

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0473791100

Status:

Active

Description:

1.27mm (.050") Pitch External Improved Metal-Shielded Serial ATA Plug, Unmating Height 7.70mm (.303"), 0.38µm (15µ") Gold (Au) Plating, Top Surface Mount with Shell, Right Angle, 7 Circuits, with Vacuum Pick-Up Tape, with linear 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)	15.2
Plating min: Mating (µm)	0.38
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

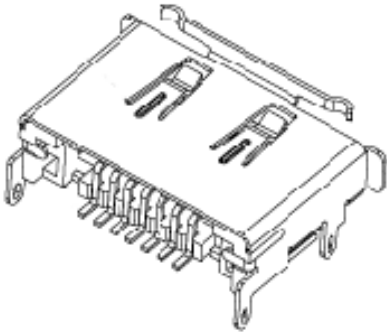


image - Reference only

Series

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

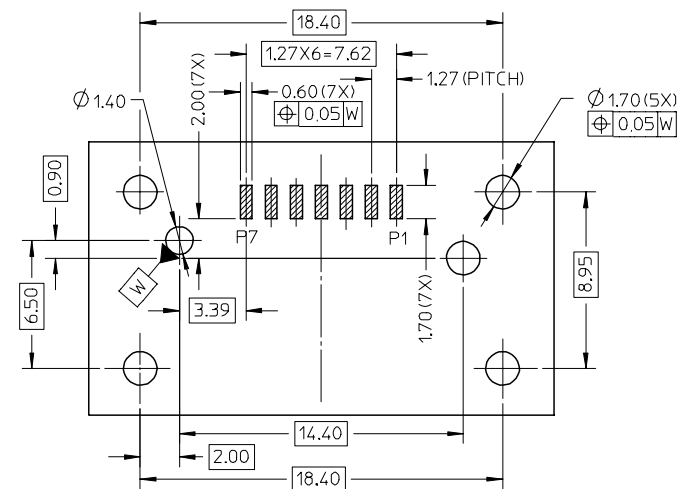
Material Info

Reference - Drawing Numbers

Packaging Specification	PK-47082-001, PK-47379-001
Product Specification	PS-47082-001
Sales Drawing	SD-47379-100

