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Part Number:

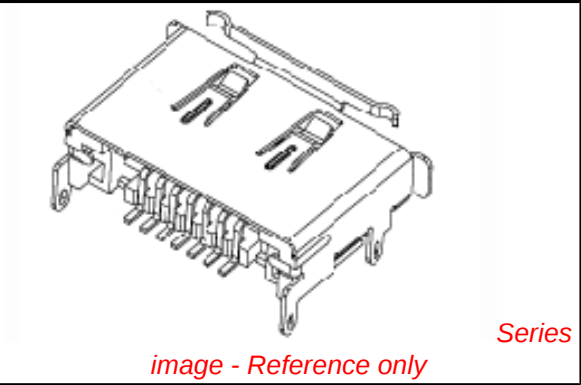
0473792100

Status:

Active

Description:

1.27mm (.050") Pitch External Improved Metal-Shielded Serial ATA Plug, Unmating Height 7.70mm (.303"), 0.76µm (30µ") 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	Product Specification PS-47082-001 (PDF)
Drawing (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)	30
Plating min: Mating (µm)	0.76
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

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

47379Series

Mates With

[68782](#) External Serial ATA Cable Assemblies

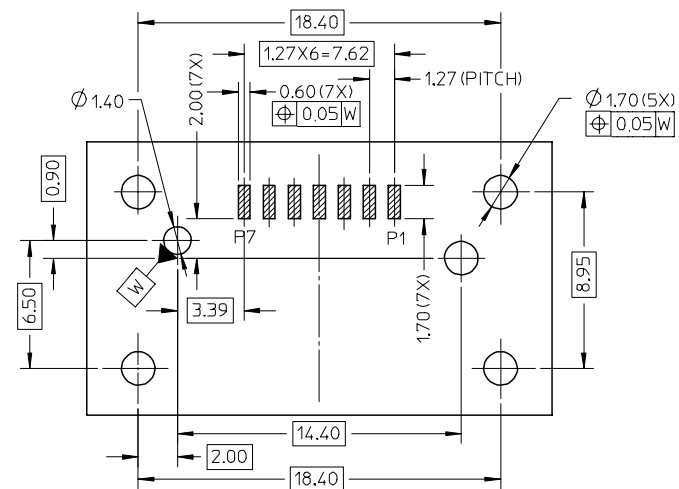
Material Info

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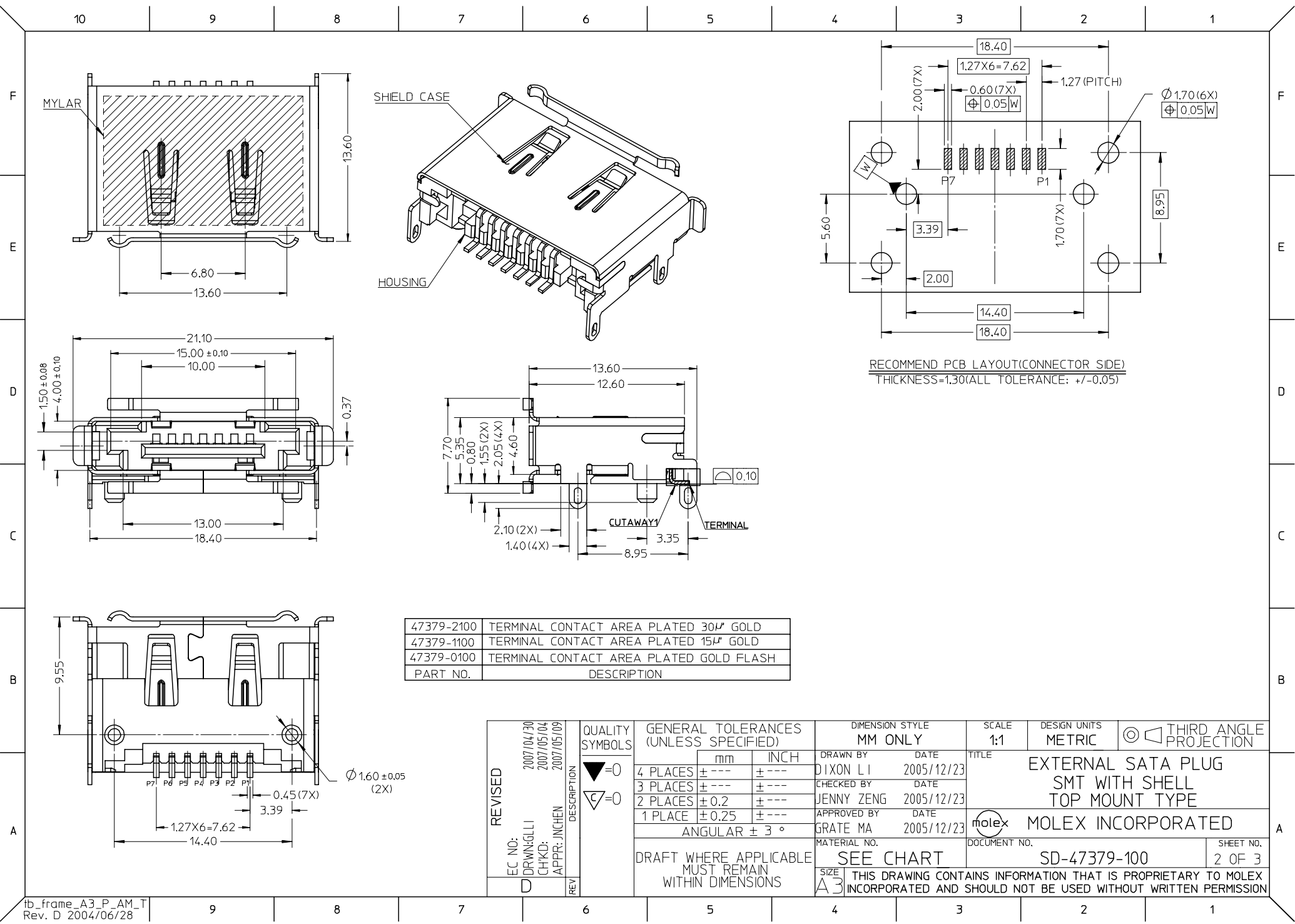
RECOMMEND PCB LAYOUT(CONNECTOR SIDE)
THICKNESS=1.30(ALL TOLERANCE: +/-0.05)

