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Part Number: [0473790100](#)
Status: **Active**
Description: 1.27mm (.050") Pitch External Improved Metal-Shielded Serial ATA Plug, Unmating Height 7.70mm (.303"), Gold (Au) Flash, Top Surface Mount with Shell, Right Angle, 7 Circuits, with Vacuum Pick-Up Tape, with in-line peg position, Lead Free

Documents:
[3D Model](#)
[Drawing \(PDF\)](#)
[Product Specification PS-47082-001 \(PDF\)](#)
[RoHS Certificate of Compliance \(PDF\)](#)

General

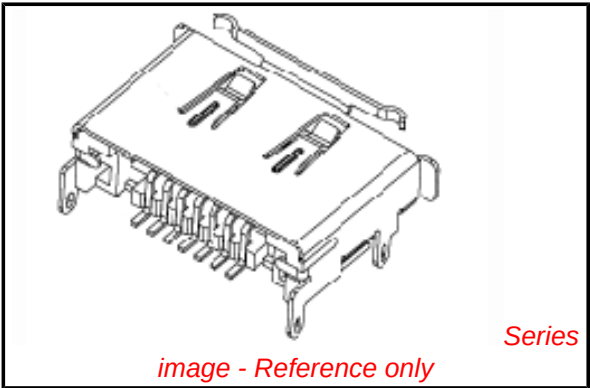
Product Family	I/O Connectors
Series	47379
Application	Wire-to-Board
Component Type	Plug
Product Name	External Serial ATA
Type	N/A

Physical

Boot Color	N/A
Circuits (Loaded)	7
Circuits (maximum)	7
Gender	Male
Keying to Mating Part	Yes
Lock to Mating Part	Yes
Material - Metal	Brass
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Number of Rows	1
Orientation	Right Angle
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness Recommended (in)	0.051 In
PCB Thickness Recommended (mm)	1.30 mm
Packaging Type	Embossed Tape on Reel
Panel Mount	Yes
Pitch - Mating Interface (in)	0.050 In
Pitch - Mating Interface (mm)	1.27 mm
Pitch - Term. Interface (in)	0.050 In
Pitch - Term. Interface (mm)	1.27 mm
Plating min: Mating (µin)	2
Plating min: Mating (µm)	0.05
Plating min: Termination (µin)	50
Plating min: Termination (µm)	1.27
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Ports	1
Temperature Range - Operating	-35°C to +85°C
Termination Interface: Style	Surface Mount
Waterproof / Dustproof	No

Electrical

Current - Maximum per Contact	1.5A
Grounding to Panel	Yes
Shielded	Yes
Voltage - Maximum	15V DC



EU RoHS
ELV and RoHS
Compliant
REACH SVHC
Not Reviewed
Halogen-Free
Status

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
[47379Series](#)

Mates With
[68782](#) External Serial ATA Cable Assemblies

Solder Process Data

Duration at Max. Process Temperature (seconds)	8
Lead-free Process Capability	Reflow Capable (SMT only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	260