This document was generated on 05/11/2010

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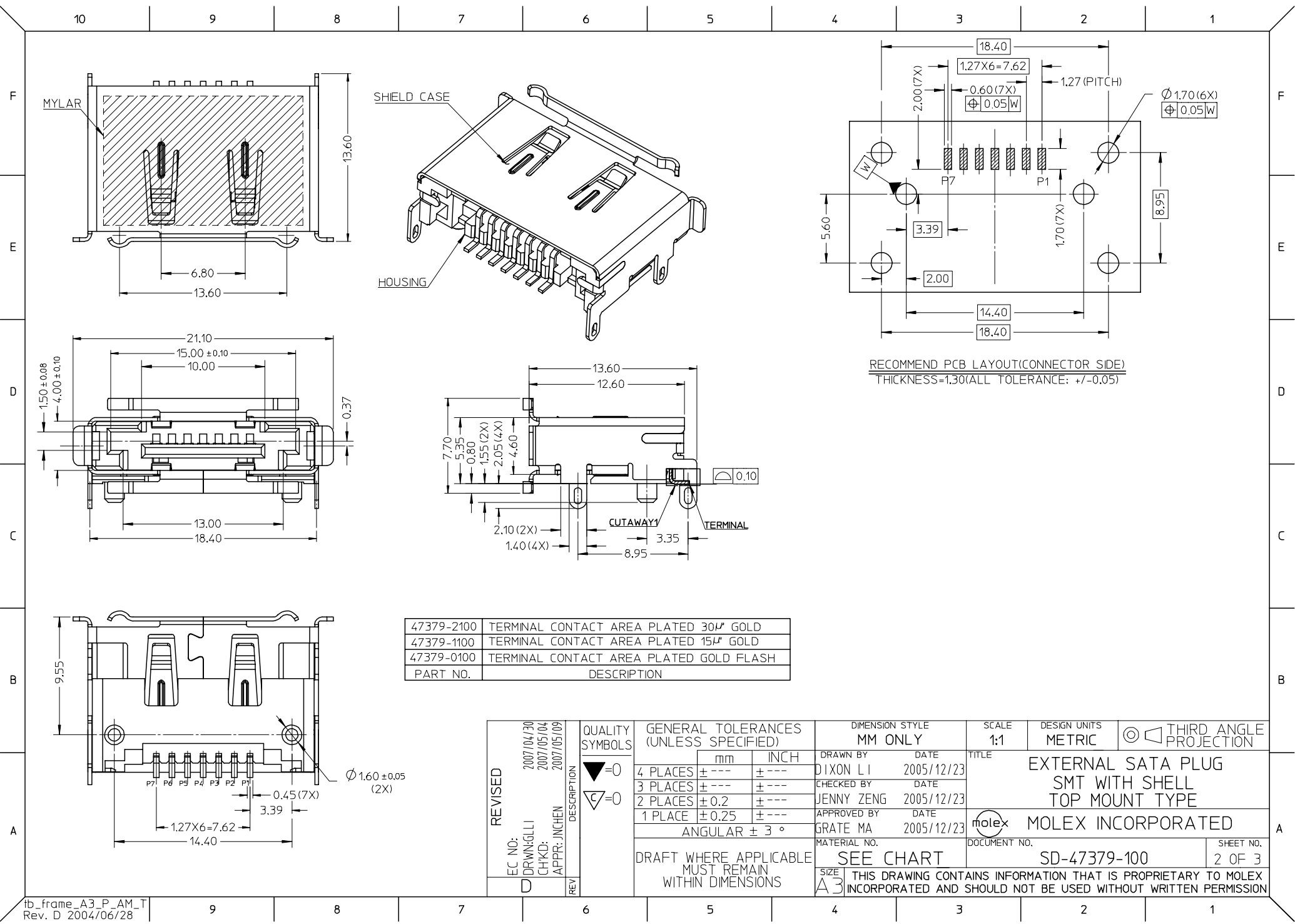
RECOMMEND PCB LAYOUT(CONNECTOR SIDE)
THICKNESS=1.30(ALL TOLERANCE: +/-0.05)

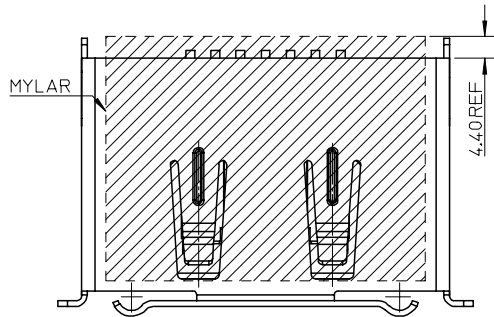
NOTES:

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.

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

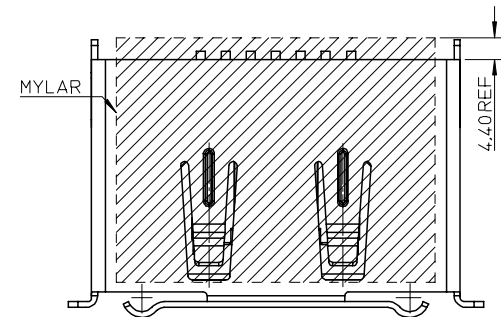
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ALL DIMENSION REFER TO SHEET 1.

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			
			mm		INCH		DRAWN BY DIXON LI	DATE 2005/12/23	TITLE EXTERNAL SATA PLUG SMT WITH SHELL TOP MOUNT TYPE				
			4 PLACES ± ---		± ---		CHECKED BY JENNY ZENG					DATE 2005/12/23	
			3 PLACES ± ---		± ---		APPROVED BY GRATE MA					DATE 2005/12/23	
			2 PLACES ± 0.2		± ---		MOLEX INCORPORATED						
			1 PLACE ± 0.25		± ---		DOCUMENT NO. SD-47379-100		SHEET NO. 3 OF 3				
			ANGULAR ± 3 °		SEE CHART								
			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					