

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0472711011

Status:

Active

Overview:

displayport

Description:

0.50mm (.020") Pitch DisplayPort* Plug Sub-assembly, without Latch

Documents:

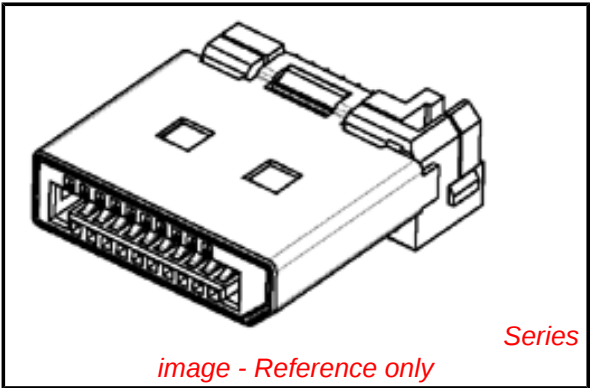
Drawing (PDF)

Product Specification PS-47272-001 (PDF)

RoHS Certificate of Compliance (PDF)

General	
Product Family	I/O Connectors
Series	47271
Application	Wire-to-Board
Comments	Part meets VESA Proposed Standard, Version 1.1
Component Type	I/O Plug Connector Subassembly
Overview	displayport
Product Name	DisplayPort*
Type	A

Physical	
Boot Color	N/A
Circuits (Loaded)	20
Circuits (maximum)	20
Color - Resin	Black
Gender	Plug
Keying to Mating Part	N/A
Lock to Mating Part	No
Material - Metal	Brass, High Performance Alloy (HPA)
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Number of Rows	2
Orientation	Straight
PC Tail Length (in)	0.000 In
PC Tail Length (mm)	0.00 mm
PCB Locator	No
PCB Retention	N/A
PCB Thickness Recommended (in)	0.000 In
PCB Thickness Recommended (mm)	0.00 mm
Packaging Type	Bag
Panel Mount	N/A
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)	32
Plating min: Mating (µm)	0.8
Plating min: Termination (µin)	80
Plating min: Termination (µm)	2
Polarized to Mating Part	Yes
Polarized to PCB	N/A
Ports	1
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-20°C to +85°C
Termination Interface: Style	Surface Mount
Waterproof / Dustproof	No



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

47271Series

Mates With

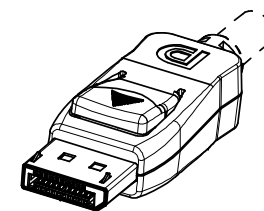
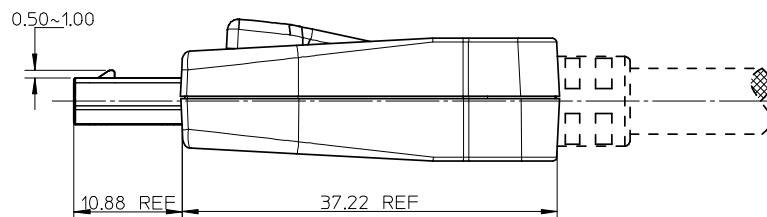
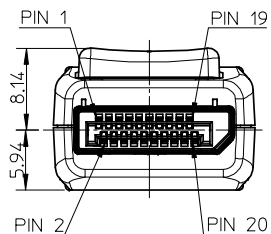
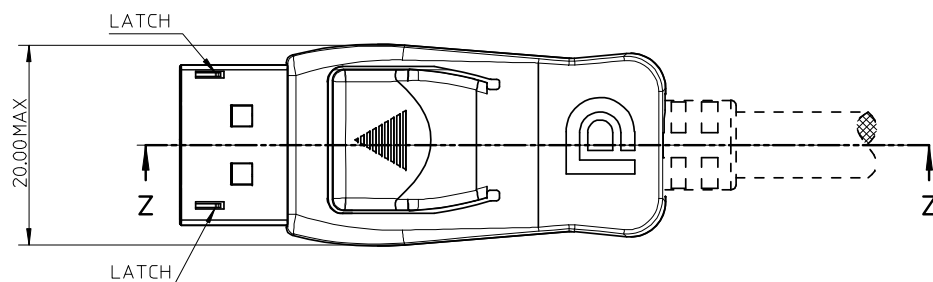
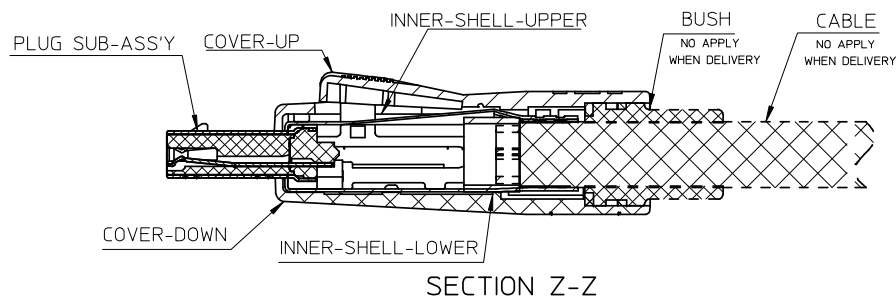
47272-0001

