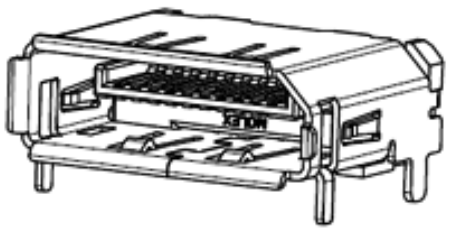
This document was generated on 05/31/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 1050190002
Status: Active
Overview: displayport
Description: 0.50mm (.020") Pitch DisplayPort* Male Receptacle, Right Angle, SMT, Reverse Type, 0.76µm (30µ") Gold (Au) Plating, 20 Circuits, with Peg, Leadfree



Series image - Reference only

Documents:

3D Model
Drawing (PDF)
Product Specification PS-47272-001 (PDF)
RoHS Certificate of Compliance (PDF)

General

Product Family	I/O Connectors
Series	105019
Application	Wire-to-Board
Comments	With Post
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	Yes
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	Yes
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	Surface Mount
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
105019Series

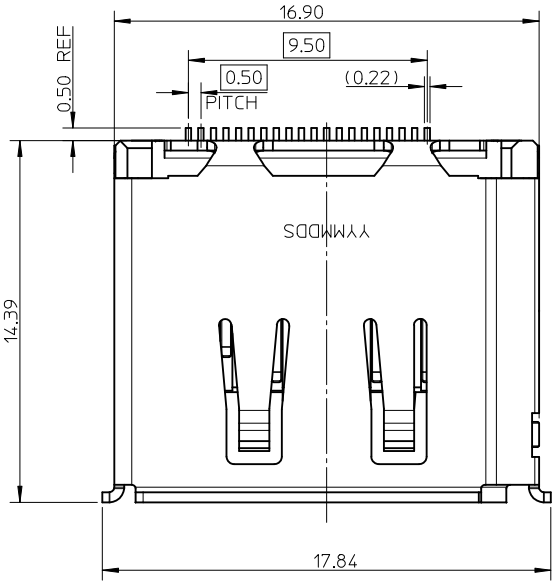
Current - Maximum per Contact	0.5A
Grounding to Panel	Yes
Shield Type	Full Shield
Shielded	Yes
Voltage - Maximum	40V AC

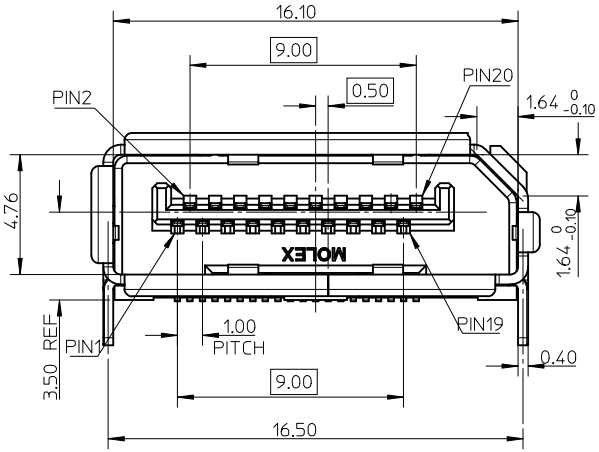
Material Info

Reference - Drawing Numbers

Product Specification	PS-47272-001
Sales Drawing	SD-105019-001

* DisplayPort is a Trademark of VESA





NOTES:

1.MATERIAL:

HOUSING:HIGH TEMPERATURE THERMAL PLASTIC,BLACK,30 GLASS FILLED, UL94V-0.

TERMINAL:COPPER ALLOY.

SHELL:0.4MM THICKNESS COPPER ALLOY.

