

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0472721005

Status:

Active

Overview:

displayport

Description:

0.50mm (.020") Pitch DisplayPort* Male Receptacle, Right Angle, SMT, 0.76µm (30µ") Gold (Au) Plating, 20 Circuits, without Cover or Mylar, with Flange, Latch Holes, Peg and SMT Tab of Shell, Leadfree

Documents:

3D Model

Drawing (PDF)

Product Specification PS-47272-001 (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification

UL

E29179

General

Product Family

Series

Application

Comments

Component Type

Overview

Product Name

Type

I/O Connectors

47272

Wire-to-Board

SMT Peg of Shell

Receptacle

displayport

DisplayPort*

N/A

Physical

Boot Color

Circuits (Loaded)

Circuits (maximum)

Color - Resin

Flammability

Gender

Keying to Mating Part

Lock to Mating Part

Material - Metal

Material - Plating Mating

Material - Plating Termination

Material - Resin

Number of Rows

Orientation

PCB Locator

PCB Retention

Packaging Type

Panel Mount

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Pitch - Term. Interface (in)

Pitch - Term. Interface (mm)

Plating min: Mating (µin)

Plating min: Mating (µm)

Plating min: Termination (µin)

Plating min: Termination (µm)

Polarized to Mating Part

Polarized to PCB

Ports

Temperature Range - Operating

Termination Interface: Style

N/A

20

20

Black

94V-0

Male

Yes

Yes

Copper Alloy

Gold

Tin-Bismuth

High Temperature Thermoplastic

2

Right Angle

Yes

Yes

Embossed Tape on Reel

With Flange

0.039 In

0.50 mm

0.039 In

0.50 mm

30

0.76

40

1

Yes

Yes

1

-20°C to +85°C

Surface Mount



image - Reference only

Series

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

47272Series

Mates With

47271 Plug Sub-Assemblies, 68783 Cable Series

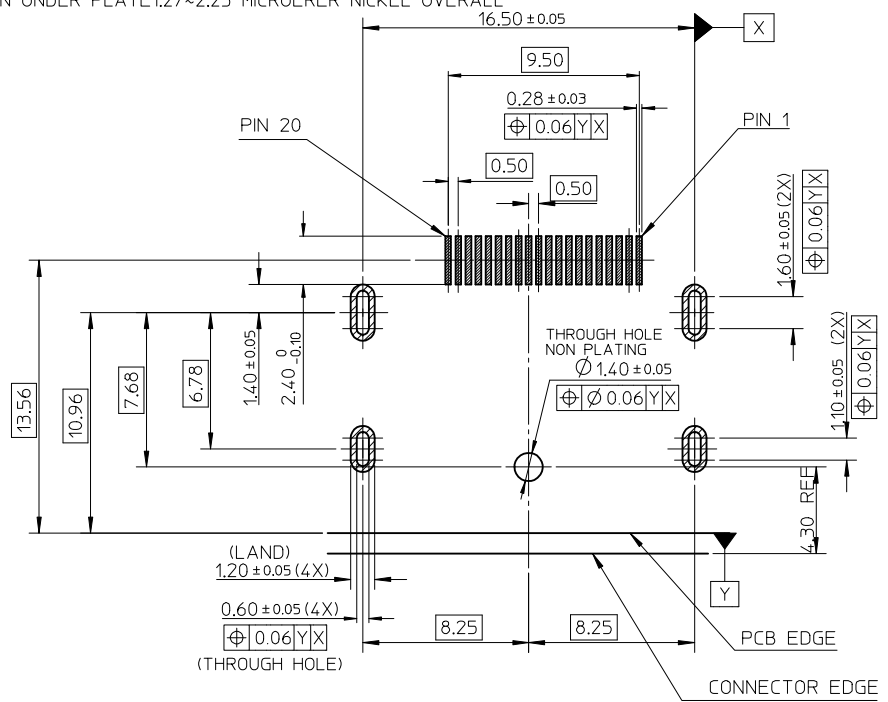
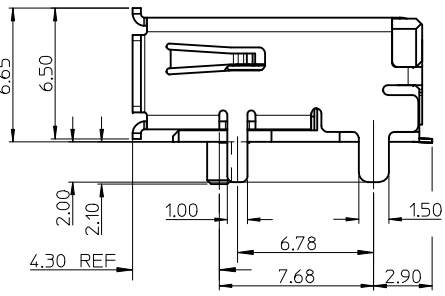
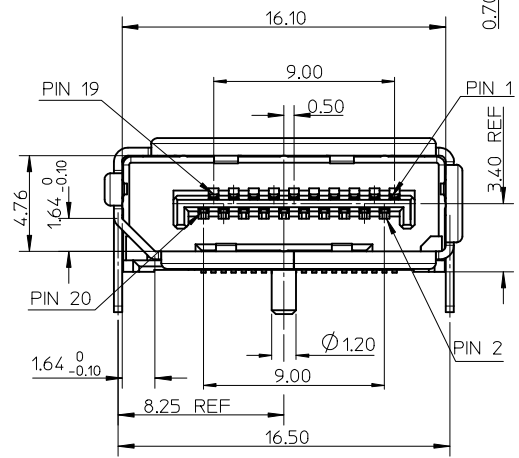
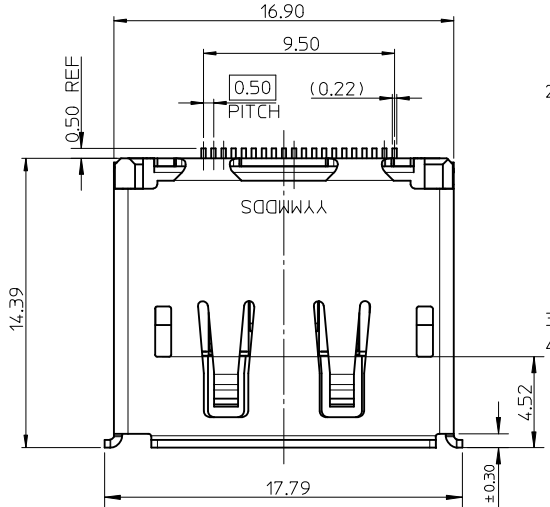
Waterproof / Dustproof	No
Electrical	
Current - Maximum per Contact	0.5A
Grounding to Panel	Yes
Shielded	Yes
Voltage - Maximum	40V AC
Material Info	
Reference - Drawing Numbers	
Packaging Specification	PK-47272-003
Product Specification	PS-47272-001
* DisplayPort is a Trademark of VESA	

