

UltraWize Wire-to-Board, High-Current Power Connectors and Cable Assemblies >

Achieve superior power distribution with UltraWize Power Connectors and Cable Assemblies, specifically engineered for demanding data center applications. These products utilize proven Coeur socket technology which incorporates conical sockets to ensure a large conductive surface area. This reduces contact resistance and voltage drop to minimize heat generation and deliver high-current carrying capacity for UltraWize products. Additionally, the cable-side exit configuration uses minimal space and further enhances efficiency and design flexibility. UltraWize Power connectors and cable assemblies provide reliable, robust and space-saving power distribution in data center environments.

ADVANTAGES AND FEATURES

Minimizes stack height

The cable side-exit design eliminates the need to accommodate the cable-bend radius.

Reduces processing costs and increases speed to market

SMT reflow-capable headers in pick-and-place packaging allow the header to be run through a reflow oven with no post-processing required.

Secures mating of the connector

A positive lock helps prevent the connector from accidentally unmating.

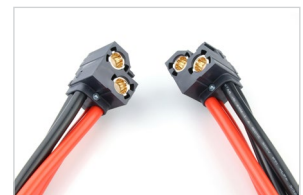
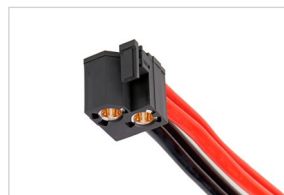
Current	170.0A
Voltage	125V
Mating Cycles	200
Flammability Rating	UL 94V-0
Operating Temperature	-40 to +125°C

Minimizes PCB footprint requirements

The staggered pin design reduces the space required on the PCB and allows more room for additional components.

Reduces mis-mating in production for fewer defects

The connectors are mechanically keyed and have locating pegs to ensure correct mating.



MARKETS AND APPLICATIONS

Power for Data Center

Servers (GPU)
Switches



Servers

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SPECIFICATIONS

Connectors

Reference Information

Packaging: Embossed tape with cover
Designed In: Millimeters
RoHS: Yes
Halogen Free: Yes

Electrical

Voltage (max.): 125V
Current (max.): 170.0A
Contact Resistance: 0.4 milliohms
Dielectric Withstanding Voltage: 125V AC
Insulation Resistance: 500V DC

Mechanical

Pitch: 13.58mm
Mated Height:
Standard Header: 31.00mm
Tall Header: 47.00mm
Circuit Size: 2 circuits
Durability (max.): 200 cycles

Physical

Header Housing: LCP
Cable Assembly Housing: PBT
Flammability: UL 94 V-0
Contact: Copper Alloy
Plating:
Header Pin—Silver
Cable Assembly Socket—Gold
Operating Temperatures: -40 to +125°C

Cable Assemblies

Reference Information

Packaging: Tray or bag depending on part
Designed In: Millimeters
RoHS: Yes
Halogen Free: Yes

Electrical

Voltage (max.): 125V
Current (max.): 170.0A
Contact Resistance: 0.4 milliohms
Dielectric Withstanding Voltage: 125V AC
Insulation Resistance: 500V DC

Mechanical

Pitch: 13.58mm
Mated Height:
Standard Header: 31.00mm
Tall Header: 47.00mm
Circuit Size: 2 circuits
Durability (max.): 200 cycles

Physical

Cable Assembly Housing: PBT
Flammability: UL 94 V-0
Contact: Copper Alloy
Plating: Cable Assembly Socket—Gold
Operating Temperatures: -40 to +125°C