2.PLATING:

TERMINAL:CONTACT AREA : (1)0.76MICROMETER GOLD PLATING

(2)GOLD FLASH PLATING

AND SOLDER TAIL(a) 1~3MICROMETER TIN BISMUTH UNDER PLATING

(b)GOLD FLSAH PLATING

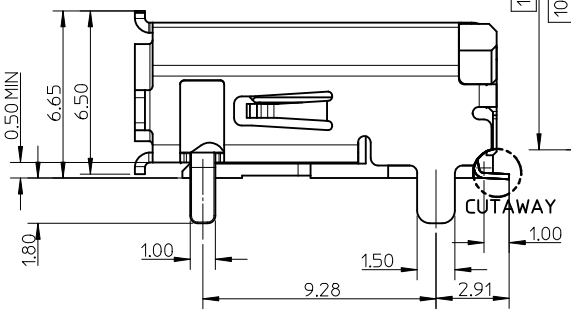
UNDER 1~3 MICROMETER NICKEL PLATING OVERALL

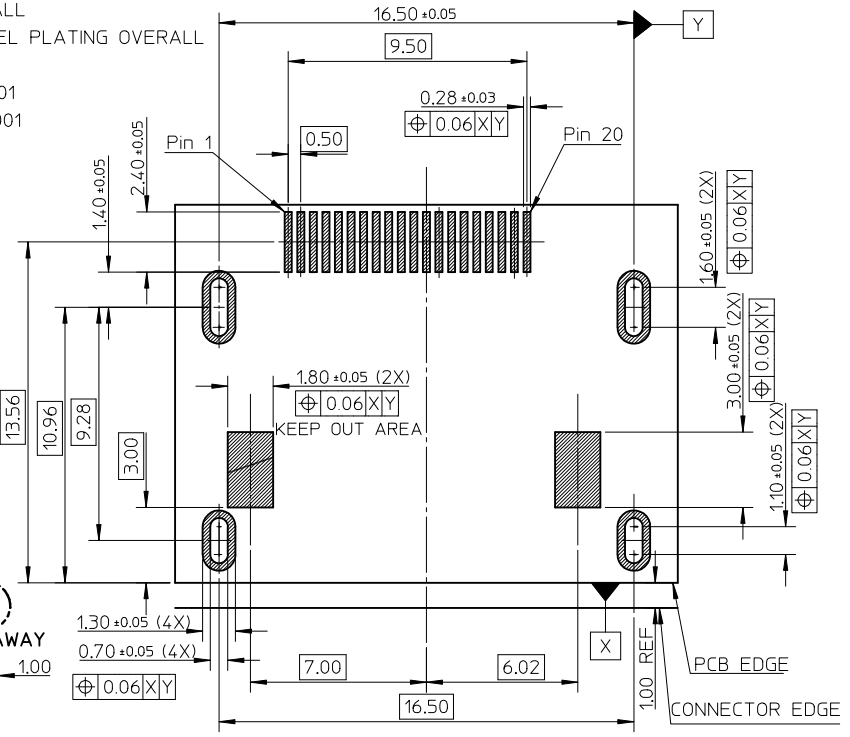
SHELL:1.27~2.54 MICROMETER SOLDERABLE NICKEL PLATING OVERALL

3. SOLDER TAIL COPLANARITY 0.10MAX.

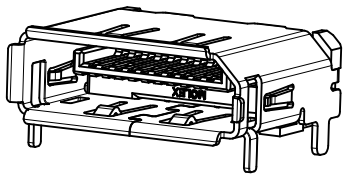
4. PRODUCT SPECIFICATION REFER TO PS-47272-001

5. PACKAGE SPECIFICATION REFER TO PK-105019-001



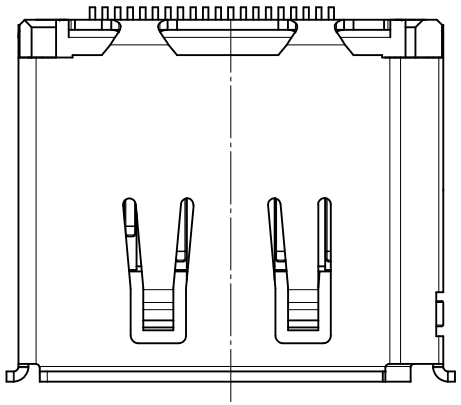


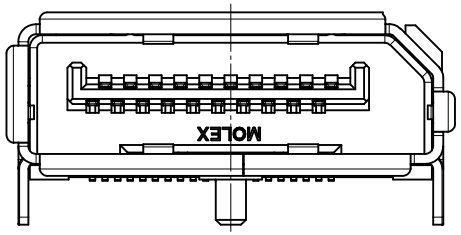
RECOMMENDED PCB LAYOUT(THICKNESS=1.6±0.15)

