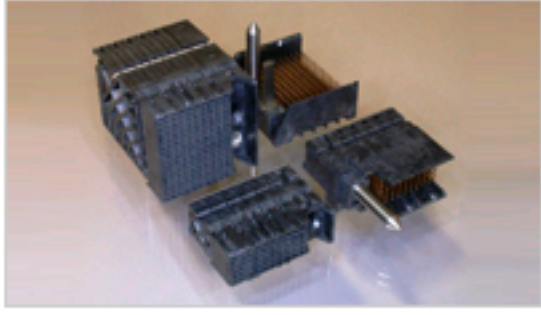


2143623-1 Product Details

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Preliminary

Impact High Density Backplane Connectors

IMP100,O,H,V5P8C,UG,LEW46

2143623-1

TE Internal Number: 2143623-1

Product Highlights [View All](#)

- Connector Style = Header
- 80/Signal, 40/Ground
- 120 Positions
- Header Type = Partially Shrouded
- Board-to-Board Configuration = Orthogonal, 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]) | 17.45 [0.687] |
| Width (Z-Axis) (mm [in]) | 24.80 [0.9763] |
| 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) | 80/Signal, 40/Ground |
| Number of Positions | 120 |
| Number of Differential Pairs Per Column | 5 |
| Number of Columns | 8 |
| Number of Rows | 15 |
| 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 reviewed for lead free solder 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 | Orthogonal, Vertical |

| Operation/Application | |
|-----------------------|-----------------------------|
| Industry Application | Networking (Communications) |

| Packaging Features | |
|--------------------|----------|
| Packaging Method | Tube/Box |

| Other | |
|-------|-----------------|
| Brand | TE Connectivity |

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