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Part Number:

1050200007

Status:

Active

Overview:

displayport

Description:

0.50mm (.020") Pitch DisplayPort* Male Receptacle, Right Angle, Through Hole, DIP Type, 0.76µm (30µ") Gold (Au) Plating, 20 Circuits, without Flange, with 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. With 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)	30
Plating min: Mating (µm)	0.76
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

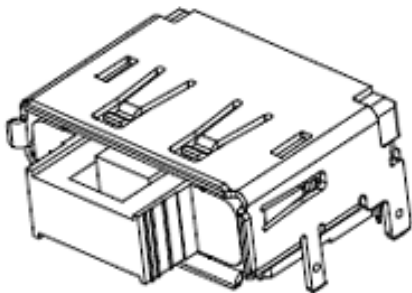


image - Reference only

Series

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

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](#)

Electrical

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

Material Info

Reference - Drawing Numbers

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

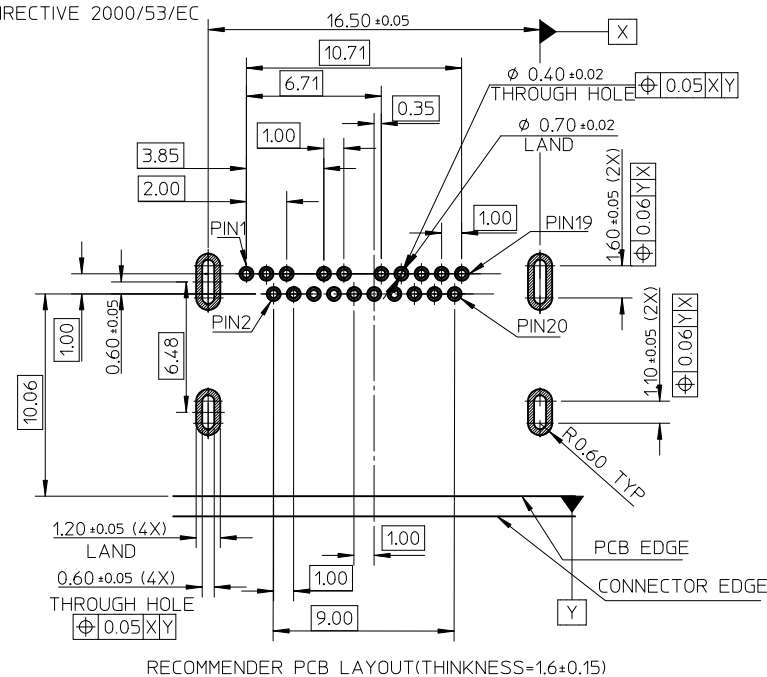
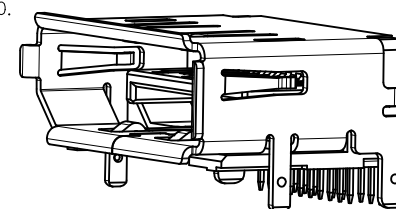
* DisplayPort is a Trademark of VESA

This document was generated on 05/26/2010

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3. PRODUCT COMPLANT TO ROHS DIERTIVE 2002/95/EC AND ELV DIRECTIVE 2000/53/EC



RECOMMENDER PCB LAYOUT(THINKNESS=1.6±0.15)

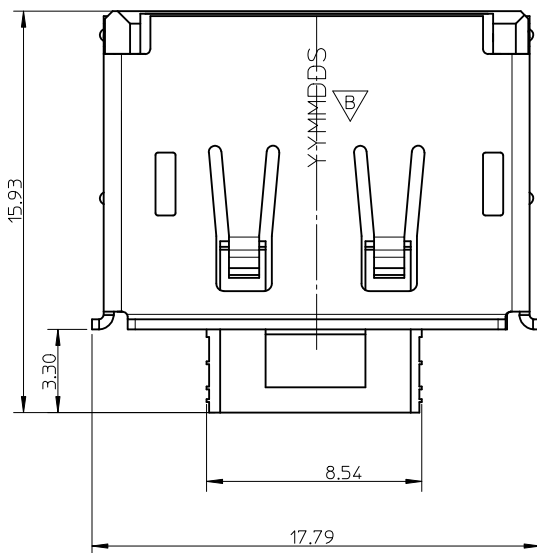
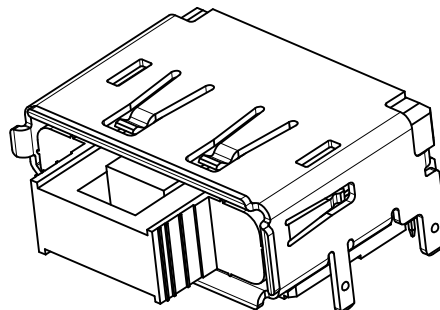
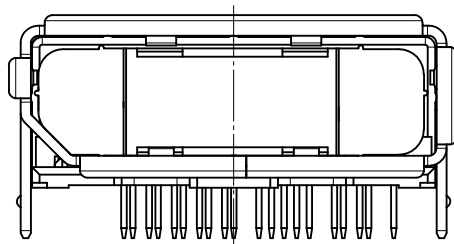
BOTTOM VIEW

