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Part Number: 0472720011
Status: Active
Overview: displayport
Description: 0.50mm (.020") Pitch DisplayPort* Male Receptacle, Right Angle, SMT, 0.38µm (15µ") Gold (Au) Plating, 20 Circuits, without Cover, Mylar or Flange; with Latch Holes, Peg and Solder Tab of Shell, Leadfree

Series image - Reference only

Documents:
3D Model
Drawing (PDF)
RoHS Certificate of Compliance (PDF)

Agency Certification

UL	E29179

General

Product Family	I/O Connectors
Series	47272
Application	Wire-to-Board
Comments	With EMI Shield
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
Flammability	94V-0
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
Packaging Type	Embossed Tape on Reel
Panel Mount	Without Flange
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)	15
Plating min: Mating (µm)	0.38
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

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-47272-001
Sales Drawing	SD-47272-001

* DisplayPort is a Trademark of VESA

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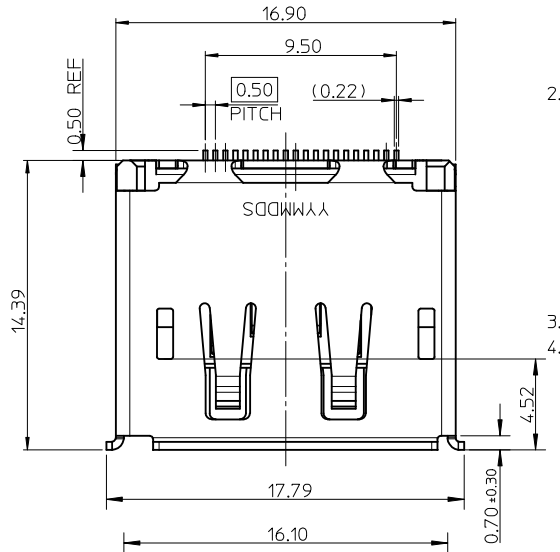
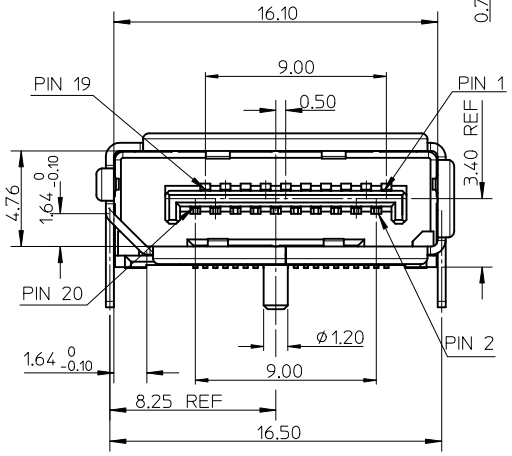
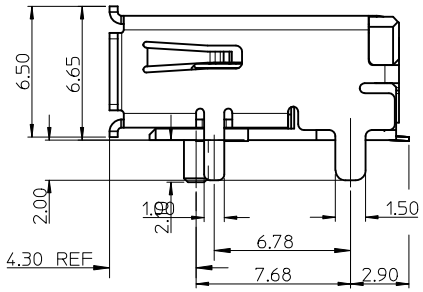
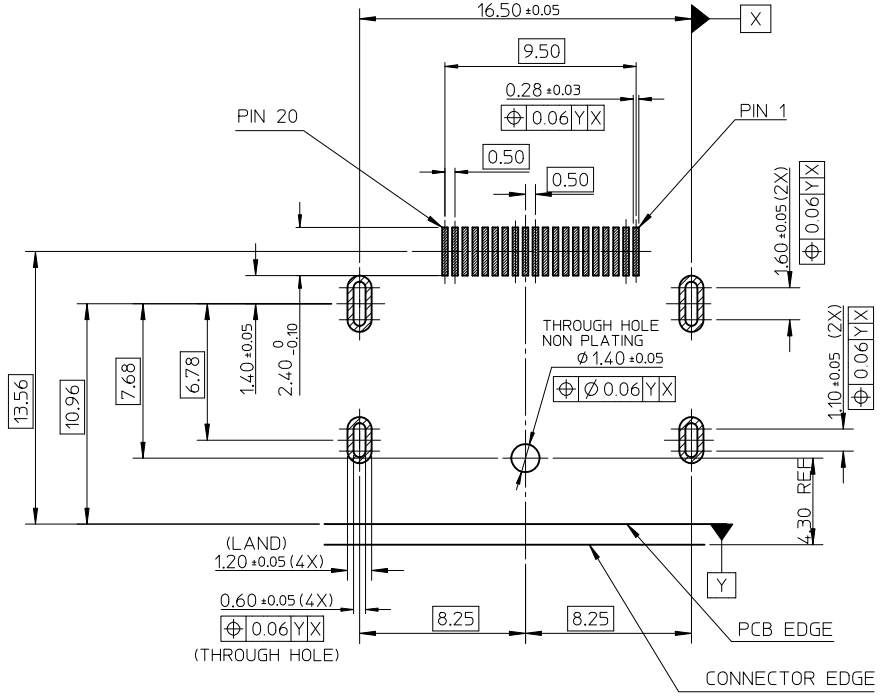
NOTES:

