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Part Number:

1050200004

Status:

Active

Overview:

displayport

Description:

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

Documents:

3D Model

Drawing (PDF)

Product Specification PS-47272-001 (PDF)

RoHS Certificate of Compliance (PDF)

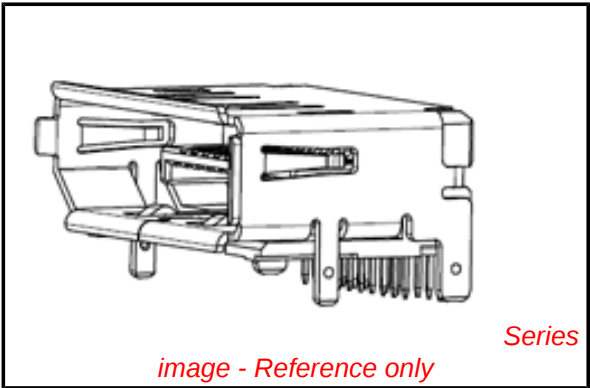
General

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)	2
Plating min: Mating (µm)	0.05
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



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

Solder Process Data

Duration at Max. Process Temperature (seconds)	3
Lead-free Process Capability	Reflow Capable (SMT only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	250

Material Info

Reference - Drawing Numbers

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

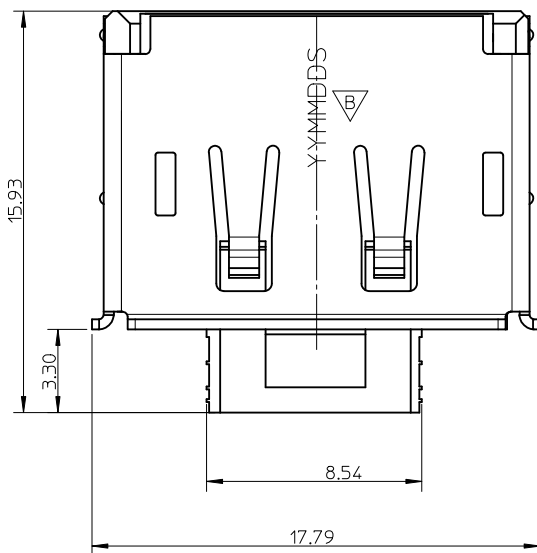
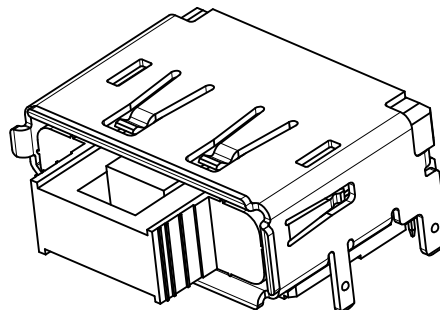
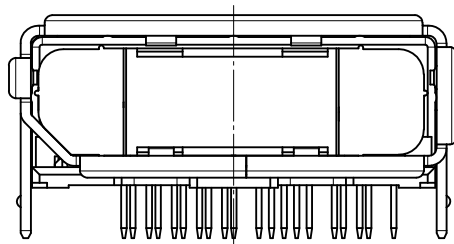
* DisplayPort is a Trademark of VESA

This document was generated on 05/31/2010

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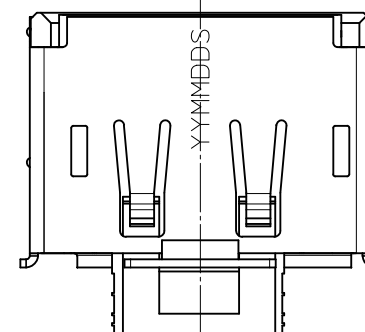
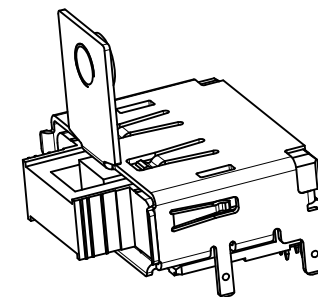
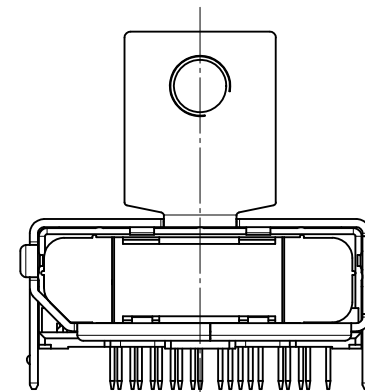
	10	9	8	7	6	5	4	3	2	1											
F	ASSEMBLY NO.	FLANGE	PLATING IN THE CONTACT AREA	PLATING IN THE SOLDER TAIL AREA	WITH COVER	REMARK						F									
	105020-0001	WITHOUT	SEE NOTE2(1)	SEE NOTE2(a)	WITHOUT	FOR SHEET 1															
	105020-0003		SEE NOTE2(2)																		
	105020-0004		SEE NOTE2(3)																		
	105020-0013		SEE NOTE2(1)	SEE NOTE2(b)																	
E	105020-0002	WITH	SEE NOTE2(1)	SEE NOTE2(a)	WITHOUT	FOR SHEET 2															
	105020-0005		SEE NOTE2(2)																		
	105020-0016		SEE NOTE2(3)																		
	105020-0007	WITHOUT	SEE NOTE2(1)																		
D	105020-0008	WITH	SEE NOTE2(1)			WITH						FOR SHEET 4									
	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	REVISED EC NO: SH2010-0424 DRWN:HHE 2010/05/12 CHKD:FYANG05 2010/05/17 APPR:RZHANG 2010/06/14 D QUALITY SYMBOLS ▽=0 ⊲=0 GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.2 ± --- 1 PLACE ± 0.2 ± --- ANGULAR ± 1 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS DIMENSION STYLE MM ONLY DRAWN BY HHE DATE 2007-05-21 CHECKED BY HWWANG DATE 2007-05-21 APPROVED BY JNCHEN DATE 2007-05-21 MATERIAL NO. SEE CHART SCALE 2:1 DESIGN UNITS METRIC THIRD ANGLE PROJECTION TITLE 1.0MM PITCH DIP TYPE DISPLAY PORT HEADER -LEAD FREE- MOLEX INCORPORATED DOCUMENT NO. SD-105020-001 SHEET NO. 3 OF 4 SIZE A3 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										A										
											tb_frame_A3_P_AM_T	9	8	7	6	5	4	3	2	1	

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	2010/05/12	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION		
	DRWN:HHE	2010/05/17				MM ONLY		2:1	METRIC			
	CHKD:FYANG05	2010/05/17				DRAWN BY DATE		TITLE				
	APPR:RZHANG	2010/06/14				HHE 2007-05-21						
	D	REV				CHECKED BY DATE		1.0MM PITCH DIP TYPE DISPLAY PORT HEADER -LEAD FREE-				
HWWANG 2007-05-21												
APPROVED BY DATE		MOLEX MOLEX INCORPORATED										
JNCHEN 2007-05-21												
MATERIAL NO.		DOCUMENT NO.					SHEET NO.					
SEE SHEET3		SD-105020-001					4 OF 4					
SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										