

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0472720024](#)
Status: **Active**
Overview: [displayport](#)
Description: 0.50mm (.020") Pitch DisplayPort* Male Receptacle, Right Angle, SMT, 0.76µm (30µ") Gold (Au) Plating, 20 Circuits, with Cover, Latch Holes, Mylar, Peg, Solder Tab of Shell, without Flange, Leadfree

Documents:
[3D Model](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Drawing \(PDF\)](#)

Agency Certification

UL E29179

General

Product Family	I/O Connectors
Series	47272
Application	Wire-to-Board
Comments	Through Hole Peg of Shell
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)	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



image - Reference only

Series

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

[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

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

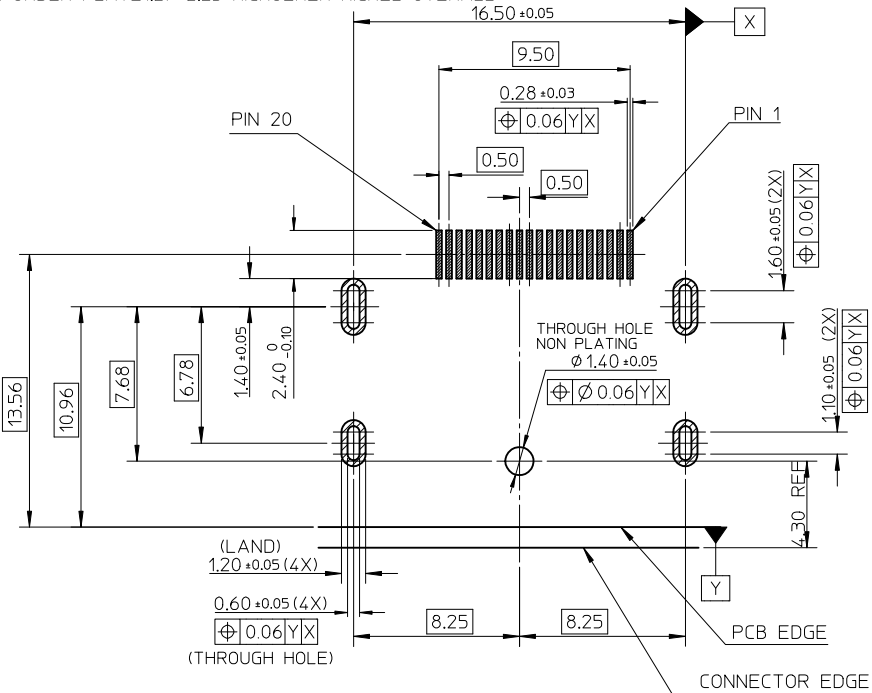
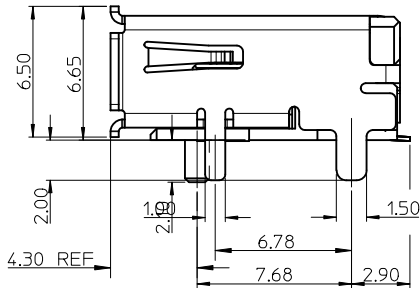
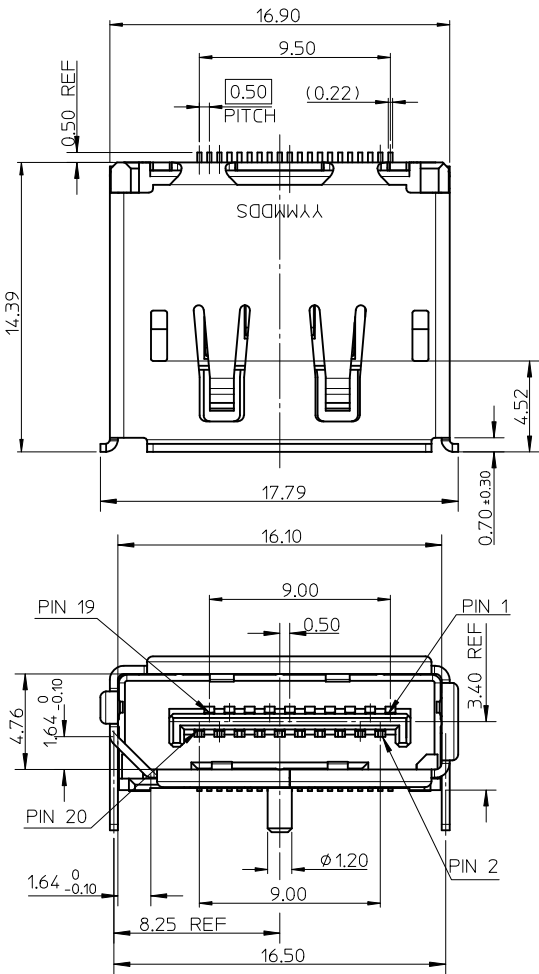
Reference - Drawing Numbers	
Packaging Specification	PK-47272-001
Sales Drawing	SD-47272-001