1. MATERIAL:
   HOUSING: HGIH TEMPERATURE THERMAL PLASTIC, BLACK, 30% GLASS FILLED, UL94V-0.
   TERMINAL: COPPER ALLOY.
   SHELL: COPPER ALLOY.
2. PLATING:
   TERMINAL: CONTACT AREA(1)0.76 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)SHEEL 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. SOLDERTAIL COPLANARITY 0.10 MAX.
4. PS REFER TO PS-47272-001

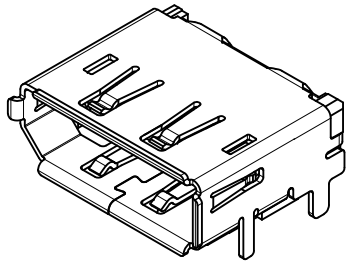








RECOMMENDED PCB LAYOUT(THICKNESS=1.6±0.15)



REVISED				REV
EC NO: SH2010-0353	DRWN:HHE	CH'KD:FYANG05	APPR:RZHANG	DESCRIPTION
2010/03/08	2010/03/24	2010/03/29		
B				

QUALITY SYMBOLS
F_A=0
F_C=0
F_P=0

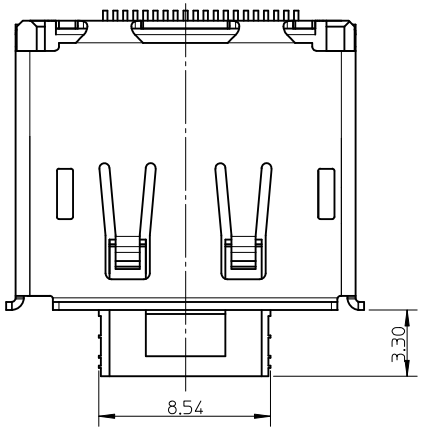
GENERAL TOLERANCES (UNLESS SPECIFIED)	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.25	± ---
1 PLACE	± 0.25	± ---
ANGULAR ± 3 °		

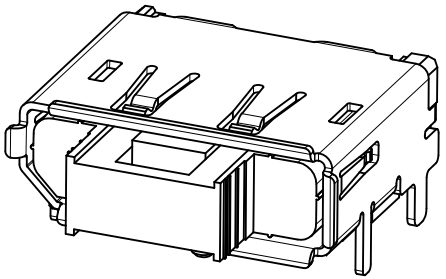
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

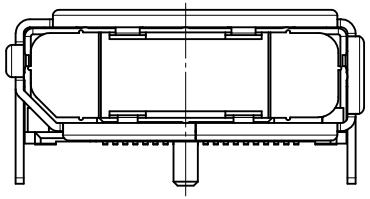
DIMENSION STYLE	MM ONLY
SCALE	1:1
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY	RZHANG
DATE	2005/07/01
CHECKED BY	IWANG
DATE	2005/07/01
APPROVED BY	RZHANG
DATE	2010/03/26
MATERIAL NO.	SEE SHEET5
TITLE	1.0MM PITCH DISPLAY PORT RECEPTACLE ASSEMBLY
	MOLEX INCORPORATED
DOCUMENT NO.	SD-47272-001
SHEET NO.	1 OF 8
SIZE	A3

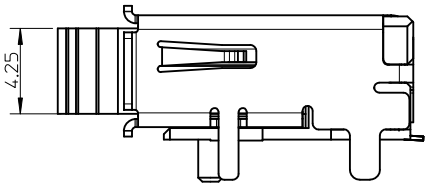
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

WITH COVER



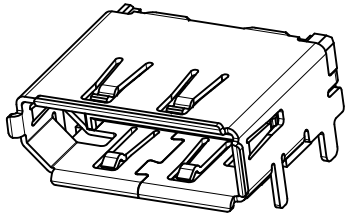


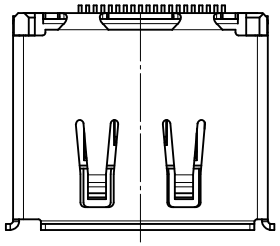


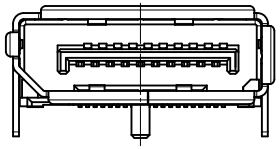


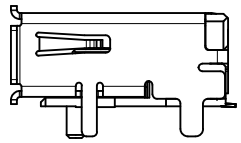
NOTES:
1.UNSPECIFICED DIMENSION ARE SAME AS SHEET1
2.CONNECTOR WITH COVER IS USED FOR WARE SOLDERING PEG

