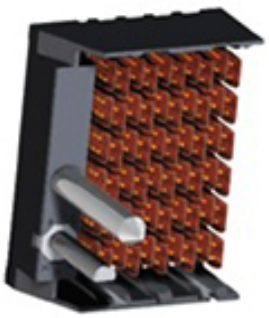
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Part Number: 1717555827
Status: Active
Overview: Impel™ and Impel™ Plus Backplane Solutions
Description: Impel™ 92 Ohm, 6 Pair Vertical Backplane Header, 3.00mm Pitch, Right Guided, Key Orientation B, Open Endwalls, 8 Columns, 96 Circuits, Pin Length 4.90mm, Plated Through Hole Dimension 0.36mm



Series image - Reference only

Documents:

- 3D Model
- Drawing (PDF)
- Product Specification PS-171320-999-001 (PDF)
- Application Specification AS-171320-990-001 (PDF)
- Application Specification AS-171320-991-001 (PDF)
- Application Specification AS-171320-992-001 (PDF)
- RoHS Certificate of Compliance (PDF)

Agency Certification

UL	E29179

General

Product Family	Backplane Connectors
Series	171755
Application	Backplane
Component Type	PCB Header
Overview	Impel™ and Impel™ Plus Backplane Solutions
Product Name	Impel™
UPC	887191440576

Physical

Circuits (Loaded)	96
Color - Resin	Black
Durability (mating cycles max)	200
First Mate / Last Break	No
Flammability	94V-0
Guide to Mating Part	Yes
Keying to Mating Part	Yes
Material - Metal	High Performance Alloy (HPA)
Material - Plating Mating	Gold
Material - Plating Termination	Nickel, Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	11.872/g
Number of Columns	8
Number of Pairs	6
Number of Rows	12
Orientation	Vertical
PC Tail Length	1.30mm
PCB Locator	No
PCB Retention	None
PCB Thickness - Recommended	1.00mm
Packaging Type	Tray
Pitch - Mating Interface	3.00mm
Pitch - Termination Interface	3.00mm
Plating min - Mating	0.762µm
Temperature Range - Operating	-55°C to +85°C

Electrical

Current - Maximum per Contact	0.75A
Data Rate	40.0 Gbps
Impedance	92Ω
Shield Type	Full Shield

EU ELV
Not Relevant

EU RoHS | **China RoHS**
Compliant

REACH SVHC
Not Contained Per -ED/01/2017 (12 January 2017)

Halogen-Free Status
Low-Halogen

Need more information on product environmental compliance?

Email productcompliance@molex.com
Please visit the Contact Us section for any non-product compliance questions.

China ROHS	Green Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

Search Parts in this Series
171755 Series

Mates With
Impel™ Right-Angle Daughtercard
171760-5238

Application Tooling | **FAQ**
Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.

Global

Description	Product #
Impel™ Daughtercard Module Installation Press-In Tool	0622018969

Voltage - Maximum	150V AC (RMS)
Solder Process Data	
Lead-freeProcess Capability	N/A
Material Info	
Reference - Drawing Numbers	
Application Specification	AS-171320-990-001, AS-171320-991-001, AS-171320-992-001
Product Specification	PS-171320-999-001
Sales Drawing	SD-171755-0004
Symbol/Footprint Data	SYM-171755-5204, SYM-171755-5205, SYM-171755-5207, SYM-171755-5208, SYM-171755-5804, SYM-171755-5805, SYM-171755-5807, SYM-171755-5808

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