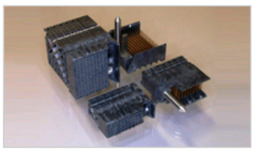
2057960-1 Product Details



Preliminary

Impact High Density Backplane Connectors

IMP,R4PR12C,RG0.39Sn,None

2057960-1

TE Internal Number: 2057960-1

Product Highlights View All

- Connector Style = Receptacle
- 96/Signal, 48/Ground
- 144 Positions
- Board-to-Board Configuration = Right Angle
- Number of Differential Pairs Per Column = 4

Pricing & Availability
Request Sample
Add to My Part List
Buy Product through Distributor

Documents | Features | Compliance

Please Note:
Use the Product Drawing for all design activity

Product Type Features

PCB Mount Retention Type	Action/Compliant Tail and Screw(s)
PCB Mount Alignment Type	Locating Post(s)

Electrical Characteristics

Impedance (Ω)	100
Operating Voltage Reference	AC/DC
Operating Voltage (VAC)	120
Operating Voltage (VDC)	120

Dimensions

Tail Length (mm [in])	1.2 [0.047]
Length (X-Axis) (mm [in])	30.40 [1.197]
Width (Z-Axis) (mm [in])	28.20 [1.110]
Profile Height (Y-Axis) (mm [in])	17.30 [0.681]
PCB Hole Diameter (mm [in])	0.39 [0.015]

Contact Features

Contact Type	Socket
Contact Plating, Termination Area, Material	Matte Tin
Contact Plating, Termination Area, Thickness (µm [µin])	1.27 [50]
Contact Base Material	Copper-Nickel-Silicon
Underplate Material	Nickel
Underplate Material Thickness (µm [µin])	1.27 [50.000]

Housing Features

Connector Style	Receptacle
Housing Color	Black
Housing Material	LCP (Liquid Crystal Polymer)

Configuration Features

Connector Contact Configuration (No. of Pos./Type)	96/Signal, 48/Ground
Number of Positions	144
Number of Differential Pairs Per Column	4
Number of Columns	12
Number of Rows	12
Guide Location	Right
Tail Orientation	In-line

Industry Standards

RoHS/ELV Compliance	RoHS compliant, ELV compliant
Lead Free Solder Processes	Not relevant for lead free process
RoHS/ELV Compliance History	Always was RoHS compliant
UL Rating	Recognized
UL File Number	E28476
UL Flammability Rating	UL 94V-0
CSA Certified	Yes

Environmental

Operating Temperature (°C [°F])	-55 – +85 [-67 – +185]

Conditions for Usage

Board-to-Board Configuration	Right Angle

Operation/Application

Industry Application	Networking (Communications)

Packaging Features

Packaging Method	Tube/Box

Other

Brand	TE Connectivity

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