* DisplayPort is a Trademark of VESA

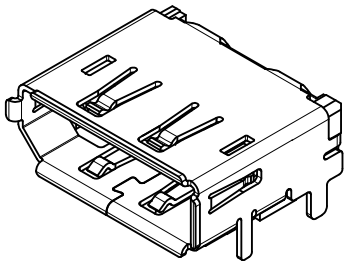
This document was generated on 05/19/2010
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

NOTES:

1. MATERIAL:
HOUSING: 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)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. SOLDERTAIL COPLANARITY 0.10 MAX.
4. PS REFER TO PS-47272-001



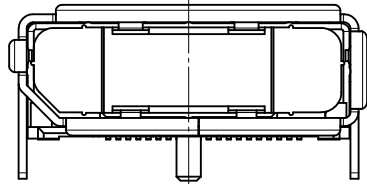
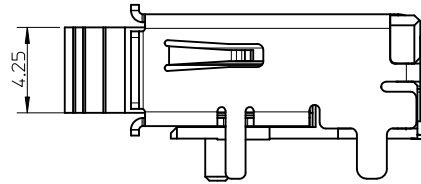
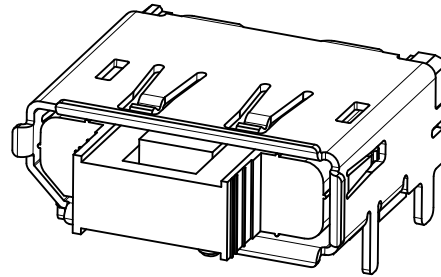
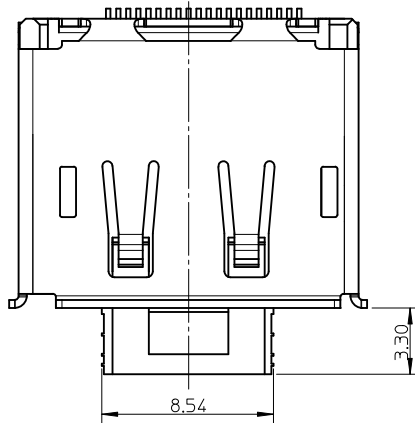
RECOMMENDED PCB LAYOUT(THICKNESS=1.6±0.15)



REVISED EC NO: SH2010-0353 DRWN:HE CHKD:FYANG05 APPR:RZHANG	DESCRIPTION 2010/03/08 2010/03/24 2010/03/29	QUALITY SYMBOLS
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10 9 8 7 6 5 4 3 2 1

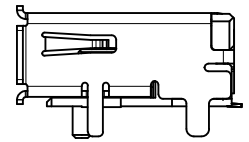
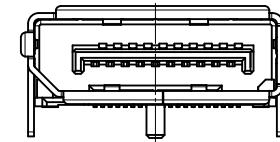
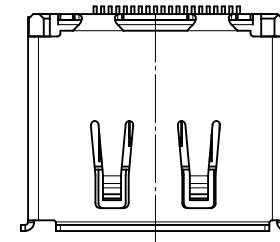
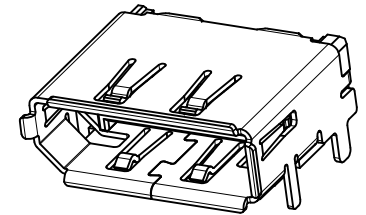
WITH COVER



NOTES:

