

FCI SATA, SAS, HDMI, and USB Connectors



SERIAL ATA (SATA) COMBO RECEPTACLES

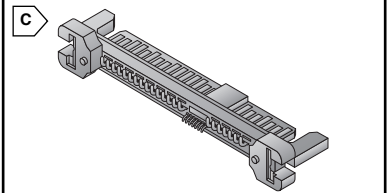
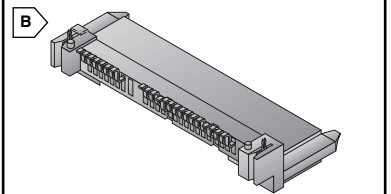
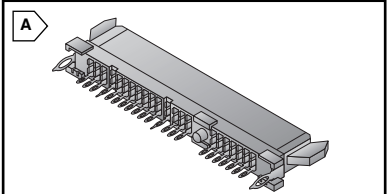
- High density serial data transmission at 1.5 to 3.0 Gb/sec.
- Compliant with SATA 1.0a standard
- Signal and power combined device I/O
- 2 differential pairs signal (7 pins)
- 3 different voltage levels of power (15 pins)
- Combined signal/power receptacle for direct device plug-up
- Guide pegs for 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	2.56	2.44	2.31
649-10029065-001LF	10029065-001LF	A	Surface Mount	12μ" Gold	SMT Pad	1.16	1.06	1.00	.95
649-10045103-001LF	10045103-001LF	A	Surface Mount	12μ" Gold	Peg for Rivet	4.50	4.09	3.88	3.68
649-10022676-001LF	10022676-001LF	A	Press Fit	12μ" Gold	ForkLock/Harpoon	2.82	2.56	2.44	2.31
649-10043820-001LF	10043820-001LF	A	Cable Solder Tab	30μ" Gold	Back Cover/Overmold	2.17	1.97	1.87	1.78
Vertical Power Staggered Receptacles									
649-10017660-002LF	10017660-002LF	A	Through Hole	12μ" Gold	ForkLock/Harpoon	5.99	5.44	5.17	4.90
649-10022676-002LF	10022676-002LF	A	Press Fit	12μ" Gold	ForkLock/Harpoon	3.65	3.32	3.15	2.99
Right Angle Inline Receptacles									
649-10031569-001LF	10031569-001LF	B	Surface Mount	12μ" Gold	ForkLock	1.50	1.36	1.29	1.22
649-10029364-001LF	10029364-001LF	B	Surface Mount	30μ" Gold	ForkLock/Harpoon	2.31	2.10	2.00	1.89
649-10034814-001LF	10034814-001LF	B	Surface Mount	30μ" Gold	ForkLock/Harpoon	4.61	4.19	3.98	3.77



SERIAL ATTACH SCSI (SAS) CONNECTORS

- High density serial data transmission at 1.5 to 3.0 Gb/sec.
- Dual port signal and power combined disk drive device I/O
- 2 differential pairs per port
- 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: 29
- Temperature Range: 260°C max for 10 seconds
- Color: Black
- Contact Material: Cu Alloy
- Contact Resistance: 15m Ohms Max
- Current Rating: 1.5 A @ 30°C
- Voltage Rating: 500 VAC
- Durability: 500 Mating Cycles
- Housing Material: Thermoplastic UL94V-0
- Insulation Resistance: 1000M Ohms Min
- RoHS Compliant per FCI documentation

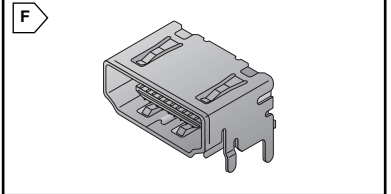
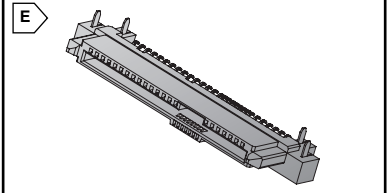
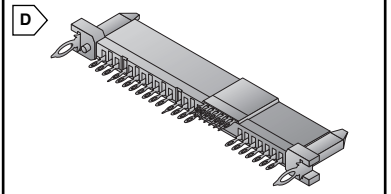