WITHOUT LATCH HOLE



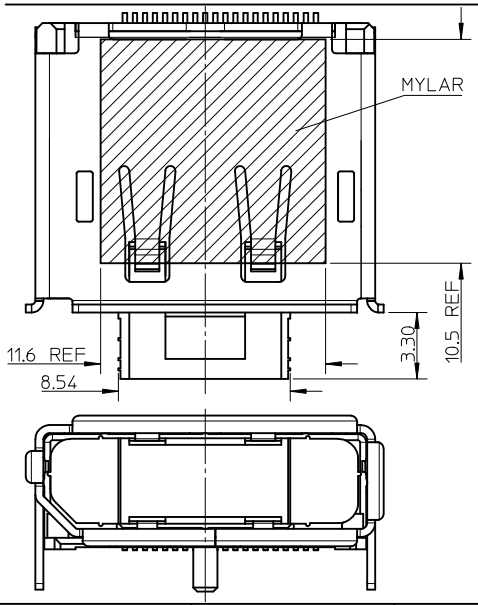


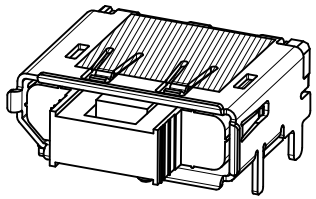




NOTES:
1.UNSPECIFICED DIMENSION ARE SAME AS SHEET1

WITH COVER AND MYLAR





NOTES:
1.UNSPECIFICED DIMENSION ARE SAME AS SHEET1
2.CONNECTOR WITH COVER IS USED FOR WARE SOLDERING PEG

REVISED			
EC NO: SH2010-0353	2010/03/08		
DRWN:HHE	2010/03/24		
CH'KD:FYANG05	2010/03/29		
APPR:RZHANG		DESCRIPTION	
B		REV	

QUALITY SYMBOLS
FA=0
FC=0
FP=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	RZHANG
DATE	2005/07/01
CHECKED BY	IWANG
DATE	2005/07/01
APPROVED BY	RZHANG
DATE	2010/03/26
MATERIAL NO.	SEE SHEET5
TITLE	1.0MM PITCH DISPLAY PORT RECEPTACLE ASSEMBLY
	MOLEX INCORPORATED
DOCUMENT NO.	SD-47272-001
SHEET NO.	2 OF 8
SIZE	A3

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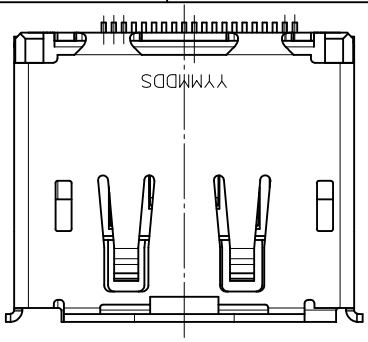
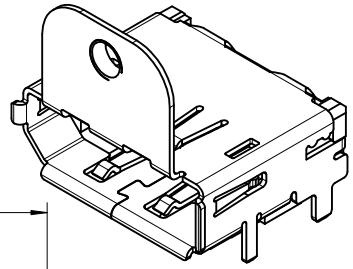
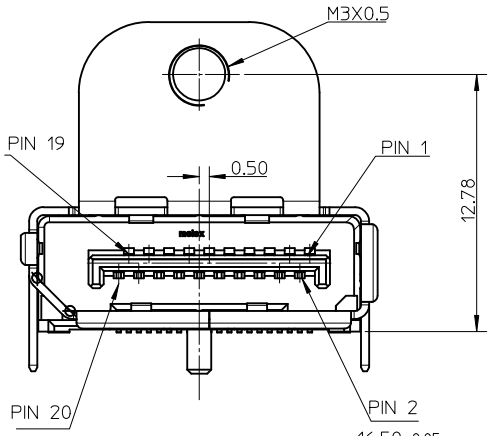
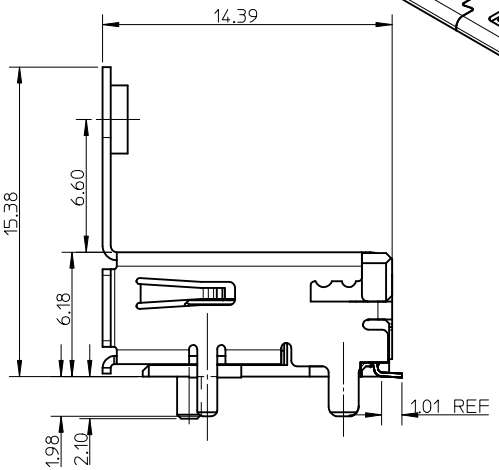
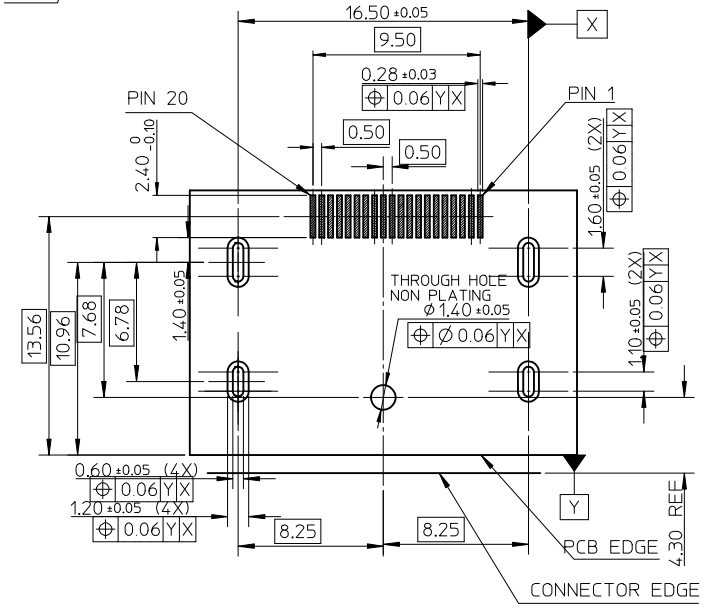
WITH FLANGE AND THROUGH HOLE PEG