This document was generated on 05/19/2010

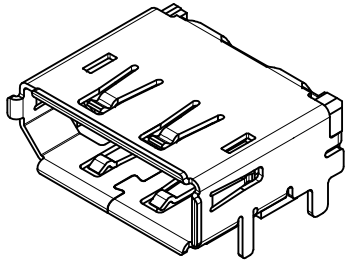
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

NOTES:

1. MATERIAL:
HOUSING: HIGH TEMPERATURE THERMAL PLASTIC, BLACK, 30% GLASS FILLED, UL94V-0.
TERMINAL: COPPER ALLOY.
SHELL: COPPER ALLOY.
2. PLATING:
TERMINAL: CONTACT AREA(10.76 MICROMETER GOLD PLATING
(2)0.38 MICROMETER GOLD PLATING
(3)GOLD FLASH PLATING
(4)0.64MIN. MICROMETER PALLADIUM/NICKEL AND GOLD FLASH PLATING
AND SOLDER TAIL 1~3 MICROMETER TIN BISMUTH UNDER PLATE1~3 MICROMETER NICKEL PLATING OVERALL.
SHELL:(a)1.27~2.54 MICROETER SOLDERABLE NICKEL PLATING OVERALL.
(b)SHELL PEG SOLDERING SURFACE PLATE GOLD FLASH UNDER PLATE1~3 MICROMETER NICKEL PLATING OVERALL.
(c) SHELL PLATE 2.1~3.0 MICROMETER TIN UNDER PLATE1.27~2.25 MICROERER NICKEL OVERALL.
3. SOLDER TAIL COPLANARITY 0.10 MAX.
4. PS REFER TO PS-47272-001



RECOMMENDED PCB LAYOUT(THICKNESS=1.6±0.15)



NEW RELEASE EC NO: SH2009-0189 DRWN:BBLY CHKD:RZHANG APPR:HWANG REV A6	DESCRIPTION	QUALITY SYMBOLS ▽=0 ∇=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
				mm	INCH	DRAWN BY RZHANG	DATE 2005/07/01	TITLE 1.0MM PITCH DISPLAY PORT RECEPTACLE ASSEMBLY					
			4 PLACES	± ---	± ---	CHECKED BY IWANG	DATE 2005/07/01						
			3 PLACES	± ---	± ---	APPROVED BY JNCHEN	DATE 2005/07/01						
			2 PLACES	± 0.25	± ---	MATERIAL NO. SEE SHEETS 5		DOCUMENT NO. SD-47272-001		MOLEX INCORPORATED		SHEET NO. 1 OF 8	
			1 PLACE	± 0.25	± ---								
			ANGULAR ± 3 °										
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS										

10

9

8

7

6

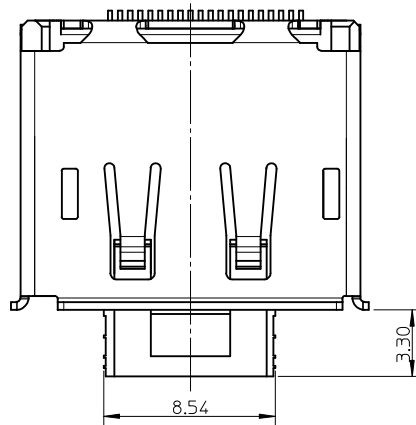
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4