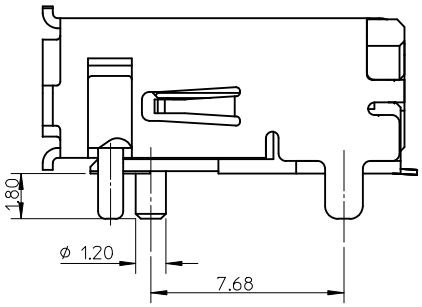


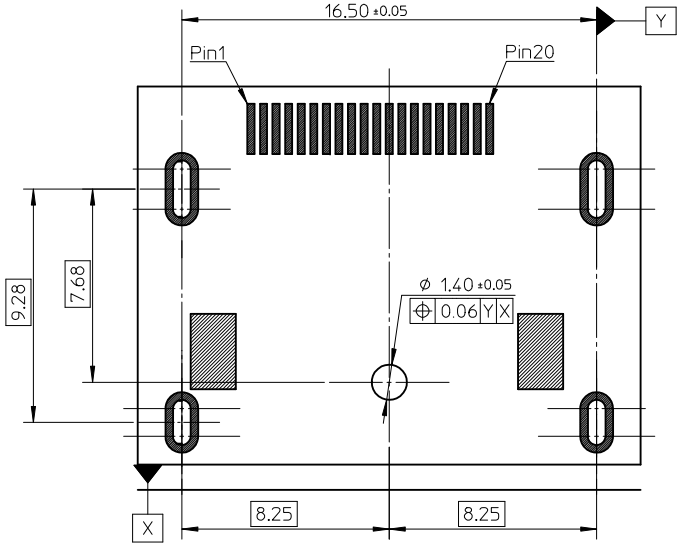
NEW RELEASE	2009/12/09	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE	SCALE	DESIGN UNITS
EC NO: SH2010-0188	2009/12/09	▼=0		mm / INCH	MM ONLY	5:1	METRIC
DRWN:HHE	2009/12/29	▽(C)=0	4 PLACES	± --- / ± ---			THIRD ANGLE PROJECTION
CHKD:FYANG05			3 PLACES	± --- / ± ---	DRAWN BY HHE	DATE 2007/05/12	TITLE: 1.0MM PITCH DISPLAY PORT REVERSE TYPE R/A RECEPTACLE-LEAD FREE-
APPR:RZHANG			2 PLACES	± 0.25 / ± ---	CHECKED BY HWWANG	DATE 2007/05/12	
DESCRIPTION			1 PLACE	± 0.25 / ± ---	APPROVED BY JNCHEN	DATE 2007/05/12	molex MOLEX INCORPORATED
REV B			ANGULAR ± 2 °		MATERIAL NO. SEE SHEET2		DOCUMENT NO. SD-105019-001 / SHEET NO. 1 OF 2
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	

P/N	POST	PLATING ON CONTACT AREA	PLATING ON SOLDEING TAIL
105019-0001	WITHOUT	SEE NOTE 2(1)	SEE NOTE 2(a)
105019-0002	WITH	SEE NOTE 2(1)	SEE NOTE 2(a)
105019-0005	WITHOUT	SEE NOTE 2(2)	SEE NOTE 2(a)
105019-0006	WITH	SEE NOTE 2(2)	SEE NOTE 2(a)
105019-0007	WITHOUT	SEE NOTE 2(1)	SEE NOTE 2(b)









WITH POST

NOTES:

1. UNSPECIFIED DIMENSION ARE SAME AS SHEET1

NEW RELEASE 2009/12/09
EC NO: SH2010-0188 2009/12/09
DRWN:HHE CH'KD:FYANG05 APPR:RZHANG 2009/12/29
DESCRIPTION
REV B

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.25	± ---
1 PLACE	± 0.25	± ---
ANGULAR ± 2 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 5:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

		DATE
DRAWN BY	HHE	2007/05/12
CHECKED BY	HWWANG	2007/05/12
APPROVED BY	JNCHEN	2007/05/12

TITLE: 1.0MM PITCH DISPLAY PORT REVERSE TYPE R/A RECEPTACLE-LEAD FREE-

MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-105019-001
SHEET NO.: 2 OF 2
SIZE: A3

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