Wire Size AWG	28, 30
Electrical	
Current - Maximum per Contact	0.5A
Grounding to Panel	N/A
Shield Type	Full Shield
Shielded	Yes
Voltage - Maximum	40V AC
Material Info	
Reference - Drawing Numbers	
Packaging Specification	PK-47271-001
Product Specification	PS-47272-001
Sales Drawing	SD-47271-001

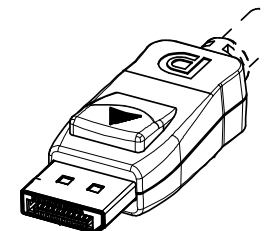
* DisplayPort is a Trademark of VESA

This document was generated on 05/19/2010
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10 9 8 7 6 5 4 3 2 1



WITH LATCHES

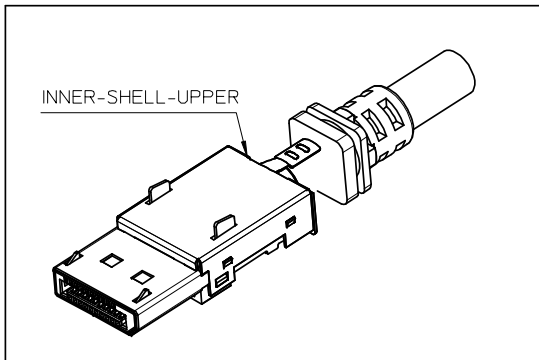


WITHOUT LATCHES

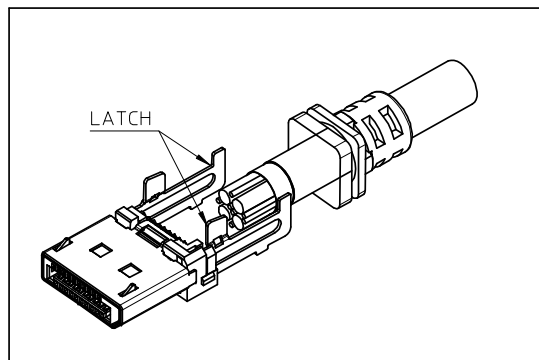
NOTES:

1. CABLE ASSEMBLY DRAWING ONLY FOR CUSTOMER REFERENCE. ALL COMPONENTS WILL BE DELIVERED DISPERSEDLY.
2. THIS PART MEET VESA PROPOSED STANDARD, VERSION1.1.
3. MATES WITH 47272-0001
4. USE WITH CABLE 28&30 AWG
5. MATERIAL :
HOUSING : HGIH TEMPERATURE THERMAL PLASTIC GLASS FILLED , BLACK, UL94V-0
TERMINAL: COPPER ALLOY THICKNESS 0.3 MM
SHIELD CASE : COPPER ALLOY THICKNESS 0.3 MM
6. PLATING :
TERMINAL:
CONTACT AREA : GOLD 0.76 MICROMETER MINIMUM.
UNDER PLATING : NICKEL 1.27 MICROMETER MINIMUM.
7. PRODUCT SPEC: PS-47272-001
8. CONNECTOR DIRECT SOLDER WITH WIRE
9. PRODUCT COMPLANT TO ROHS DIERTIVE 2002/95/EC AND ELV DIRECTIVE 2000/53/EC