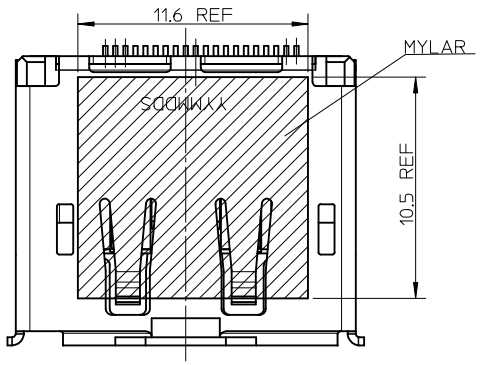


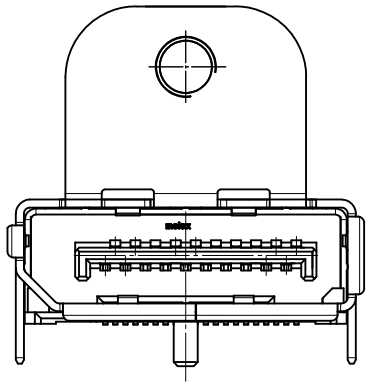


RECOMMENDED PCB LAYOUT(THICKNESS=1.6±0.15)

NOTES:
UNSPECIFICED DIMENSION ARE SAME AS SHEET1

WITH MYLAR





NOTES:
UNSPECIFICED DIMENSION ARE SAME AS SHEET1

REVISED				REV
EC NO: SH2010-0353	2010/03/08			B
DRWN:HHE	2010/03/24			
CHKD:FYANG05	2010/03/29			
APPR:RZHANG				

QUALITY SYMBOLS
F_A=0
F_C=0
F_P=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: RZHANG	DATE: 2005/07/01	TITLE: 1.0MM PITCH DISPLAY PORT RECEPTACLE ASSEMBLY	
CHECKED BY: IWANG	DATE: 2005/07/01		
APPROVED BY: RZHANG	DATE: 2010/03/26	MOLEX INCORPORATED	
MATERIAL NO.: SEE SHEET5		DOCUMENT NO.: SD-47272-001	SHEET NO.: 3 OF 8