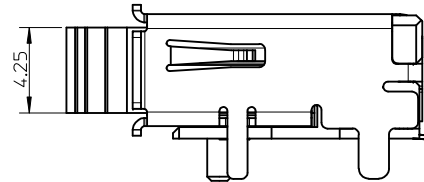
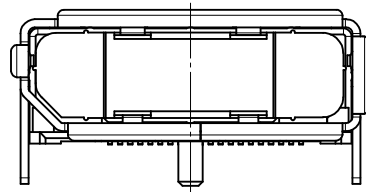
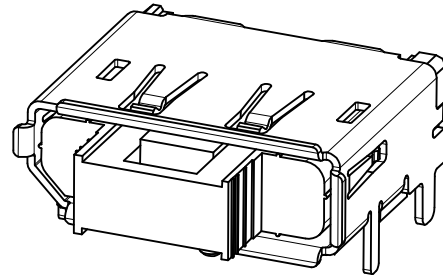
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2

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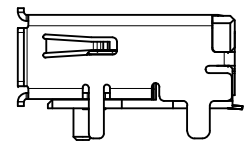
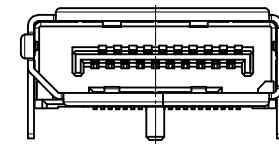
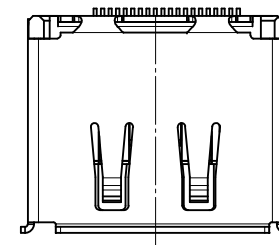
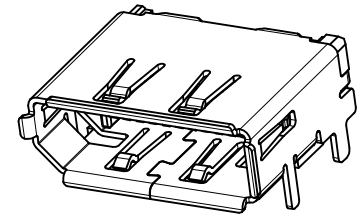
WITH COVER



NOTES:

- 1.UNSPECIFIED DIMENSION ARE SAME AS SHEET1
- 2.CONNECTOR WITH COVER IS USED FOR WARE SOLDERING PEG

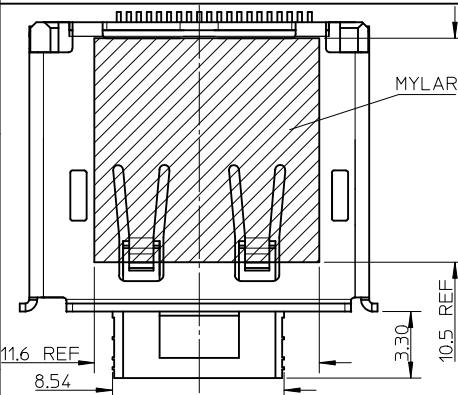
WITHOUT LATCH HOLE



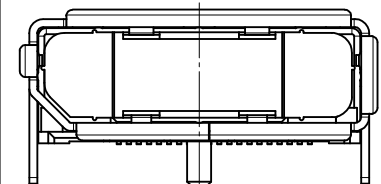
NOTES:

- 1.UNSPECIFIED DIMENSION ARE SAME AS SHEET1

WITH COVER AND MYLAR

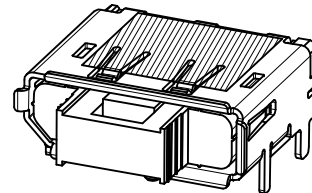


MYLAR



NOTES:

- 1.UNSPECIFIED DIMENSION ARE SAME AS SHEET1
- 2.CONNECTOR WITH COVER IS USED FOR WARE SOLDERING PEG



NEW RELEASE
EC NO: SH2009-0189
DRWN:BBLY
CHKD:RZHANG
APPR:HWANG

2008/09/25
2008/09/26
2008/10/28

DESCRIPTION
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

DRAWN BY	DATE
RZHANG	2005/07/01
CHECKED BY	DATE
IWANG	2005/07/01
APPROVED BY	DATE
JNCHEN	2005/07/01
MATERIAL NO.	

SEE SHEET5

SCALE
1:1DESIGN UNITS
METRICTHIRD ANGLE
PROJECTION

TITLE

1.0MM PITCH DISPLAY PORT
RECEPTACLE ASSEMBLY

MOLEX

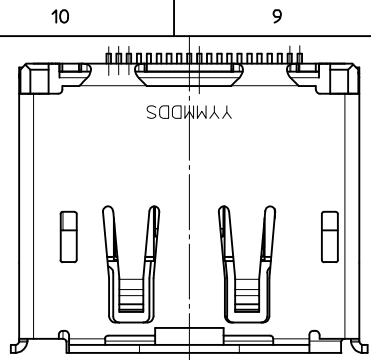
MOLEX INCORPORATED

DOCUMENT NO.

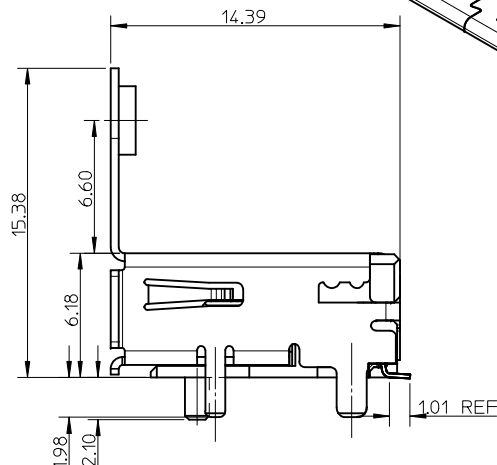
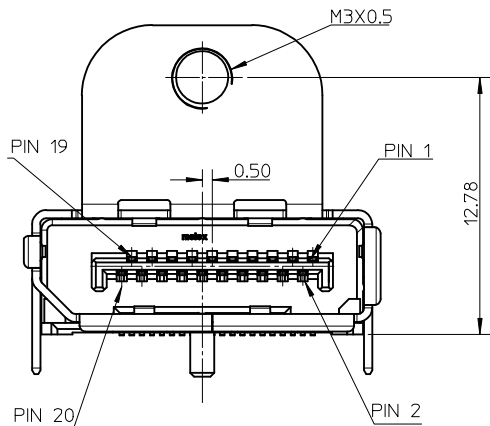
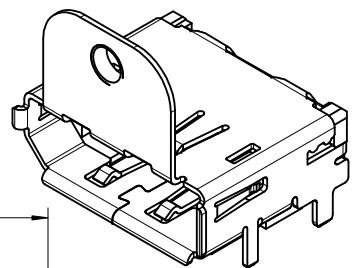
SD-47272-001

