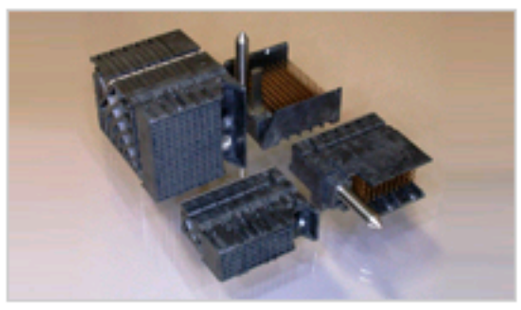
2132009-1 Product Details



Preliminary

Impact High Density Backplane Connectors

IMP100,S,H,V6P14C,UG,46,4.5

2132009-1

TE Internal Number: 2132009-1

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

Product Highlights View All

- Connector Style = Header
- 168/Signal, 84/Ground
- 252 Positions
- Header Type = Partially Shrouded
- Board-to-Board Configuration = Right Angle, Vertical

Documents | Features | Compliance

Please Note:
Use the Product Drawing for all design activity

Product Type Features

PCB Mount Retention Type	Action/Compliant Tail
PCB Mount Alignment Type	None

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])	27.90 [1.0984]
Width (Z-Axis) (mm [in])	28.90 [1.1378]
Profile Height (Y-Axis) (mm [in])	11.95 [0.470]
PCB Hole Diameter (mm [in])	0.46 [0.018]

Body Features

Header Type	Partially Shrouded

Contact Features

Contact Type	Pin
Contact Length (mm [in])	4.50 [0.177]
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	Header
End Wall Location	Left
Housing Color	Black
Housing Material	LCP (Liquid Crystal Polymer)

Configuration Features

Connector Contact Configuration (No. of Pos./Type)	168/Signal, 84/Ground
Number of Positions	252
Number of Differential Pairs Per Column	6
Number of Columns	14
Number of Rows	18
Shrouded	Yes - Partial
Guide Location	Unguided
Tail Orientation	In-line

Industry Standards

RoHS/ELV Compliance	Not reviewed for ELV/RoHS compliance
Lead Free Solder Processes	Not relevant for lead free process
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, Vertical

Operation/Application

Industry Application	Networking (Communications)

Packaging Features

Packaging Method	Tube/Box

Other

Brand	TE Connectivity

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