RoHS Compliant

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MOUSER STOCK NO.	FCI Part No.	Fig.	Termination	Contact Plating	Retention Feature	Price Each			
						1	25	50	100
Vertical Plugs									
649-10031193-001LF	10031193-001LF	C	Surface Mount	12μ" Gold	SMT Pad	1.62	1.48	1.41	1.34
649-10041724-001LF	10041724-001LF	C	Surface Mount	12μ" Gold	SMT Pad	1.99	1.81	1.72	1.63
649-10045105-001LF	10045105-001LF	C	Surface Mount	12μ" Gold	Peg for Rivet	3.80	3.45	3.28	3.11
649-10023060-001LF	10023060-001LF	C	Surface Mount	12μ" Gold	Straddle Mount	1.89	1.72	1.63	1.55
Right Angle Plug									
649-10034524-001LF	10034524-001LF	C	Surface Mount	12μ" Gold	ForkLock/Harpoon	1.81	1.64	1.56	1.48
Vertical Receptacles									
649-10018182-001LF	10018182-001LF	D	Through Hole	30μ" Gold	ForkLock/Harpoon	1.13	1.03	.98	.93
649-10018182-011LF	10018182-011LF	D	T/H - Std Longer Tail	30μ" Gold	ForkLock/Harpoon	3.78	3.44	3.27	3.09
649-10031567-001LF	10031567-001LF	D	Surface Mount	30μ" Gold	SMT Pad	4.54	4.13	3.92	3.71
649-10031077-003LF	10031077-003LF	D	Press Fit - Std Tail	30μ" Gold	ForkLock/Harpoon	4.54	4.13	3.92	3.71
*649-10040812-001LF	10040812-001LF	D	Press Fit - 4 Lane	30μ" Gold	ForkLock/Harpoon	7.76	7.05	6.70	6.35
649-10031077-001LF	10031077-001LF	D	Press Fit	30μ" Gold	ForkLock/Harpoon	2.03	1.84	1.75	1.66
649-10031077-011LF	10031077-011LF	D	P/F - Std Longer Tail	30μ" Gold	ForkLock/Harpoon	4.54	4.13	3.92	3.71
649-10036312-001LF	10036312-001LF	D	Hybrid Inline	30μ" Gold	ForkLock/Harpoon	3.78	3.44	3.27	3.10
649-10038334-001LF	10038334-001LF	D	Extended Height SMT	30μ" Gold	SMT Pad	6.73	6.12	5.81	5.51
Vertical Wide Base Receptacles									
649-10045782-001LF	10045782-001LF	D	Press Fit Staggered	30μ" Gold	Peg	4.65	4.22	4.01	3.80
649-10036876-003LF	10036876-003LF	D	Hybrid Staggered	30μ" Gold	Blade	7.01	6.37	6.05	5.73
649-10036876003CLF	10036876-003CLF	D	Hybrid Staggered	30μ" Gold	Blade + Cap	4.16	3.78	3.59	3.40
649-10036876-013LF	10036876-013LF	D	Hybrid Staggered	30μ" Gold	Blade	3.98	3.62	3.44	3.26
649-10036876013CLF	10036876-013CLF	D	Hybrid Staggered	30μ" Gold	Blade + Cap	3.98	3.62	3.44	3.26
Right Angle Receptacles									
649-10035202-001LF	10035202-001LF	E	Surface Mount	30μ" Gold	ForkLock/Harpoon	4.54	4.13	3.92	3.71
649-10036587-001LF	10036587-001LF	E	Surface Mount	30μ" Gold	Blade 4x	2.89	2.63	2.50	2.37

*: 32 positions



HDMI CONNECTORS

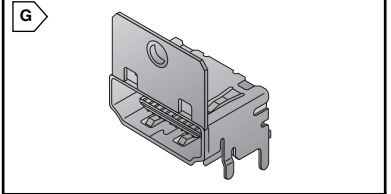
- Type A receptacle meets HDMI spec.1
- Metal shield for better EMI
- Speed to 5Gbps uncompressed single transmit rate
- Backward compatible with DVI
- Low impedance mismatch
- No. of Positions: 19
- Contact Base Material: Copper alloy
- Contact Resistance: 30Ω max.
- Voltage Rating: 40 VAC max.
- Durability: 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



RoHS Compliant

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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	F	Surface Mount	30μ" Gold	No	2.45	2.23	2.11	2.00
649-10029449-002TLF	10029449-002TLF	G	Surface Mount	30μ" Gold	Yes	2.55	2.32	2.20	2.09



USB CONNECTORS

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



RoHS Compliant

For quantities of 200 and up, call for quote.

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	H	--	Type A Power	Teal	9.74	8.85	8.41	7.97
649-74233-101LF	74233-101LF	H	--	Type A Power	Teal	9.74	8.85	8.41	7.97
649-74233-102LF	74233-102LF	H	--	Type A Power	Teal	9.74	8.85	8.41	7.97
Right Angle Receptacles									
649-55917-501LF	55917-501LF	I	Through Hole	Type A Power	Teal	4.30	3.91	3.72	3.52
649-72309-8034BLF	72309-8034BLF	--	Through Hole	Type A	White	.75	.69	.65	.62
649-87520-0010BLF	87520-0010BLF	--	Through Hole	Type A	White	.42	.38	.36	.34
649-61729-0010BLF	61729-0010BLF	--	Through Hole	Type B	White	.52	.47	.45	.43
Flag Type Receptacle									
649-73725-0110BLF	73725-0110BLF	--	Through Hole	Type A	White	.50	.46	.44	.41