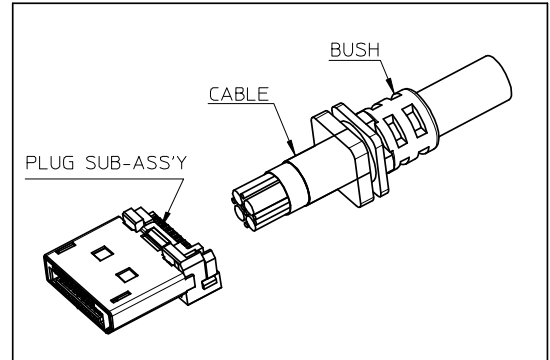
NEW RELEASE EC NO: SH2008-0288 DRWN: HHE CHKD: RZHANG APPR: HWANG REV	QUALITY SYMBOLS =0 =0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
				mm	INCH	DRAWN BY QWFANG	DATE 2006/09/05	PLUG ASS'Y FOR DISPLAYPORT	
		4 PLACES	± ---	± ---		CHECKED BY IWANG	DATE 2006/09/05		
		3 PLACES	± ---	± ---		APPROVED BY JNCHEN	DATE 2006/09/05	MOLEX INCORPORATED	
B	REV	2 PLACES	± 0.15	± ---		MATERIAL NO.		DOCUMENT NO.	
		1 PLACE	± 0.15	± ---		SEE SHEET 3		SD-47271-001	
		ANGULAR ± 1 °				SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS						SHEET NO. 1 OF 5	



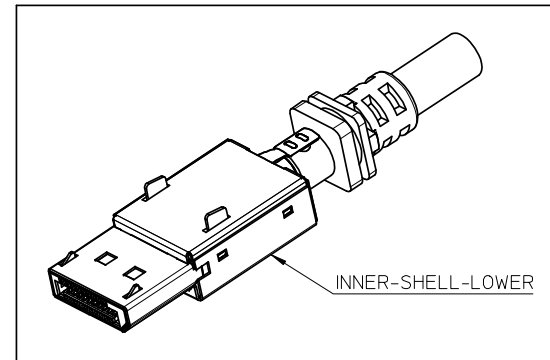
ASSEMBLING THE INNER-SHELL-UPPER



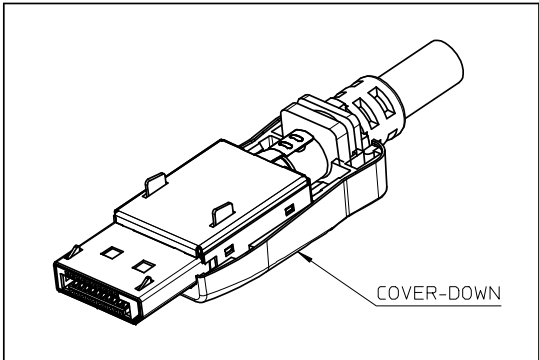
ASSEMBLING THE LATCHES
(W/O LATCH TYPE NEEDN'T THIS STEP)