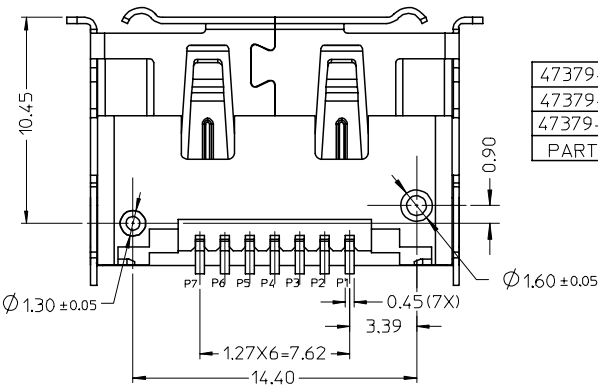
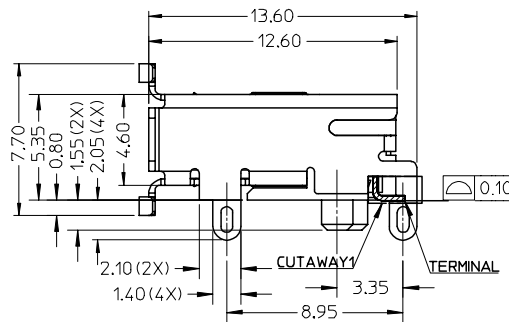
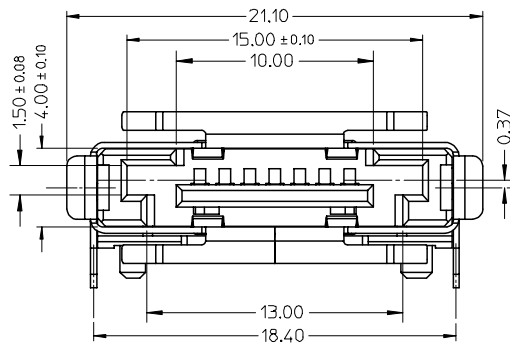
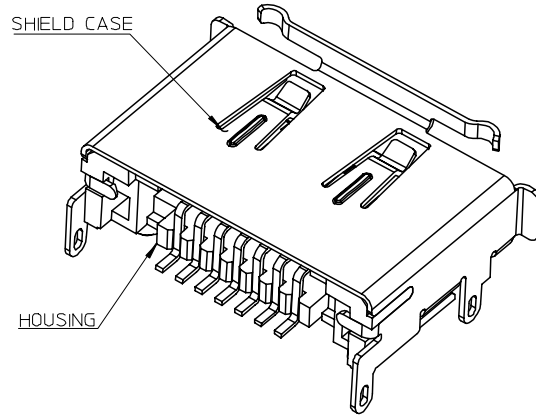
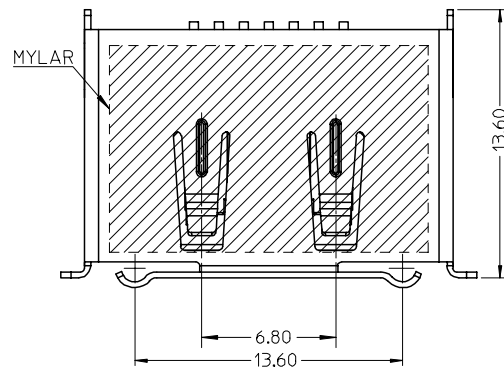
Material Info

Reference - Drawing Numbers

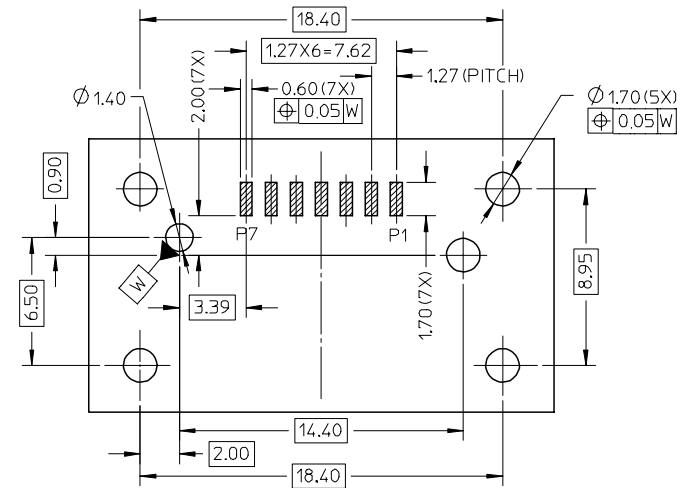
Product Specification	PS-47082-001
Sales Drawing	SD-47379-100

This document was generated on 04/02/2010

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47379-2000	TERMINAL CONTACT AREA PLATED 30μ" GOLD
47379-1000	TERMINAL CONTACT AREA PLATED 15μ" GOLD
47379-0000	TERMINAL CONTACT AREA PLATED GOLD FLASH
PART NO.	DESCRIPTION



RECOMMEND PCB LAYOUT (CONNECTOR SIDE)
THICKNESS=1.30 (ALL TOLERANCE: +7-0.05)

NOTES:

1. MATERIAL:

HOUSING: THERMAL PLASTIC. COLOR: BLACK, UL94V-0.

SHIELD CASE: COPPER ALLOY.

TERMIANL: COPPER ALLOY.

2. PLATING:

SHIELD CASE: 100~200μ" SOLDERABLE NICKEL OVER ALL.