SHEET NO.

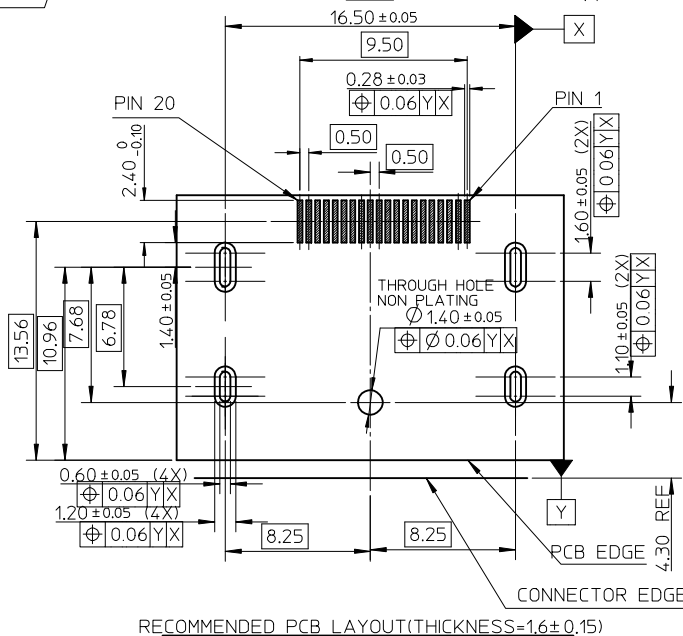
2 OF 8



WITH FLANGE AND THROUGH HOLE PEG

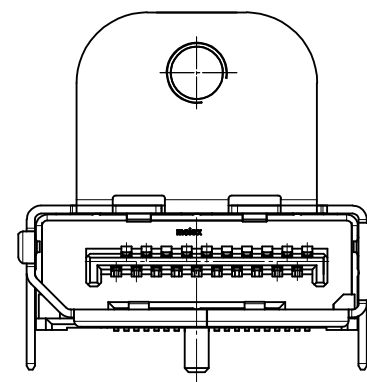
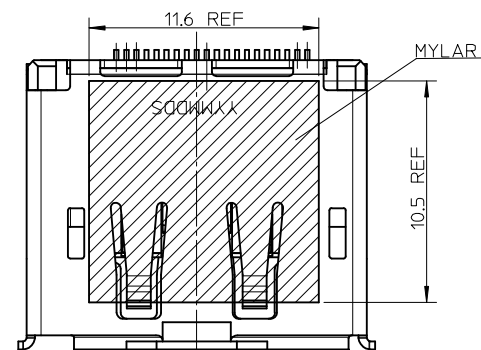