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

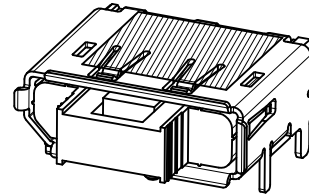
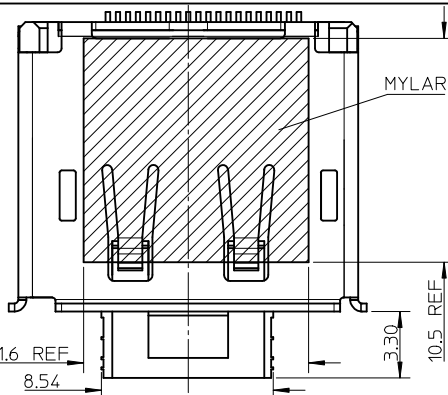
WITHOUT LATCH HOLE



NOTES:

- 1.UNSPECIFIED DIMENSION ARE SAME AS SHEET1

WITH COVER AND MYLAR



NOTES:

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

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

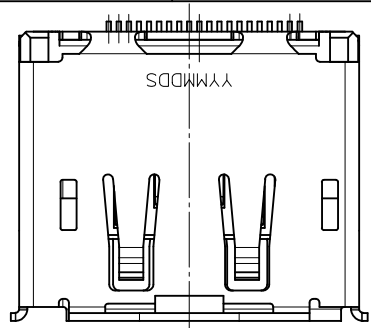
QUALITY SYMBOLS	DESCRIPTION
$\nabla_F = 0$	
$\nabla_F = 0$	
$\nabla_F = 0$	

GENERAL TOLERANCES (UNLESS SPECIFIED)		
	mm	INCH
4 PLACES	$\pm$ ---	$\pm$ ---
3 PLACES	$\pm$ ---	$\pm$ ---
2 PLACES	± 0.25	$\pm$ ---
1 PLACE	± 0.25	$\pm$ ---
ANGULAR $\pm 3^\circ$		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		

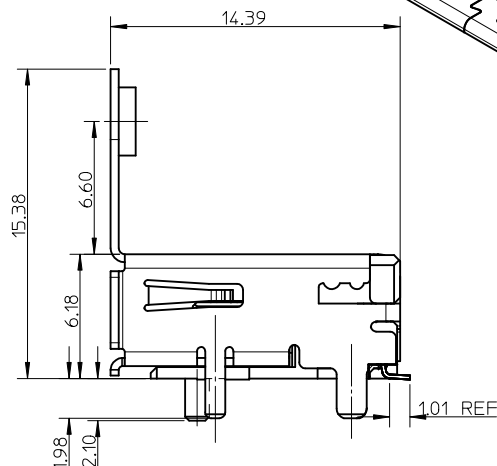
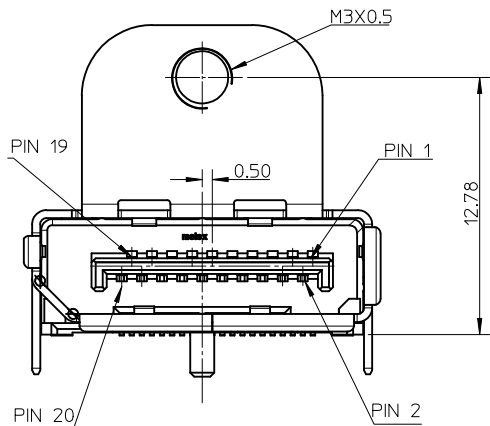
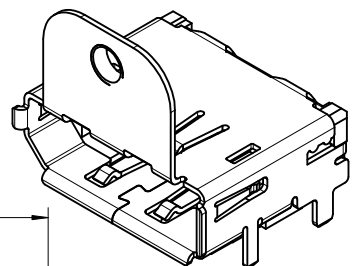
DIMENSION STYLE	
MM ONLY	
DRAWN BY	DATE
RZHANG	2005/07/01
CHECKED BY	DATE
IWANG	2005/07/01
APPROVED BY	DATE
RZHANG	2010/03/26
MATERIAL NO.	
SEE SHEETS5	
SIZE	
A3	

SCALE 1:1	DESIGN UNITS METRIC		THIRD ANGLE PROJECTION
TITLE			
1.0MM PITCH DISPLAY PORT RECEPTACLE ASSEMBLY			
MOLEX INCORPORATED			
DOCUMENT NO. SD-47272-001			SHEET NO. 2 OF 8
THIS INFORMATION THAT IS PROPRIETARY TO MOLEX SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