TERMINAL: CONTACT AREA GOLD PLATING (SEE CHART) AND

SOLDER TAIL 50~100μ" TIN ALLOY PLATING

OVER 50μ" MIN. NICKEL.

3. PRODUCT SPEC REFER TO PS-47082-001.

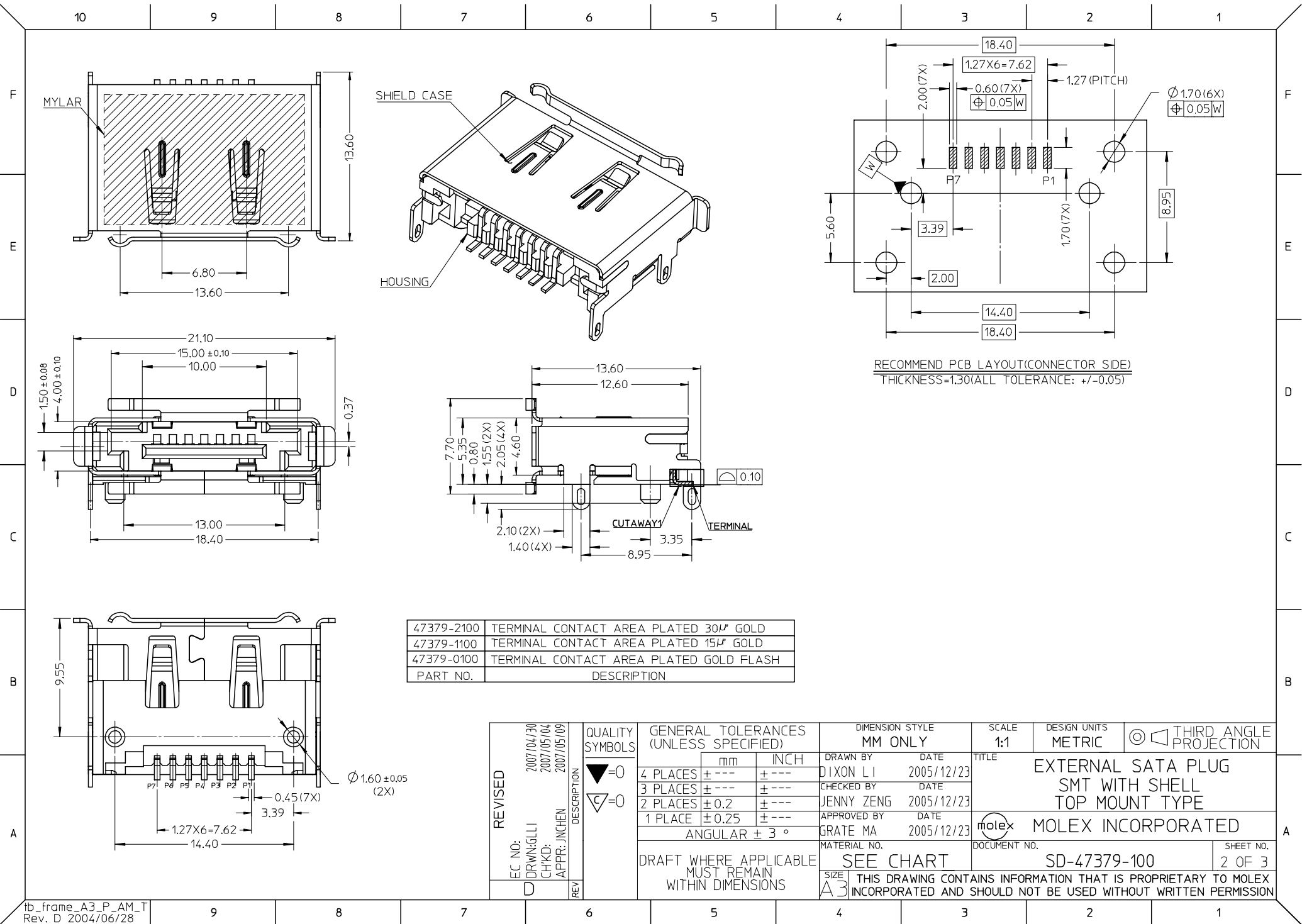
4. PACKAGE SPEC REFER TO PK-47379-001.

5. PRODUCT MEET STANDARD 1.0 REVISION OF THE SERIAL ATA II:

CABLE AND CONNECTOR VOL 2 SPECIFICATION.

