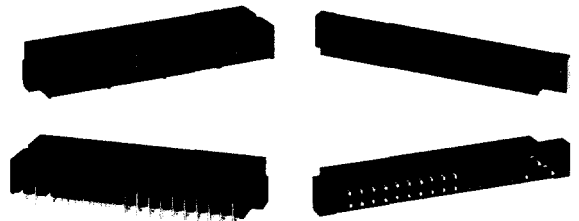


POWERPAK™

Board-to-board connector for low to midrange EuroRack power supply applications

POWERPAK is a board-to-board connector for low to midrange power applications designed for EuroRack packaging that use front hot-swap power supplies, including CompactPCI, VME and other bus architectures. POWERPAK is intermateable with other existing industry standard designs, and offers several enhancements that make it the best choice when it comes to performance, design flexibility, and safety.



Crown Band Performance and Reliability



POWERPAK enjoys all the benefits of ELCON's Crown Band™ Technology, for maximum contact surface, low insertion and extraction forces, minimal temperature rise and millivolt drop, plus excellent shock and vibration performance.

Safety Features

When it comes to safety, POWERPAK is the best choice. On the socket side, all contact positions are probe-proof. On the pin side, the right angle tails are protected for electrical isolation and against physical damage by an enclosed protective skirt. POWERPAK also has polarization built in the insulator, to avoid mismatch.

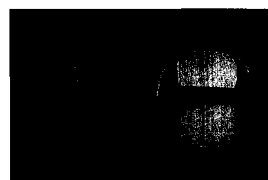


Elcon is an Executive Member of the PCI Industrial Computers Manufacturers Group.

Design Flexibility

Elcon can accommodate application-specific requirements by tailoring POWERPAK with design options such as selective loading of contacts, non-standard sequencing configurations and termination styles, and contact plating options. Consult Elcon for details.

Truly Compliant Press-fit Tails



POWERPAK uses Elcon's truly compliant "eye of the needle" press-fit tails which,

as shown in the photo, perfectly conform to the hole in the PC board, for an extremely reliable connection using solderless mounting techniques. Supports board thicknesses of .062 inches and higher.

FEATURES

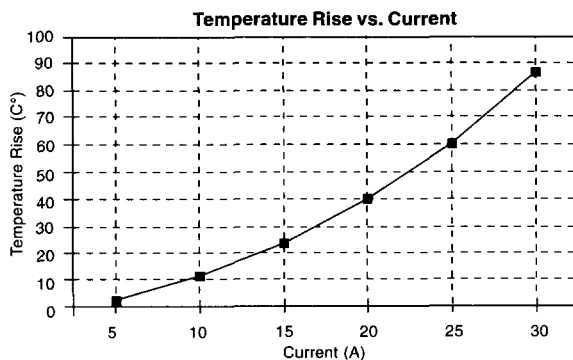
- Multiple sequencing for hot swapping
- Polarization built in the insulator
- 3 size #16 for AC or 48VDC input
- 15 size #20 contacts for signal circuits
- 20 size #16 contacts for low voltage DC output
- UL (US and CNR) and TÜV listed



APPLICATIONS

- Low to midrange power supplies in EuroRack packaging
- CompactPCI compatible designs
- Industrial control/equipment
- Telecommunications
- Medical equipment

TEST DATA



Tested in compliance with IEC Standard 512-3, Test 5a with all size #16 contacts under load wired using size #12 AWG cable.

PRODUCT SPECIFICATIONS

MATERIALS			
Insulator		Thermoplastic, glass reinforced, color black, UL 94V-0 flammability rated	
Solder signal contact		Brass alloy	
Compliant contact, power contacts and Crown Bands		Copper alloy	
PLATING (1)			
Pin		Gold over nickel	
Socket	Body	Size #20	Gold over nickel
		Size #16	Silver over nickel
	Tail		Tin/lead over nickel
Crown Bands		Gold over nickel	
ELECTRICAL			
Current Ratings (2)	#16 AC IN	23A/250V	
	#16 DC OUT	16A/250V	
	#20 signal	3A/125V	

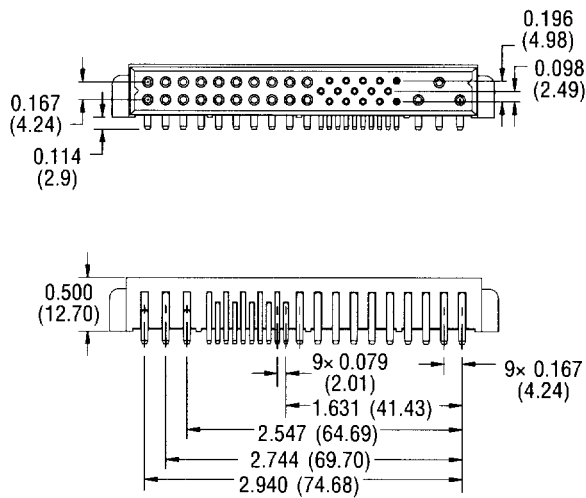
Note: (1) Consult Elcon for other contact plating options.
(2) Tested using 5 oz. copper PC boards.