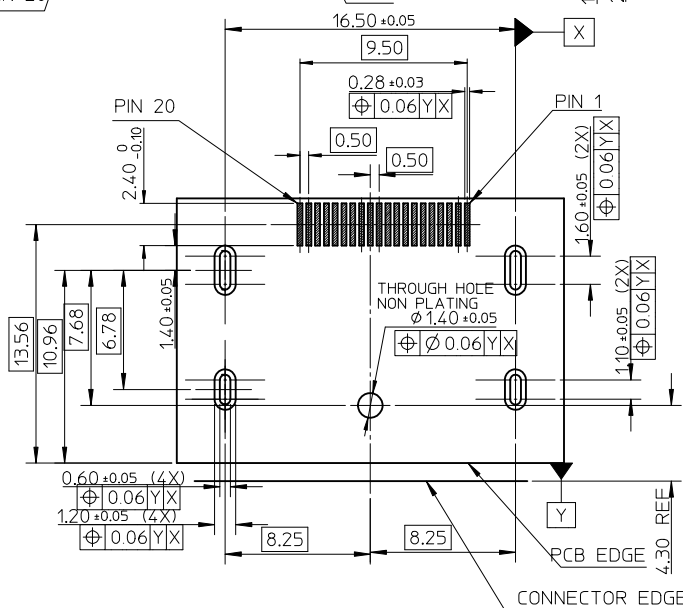
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WITH FLANGE AND THROUGH HOLE PEG

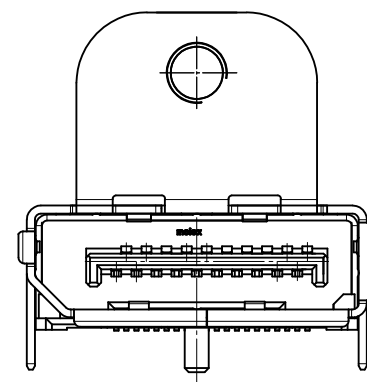
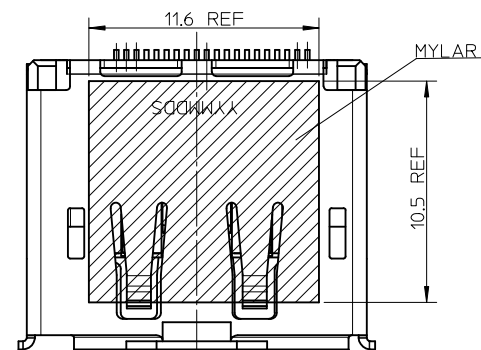


NOTES:
UNSPECIFIED DIMENSION ARE SAME AS SHEET1



RECOMMENDED PCB LAYOUT (THICKNESS=1.6±0.15)