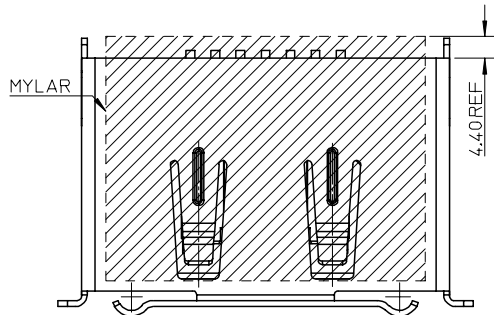
6. PRODUCT COMPLIANT TO RoHS DIRECTIVE 2002/95/EC AND ELV 2000/53/EC.

REVISED	EC NO:	DRAWN: GLLI	CHKD:	APPR: INCHEM	REV	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	TITLE	MOLEX INCORPORATED	SHEET NO.
								mm	INCH	DRAWN BY	DATE						
							▽=0	4 PLACES	± ---	± ---	DIXON LI	2005/12/23	1:1	METRIC	EXTERNAL SATA PLUG		
							▽C=0	3 PLACES	± ---	± ---	CHECKED BY	DATE			SMT WITH SHELL		
								2 PLACES	± 0.2	± ---	JENNY ZENG	2005/12/23			TOP MOUNT TYPE		
								1 PLACE	± 0.25	± ---	APPROVED BY	DATE					
								ANGULAR ± 3 °		GRATE MA	2005/12/23						
								DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.							
								SEE CHART		DOCUMENT NO.							
								SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							



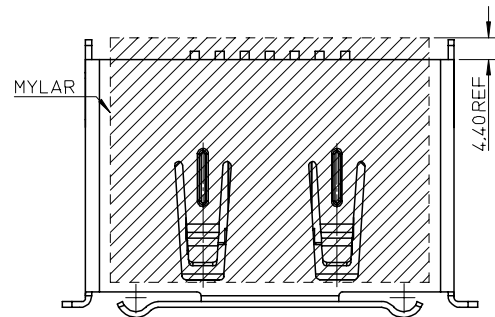
47379-2100	TERMINAL CONTACT AREA PLATED 30μ" GOLD
47379-1100	TERMINAL CONTACT AREA PLATED 15μ" GOLD
47379-0100	TERMINAL CONTACT AREA PLATED GOLD FLASH
PART NO.	DESCRIPTION

REVISED	EC NO: 2007/04/30 DRWG:GLLI 2007/05/04 CHKD: 2007/05/09 APPR: INCHEV	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽C=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
				mm	INCH	DRAWN BY DIXON LI	DATE 2005/12/23	EXTERNAL SATA PLUG SMT WITH SHELL TOP MOUNT TYPE			
						CHECKED BY JENNY ZENG	DATE 2005/12/23				
		1 PLACE ±0.25		APPROVED BY GRATE MA		DATE 2005/12/23	MOLEX INCORPORATED				
		ANGULAR ± 3 °		MATERIAL NO.		DOCUMENT NO.		SD-47379-100		SHEET NO. 2 OF 3	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				SEE CHART		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					



ALL DIMENSION REFER TO SHEET 1.

47379-2010	TERMINAL CONTACT AREA PLATED 30μ" GOLD
47379-1010	TERMINAL CONTACT AREA PLATED 15μ" GOLD
47379-0010	TERMINAL CONTACT AREA PLATED GOLD FLASH
PART NO.	DESCRIPTION



ALL DIMENSION REFER TO SHEET 2.

47379-2110	TERMINAL CONTACT AREA PLATED 30μ" GOLD
47379-1110	TERMINAL CONTACT AREA PLATED 15μ" GOLD
47379-0110	TERMINAL CONTACT AREA PLATED GOLD FLASH
PART NO.	DESCRIPTION

REVISED EC NO: SH2007-0788 2007/04/30 DRWN:GLLI 2007/05/04 CHKD:JTIAN 2007/05/09 APPR: JNCHEN	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
									TITLE EXTERNAL SATA PLUG SMT WITH SHELL TOP MOUNT TYPE	
									MOLEX INCORPORATED	
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-47379-100		SHEET NO. 3 OF 3	
D	REV				SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				