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.

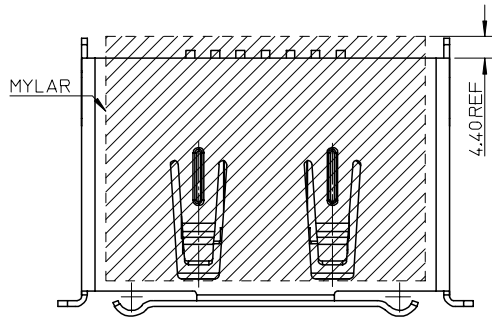
47379-2000	TERMINAL CONTACT AREA PLATED 30μ GOLD
47379-1000	TERMINAL CONTACT AREA PLATED 15μ GOLD
47379-0000	TERMINAL CONTACT AREA PLATED GOLD FLASH
PART NO.	DESCRIPTION

REVISED	EC NO:	2007/104/130	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
	DRAWINGILLI	2007/05/104						DRAWN BY DATE	TITLE EXTERNAL SATA PLUG SMT WITH SHELL TOP MOUNT TYPE	MOLEX MOLEX INCORPORATED	DOCUMENT NO. SD-47379-100	SHEET NO. 1 OF 3	
	CHKD:	2007/05/104						CHECKED BY DATE					
	APPR.: JINCHEN	2007/05/109						JENNY ZENG 2005/12/23					
	REV	D						1 PLACE ±0.25 ±---	APPROVED BY DATE				
					ANGULAR ± 3 °			GRATE MA 2005/12/23					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			MATERIAL NO.										
			SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									



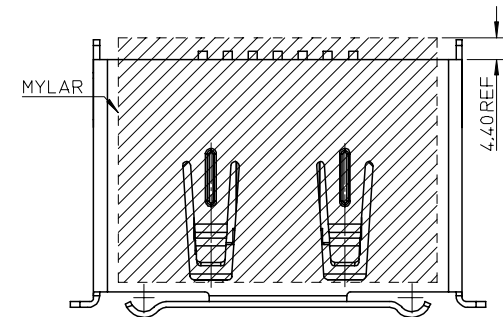
47379-2100	TERMINAL CONTACT AREA PLATED 30μ" GOLD
47379-1100	TERMINAL CONTACT AREA PLATED 15μ" GOLD
47379-0100	TERMINAL CONTACT AREA PLATED GOLD FLASH
PART NO.	DESCRIPTION

REVISED	EC NO: 2007/04/30 DRWG:GLLI CHKD: 2007/05/04 APPR: INCHEV 2007/05/09	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽C=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.2 ± --- 1 PLACE ± 0.25 ± --- ANGULAR ± 3 °	DIMENSION STYLE MM ONLY DRAWN BY DIXON LI DATE 2005/12/23 CHECKED BY JENNY ZENG DATE 2005/12/23 APPROVED BY GRATE MA DATE 2005/12/23 MATERIAL NO.	SCALE 1:1 TITLE EXTERNAL SATA PLUG SMT WITH SHELL TOP MOUNT TYPE MOLEX INCORPORATED DOCUMENT NO. SD-47379-100	DESIGN UNITS METRIC THIRD ANGLE PROJECTION	SHEET NO. 2 OF 3



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:GLI CHKD:JTIAN 2007/05/04 APPR: JNCHEN 2007/05/09	QUALITY SYMBOLS ▽=0 ▽C=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
								EXTERNAL SATA PLUG SMT WITH SHELL TOP MOUNT TYPE	
D	REV	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-47379-100		SHEET NO. 3 OF 3	