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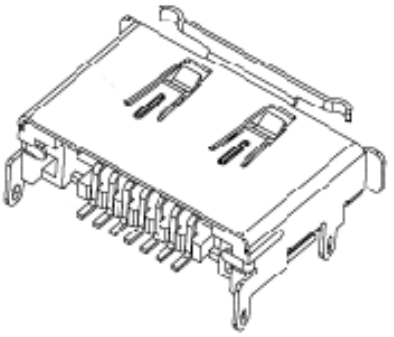
This document was generated on 04/02/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0473790000

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 non-linear peg position, Lead Free



Series image - Reference only

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
PC Tail Length (in)	0.000 In
PC Tail Length (mm)	0.00 mm
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

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

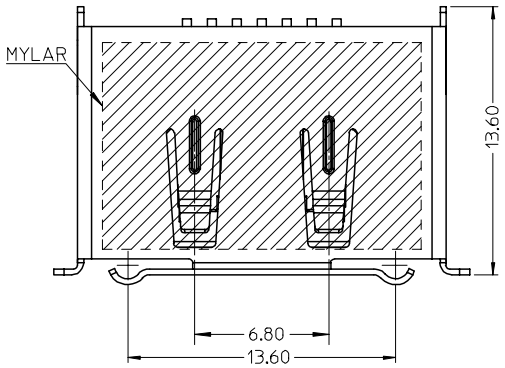
Shielded	Yes
Voltage - Maximum	15V DC

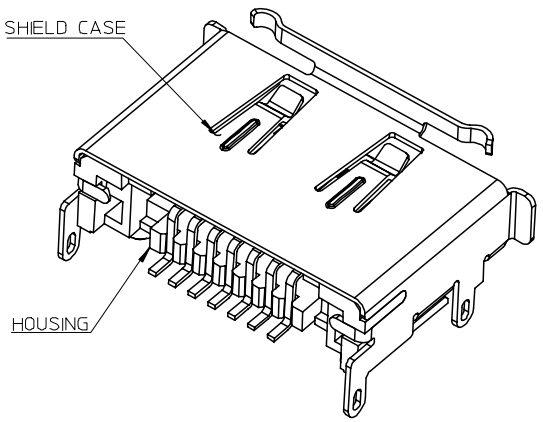
Material Info

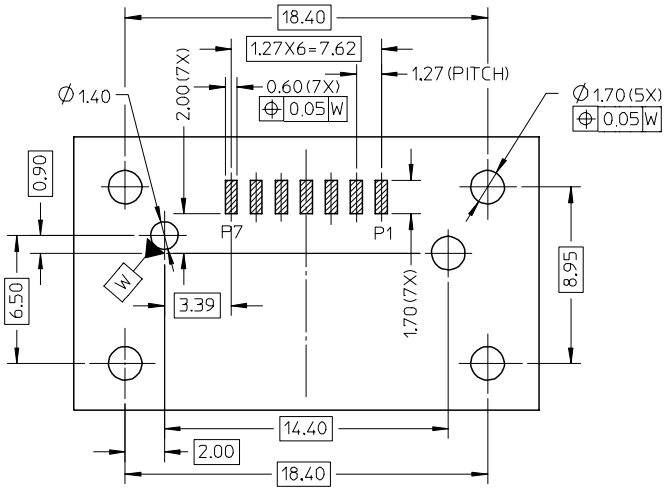
Reference - Drawing Numbers

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

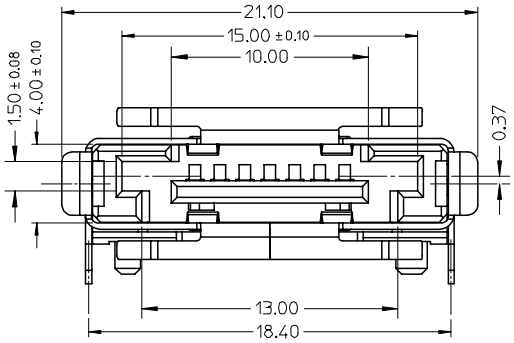
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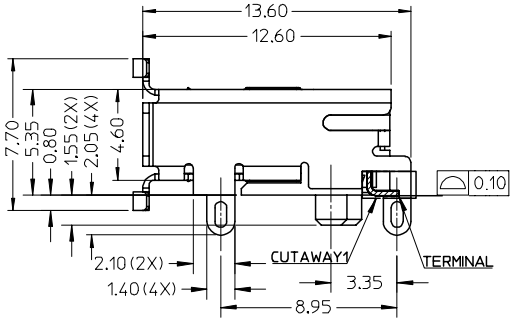