REVISED EC NO: SH2010-0424 DRAWN BY DRWN:HHE CHK'D:FYANG05 APPR:RZHANG	DESCRIPTION	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION 		
				mm	INCH	DRAWN BY HHE	DATE 2007-05-21	TITLE 1.0MM PITCH DIP TYPE DISPLAY PORT HEADER -LEAD FREE-  MOLEX INCORPORATED			
			4 PLACES	±---	±---	CHECKED BY	DATE				
			3 PLACES	±---	±---	HWWANG	2007-05-21				
			2 PLACES	±0.2	±---	APPROVED BY	DATE				
			1 PLACE	±0.2	±---	JNCHEN	2007-05-21				
			ANGULAR ± 1 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET3 SIZE A3		SD-105020-001		1 OF 4		
REV	D	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									

	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					
	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	WITH	SEE NOTE2(1)	SEE NOTE2(a)	WITHOUT	FOR SHEET 2					
	105020-0002		SEE NOTE2(1)								
	105020-0005		SEE NOTE2(2)								
	105020-0016	WITHOUT	SEE NOTE2(3)								
D	105020-0007		SEE NOTE2(1)	SEE NOTE2(a)	WITH	FOR SHEET 4					
	105020-0008	WITH	SEE NOTE2(1)								
	105020-0009		SEE NOTE2(2)								
	105020-0010		SEE NOTE2(3)								
C	105020-0011	WITHOUT	SEE NOTE2(2)	SEE NOTE2(a)	WITH	FOR SHEET 4					
	105020-0012		SEE NOTE2(3)								
B											
A											

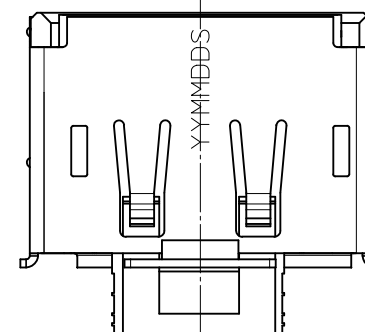
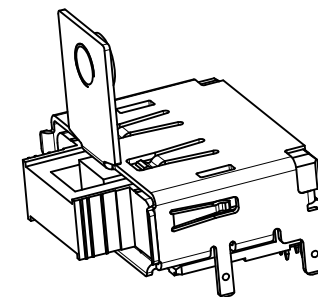
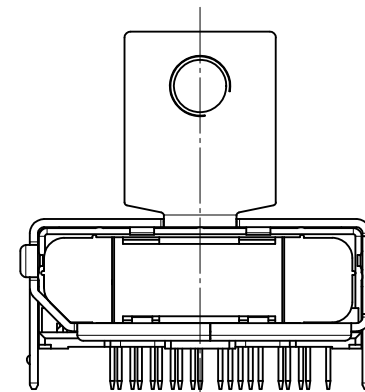
REVISED EC NO: SH2010-0424 2010/05/12 DRWN:HHE 2010/05/17 CHKD:FYANG05 2010/06/14 APPR:RZHANG REV	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION		
				MM ONLY		2:1	METRIC			
				DRAWN BY		DATE	TITLE			
				HHE		2007-05-21	1.0MM PITCH DIP TYPE			
		3 PLACES		CHECKED BY		DATE	DISPLAY PORT HEADER			
		2 PLACES		HWWANG		2007-05-21	-LEAD FREE-			
		1 PLACE		APPROVED BY		DATE	MOLEX INCORPORATED			
		ANGULAR ± 1 °		JNCHEN		2007-05-21				
		DRAFT WHERE APPLICABLE		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
		MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-105020-001		3 OF 4		
				SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
				A3						

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



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- 1.UNSPECIFIED DIMENSION ARE SAME AS SHEET1
 - 2.CONNECTOR WITH COVER IS RECOMMENDED FOR WAVING SOLDERING PEG
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				3 PLACES	± ---	± ---	APPROVED BY JNCHEN	DATE 2007-05-21	MOLEX INCORPORATED				
				2 PLACES	± 0.2	± ---	MATERIAL NO.						
D	REV			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET3		SD-105020-001		4 OF 4			
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