SIZE A3

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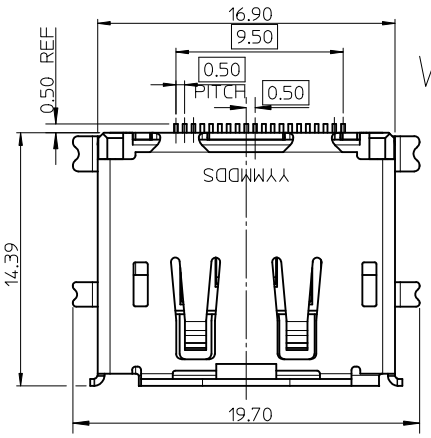
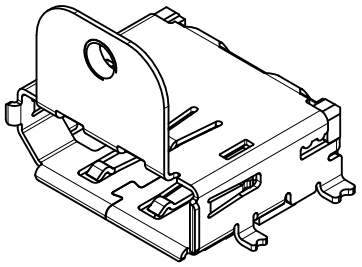
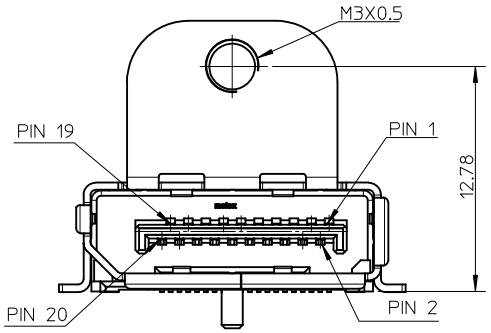
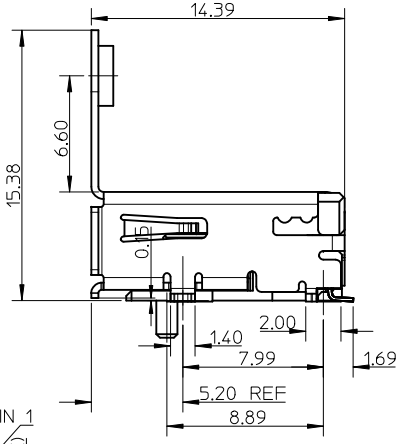
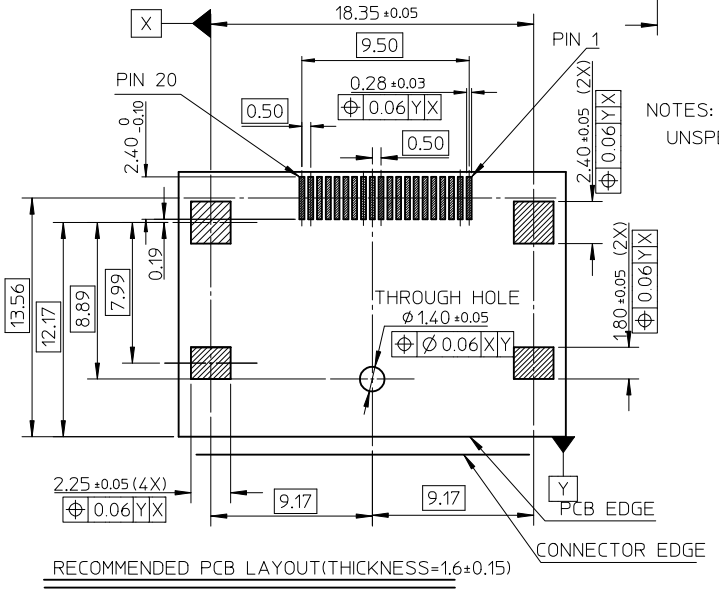
WITH FLANGE AND SMT PEG







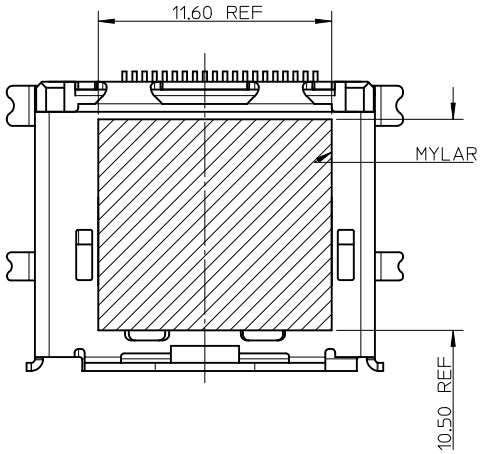


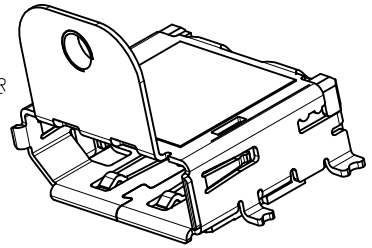


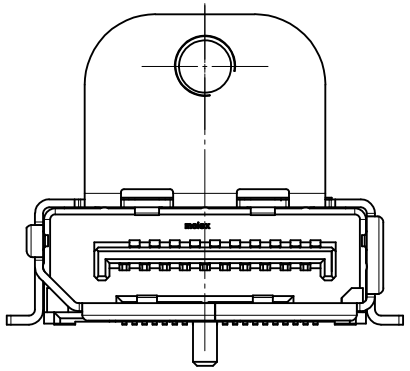
RECOMMENDED PCB LAYOUT(THICKNESS=1.6±0.15)

NOTES:
UNSPECIFICED DIMENSION ARE SAME AS SHEET1

WITH FLANGE AND MYLAR







NOTES:
1.UNSPECIFICED DIMENSION ARE SAME AS SHEET1
2.THE RECOMMENDER PCB ARE SAME AS LEFT RECMMENDER PCB

REVISED				REV
EC NO: SH2010-0353	2010/03/08			
DRWN:HHE	2010/03/24			
CH'KD:FYANG05	2010/03/29			
APPR:RZHANG				
		DESCRIPTION		B

QUALITY SYMBOLS
F_A=0
F_C=0
F_P=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: RZHANG	DATE: 2005/07/01	TITLE: 1.0MM PITCH DISPLAY PORT RECEPTACLE ASSEMBLY	
CHECKED BY: IWANG	DATE: 2005/07/01		
APPROVED BY: RZHANG	DATE: 2010/03/26	MOLEX INCORPORATED	
MATERIAL NO.: SEE SHEET5		DOCUMENT NO.: SD-47272-001	SHEET NO.: 4 OF 8
SIZE: A3			