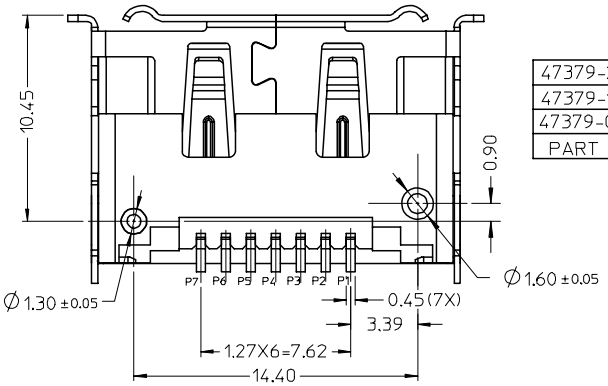




RECOMMEND PCB LAYOUT(CONNECTOR SIDE)
THICKNESS=1.30(ALL TOLERANCE: +/-0.05)







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

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: DRWN:GLI CHKD: APPR: JNCHEN
2007/04/30 2007/05/04 2007/05/09
DESCRIPTION
REV D

QUALITY SYMBOLS
▼=0
Ⓒ=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.2	± ---
1 PLACE	± 0.25	± ---
ANGULAR ± 3 °		

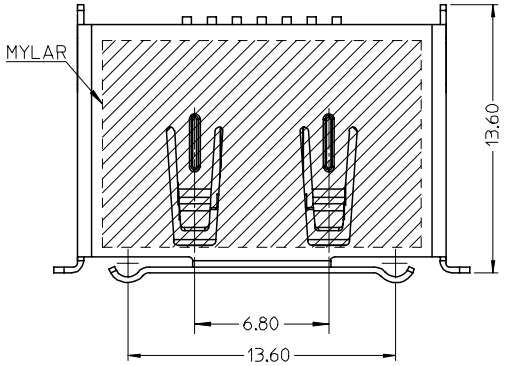
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

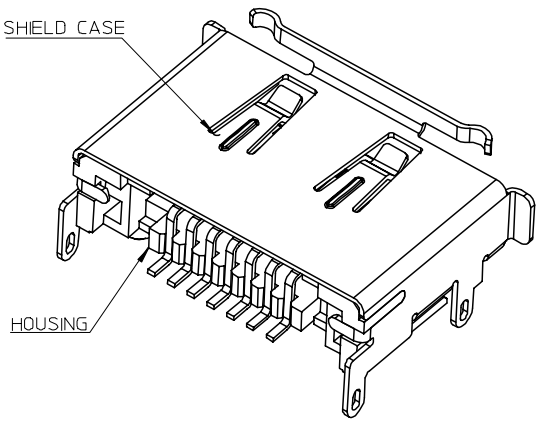
DIMENSION STYLE: MM ONLY
SCALE: 1:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

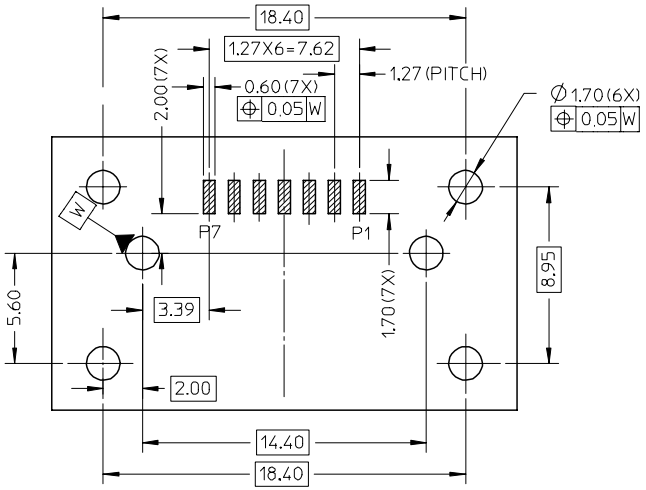
DRAWN BY: DIXON LI DATE: 2005/12/23
CHECKED BY: JENNY ZENG DATE: 2005/12/23
APPROVED BY: GRATE MA DATE: 2005/12/23
MATERIAL NO.: SEE CHART

TITLE: EXTERNAL SATA PLUG SMT WITH SHELL TOP MOUNT TYPE
MOLEX INCORPORATED
DOCUMENT NO.: SD-47379-100
SHEET NO.: 1 OF 3
SIZE: A3