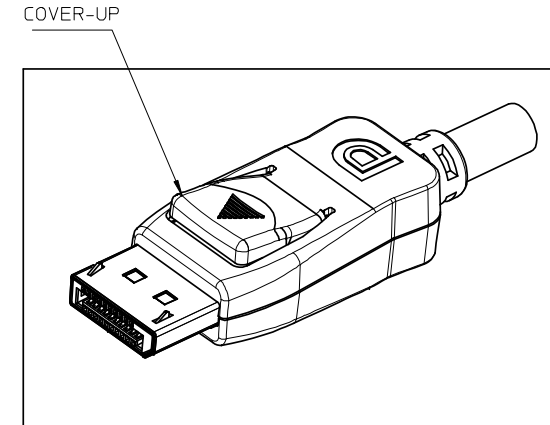
WELDING SUB-ASS'Y AND CABLE



ASSEMBLING THE INNER-SHELL-LOWER



ASSEMBLING THE COVER-DOWN



ASSEMBLING THE COVER-UP

ASSEMBLY PROCESS

SEE SHEET1 EC NO: SH2008-0288 DRW:NHHE 2008/04/07 CHKD:RZHANG 2008/04/08 APPR:HWANG 2008/04/25 B	DESCRIPTION REV	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 QWFANG	DATE 2006/09/05	TITLE PLUG ASS'Y FOR DISPLAYPORT				
			4 PLACES	± ---	± ---	CHECKED BY IWANG	DATE 2006/09/05					
			3 PLACES	± ---	± ---	APPROVED BY JNCHEN	DATE 2006/09/05	MOLEX INCORPORATED				
			2 PLACES	± 0.15	± ---	MATERIAL NO. SEE SHEET 3	DOCUMENT NO. SD-47271-001					
			1 PLACE	± 0.15	± ---	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						
			ANGULAR ± 1 °									
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS									

COMPONENT	PLUG SUB-ASS'Y	COVER-DOWN	COVER-UP	INNER-SHELL-UPPER	INNER-SHELL-LOWER	LATCH	LATCH	REMARK
COMPONENT P/N	47271-0011	47271-0005	47271-0004	47271-1008	47271-1009	47271-1016	47271-2016	WITH LATCH
	47271-1011	47271-0005	47271-1004	47271-3008	47271-1009			WITHOUT LATCH
	DETAIL SEE SD-47271-001	DETAIL SEE SD-47271-005	DETAIL SEE SD-47271-004	DETAIL SEE SD-47271-008	DETAIL SEE SD-47271-009	DETAIL SEE SD-47271-006		

NOTES:
ALL COMPONENTS QUANTITY ARE 1.

SEE SHEET1

EC NO: SH2008-0288

DRWN:HHE 2008/04/07

CHKD:RZHANG 2008/04/08

APPR:HWANG 2008/04/25

B

QUALITY SYMBOLS

▽=0

◻=0

DESCRIPTION

REV

GENERAL TOLERANCES (UNLESS SPECIFIED)

mm

INCH

4 PLACES ± --- ± ---

3 PLACES ± --- ± ---

2 PLACES ± 0.15 ± ---

1 PLACE ± 0.15 ± ---

ANGULAR ± 1 °

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE

MM ONLY

DRAWN BY

DATE

CHECKED BY

DATE

APPROVED BY

DATE

MATERIAL NO.

SIZE

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

SCALE

5:1

TITLE

PLUG ASS'Y
FOR DISPLAYPORT

DOCUMENT NO.

SD-47271-001

SHEET NO.

3 OF 5

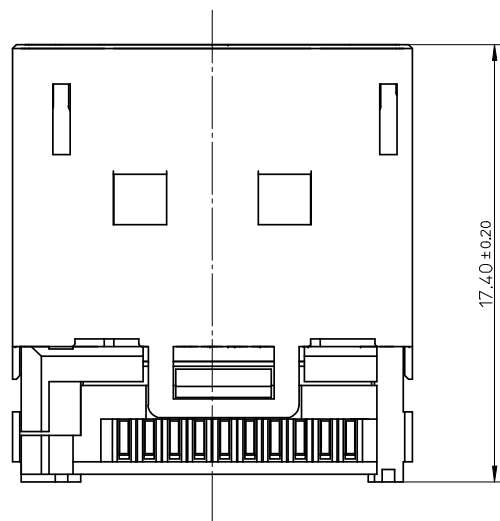
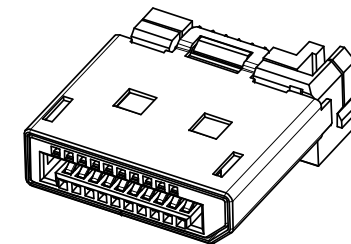
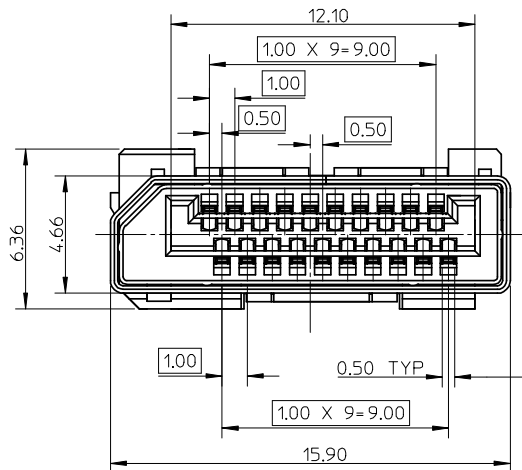
DESIGN UNITS