WITH MYLAR



NOTES:
UNSPECIFIED DIMENSION ARE SAME AS SHEET1

REVISED		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION	
EC NO: SH2010-0353		F=0		mm		MM ONLY		1:1		METRIC		THIRD ANGLE PROJECTION	
DRWN: HHE		F=0		INCH		DRAWN BY		DATE		TITLE		1.0MM PITCH DISPLAY PORT RECEPTACLE ASSEMBLY	
CHKD: FYANG05		F=0		4 PLACES ± --- ± ---		RZHANG		2005/07/01		DATE		MOLEX INCORPORATED	
APPR: RZHANG		F=0		3 PLACES ± --- ± ---		CHECKED BY		DATE		2005/07/01		DOCUMENT NO.	
				2 PLACES ± 0.25 ± ---		I WANG		2005/07/01		APPROVED BY		SD-47272-001	
				1 PLACE ± 0.25 ± ---		RZHANG		2010/03/26		DATE		SHEET NO.	
				ANGULAR ± 3 °		MATERIAL NO.				SEE SHEETS 5		3 OF 8	
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					
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	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																																																																																																														
	47272-0028	WITHOUT	WITH		WITH	SEE NOTE2(3)	SEE NOTE2(c)	WITH	WITH	WITH		FOR SHEET 4																																																																																																												
C	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																																																																																																														
	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																																																																																																												
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A	<table><tr><td rowspan="5">REVISED</td><td rowspan="5">EC NO: SH2010-0353</td><td rowspan="5">2010/03/08</td><td rowspan="5">DRWN:HE</td><td rowspan="5">2010/03/24</td><td rowspan="5">CHKD:FYANG05</td><td rowspan="5">2010/03/29</td><td rowspan="5">APPR:RZHANG</td><td rowspan="5">DESCRIPTION</td><td rowspan="5">QUALITY SYMBOLS</td><td colspan="2">GENERAL TOLERANCES (UNLESS SPECIFIED)</td><td colspan="2">DIMENSION STYLE</td><td>SCALE</td><td>DESIGN UNITS</td><td rowspan="2">THIRD ANGLE PROJECTION</td></tr><tr><td colspan="2"></td><td colspan="2">MM ONLY</td><td>1:1</td><td>METRIC</td></tr><tr><td colspan="2"></td><td>mm</td><td>INCH</td><td>DRAWN BY</td><td>DATE</td><td>TITLE</td><td></td><td></td></tr><tr><td colspan="2">4 