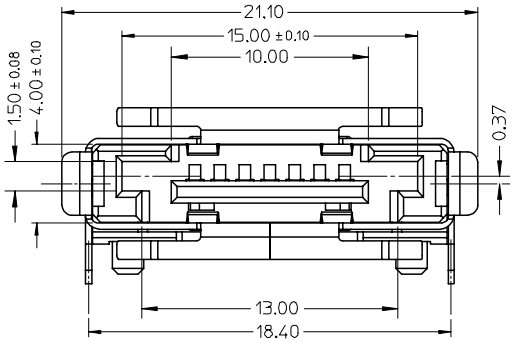
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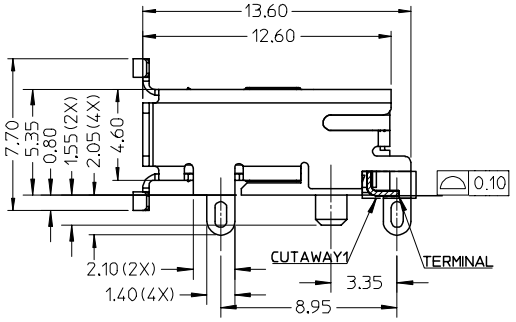


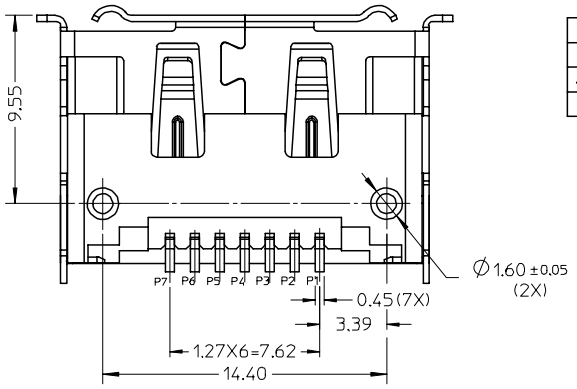




RECOMMEND PCB LAYOUT(CONNECTOR SIDE)
THICKNESS=1.30(ALL TOLERANCE: +/-0.05)







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

REVISED
EC NO: 2007/04/30
DRWN:GLLI 2007/05/04
CHKD:
APPR: JNCHEN 2007/05/09
DESCRIPTION
REV D

QUALITY SYMBOLS
▼=0
Ⓒ=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.2	± ---
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: DIXON LI DATE: 2005/12/23
CHECKED BY: JENNY ZENG DATE: 2005/12/23
APPROVED BY: GRATE MA DATE: 2005/12/23

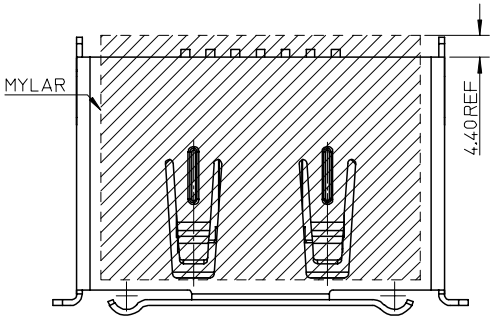
TITLE: EXTERNAL SATA PLUG SMT WITH SHELL TOP MOUNT TYPE

molex MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-47379-100
SHEET NO.: 2 OF 3

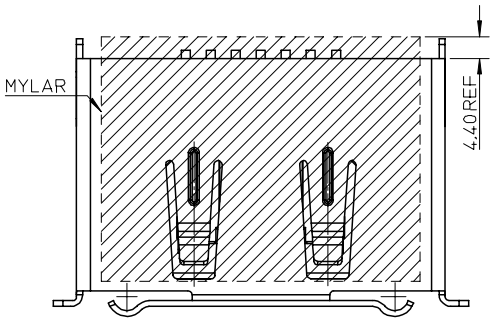
SIZE A3

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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
APPR: JNCHEN 2007/05/09
DESCRIPTION
REV D

QUALITY SYMBOLS
▼=0
Ⓒ=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.2	± ---
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: DIXON LI DATE: 2005/12/23
CHECKED BY: JENNY ZENG DATE: 2005/12/23
APPROVED BY: GRATE MA DATE: 2005/12/23

TITLE: EXTERNAL SATA PLUG SMT WITH SHELL TOP MOUNT TYPE

molex MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-47379-100
SHEET NO.: 3 OF 3

SIZE A3

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