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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
47272-0001	WITHOUT	WITHOUT		WITH	SEE NOTE2(1)	SEE NOTE2(a)	WITH	WITHOUT	WITH		
47272-0002	WITHOUT	WITHOUT		WITH	SEE NOTE2(1)	SEE NOTE2(a)	WITH	WITHOUT	WITH		WITH EMI SHELL FOR SHEET 1
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		
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		
47272-0024	WITH	WITHOUT		WITH	SEE NOTE2(1)	SEE NOTE2(a)	WITH	WITH	WITH		
47272-0004	WITH	WITH		WITH	SEE NOTE2(1)	SEE NOTE2(c)	WITH	WITHOUT	WITH		FOR SHEET 3
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		
47272-0028	WITHOUT	WITH		WITH	SEE NOTE2(3)	SEE NOTE2(c)	WITH	WITH	WITH		
47272-1005	WITHOUT	WITH	SMT PEG		SEE NOTE2(1)	SEE NOTE2(c)	WITH	WITHOUT	WITH		FOR SHEET 4
47272-0023	WITHOUT	WITH	SMT PEG		SEE NOTE2(1)	SEE NOTE2(c)	WITH	WITH	WITH		
47272-0026	WITHOUT	WITHOUT		WITH	SEE NOTE2(1)	SEE NOTE2(a)	WITH	WITHOUT	WITHOUT		FOR SHEET 6
47272-0027	WITH	WITH		WITH	SEE NOTE2(1)	SEE NOTE2(c)	WITH	WITH	WITH		FOR SHEET 7
47272-0201	WITHOUT	WITHOUT		WITH	SEE NOTE2(4)	SEE NOTE2(a)	WITH	WITHOUT	WITH		FOR SHEET 1
47272-0029	WITHOUT	WITHOUT		WITH	SEE NOTE2(1)	SEE NOTE2(a)	WITH	WITH	WITH		FOR SHEET 8

REVISED
EC NO: SH2010-0353 2010/03/08
DRWN:HHE 2010/03/24
CH'KD:FYANG05 2010/03/29
APPR:RZHANG
DESCRIPTION
B
REV

QUALITY SYMBOLS
$\sqrt{F_A}$=0
$\sqrt{F_C}$=0
$\sqrt{F_P}$=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: RZHANG DATE: 2005/07/01
CHECKED BY: IWANG DATE: 2005/07/01
APPROVED BY: RZHANG DATE: 2010/03/26

TITLE: 1.0MM PITCH DISPLAY PORT RECEPTACLE ASSEMBLY

molex MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-47272-001
SHEET NO.: 5 OF 8