PLACES</td><td>± ---</td><td>± ---</td><td>RZHANG</td><td>2005/07/01</td><td>1.0MM PITCH DISPLAY PORT RECEPTACLE ASSEMBLY</td><td></td><td></td></tr><tr><td colspan="2">3 PLACES</td><td>± ---</td><td>± ---</td><td>CHECKED BY</td><td>DATE</td><td></td><td></td><td></td></tr><tr><td colspan="2">2 PLACES</td><td>± 0.25</td><td>± ---</td><td>IWANG</td><td>2005/07/01</td><td></td><td></td><td></td></tr><tr><td colspan="2">1 PLACE</td><td>± 0.25</td><td>± ---</td><td>APPROVED BY</td><td>DATE</td><td></td><td></td><td></td></tr><tr><td colspan="2"></td><td colspan="2">ANGULAR ± 3 °</td><td>RZHANG</td><td>2010/03/26</td><td></td><td></td><td></td></tr><tr><td colspan="2"></td><td colspan="2"></td><td colspan="2">MATERIAL NO.</td><td colspan="2">moLEX MOLEX INCORPORATED</td><td></td></tr><tr><td colspan="2"></td><td colspan="2"></td><td colspan="2">DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS</td><td colspan="2">SEE CHART</td><td>DOCUMENT NO.</td><td>SD-47272-001</td><td>SHEET NO.</td></tr><tr><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td><td colspan="2">SIZE A3</td><td colspan="2">THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</td><td>5 OF 8</td></tr></table>											REVISED	EC NO: SH2010-0353	2010/03/08	DRWN:HE	2010/03/24	CHKD:FYANG05	2010/03/29	APPR:RZHANG	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION			MM ONLY		1:1	METRIC			mm	INCH	DRAWN BY	DATE	TITLE			4 PLACES		± ---	± ---	RZHANG	2005/07/01	1.0MM PITCH DISPLAY PORT RECEPTACLE ASSEMBLY			3 PLACES		± ---	± ---	CHECKED BY	DATE				2 PLACES		± 0.25	± ---	IWANG	2005/07/01				1 PLACE		± 0.25	± ---	APPROVED BY	DATE						ANGULAR ± 3 °		RZHANG	2010/03/26								MATERIAL NO.		moLEX MOLEX INCORPORATED							DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		DOCUMENT NO.	SD-47272-001	SHEET NO.							SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		5 OF 8	A
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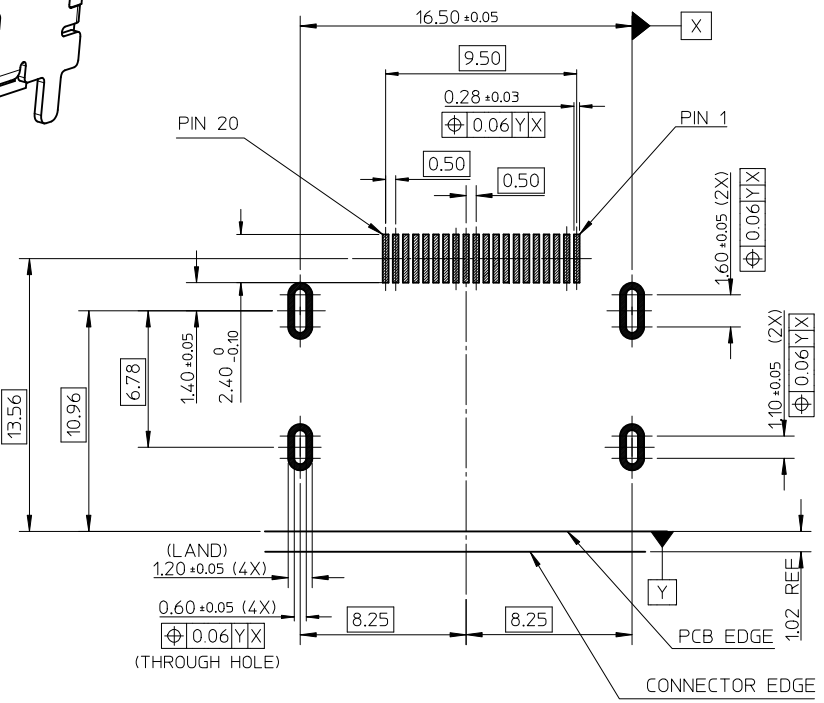
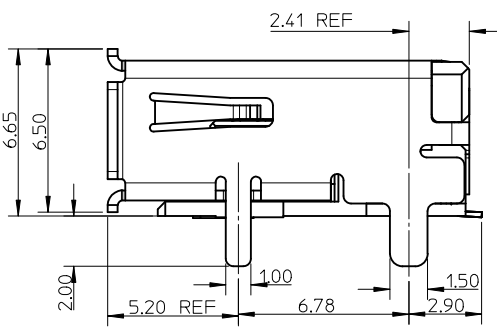
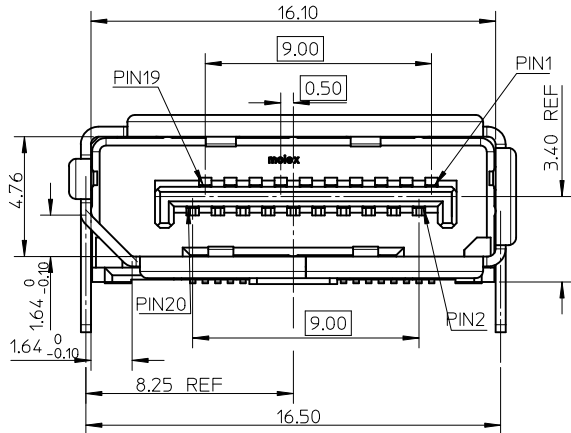
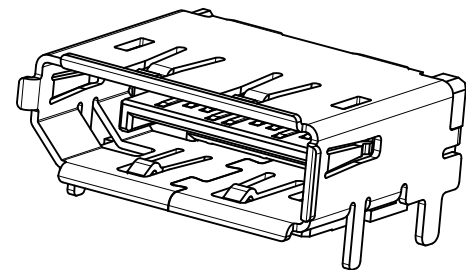
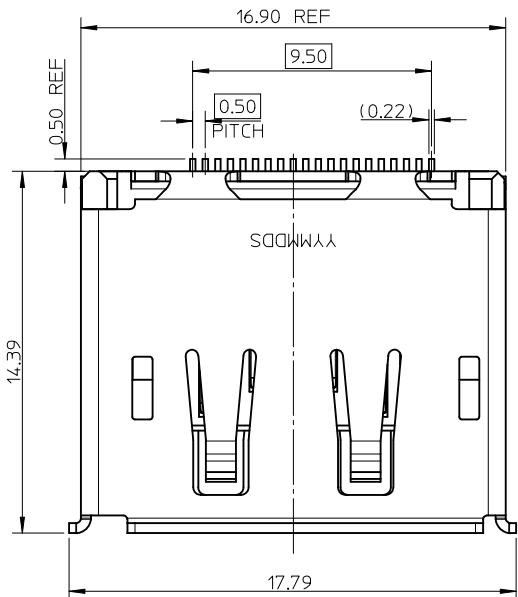
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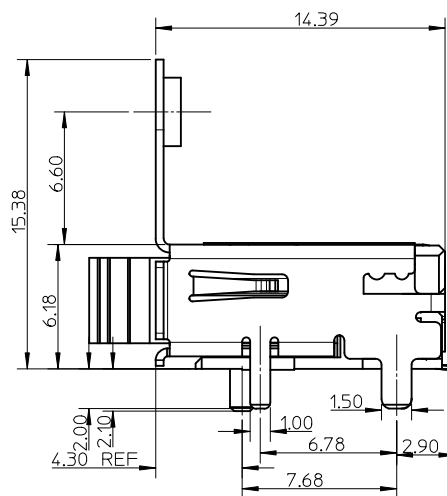
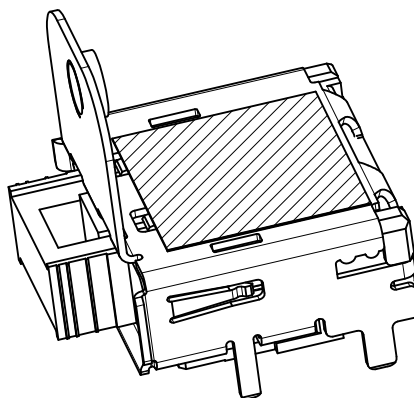
WITHOUT POST



