

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

1050200003

Status:

Active

Overview:

displayport

Description:

0.50mm (.020") Pitch DisplayPort* Male Receptacle, Right Angle, Through Hole, DIP Type, 0.38µm (15µ") Gold (Au) Plating, 20 Circuits, without Flange or Cover, Leadfree

Documents:

3D Model

Drawing (PDF)

Product Specification PS-47272-001 (PDF)

RoHS Certificate of Compliance (PDF)

General

Product Family	I/O Connectors
Series	105020
Application	Wire-to-Board
Comments	Without Flange. Without Cover
Component Type	Receptacle
Overview	displayport
Product Name	DisplayPort*
Type	N/A

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
Number of Rows	2
Orientation	Right Angle
PCB Locator	No
PCB Retention	Yes
PCB Thickness Recommended (in)	0.063 In
PCB Thickness Recommended (mm)	1.60 mm
Packaging Type	Embossed Tape on Reel
Panel Mount	Without Flange
Pitch - Mating Interface (in)	0.039 In
Pitch - Mating Interface (mm)	0.50 mm
Pitch - Term. Interface (in)	0.039 In
Pitch - Term. Interface (mm)	0.50 mm
Plating min: Mating (µin)	15
Plating min: Mating (µm)	0.38
Plating min: Termination (µin)	40
Plating min: Termination (µm)	1
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

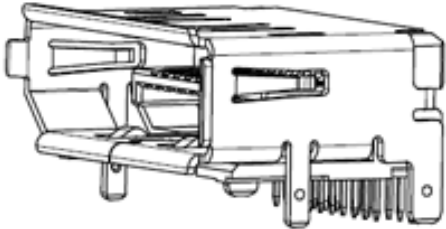


image - Reference only

Series

EU RoHS
ELV and RoHS
Compliant
REACH SVHC
Not Reviewed
Halogen-Free
Status
Not Reviewed

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
[105020Series](#)

Current - Maximum per Contact	0.5A
Grounding to Panel	Yes
Shielded	Yes
Voltage - Maximum	40V AC

Material Info

Reference - Drawing Numbers

Packaging Specification	PK-105020-001
Product Specification	PS-47272-001
Sales Drawing	SD-105020-001

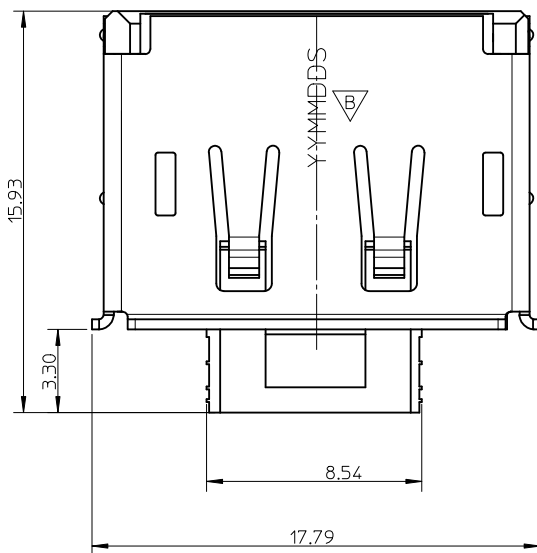
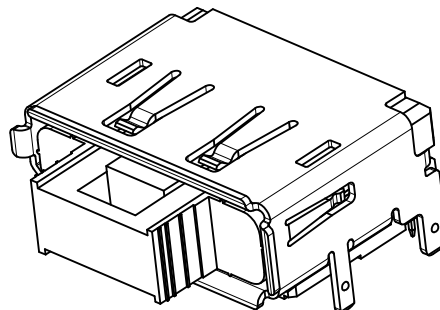
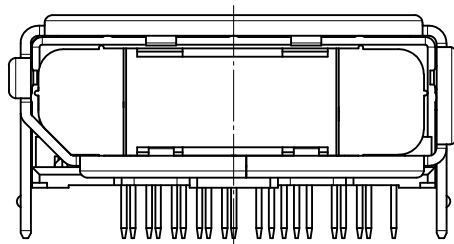
* DisplayPort is a Trademark of VESA