■ GENERAL DIMENSIONS

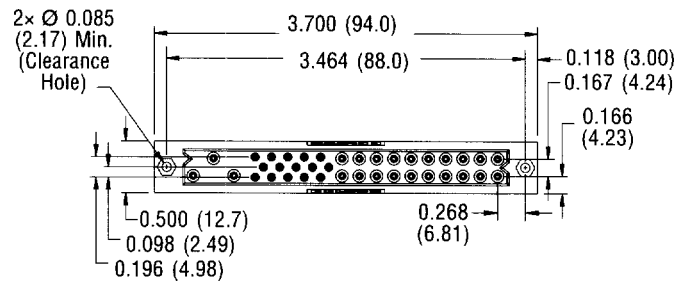
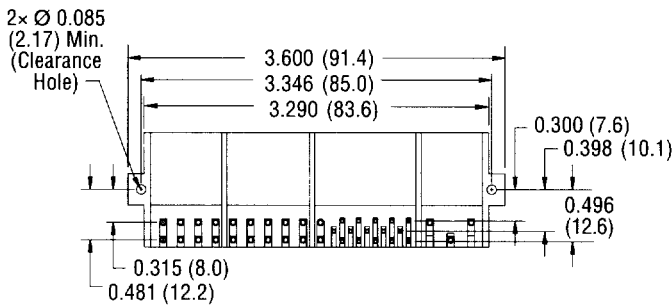
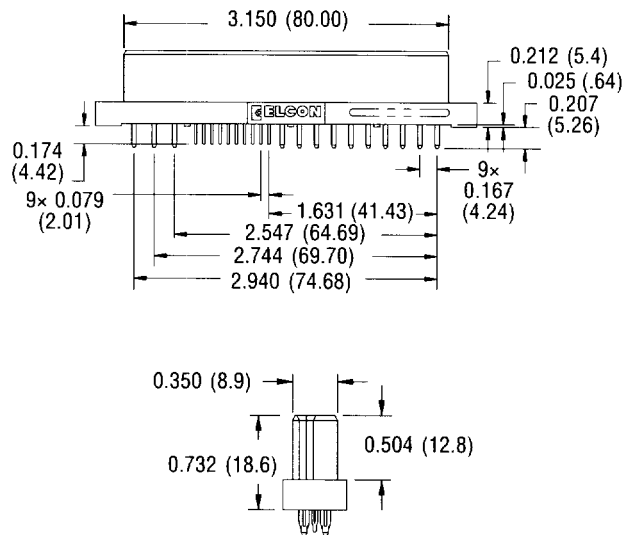
Units: Inches (mm)

Customer User Drawing (CUD) available upon request.
Call Elcon or your sales representative.

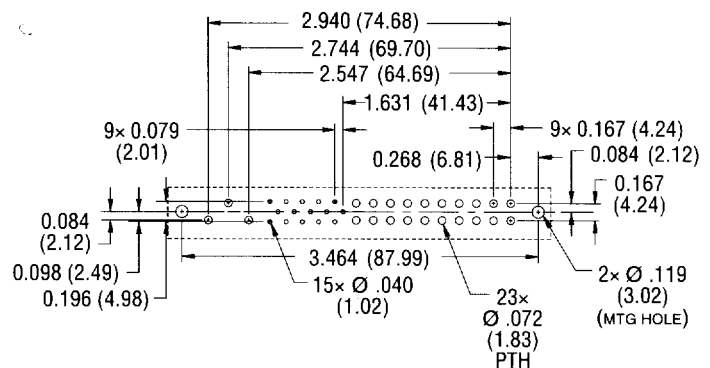
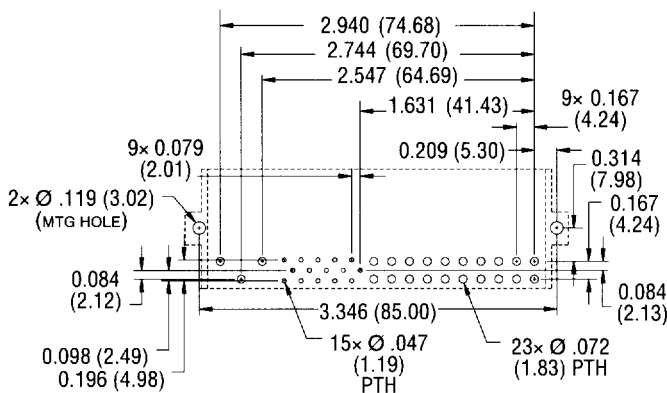
Right Angle (pin side) 225-0005-00100



Straight (socket side) 226-0005-00100



Printed Circuit Layouts (As seen from the mounting side)



External appearance, dimensions and specifications subject to change without notice.

ELCON

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