NOTES:
UNSPECIFIED DIMENSION ARE SAME AS SHEET1



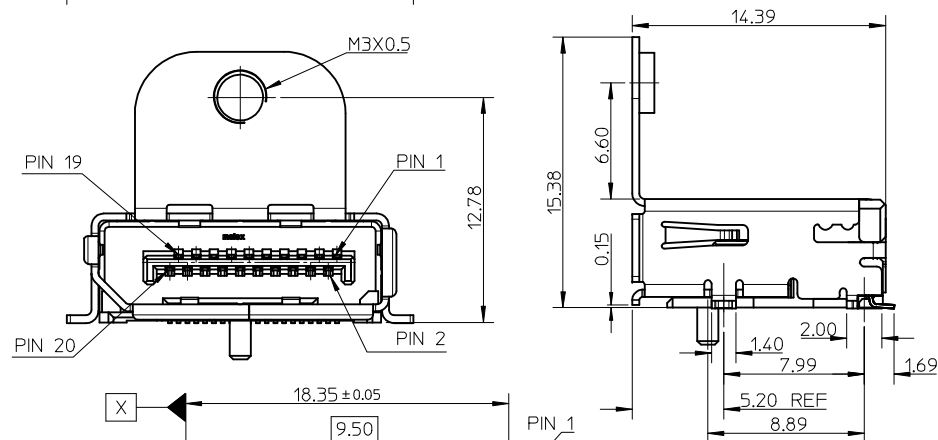
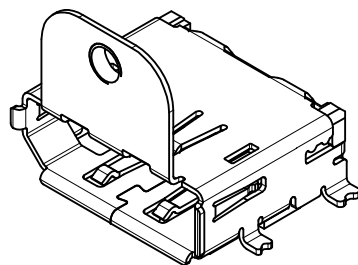
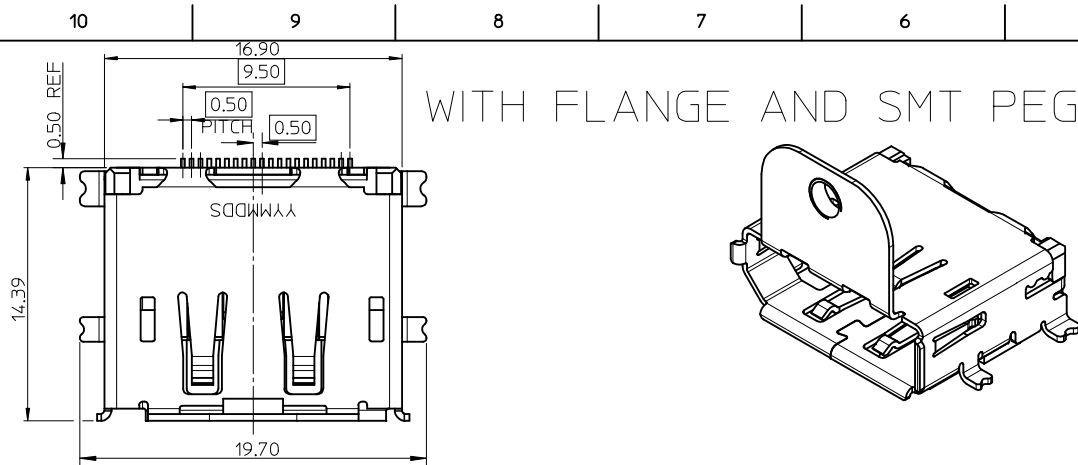
RECOMMENDED PCB LAYOUT (THICKNESS=1.6±0.15)

WITH MYLAR

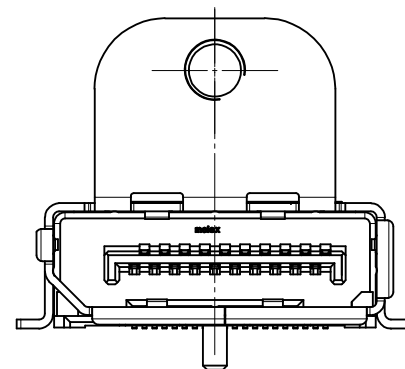


NOTES:
UNSPECIFIED DIMENSION ARE SAME AS SHEET1

NEW RELEASE EC NO: SH2009-0189 DRWN:BBLY CHKD:RZHANG APPR:HWANG 2008/09/25 2008/09/26 2008/10/28	DESCRIPTION	QUALITY SYMBOLS ▽=0 ≡=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
			4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.25 ± --- 1 PLACE ± 0.25 ± --- ANGULAR ± 3 °	mm INCH	DRAWN BY RZHANG		DATE 2005/07/01	TITLE 1.0MM PITCH DISPLAY PORT RECEPTACLE ASSEMBLY	
					CHECKED BY IWANG		DATE 2005/07/01		
					APPROVED BY JNCHEN		DATE 2005/07/01		
					MATERIAL NO. SEE SHEETS		DOCUMENT NO. SD-47272-001		
A6	REV	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					

[illegible]

RECOMMENDED PCB LAYOUT(THICKNESS=1.6±0.15)

