



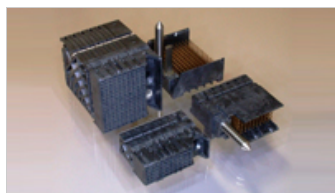
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2007736-1 Product Details

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Active

Impact High Density Backplane Connectors

IMP100,S,R,RA6P10C,LG,46

2007736-1

TE Internal Number: 2007736-1

Product Highlights [View All](#)

- Connector Style = Receptacle
- 120/Signal, 60/Ground
- 180 Positions
- Board-to-Board Configuration = Right Angle
- Number of Differential Pairs Per Column = 6

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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])	19.00 [0.748]
Width (Z-Axis) (mm [in])	37.30 [1.469]
Profile Height (Y-Axis) (mm [in])	25.40 [1.000]
PCB Hole Diameter (mm [in])	0.46 [0.018]

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]
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Conditions for Usage

Board-to-Board Configuration	Right Angle
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Operation/Application

Contact Features		Industry Application
Contact Type	Socket	Networking (Communications)
Contact Plating, Termination Area, Material		Packaging Features
Contact Plating, Termination Area, Thickness (µm [µin])	Matte Tin	Packaging Method
Contact Plating, Termination Area, Thickness (µm [µin])	1.27 [50]	Tube/Box
Contact Base Material		Other
Contact Base Material	Copper-Nickel-Silicon	Brand
Underplate Material		TE Connectivity
Underplate Material	Nickel	
Underplate Material Thickness (µm [µin])		
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)	120/Signal, 60/Ground	
Number of Positions	180	
Number of Differential Pairs Per Column	6	
Number of Columns	10	
Number of Rows	18	
Guide Location	Left	
Tail Orientation	In-line	

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