SIZE: A3

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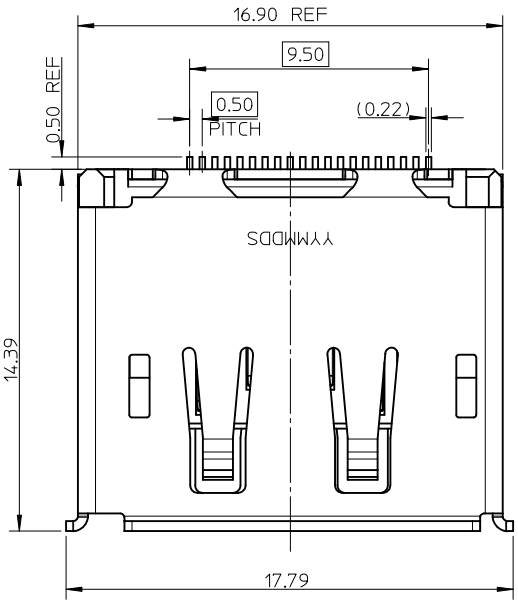
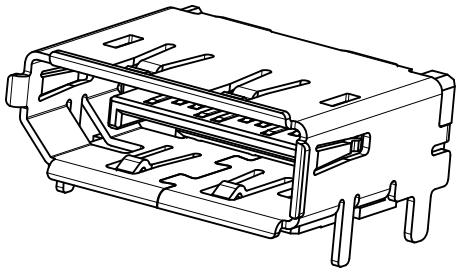
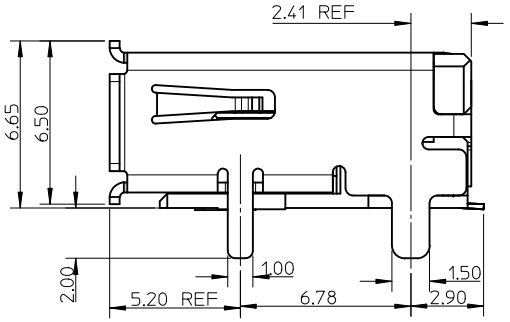
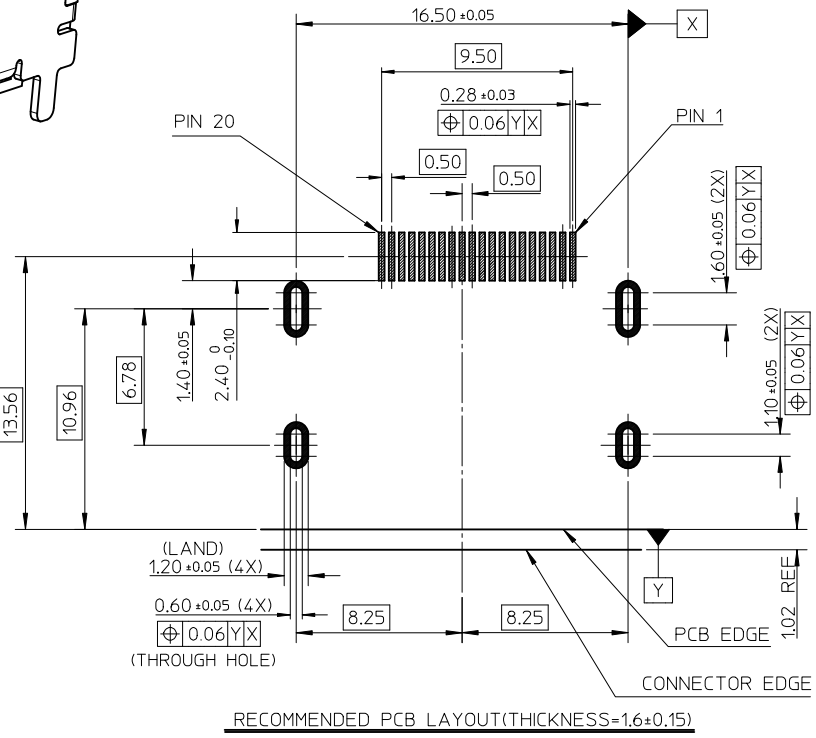
WITHOUT POST









RECOMMENDED PCB LAYOUT(THICKNESS=1.6±0.15)

NOTES:
UNSPECIFICED DIMENSION ARE SAME AS SHEET1

REVISED
EC NO: SH2010-0353 2010/03/08
DRWN:HHE 2010/03/24
CH'KD:FYANG05 2010/03/29
APPR:RZHANG
DESCRIPTION
B
REV

QUALITY SYMBOLS
FW=0
FC=0
FP=0

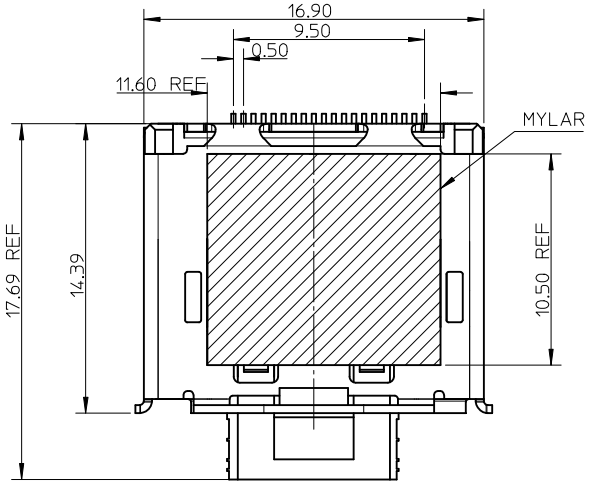
GENERAL TOLERANCES (UNLESS SPECIFIED)

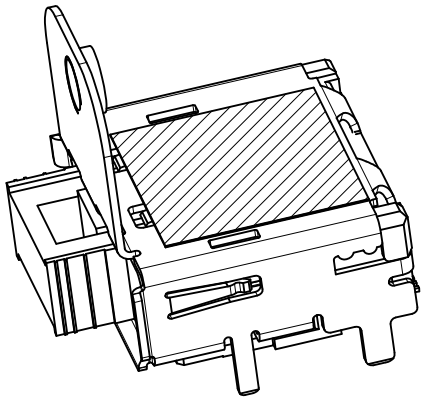
	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.25	± ---
1 PLACE	± 0.25	± ---
ANGULAR ± 3 °		

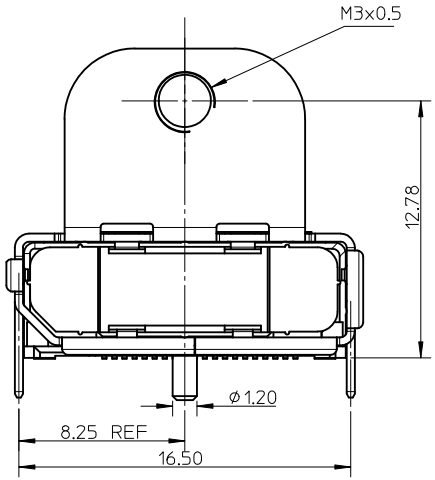
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