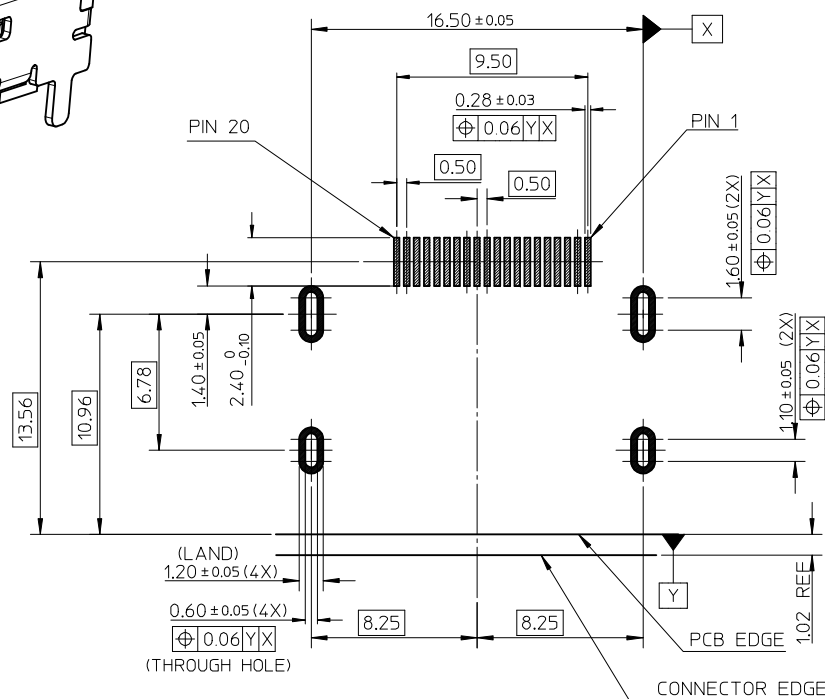
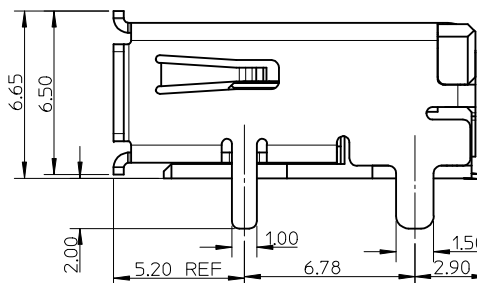
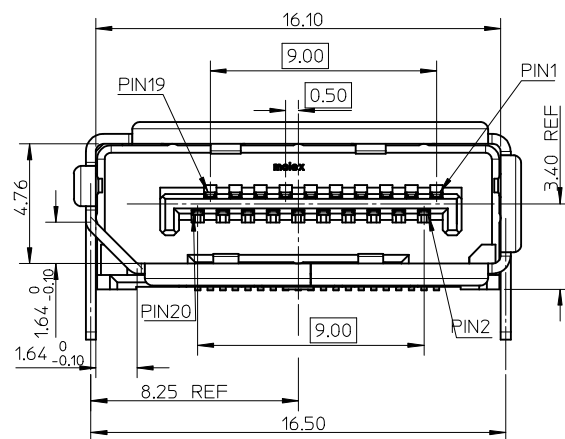
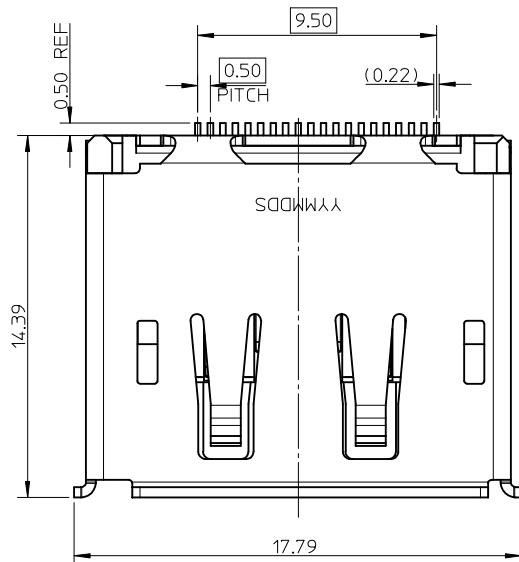
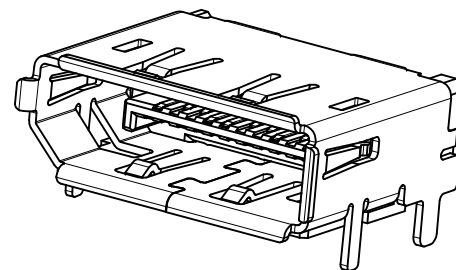
[illegible]

FRANCES (IED)	DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
INCH	DRAWN BY RZHANG	DATE 2005/07/01	TITLE 1.0MM PITCH DISPLAY PORT RECEPTACLE ASSEMBLY		
± ---	CHECKED BY IWANG	DATE 2005/07/01			
± ---	APPROVED BY JNCHEN	DATE 2005/07/01			
± ---					
± ---				MOLEX INCORPORATED	
± 3 °	MATERIAL NO. SEE SHEET 5		DOCUMENT NO. SD-47272-001		SHEET NO. 4 OF 8
PLICABLE IN IONS	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		
	ASSEMBLY NO.	WITH COVER	WITH FLANGE	SMT PEG OF SHELL	THROUGH HOLE PEG OF SHELL	PLATING IN CONTACT AREA	SHELL PLATING	WITH LATCH HOLE	MYLAR	POST	PACKAGE METHOD	REMARK
F	47272-0001	WITHOUT	WITHOUT		WITH	SEE NOTE2(1)	SEE NOTE2(a)	WITH	WITHOUT	WITH		FOR SHEET 1
	47272-0002	WITHOUT	WITHOUT		WITH	SEE NOTE2(1)	SEE NOTE2(a)	WITH	WITHOUT	WITH		
	47272-0011	WITHOUT	WITHOUT		WITH	SEE NOTE2(2)	SEE NOTE2(a)	WITH	WITHOUT	WITH		
	47272-0021	WITHOUT	WITHOUT		WITH	SEE NOTE2(3)	SEE NOTE2(a)	WITH	WITHOUT	WITH		
E	47272-0003	WITHOUT	WITHOUT		WITH	SEE NOTE2(1)	SEE NOTE2(a)	WITHOUT	WITHOUT	WITH		FOR SHEET 2
	47272-1002	WITH	WITHOUT		WITH	SEE NOTE2(1)	SEE NOTE2(a)	WITH	WITHOUT	WITH		
	47272-0012	WITH	WITHOUT		WITH	SEE NOTE2(2)	SEE NOTE2(a)	WITH	WITHOUT	WITH		
	47272-0022	WITH	WITHOUT		WITH	SEE NOTE2(3)	SEE NOTE2(a)	WITH	WITHOUT	WITH		
D	47272-0024	WITH	WITHOUT		WITH	SEE NOTE2(1)	SEE NOTE2(a)	WITH	WITH	WITH		FOR SHEET 3
	47272-0004	WITH	WITH		WITH	SEE NOTE2(1)	SEE NOTE2(c)	WITH	WITHOUT	WITH		
	47272-1004	WITHOUT	WITH		WITH	SEE NOTE2(1)	SEE NOTE2(c)	WITH	WITHOUT	WITH		
	47272-0025	WITHOUT	WITH		WITH	SEE NOTE2(1)	SEE NOTE2(c)	WITH	WITH	WITH		
C	47272-0028	WITHOUT	WITH		WITH	SEE NOTE2(3)	SEE NOTE2(c)	WITH	WITH	WITH		FOR SHEET 4
	47272-1005	WITHOUT	WITH	SMT PEG		SEE NOTE2(1)	SEE NOTE2(c)	WITH	WITHOUT	WITH		
	47272-0023	WITHOUT	WITH	SMT PEG		SEE NOTE2(1)	SEE NOTE2(c)	WITH	WITH	WITH		FOR SHEET 6
	47272-0026	WITHOUT	WITHOUT		WITH	SEE NOTE2(1)	SEE NOTE2(a)	WITH	WITHOUT	WITHOUT		FOR SHEET 7
	47272-0027	WITH	WITH		WITH	SEE NOTE2(1)	SEE NOTE2(c)	WITH	WITH	WITH		FOR SHEET 1
	47272-0201	WITHOUT	WITHOUT		WITH	SEE NOTE2(4)	SEE NOTE2(a)	WITH	WITHOUT	WITH		FOR SHEET 8
	47272-0029	WITHOUT	WITHOUT		WITH	SEE NOTE2(1)	SEE NOTE2(a)	WITH	WITH	WITH		FOR SHEET 8