METRIC

THIRD ANGLE PROJECTION

MOLEX

MOLEX INCORPORATED



NOTES:

THIS PART IS WITH LATCHES TYPE.
CAN BE ASSEMBLED WITH LATCHES.

SEE SHEET1 EC NO: SH2008-0288 DRWN:HHE 2008/04/07 CHKD:RZHANG 2008/04/08 APPR:HWANG 2008/04/25	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
			4 PLACES	mm	INCH	DRAWN BY QWFANG	DATE 2006/09/05	TITLE PLUG ASS'Y FOR DISPLAYPORT			
				3 PLACES	± ---	± ---	CHECKED BY IWANG				DATE 2006/09/05
				2 PLACES	± 0.15	± ---	APPROVED BY JNCHEN				DATE 2006/09/05
				1 PLACE	± 0.15	± ---	MOLEX INCORPORATED				
			ANGULAR ± 1 °			MATERIAL NO. 47271-0011			DOCUMENT NO. SD-47271-001		SHEET NO. 4 OF 5
			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				

10 9 8 7 6 5 4 3 2 1

F

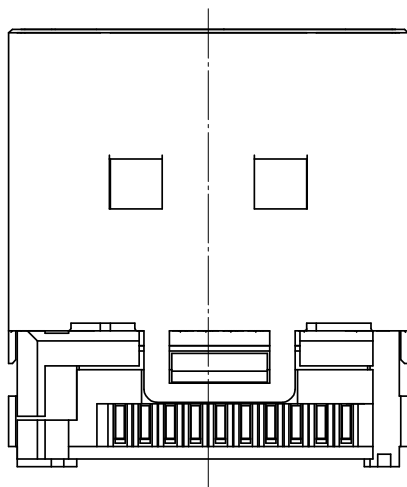
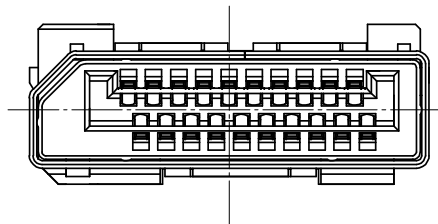
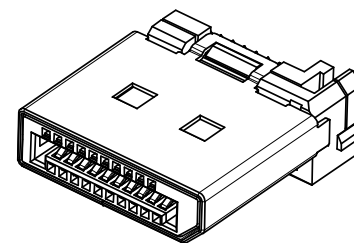
E

D

C

B

A



NOTES:

THIS PART IS WITHOUT LATCHES TYPE.

CAN'T BE ASSEMBLED WITH LATCHES.

UNSPECIFIED DIMENSIONS ARE SAME AS SHEET 4.

SEE SHEET1 EC NO: SH2008-0288 DRWN: HHE 2008/06/07 CHKD: RZHANG 2008/04/08 APPR: HWANG 2008/04/25	DESCRIPTION REV	QUALITY SYMBOLS =0 =0		GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.15 ± --- 1 PLACE ± 0.15 ± --- ANGULAR ± 1 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION STYLE MM ONLY DRAWN BY DATE QWFANG 2006/09/05 CHECKED BY DATE IWANG 2006/09/05 APPROVED BY DATE JNCHEN 2006/09/05 MATERIAL NO. 47271-1011	SCALE 5:1 TITLE PLUG ASS'Y FOR DISPLAYPORT MOLEX INCORPORATED DOCUMENT NO. SD-47271-001	DESIGN UNITS METRIC THIRD ANGLE PROJECTION	SHEET NO. 5 OF 5

9 8 7 6 5 4 3 2 1