surface Mount	12μ" Gold	Peg for Rivet	4.50	3.57	3.42	3.26
649-10022676-001LF	10022676-001LF	A	Press Fit	12μ" Gold	ForkLock/Harpoon	2.82	2.30	2.18	2.09
649-10043820-001LF	10043820-001LF	A	Cable Solder Tab	30μ" Gold	Back Cover/Overmold	2.17	1.87	1.78	1.62
Right Angle Inline Receptacles									
649-10031569-001LF	10031569-001LF	B	Surface Mount	12μ" Gold	ForkLock	1.50	1.32	1.24	1.17
649-10029364-001LF	10029364-001LF	B	Surface Mount	30μ" Gold	ForkLock/Harpoon	2.31	1.94	1.89	1.71
649-10034814-001LF	10034814-001LF	B	Surface Mount	30μ" Gold	ForkLock/Harpoon	4.61	3.66	3.49	3.35



E-SATA CONNECTORS

FCI's eSATA products are aimed at external storage applications that require a single-lane Serial ATA cable connection up to approximately two meters in length. The connectors comply with the Serial ATA Specification issued by the Serial ATA International Organization (SATA-IO).

Features:

- Compliant with eSATA requirements in Serial ATA Specification
- Supports Gen 1 (1.5Gb/s) and Gen 2 (3Gb/s) data rates
- Provide external data backup and protection at up to 3Gb/s data transfer rate

Specifications:

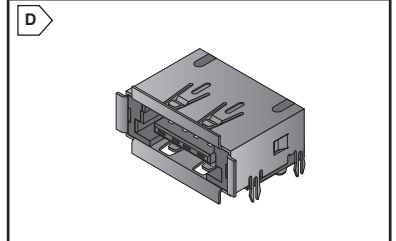
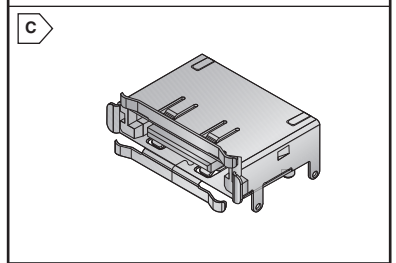
- Housing Material: Glass filled LCP (UL94 V-0), Black
- Current rating: 1.5 A per contact



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MOUSER STOCK NO.	FCI Part No.	Fig.	No. of Contacts	Contact Plating	Retention Feature	Price Each			
						1	25	50	100
E-SATA									
649-10067172-50CLF	10067172-50CLF	C	7	15μ" Gold	Metal Clip	1.30	1.11	.99	.96
649-10067172-60CLF	10067172-60CLF	C	7	30μ" Gold	Metal Clip	1.37	1.17	1.05	1.01
649-10067172-70CLF	10067172-70CLF	C	7	Gold Flash	Metal Clip	1.17	.99	.89	.87
E-SATA+USB									
649-10069848-001RLF	10069848-001RLF	D	11	15μ" Gold	Fork Style Metal Clip	2.11	1.80	1.61	1.61
E-SATA+USB Reverse Type									
649-10086118-001RLF	10086118-001RLF	D	11	15μ" Gold	Fork Style Metal Clip	2.20	1.87	1.67	1.62



HDMI CONNECTORS

- Type A receptacle meets HDMI spec 1.1
- Metal shield for better EMI
- Speed to 5Gbps uncompressed single transmit rate
- Backward compatible with DVI
- Low impedance mismatch
- No. of Positions: 19
- Contact Base Material: Copper alloy
- Contact Resistance: 30Ω max.
- Voltage Rating: 40 VAC max.
- Durability: 10,000 mating cycles

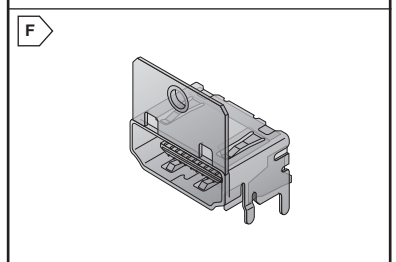
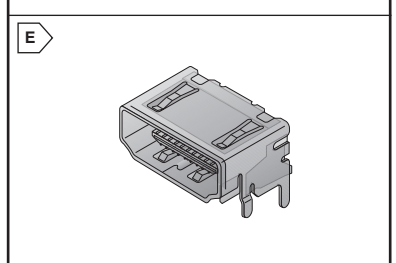
- Housing Material: High-temp resin
- Insulation Resistance: 100 MΩ
- Withstanding Voltage: 500 VAC
- Color: Black
- Operating Temperature: -55°C to +85°C
- Solder Tail Plating: Pure Sn
- Recommended PCB thickness: 1.6mm
- Contact Current Rating: 0.5A min.
- RoHS Compliant per FCI documentation



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MOUSER STOCK NO.	FCI Part No.	Fig.	Termination	Contact Plating	Mounting Flange	Price Each			
						1	25	50	100
649-10029449-001RLF	10029449-001RLF	E	Surface Mount	30μ" Gold	No	.71	.61	.58	.54
649-10029449-002TLF	10029449-002TLF	F	Surface Mount	30μ" Gold	Yes	.71	.61	.58	.54



USB CONNECTORS

- USB 2.0 compliant, speed to 480 Mb/sec
- Housing Material: Glass fiber filled thermoplastic, UL94V-0
- RoHS Compliant per FCI documentation



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MOUSER STOCK NO.	FCI Part No.	Fig.	Termination	USB Style	Housing Color	Price Each			
						1	25	50	100
Straight Plug Kits									
649-74233-100LF	74233-100LF	G	--	Type A Power	Teal	10.23	7.57	7.22	6.96
649-74233-101LF	74233-101LF	G	--	Type A Power	Teal	10.23	7.57	7.22	6.96
649-74233-102LF	74233-102LF	G	--	Type A Power	Teal	10.23	7.57	7.22	6.96
Right Angle Receptacles									
649-72309-8034BLF	72309-8034BLF	--	Through Hole	Type A	White	1.00	.93	.87	.82
649-87520-0010BLF	87520-0010BLF	--	Through Hole	Type A	White	.45	.41	.39	.37
649-61729-0010BLF	61729-0010BLF	--	Through Hole	Type B	White	.58	.53	.51	.49
649-61729-1010BLF	61729-1010BLF	--	Through Hole	Type B	Black	.72	.64	.61	.58
Flag Type Receptacle									
649-73725-0110BLF	73725-0110BLF	--	Through Hole	Type A	White	.54	.50	.48	.44

