

# FCI SATA, E-SATA, HDMI and USB Connectors

RoHS Compliant This product is RoHS compliant.

## SERIAL ATA (SATA) COMBO RECEPTACLES

### Specifications:

- High density serial data transmission at 1.5 to 3.0Gb/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: 15mΩ max.
- Current Rating: 1.5A @ 30°C
- Voltage Rating: 500VAC
- Durability: 500 Mating Cycles
- Housing Material: Thermoplastic UL94V-0
- Insulation Resistance: 1000MΩ min.
- RoHS Compliant per FCI documentation

RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	Termination	Contact Plating	Retention Feature	Price Each			
						1	25	100	250
<b>Vertical Inline Receptacles</b>									
649-10017660-001LF	10017660-001LF	A	Through Hole	12μ" Gold	ForkLock/Harpoon	3.47	2.69	2.36	2.31
649-10029065-001LF	10029065-001LF	A	Surface Mount	12μ" Gold	SMT Pad	3.03	2.44	2.19	2.12
649-10045103-001LF	10045103-001LF	A	Surface Mount	12μ" Gold	Peg for Rivet	5.55	4.21	3.79	3.68
649-10022676-001LF	10022676-001LF	A	Press Fit	12μ" Gold	ForkLock/Harpoon	3.47	2.84	2.48	2.42
649-10043820-001LF	10043820-001LF	A	Cable Solder Tab	30μ" Gold	Back Cover/Overmold	2.67	2.19	1.93	1.87
<b>Right Angle Inline Receptacles</b>									
649-10031569-001LF	10031569-001LF	B	Surface Mount	12μ" Gold	ForkLock	1.61	1.33	1.17	1.12
649-10029364-001LF	10029364-001LF	B	Surface Mount	30μ" Gold	ForkLock/Harpoon	2.60	2.13	1.90	1.80
649-10034814-001LF	10034814-001LF	B	Surface Mount	30μ" Gold	ForkLock/Harpoon	5.32	4.02	3.62	3.53

## E-SATA CONNECTORS

### 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: 1.5A per contact

RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	No. of Contacts	Contact Plating	Retention Feature	Price Each			
						1	25	100	250
<b>E-SATA+USB</b>									
649-10069848-001RLF	10069848-001RLF	C	11	15μ" Gold	Fork Style Metal Clip	2.70	2.48	2.27	2.05
<b>E-SATA+USB Reverse Type</b>									
649-10086118-001RLF	10086118-001RLF	C	11	15μ" Gold	Fork Style Metal Clip	2.90	2.20	2.04	1.99

## HDMI CONNECTORS

- Type A receptacle meets HDMI spec1.1
- 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: 40VAC max.
- Durability: 10,000 mating cycles

- Housing Material: High-temp resin
- Insulation Resistance: 100MΩ
- Withstanding Voltage: 500VAC
- 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

NEW PRODUCT

RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	Termination	Contact Plating	Mounting Flange	Price Each			
						1	25	100	250
649-10118241-001RLF	10118241-001RLF	D	SMT + Dip	15μ" Au	No	1.75	1.36	1.11	.98
649-10118242-001RLF	10118242-001RLF	D	DIP Leg	15μ" Au	No	1.67	1.49	1.22	.99
649-10029449-001RLF	10029449-001RLF	D	Surface Mount	30μ" Gold	No	.85	.70	.64	.606
649-10029449-002TLF	10029449-002TLF	E	Surface Mount	30μ" Gold	Yes	.97	.78	.697	.68

## USB 3.0 CONNECTORS

- Type A receptacle meets HDMI spec1.1
- Metal shield for better EMI
- Backward compatible with DVI

NEW PRODUCT

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	Termination	USB Style	Housing Color	Price Each			
						1	25	50	100
<b>Right Angle</b>									
649-10117835-001LF	10117835-001LF	F	Through Hole	Type A	Blue	1.22	1.00	.966	.924
<b>Vertical</b>									
649-10117836-001LF	10117836-001LF	G	Through Hole	Type A	Blue	1.31	1.08	1.04	.995

## USB CONNECTORS

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

NEW PRODUCT

RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	Termination	USB Style	Housing Color	Price Each			
						1	25	100	250
<b>Straight Plug Kits</b>									
649-74233-101LF	74233-101LF	H	--	Type A Power	Teal	12.09	11.12	10.15	7.42
649-74233-102LF	74233-102LF	H	--	Type A Power	Teal	12.09	11.12	10.15	7.42
<b>Right Angle Receptacles</b>									
649-72309-8034BLF	72309-8034BLF	--	Through Hole	Type A	White	1.13	.99	.892	.859
649-87520-0010BLF	87520-0010BLF	--	Through Hole	Type A	White	.52	.48	.44	.415
649-61729-0010BLF	61729-0010BLF	--	Through Hole	Type B	White	.66	.59	.527	.505
649-61729-0011BLF	61729-0011BLF	--	Through Hole	Type B	White	1.41	.91	.763	.709
649-61729-1010BLF	61729-1010BLF	--	Through Hole	Type B	Black	.82	.69	.623	.601
<b>Flag Type Receptacle</b>									
649-73725-0110BLF	73725-0110BLF	--	Through Hole	Type A	White	.61	.54	.484	.473
<b>Mini-USB Receptacle</b>									
649-10033526N3212MLF	10033526N3212MLF	I	Surface Mount	Type B	Black	1.19	.64	.527	.505
<b>Micro-USB Receptacles</b>									
649-10118192-0001LF	10118192-0001LF	J	Surface Mount	Type B	Black	.31	.27	.247	.237
649-10118193-0001LF	10118193-0001LF	K	SMT / 2 Dip Legs	Type B	Black	.31	.27	.247	.237
649-10118194-0001LF	10118194-0001LF	K	SMT / 4 Dip Legs	Type B	Black	.31	.27	.247	.237
649-10103593-0001LF	10103593-0001LF	L	SMT, Mid-mount	Type B	Black	.47	.43	.39	.372
649-10103594-0001LF	10103594-0001LF	M	Surface Mount	Type B	Black	.45	.39	.36	.344
649-10104111-0001LF	10104111-0001LF	N	Surface Mount	Type A/B	Gray	.46	.41	.38	.362