B																B
	A	NEW RELEASE EC NO: SH2009-0189 2008/09/25 DRW:BBLV 2008/09/26 CHKD:RZHANG 2008/10/28 APPR:HWANG				DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
		mm		INCH				DRAWN BY RZHANG	DATE 2005/07/01	TITLE 1.0MM PITCH DISPLAY PORT RECEPTACLE ASSEMBLY						
		3 PLACES ± --- ± ---		2 PLACES ± 0.25 ± ---				CHECKED BY IWANG			DATE 2005/07/01					
							1 PLACE ± 0.25 ± ---		APPROVED BY JNCHEN		DATE 2005/07/01	 MOLEX INCORPORATED				
							ANGULAR ± 3 °		MATERIAL NO.		DOCUMENT NO. SD-47272-001			SHEET NO. 5 OF 8		
							DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART							
									SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

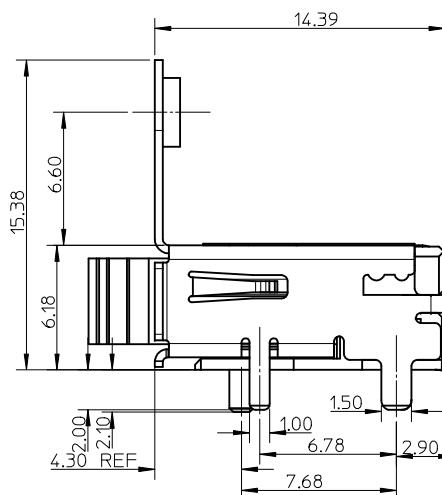
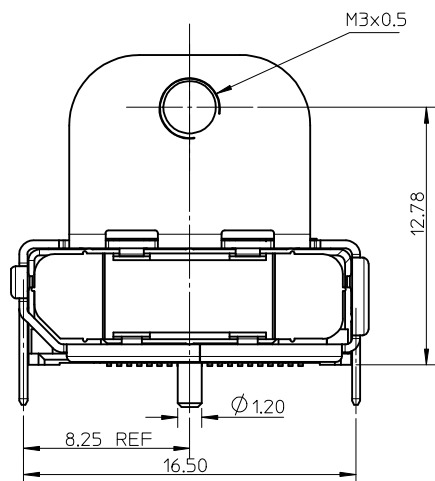
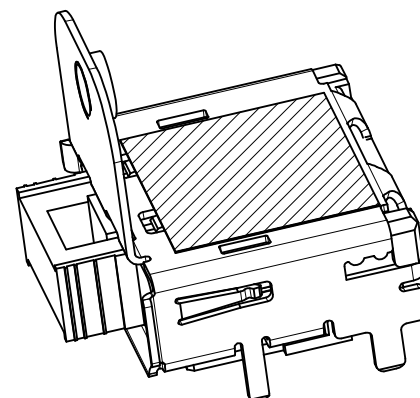
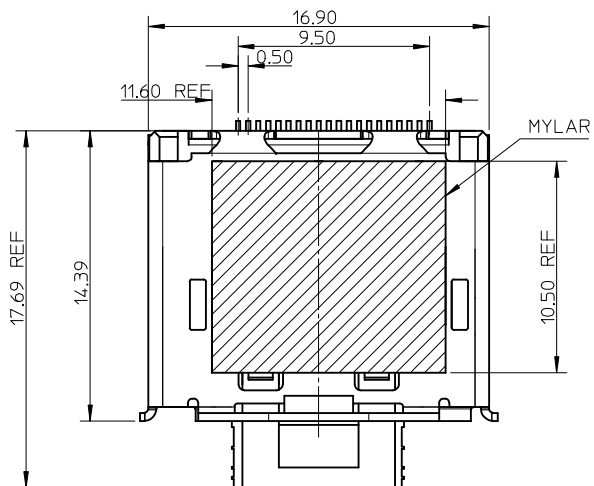
WITHOUT POST



