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Part Number:

1727301138

Status:

Active

Overview:

Impel and Impel Plus Backplane Solutions

Description:

Impel Plus 90 Ohm 3 Pair Right-Angle Daughtercard, 1.90mm Pitch, Unguided, 8 Columns, 48 Circuits, Plated Through Hole Dimension 0.31mm



Documents:

[Drawing \(PDF\)](#)

[Product Specification 1727409990-000 \(PDF\)](#)

[Application Specification AS-172730-990-001 \(PDF\)](#)

[Packaging Specification PK-78888-083-001 \(PDF\)](#)

[RoHS Certificate of Compliance \(PDF\)](#)

General	
Product Family	Backplane Connectors
Series	172730
Application	Daughtercard
Application Tooling Documents	TM-622018899
Component Type	PCB Receptacle
Overview	Impel and Impel Plus Backplane Solutions
Product Name	Impel Plus
UPC	889056706568
Physical	
Circuits (Loaded)	48
Circuits (maximum)	48
Color - Resin	Black
Durability (mating cycles max)	200
First Mate / Last Break	No
Guide to Mating Part	No
Keying to Mating Part	None
Material - Metal	High Performance Alloy (HPA)
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	14.040/g
Number of Columns	8
Number of Pairs	3
Number of Rows	6
Orientation	Right Angle
PC Tail Length	1.30mm
PCB Locator	No
PCB Retention	None
PCB Thickness - Recommended	1.00mm
Packaging Type	Tray
Pitch - Mating Interface	1.90mm
Pitch - Termination Interface	1.90mm
Plating min - Mating	0.762µm
Temperature Range - Operating	-55° to +85°C
Termination Interface: Style	Through Hole - Compliant Pin
Electrical	
Current - Maximum per Contact	0.75A
Data Rate	56 Gbps
Impedance	90Ω
Shield Type	Full Shield
Shielded	Yes
Voltage - Maximum	150V AC (RMS)/DC

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

REACH SVHC

Not Contained Per - D(2020)4578-DC (25 June 2020)

Halogen-Free

Status

Low-Halogen

For more information, please visit [Contact US](#)

China ROHS

Green Image

ELV

Not Relevant

RoHS Phthalates

Not Contained

Search Parts in this Series

172730 Series

Mates With

Impel Backplane Header [171335](#)

Solder Process Data

Lead-freeProcess Capability	N/A
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Material Info

Reference - Drawing Numbers

Application Specification	AS-172730-990-001
Packaging Specification	PK-78888-083-001
Product Specification	1727409990-000
Sales Drawing	SD-172730-0001-000

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