This document was generated on 05/31/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

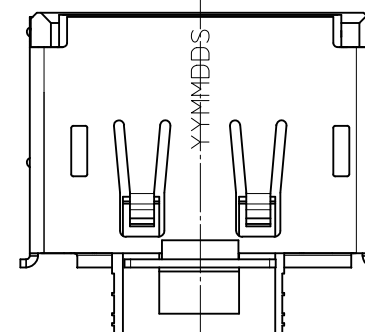
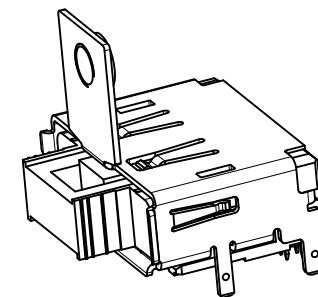
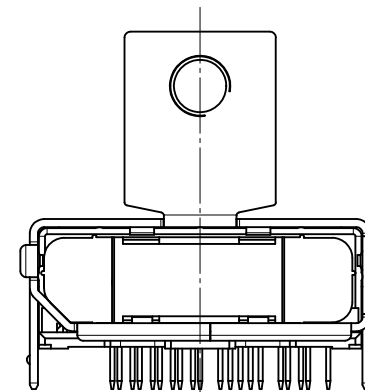
	10	9	8	7	6	5	4	3	2	1			
F	ASSEMBLY NO.	FLANGE	PLATING IN THE CONTACT AREA	PLATING IN THE SOLDER TAIL AREA	WITH COVER	REMARK						F	
	105020-0001	WITHOUT	SEE NOTE2(1)	SEE NOTE2(a)	WITHOUT	FOR SHEET 1							
	105020-0003		SEE NOTE2(2)										
	105020-0004		SEE NOTE2(3)										
E	105020-0013		SEE NOTE2(1)	SEE NOTE2(b)	WITHOUT	FOR SHEET 2							E
	105020-0002	WITH	SEE NOTE2(1)	SEE NOTE2(a)									
	105020-0005		SEE NOTE2(2)										
	105020-0016		SEE NOTE2(3)										
D	105020-0007	WITHOUT	SEE NOTE2(1)	SEE NOTE2(a)	WITH	FOR SHEET 4							D
	105020-0008	WITH	SEE NOTE2(1)										
	105020-0009	WITHOUT	SEE NOTE2(2)										
	105020-0010		SEE NOTE2(3)										
	105020-0011	WITH	SEE NOTE2(2)										
	105020-0012		SEE NOTE2(3)										
C												C	
B												B	
A												A	

WITH COVER



- NOTES:
- 1.UNSPECIFIED DIMENSION ARE SAME AS SHEET1
 - 2.CONNECTOR WITH COVER IS RECOMMENDED FOR WAVING SOLDERING PEG
 - 3.PCB DIMENSION REFER TO SHEET1

WITH FLANGE AND COVER



- NOTES:
- 1.UNSPECIFIED DIMENSION ARE SAME AS SHEET1
 - 2.CONNECTOR WITH COVER IS RECOMMENDED FOR WAVING SOLDERING PEG
 - 3.PCB DIMENSION REFER TO SHEET1

REVISED EC NO: SH2010-0424 DRWN:HHE 2010/05/12 CHKD:FYANG05 2010/05/17 APPR:RZHANG 2010/06/14 D	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
					DRAWN BY DATE HHE 2007-05-21		TITLE 1.0MM PITCH DIP TYPE DISPLAY PORT HEADER -LEAD FREE-			
					CHECKED BY DATE HWANG 2007-05-21					
					APPROVED BY DATE JNCHEN 2007-05-21		MOLEX MOLEX INCORPORATED			
					MATERIAL NO.					
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET3		SD-105020-001		4 OF 4	
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										