

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [171990-1038](#)
Status: **Active**
Overview: Impel™ Backplane Connector and Cable Assembly System
Description: Impel™ 92 Ohm, 3 Pair Right-Angle Daughtercard, 1.90mm Pitch, Unguided, 8 Columns, 48 Circuits, Plated Through Hole Dimension 0.36mm

Documents:

[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Product Specification PS-171320-999 \(PDF\)](#)

Agency Certification

UL E29179

General

Product Family	Backplane Connectors
Series	171990
Application	Daughtercard
Component Type	PCB Receptacle
Overview	Impel™ Backplane Connector and Cable Assembly System
Product Name	Impel™
Style	N/A
UPC	887191383712

Physical

Circuits (Loaded)	48
Color - Resin	Black
Durability (mating cycles max)	200
First Mate / Last Break	Yes
Flammability	94V-0
Guide to Mating Part	No
Keying to Mating Part	None
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Tin over Nickel
Material - Resin	Liquid Crystal Polymer
Net Weight	14.226/g
Number of Columns	8
Number of Pairs	3
Number of Rows	9
Orientation	Right Angle
PC Tail Length	5.50mm
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	-40°C to +105°C

Electrical

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



image - Reference only

Series

EU RoHS

ELV and RoHS Compliant
REACH SVHC Contains SVHC: No
Low-Halogen Status Low-Halogen

China RoHS



Need more information on product environmental compliance?

Email productcompliance@molex.com
 For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series

[171990Series](#)

Mates With

[171335 Impel™ Backplane Assembly](#)

Voltage - Maximum

30V AC (RMS)/DC

Material Info

Reference - Drawing Numbers

Product Specification
Sales Drawing

PS-171320-999, RPS-171320-989
SD-171990-0001

This document was generated on 10/30/2014

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION