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Part Number: [1050206001](#)
Status: **Active**
Overview: [DisplayPort* and Mini DisplayPort Interconnect System](#)
Description: 0.50mm Pitch DisplayPort* Male Receptacle, Right Angle, Through Hole, DIP Type, 0.76µm Gold (Au) Plating, Solder Tail Length 1.80mm, 20 Circuits, Lead-Free

Documents:

3D Model	Packaging Specification PK-105196-001 (PDF)
Drawing (PDF)	Packaging Specification PK-105281-001 (PDF)
Product Specification PS-47272-001-001 (PDF)	RoHS Certificate of Compliance (PDF)
Packaging Specification PK-105020-001-001 (PDF)	

General

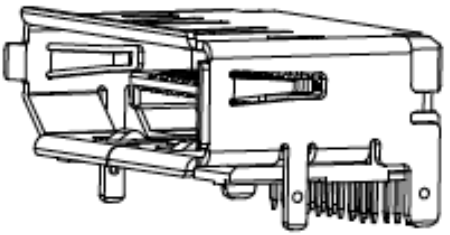
Product Family	I/O Connectors
Series	105020
Application	Wire-to-Board
Comments	Without Flange. Without Cover
Component Type	Receptacle
Overview	DisplayPort* and Mini DisplayPort Interconnect System
Product Name	DisplayPort*
Type	N/A
UPC	884982127968

Physical

Boot Color	N/A
Circuits (Loaded)	20
Circuits (maximum)	20
Color - Resin	Black
Gender	Male
Keying to Mating Part	Yes
Lock to Mating Part	Yes
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Tin-Bismuth
Material - Resin	High Temperature Thermoplastic
Net Weight	2.165/g
Number of Rows	2
Orientation	Right Angle
PCB Locator	No
PCB Retention	Yes
PCB Thickness - Recommended	1.40mm
Packaging Type	Embossed Tape on Reel
Panel Mount	Without Flange
Pitch - Mating Interface	0.50mm
Pitch - Termination Interface	0.50mm
Plating min - Mating	0.762µm
Plating min - Termination	1.016µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Ports	1
Temperature Range - Operating	-20°C to +85°C
Termination Interface: Style	Through Hole
Waterproof / Dustproof	No

Electrical

Current - Maximum per Contact	0.5A
Grounding to Panel	Yes



Series image - Reference only

EU ELV

Not Relevant

EU 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

[105020](#) Series

Shielded
Voltage - Maximum

Yes
40V AC

Solder Process Data

Duration at Max. Process Temperature (seconds)
Lead-freeProcess Capability
Max. Cycles at Max. Process Temperature
Process Temperature max. C

003
REFLOW
001
250

Material Info

Reference - Drawing Numbers

Electrical Model Document
Packaging Specification
Product Specification
Sales Drawing

EE-105020-001
PK-105020-001-001, PK-105196-001, PK-105281-001
PS-47272-001-001
SD-105020-003-001

* DisplayPort is a Trademark of VESA

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