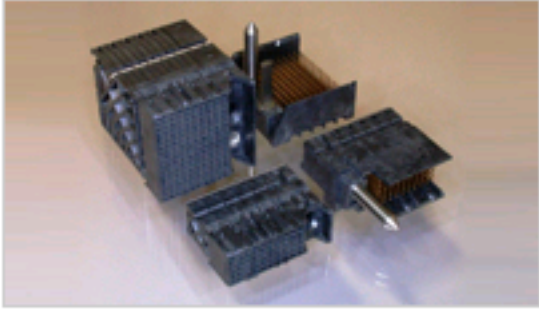




# 2143053-3 Product Details

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Preliminary

## Impact High Density Backplane Connectors

IMP100,S,H,V6P12C,UG,39,5.5

**2143053-3**

TE Internal Number: 2143053-3

### Product Highlights [View All](#)

- Connector Style = Header
- 144/Signal, 72/Ground
- 216 Positions
- Header Type = Partially Shrouded
- Board-to-Board Configuration = Right Angle, Vertical

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### 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])	22.70 [0.8937]
Width (Z-Axis) (mm [in])	28.90 [1.1378]
Profile Height (Y-Axis) (mm [in])	11.95 [0.470]
PCB Hole Diameter (mm [in])	0.39 [0.015]
Body Features	
Header Type	Partially Shrouded
Contact Features	
Contact Type	Pin
Contact Length (mm [in])	5.50 [0.217]
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	Open
Housing Color	Black
Housing Material	LCP (Liquid Crystal Polymer)

Configuration Features	
Connector Contact Configuration (No. of Pos./Type)	144/Signal, 72/Ground
Number of Positions <sup>?</sup>	216
Number of Differential Pairs Per Column	6
Number of Columns	12
Number of Rows <sup>?</sup>	18
Shrouded	Yes - Partial
Guide Location	Unguided
Tail Orientation	In-line

Industry Standards	
RoHS/ELV Compliance <sup>?</sup>	Not reviewed for ELV/RoHS compliance
Lead Free Solder Processes <sup>?</sup>	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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