

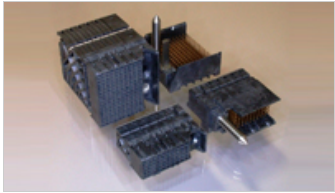


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2007701-1 Product Details

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Active

Impact High Density Backplane Connectors

IMP100,S,R,RA3P10C,RG,46

2007701-1

TE Internal Number: 2007701-1

Product Highlights [View All](#)

- Connector Style = Receptacle
- 60/Signal, 30/Ground
- 90 Positions
- Board-to-Board Configuration = Right Angle
- Number of Differential Pairs Per Column = 3

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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])	26.60 [1.047]
Width (Z-Axis) (mm [in])	24.20 [0.953]
Profile Height (Y-Axis) (mm [in])	13.30 [0.524]
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 ($^{\circ}\text{C}$ [$^{\circ}\text{F}$])	-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	Networking (Communications)
Contact Type	Socket	Packaging Features	
Contact Plating, Termination Area, Material	Matte Tin		
Contact Plating, Termination Area, Thickness (µm [µin])	1.27 [50]	Packaging Method	Tube/Box
Contact Base Material	Copper-Nickel-Silicon	Other	
Underplate Material	Nickel		
Underplate Material Thickness (µm [µin])	1.27 [50.000]	Brand	TE Connectivity
Housing Features			
Connector Style	Receptacle		
Housing Color	Black		
Housing Material	LCP (Liquid Crystal Polymer)		
Configuration Features			
Connector Contact Configuration (No. of Pos./Type)	60/Signal, 30/Ground		
Number of Positions	90		
Number of Differential Pairs Per Column	3		
Number of Columns	10		
Number of Rows	9		
Guide Location	Right		
Tail Orientation	In-line		

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