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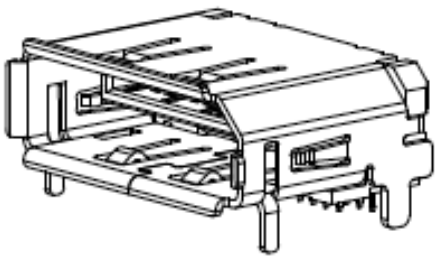
Part Number: 1050880001
Status: Active
Overview: displayport
Description: 0.50mm (.020") Pitch DisplayPort* Male Receptacle, Right Angle, SMT, Reverse Type, 0.76µm (30µ") Gold (Au) Plating, 20 Circuits, with Solder Tabs, Leadfree



Series image - Reference only

Documents:
Drawing (PDF)
RoHS Certificate of Compliance (PDF)
Product Specification PS-47272-001 (PDF)

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
105088Series

General

Product Family	I/O Connectors
Series	105088
Application	Wire-to-Board
Comments	With Solder Tabs
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
Durability (mating cycles max)	10,000
Gender	Male
Keying to Mating Part	Yes
Lock to Mating Part	Yes
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Number of Rows	2
Orientation	Right Angle
PCB Locator	No
PCB Retention	Yes
PCB Thickness Recommended (in)	0.055 In
PCB Thickness Recommended (mm)	1.40 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)	50
Plating min: Termination (µm)	1.27
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
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	2
Process Temperature max. C	250

Material Info

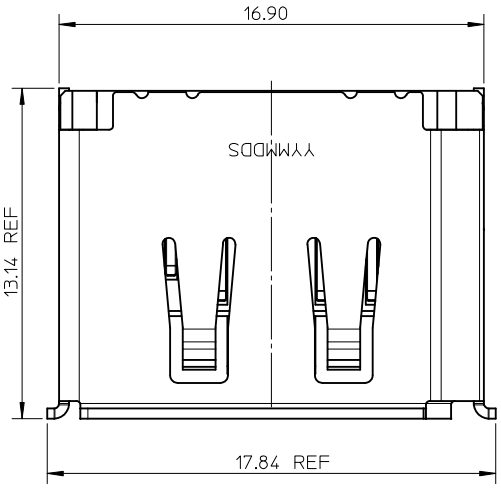
Reference - Drawing Numbers

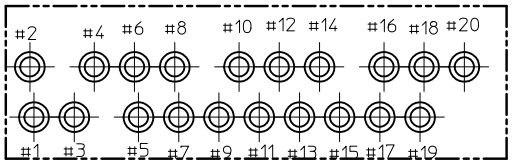
Packaging Specification	PK-105088-001
Product Specification	PS-47272-001
Sales Drawing	SD-105088-001

* DisplayPort is a Trademark of VESA

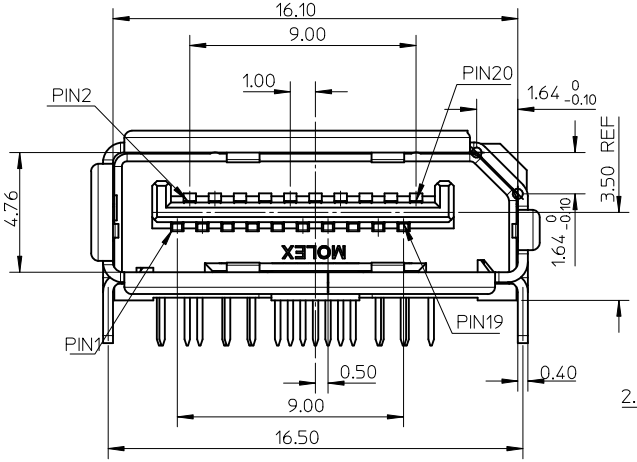
NOTES:

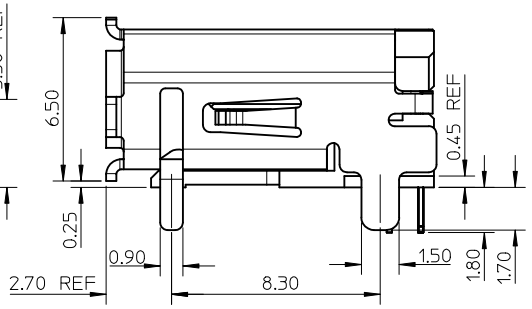
1. MATERIAL:
   HOUSING:HIGH TEMPERATURE THERMAL PLASTIC BLACK 30% GLASS FILLED,UL94V-0.
   GUIDE:HIGH TEMPERATURE THERMAL PLASTIC BLACK 30% GLASS FILLED,UL94V-0.
   TERMINAL: COPPER ALLOY
   SHELL: COPPER ALLOY
2. PLATING:
   TERMINAL:CONTACT AREA 0.76MICROMETER GOLD PLATING AND SOLDER TAIL 1.27MIN. MICROMETER MATTE TIN UNDER PLATING 1~3 MICROMETER NICKEL PLATING OVERALL
   SHELL:1.27MIN. MICROMETER SOLDERABLE NICKEL PLATING OVERALL
3. PRODUCT COMPLANT TO ROHS DIERTIVE 2002/95/EC AND ELV DIRECTIVE 2000/53/EC

