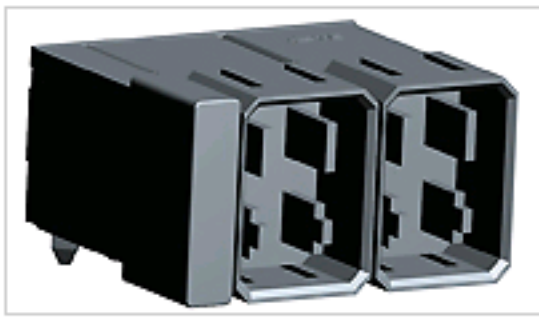


2180850-7 Product Details

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Impact High Density Backplane Connectors

IMP,PWR,3PR,HDR,L-HLD,2X,797-3,797-6

2180850-7

TE Internal Number: 2180850-7

Active

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Product Highlights [View All](#)

- Connector Style = Header
- 16/Power
- 32 Positions
- Header Type = Partially Shrouded
- Board-to-Board Configuration = Right Angle

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Feedback

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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

Operating Voltage Reference	AC rms, DC
Operating Voltage (VAC)	250
Operating Voltage (VDC)	250

Dimensions

Stack Height (mm [in])	14.88 [0.585]
Tail Length (mm [in])	2.5 [0.098]
Length (X-Axis) (mm [in])	23.97 [0.9436]
Width (Z-Axis) (mm [in])	26.40 [1.0394]
Profile Height (Y-Axis) (mm [in])	14.88 [0.5858]
PCB Hole Diameter (mm [in])	0.725 [0.0285]

Body Features

Header Type	Partially Shrouded
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Contact Features

Contact Type	Pin
Contact Length (mm [in])	5.70 [0.224], 6.90 [0.271]
Contact Plating, Termination Area, Material	Matte Tin
Contact Plating, Termination Area, Thickness (µm [µin])	2.54 [100]
Contact Base Material	Copper Alloy
Underplate Material	Nickel
Underplate Material Thickness (µm [µin])	1.27 [50.000]

Housing Features

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

Configuration Features

Connector Contact Configuration (No. of Pos./Type)	16/Power
Number of Positions	32
Number of Columns	4
Number of Rows	4
Tail Orientation	In-line

Industry Standards

RoHS/ELV Compliance	RoHS compliant, ELV compliant
Lead Free Solder Processes	Not reviewed for lead free solder 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

Industry Application	Networking (Communications)
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Packaging Features

Packaging Method	Tray/Box
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Other

Brand	TE Connectivity
Comment	Parts are shipped with a 2-32 AB Type Self-Tapping Screw, 2057509-2.

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