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Part Number: [1050190001](#)
Status: **Active**
Overview: DisplayPort* and Mini DisplayPort Interconnect System
Description: 0.50mm Pitch DisplayPort* Male Receptacle, Right Angle, Surface Mount, Reverse Type, 0.76µm Gold (Au) Plating, 20 Circuits, without Peg, Lead-Free

Documents:

3D Model	Product Specification TS-105019-001-009 (PDF)
Drawing (PDF)	Packaging Specification PK-105019-001 (PDF)
Product Specification PS-47272-001-001 (PDF)	RoHS Certificate of Compliance (PDF)

General

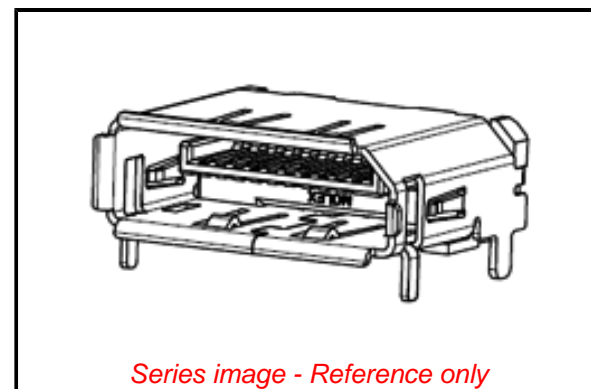
Product Family	I/O Connectors
Series	105019
Application	Wire-to-Board
Comments	Without Post
Component Type	Receptacle
Overview	DisplayPort* and Mini DisplayPort Interconnect System
Product Name	DisplayPort*
Type	N/A
UPC	822350969123

Physical

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	2.738/g
Number of Rows	2
Orientation	Right Angle
PCB Locator	No
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm
Packaging Type	Embossed Tape on Reel
Panel Mount	Yes
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	Surface Mount
Waterproof / Dustproof	No

Electrical

Current - Maximum per Contact	0.5A
Grounding to Panel	Yes
Shield Type	Full Shield
Shielded	Yes



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

REACH SVHC

Not Contained Per -
ED/30/2017 (7 July
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

[105019 Series](#)

Voltage - Maximum 40V AC

Solder Process Data

Duration at Max. Process Temperature (seconds) 010

Lead-free Process Capability REFLOW

Max. Cycles at Max. Process Temperature 001

Process Temperature max. C 250

Material Info

Reference - Drawing Numbers

Packaging Specification PK-105019-001

Product Specification PS-47272-001-001, TS-105019-001-009

Sales Drawing SD-105019-001

* DisplayPort is a Trademark of VESA

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