

FCI High Speed and Power Cable Assemblies

RoHS Compliant This page of product is compliant.

DENSISHIELD™ I/O SYSTEM

High-Speed Cable Assemblies and Connectors

Features:

- 8-pair connectors can be mounted side by side on 12.5mm pitch enabling multiple I/O ports along a card edge
- Robust strain relief with short cable exit enables close spacing between chassis panel and cabinet door or wall
- Low vertical profile allows use in systems having 15mm pitch card slot spacing
- Crimp ferrule system reliably terminates EMC shield of cable to connector covers
- Signal ground is isolated from EMC ground
- RoHS compliant per FCI documentation

Specifications:

- Contacts: Copper alloy
- Insulators: High-temperature thermoplastic
- Shells: Die-cast zinc and copper alloy strip, tin plated
- Ground springs: Stainless steel
- Lock screw: Stainless steel
- Cable: LSZH (Low Smoke Zero Halogen) fully-shielded, 8 differential pairs



RoHS Compliant

Cable Assemblies

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	Cable Length: m (ft.)	Wire Gauge	Price Each	
					1	5
649-154999-N0100AULF	10054999-N0100AULF	A	1 (3.28)	26AWG	91.71	86.62
649-154999-N0300AULF	10054999-N0300AULF	A	3 (9.84)	26AWG	126.51	119.50
649-154999-N0500AULF	10054999-N0500AULF	A	5 (16.4)	26AWG	178.55	168.65

PCB Mounted Header

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	Price Each		
			1	5	10
649-1044471-121110LF	10044471-121110LF	B	13.19	12.44	11.58

USB+POWER INTERCONNECT SYSTEM

Features:

- Industry standard USB+Power
- 12V and 24V versions available
- USB+Power can eliminate the need for an independent power supply on some peripheral devices

- Allows standard use of USB port if extra power is not required
- RoHS compliant per FCI documentation
- Current rating: 5A per power contact (still air, 30°C rise)



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MOUSER STOCK NO.	FCI Part No.	Fig.	Description	Cable Length: m (ft.)	Voltage	Price Each		
						1	5	10
Cable Assemblies								
649-184089-Z0300YYLF	10084089-Z0300YYLF	C	Single Ended	3 (9.84)	24V	25.76	24.29	22.57
Receptacles								
649-55917-500LF	55917-500LF	D	Right Angle Board Mnt	-	12V	4.68	4.34	4.08
649-55917-600LF	55917-600LF	D	Right Angle Board Mnt	-	24V	4.63	4.32	4.16

PWRBLADE® I/O CABLE ASSEMBLIES

Features:

- Options for panel-mount or squeeze-to-release configurations
- Robust 0.100" (2.54mm) pitch for signal contacts
- Rugged blind-mate connector system
- Current rating (still air, 30°C rise):
48A per power contact, 1 contact powered
30A per power contact, 10 contacts powered

- Flexible crimp-to-wire signal contacts accommodate 22, 24, and 26 AWG wire
- Modular tooling design and manufacturing process allow product flexibility
- RoHS compliant per FCI documentation



RoHS Compliant

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MOUSER STOCK NO.	FCI Part No.	Fig.	Description	Cable Length: m (ft.)	Volt.	Price Each		
						1	5	10
Cable Assemblies								
649-180594-1AD0078LF	10080594-1AD0078LF	E	2 Pwr, Squeeze-to-Release	1 (3.28)	8	30.82	29.07	27.04
Headers								
649-51939-198LF	51939-198LF	F	2 Power, R/A Board Mount	-	-	3.24	3.05	2.84
649-51721-2406AALF	51721-10002406AALF	G	24S+6P, R/A Board Mount	-	-	6.19	5.89	5.75

PWR TWINBLADE™ CABLE ASSEMBLIES

Features:

- 2 power positions
- Highest power I/O solution available
- Power cable sizes 4, 6AWG, 25mm² and 16mm² wire sizes

- Current rating (still air, 30°C rise)
100 amps per twin contact at 75°C ambient
200 amps per connector system



RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	Description	Cable Length: m (ft.)	Wire Size	Price Each		
						1	5	10
Cable Assemblies								
649-180068-4GEL100LF	10080068-4GEL100LF	H	Right Angle Exit	1 (3.28)	16mm ²	42.96	41.58	38.64
649-180068-2GEL100LF	10080068-2GEL100LF	I	Straight Exit	1 (3.28)	16mm ²	48.11	46.58	43.29
Header								
649-51939-219LF	51939-219LF	J	Right Angle Board Mount	-	-	3.85	3.63	3.37

MTCA POWER D-SUB CABLE ASSEMBLIES

Features:

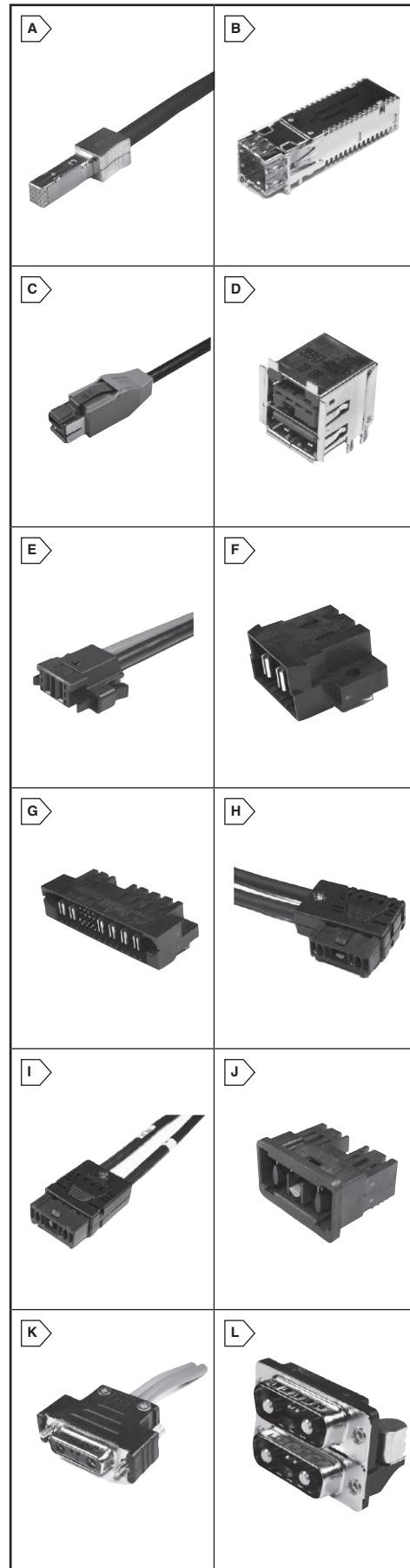
- μTCA high power I/O
- Standard I/O for power in/out on all uTCA chassis
High power I/O system
9W4 for 24V/49A power I/O with only 2 power contacts + 2 signals
7W2 for 48V or 60V/24A power I/O 2 power contacts with only 2 signals



RoHS Compliant

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MOUSER STOCK NO.	FCI Part No.	Fig.	Description	Cable Length: m (ft.)	Wire Size	Price Each		
						1	5	10
Cable Assemblies								
649-184660-E0100YYLF	10084660-E0100YYLF	K	2S+2P μTCA	1 (3.28)	10	15.33	14.26	12.89
Header								
649-1070158-00119LLF	10070158-00119LLF	L	Dual 2S+2P μTCA Rt Angle	-	-	22.55	21.24	19.79



Cable Assemblies

FCI