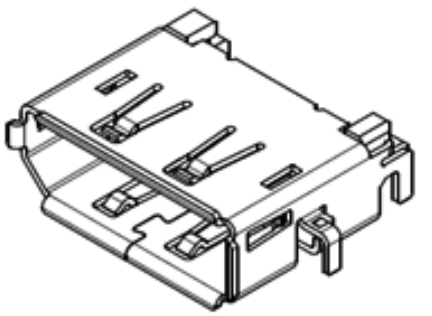
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This document was generated on 05/25/2010

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Part Number: 0476230001
Status: Active
Overview: displayport
Description: 0.50mm (.020") Pitch DisplayPort* Sink Type Midplane Male Receptacle, Right Angle, SMT, 0.76µm (30µ") Gold (Au) Plating, 20 Circuits, with extended side-SMT Tabs, High Temperature version, 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	47623
Application	Wire-to-Board
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)	0.061 In
PCB Thickness Recommended (mm)	1.56 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
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
47623Series

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

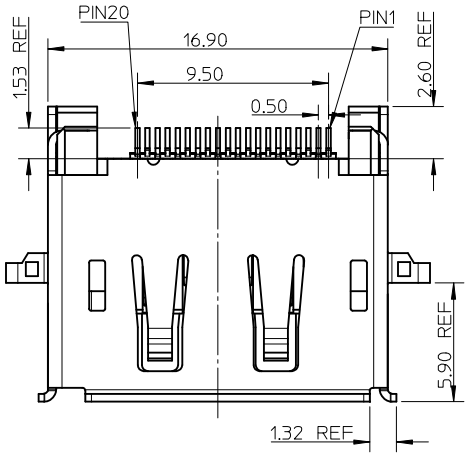
Reference - Drawing Numbers

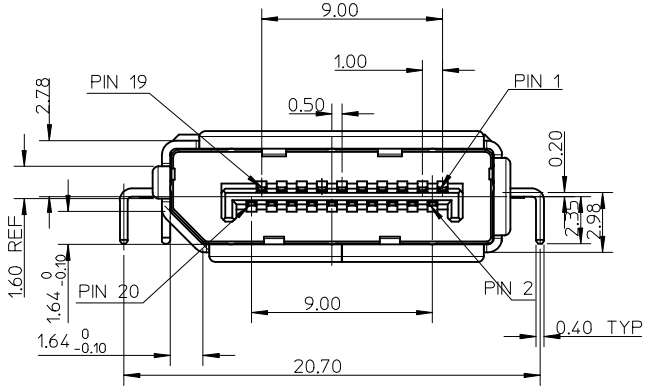
Packaging Specification	PK-47623-001
Product Specification	PS-47272-001
Sales Drawing	SD-47623-001

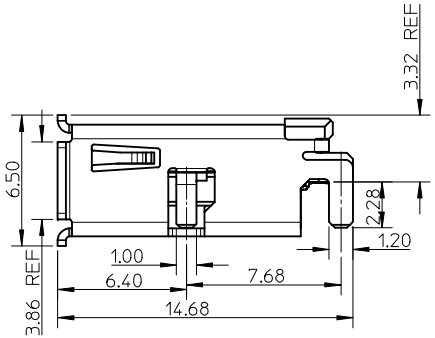
* DisplayPort is a Trademark of VESA

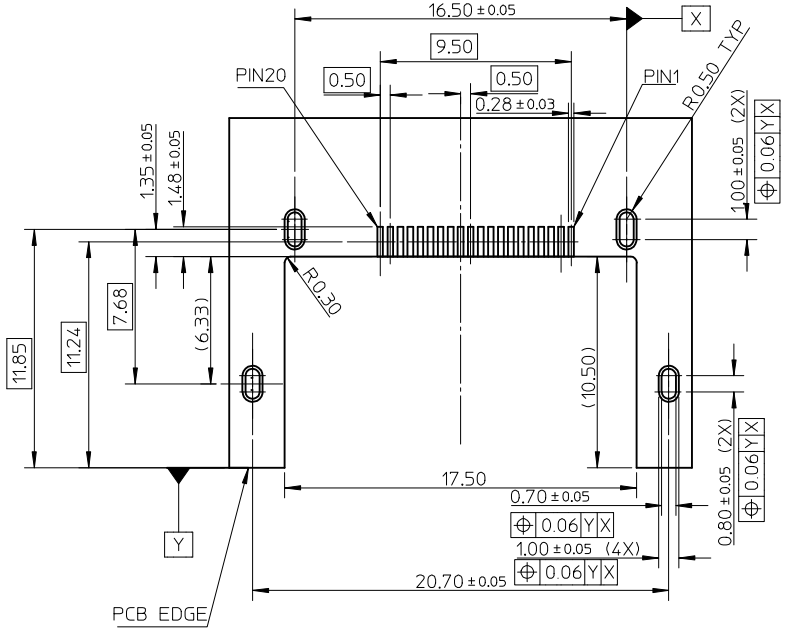
NOTES:

1. MATERIAL:
   HOUSING: HGIH TEMPERATURE THERMAL PLASTIC, BLACK, 30% GLASS FILLED, UL94V-0.
   TERMINAL: COPPER ALLOY.
   SHELL: COPPER ALLOY.
2. PLATING:
   TERMINAL: CONTACT AREA 0.76 MICROMETER GOLD PLATING AND SOLDER TAIL 1~3 MICROMETER TIN BISMUTH UNDER PLATE1~3 MICROMETER NICKEL PLATING OVERALL.
   SHELL:1.27~2.54 MICROETER SOLDERABLE NICKEL PLATING OVERALL.
3. SOLDERTAIL COPLANARITY 0.10 MAX.



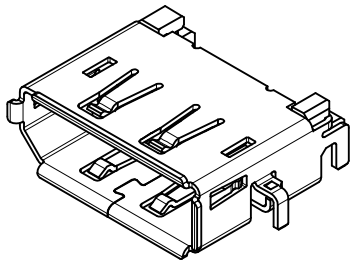






RECOMMENDER PCB LAYOUT THICKNESS 1.56±0.05

TOP VIEW



NEW RELEASE
EC NO: SH2009-0308 2008/11/18
DRWN:HHE 2008/11/19
CH'KD:RZHANG 2008/11/25
APPR:HWWANG
DESCRIPTION
A
REV

QUALITY SYMBOLS
▼=0
Ⓒ=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

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

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE	MM ONLY
SCALE	1:1
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY	HHE
DATE	2007/08/14
CHECKED BY	RZHANG
DATE	2007/08/14
APPROVED BY	HWWANG
DATE	2007/08/14
TITLE	1.0MM MIDDLE PLANE DISPLAY PORT HEADER ASSEMBLY
	MOLEX INCORPORATED
MATERIAL NO.	47623-0001
DOCUMENT NO.	SD-47623-001
SHEET NO.	1 OF 1
SIZE	A3

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