RECOMMENDED PCB LAYOUT (THICKNESS=1.6±0.15)

NOTES:
UNSPECIFIED DIMENSION ARE SAME AS SHEET1

NEW RELEASE EC NO: SH2009-0189 DRWN:BBLY CHKD:RZHANG APPR:HWANG A6	2008/09/25 2008/09/26 2008/10/28	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
						DRAWN BY RZHANG	DATE 2005/07/01	TITLE 1.0MM PITCH DISPLAY PORT RECEPTACLE ASSEMBLY			
						CHECKED BY IWANG	DATE 2005/07/01				
						APPROVED BY JNCHEN	DATE 2005/07/01	MOLEX INCORPORATED			
							MATERIAL NO.				DOCUMENT NO. SD-47272-001
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE SHEETS 5				
							THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

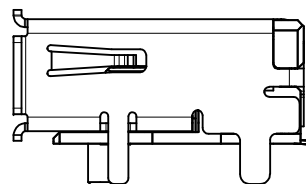
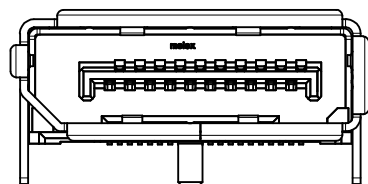
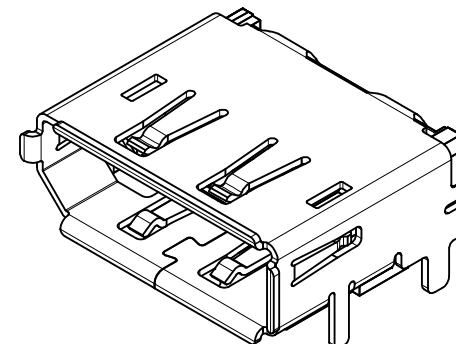
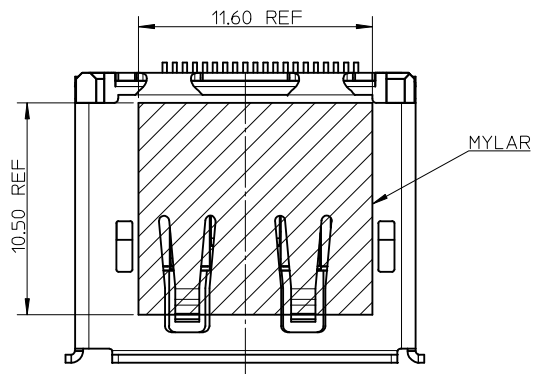


NOTES:

1. UNSPECIFIC DIMENSION ARE SAME AS SHEET1
2. THE RECOMMENDER PCB ARE SAME AS SHEET1

NEW RELEASE EC NO: SH2009-0189 DRWN:BBLY CHKD:RZHANG APPR:HWANG A6	2008/09/25 2008/09/26 2008/10/28	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
				4 PLACES 3 PLACES 2 PLACES 1 PLACE ANGULAR ± 3 °	mm INCH	DRAWN BY RZHANG	DATE 2005/07/01	TITLE 1.0MM PITCH DISPLAY PORT RECEPTACLE ASSEMBLY				
						CHECKED BY IWANG	DATE 2005/07/01					
						APPROVED BY JNCHEN	DATE 2005/07/01					
						MATERIAL NO. SEE SHEET 5					DOCUMENT NO. SD-47272-001	SHEET NO. 7 OF 8
						DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					SIZE A3	

10 9 8 7 6 5 4 3 2 1



- NOTES:
1. UNSPECIFIC DIMENSION ARE SAME AS SHEET1
 2. THE RECOMMENDER PCB ARE SAME AS SHEET1

NEW RELEASE EC NO: SH2009-0189 DRWN:BBLY CHKD:RZHANG APPR:HWANG A6	2008/09/25 2008/09/26 2008/10/28	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	TITLE 1.0MM PITCH DISPLAY PORT RECEPTACLE ASSEMBLY		
				4 PLACES	mm	INCH	DRAWN BY RZHANG	DATE 2005/07/01	MOLEX INCORPORATED					
					3 PLACES	± ---	± ---	CHECKED BY IWANG					DATE 2005/07/01	
					2 PLACES	± 0.25	± ---	APPROVED BY JNCHEN					DATE 2005/07/01	
					1 PLACE	± 0.25	± ---	MATERIAL NO. SEE SHEET 5					DOCUMENT NO. SD-47272-001	SHEET NO. 8 OF 8
				ANGULAR ± 3 °										
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS										
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION														

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