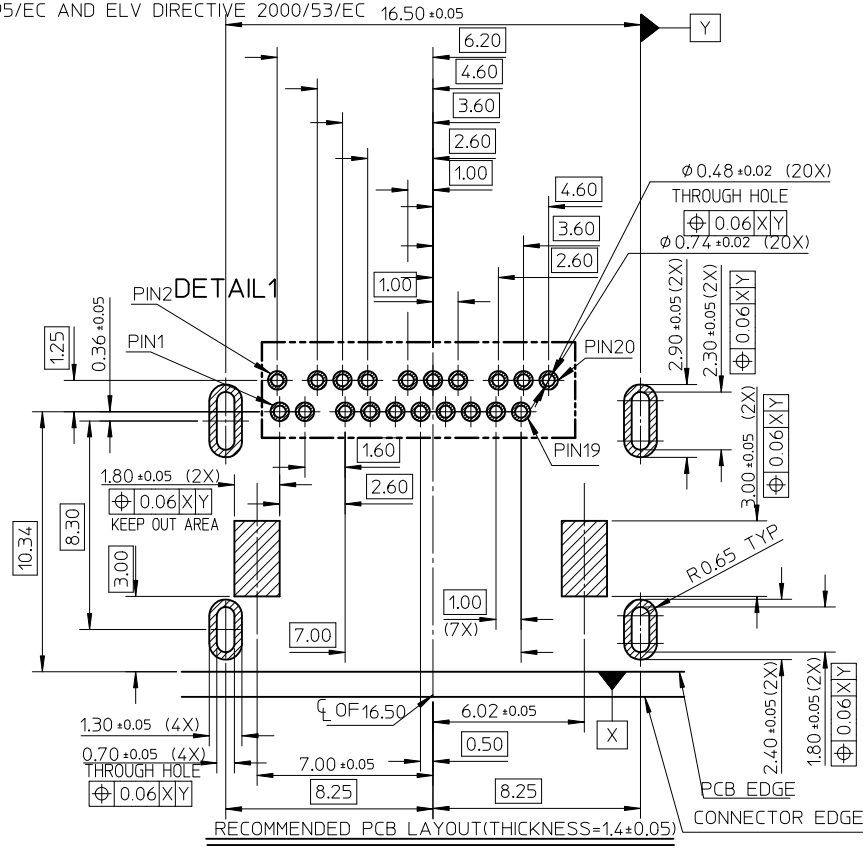


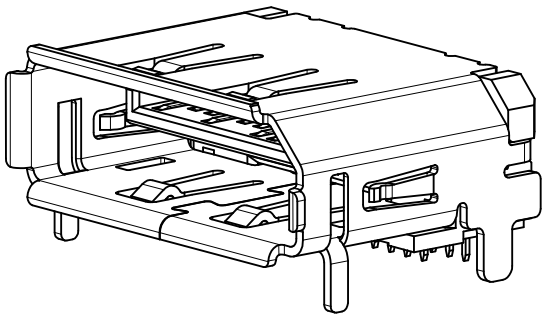


DETAIL1









NEW RELEASE	EC NO: SH2010-0299	DRWN:HHE	CH'KD:RZHANG	APPR:RZHANG	DESCRIPTION	REV
	2010/01/19	2009/02/05	2009/02/26	2010/02/26		A

QUALITY SYMBOLS
▼=0
Ⓒ=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.25	± ---
1 PLACE	± 0.30	± ---
ANGULAR ± 2 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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

DRAWN BY	DATE
HHE	2009/02/05
CHECKED BY	DATE
RZHANG	2009/02/05
APPROVED BY	DATE
RZHANG	2010/02/02
MATERIAL NO.	
105088-0001	

TITLE: 1.0MM PITCH REVERSE DIP DISPLAYPORT RECEPTACLE -LEAD FREE-

MOLEX INCORPORATED

DOCUMENT NO.: SD-105088-001

SHEET NO.: 1 OF 1

SIZE: A3