NOTES:
UNSPECIFIED DIMENSION ARE SAME AS SHEET1

REVISED EC NO: SH2010-0353 DRWN:HHE CHKD:FYANG05 APPR:RZHANG	2010/03/08 2010/03/24 2010/03/29	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	 THIRD ANGLE PROJECTION	TITLE		
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						RZHANG		2005/07/01					
						CHECKED BY		DATE					
						IWANG		2005/07/01					
						APPROVED BY		DATE					
		RZHANG		2010/03/26		 MOLEX INCORPORATED							
		ANGULAR ± 3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.					
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEETS5		SD-47272-001		6 OF 8					
				SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							
				A3									

9 8 7 6 5 4 3 2 1



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

tb_frame_A3_P_AM_T
Rev. F 2009/06/18

10 9 8 7 6 5 4 3 2 1

F

E

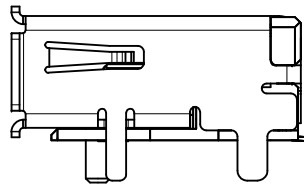
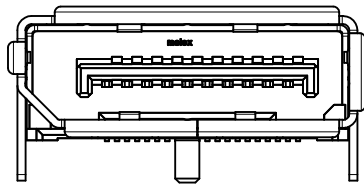
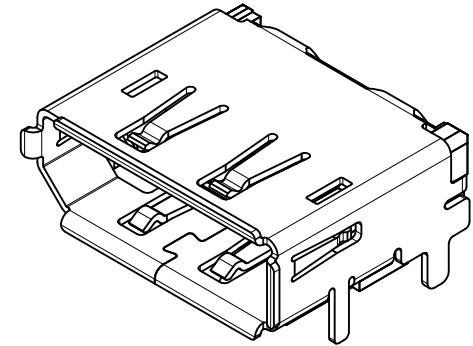
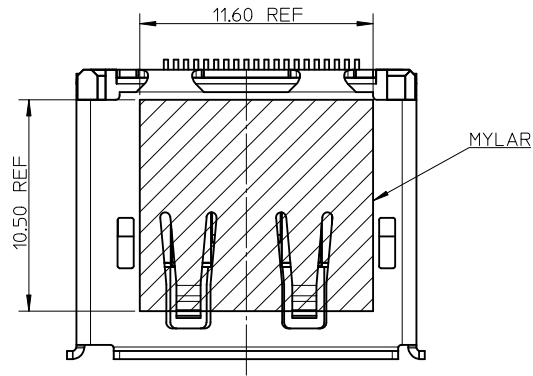
D

C

B

A

STANDARD TYPE WITH MYLAR



NOTES:

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

REVISED EC NO: SH2010-0353 DRWN:HE CHKD:FYANG05 APPR:RZHANG	2010/03/08 2010/03/24 2010/03/29	DESCRIPTION REV	QUALITY SYMBOLS FA=0 FE=0 FP=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	TITLE 1.0MM PITCH DISPLAY PORT RECEPTACLE ASSEMBLY	
						DRAWN BY RZHANG	DATE 2005/07/01	MOLEX INCORPORATED				
						CHECKED BY IWANG	DATE 2005/07/01					
						APPROVED BY RZHANG	DATE 2010/03/26					DOCUMENT NO.
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEETS5		SD-47272-001				
				SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

9 8 7 6 5 4 3 2 1



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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