FEATURES AND SPECIFICATIONS

查询"45481"供应商

Reliable Custom Solutions for Board-to-Board Power Interconnects

Power Dock is a modular connector system offering a broad range of options to provide custom solutions for AC and DC power requirements. Features include vertical or right angle board orientations and sequential mating. They are ideal for connecting power supplies used in high-end computer and telecom equipment. Power Dock connectors are drop-in replaceable and intermateable with existing popular power connectors, now giving customers a valuable second source.

Selecting the exact Power Dock connector system will be easy using the Power Dock configurator website. The website enables customers to choose the module components and the module sequence they need and then instantly receive a price, part number, drawing with basic dimensions and the option to order samples.

Features and Benefits

- Vertical or right angle styles for parallel or perpendicular board mating orientations
- Rated up to 35.0A for a variety of power applications
- Three mating sequence options for hot pluggability
- Press-fit (compliant pin) or solder through hole termination for use with a range of PCB thicknesses
- Signal modules available in 6 or 24 circuits to facilitate customization
- Guiding pins enable self-aligning of mated assemblies



molex[®] Power Dock™ Modular Plug and Socket Configured Assemblies



Specifications

Electrical

Voltage: 250V or 600V Current: Power Contacts — 35.0A per mated contact Signal Contacts — 3.0A per mated contact **Contact Resistance:** Power Contacts — 2 milliohms max. Signal Contacts — 15 milliohms max. Dielectric Strength: No Breakdown Insulation Resistance: 5000 Megohms min.

Mechanical

Mating Force: Power Contact — 17.8N (4.0 lbf) max. Signal Contact — 1.4N (5 ozf) max. Unmating Force: Power Contact — 4.4N (1.0 lbf) min. Signal Contact — 0.1N (0.5 ozf) min. Durability: 250 mating cycles Housing Contact Retention: 22.2N

Physical

Contact: Copper Alloy Plating: Select Gold over Nickel Operating Temperature: -40 to +105°C

Applications

- Telecommunications Equipment
- High-End Computer Servers
- Power Distribution Systems
- Low Noise Power Supplies
- Switched Mode Power Supplies (SMPS)
- Power Factor-Correcting Power Supplies
- Uninterruptible Power Supplies (UPS)

ORDERING INFORMATION

Series	Description	Termination
45481	Vertical Plug Assembly	Solder
45482	Vertical Plug Assembly	Press-fit
45483	Vertical Socket Assembly	Solder
45484	Vertical Socket Assembly	Press-fit
45485	Right Angle Plug Assembly	Solder



Fax to Molex at 630-512-8620



Use this form to configure a Power Dock connector. Simply follow the step-by-step instructions below and fax this form to 630-512-8620. Once Molex has received this form, a drawing will be created and sent to you for final approval.

•	Company	Location	
	Contact Name	Title	
эр	Telephone ()	Fax ()	
1	Signature	Email Address	
		Date	Quantity Required

STEP 1



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