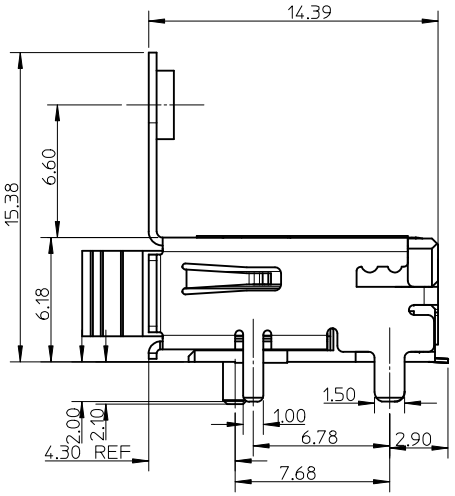
DIMENSION STYLE	MM ONLY
SCALE	1:1
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY	RZHANG
DATE	2005/07/01
CHECKED BY	IWANG
DATE	2005/07/01
APPROVED BY	RZHANG
DATE	2010/03/26
MATERIAL NO.	SEE SHEET5
TITLE	1.0MM PITCH DISPLAY PORT RECEPTACLE ASSEMBLY
	MOLEX INCORPORATED
DOCUMENT NO.	SD-47272-001
SHEET NO.	6 OF 8
SIZE	A3

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









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

REVISED			
EC NO: SH2010-0353	2010/03/08		
DRWN:HHE	2010/03/24		
CH'KD:FYANG05	2010/03/29		
APPR:RZHANG			
DESCRIPTION			
REV			
B			

QUALITY SYMBOLS
F_A=0
F_C=0
F_P=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 / DATE	RZHANG 2005/07/01
CHECKED BY / DATE	IWANG 2005/07/01
APPROVED BY / DATE	RZHANG 2010/03/26
MATERIAL NO.	SEE SHEET5
TITLE	1.0MM PITCH DISPLAY PORT RECEPTACLE ASSEMBLY
	MOLEX INCORPORATED
DOCUMENT NO.	SD-47272-001
SHEET NO.	7 OF 8
SIZE	A3

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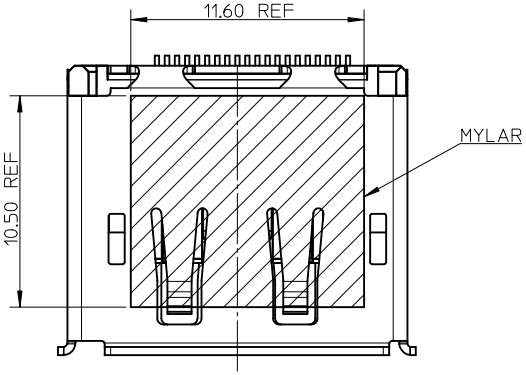
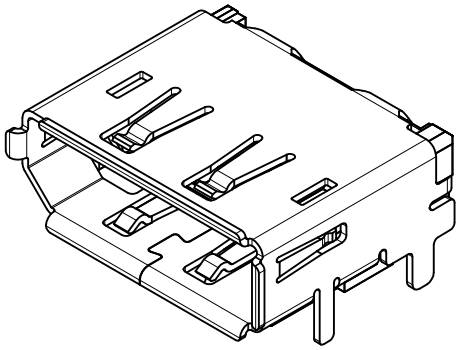
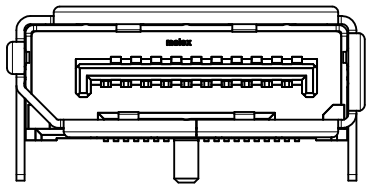
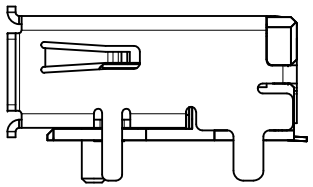
STANDARD TYPE WITH MYLAR









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

REVISED			REV	DESCRIPTION
EC NO: SH2010-0353	2010/03/08	DRWN:HHE		
CH'KD:FYANG05	2010/03/24	APPR:RZHANG		
B				

QUALITY SYMBOLS
FA=0
FC=0
FP=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	4:1
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY / DATE	RZHANG 2005/07/01
CHECKED BY / DATE	IWANG 2005/07/01
APPROVED BY / DATE	RZHANG 2010/03/26
MATERIAL NO.	SEE SHEET5
TITLE	1.0MM PITCH DISPLAY PORT RECEPTACLE ASSEMBLY
	MOLEX INCORPORATED
DOCUMENT NO.	SD-47272-001
SHEET NO.	8 OF 8
SIZE	A3

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