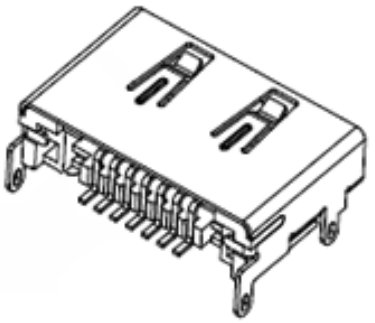
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PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0473913001
Status: Active
Overview: external_serial_ata
Description: 1.27mm (.050") Pitch External Serial ATA Shelled Plug without Flange, Bottom Mount, Right Angle, Unmating Height 5.35mm (.211"), 0.76µm (30µ")Gold(Au) Plating, 7 Circuits, with Vacuum Pick-Up Tape, Lead Free



Series

image - Reference only

Documents:
Drawing (PDF)
RoHS Certificate of Compliance (PDF)
Product Specification PS-47082-001 (PDF)

General

Product Family	I/O Connectors
Series	47391
Application	Wire-to-Board
Comments	Without Flange
Component Type	Plug, Receptacle
Overview	external_serial_ata
Product Name	External Serial ATA
Type	N/A

Physical

Boot Color	N/A
Circuits (Loaded)	7
Circuits (maximum)	7
Color - Resin	Black
Gender	Plug
Keying to Mating Part	Yes
Lock to Mating Part	Yes
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

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
47391Series

Mates With
68782 External Serial ATA Receptacle Cable

Grounding to Panel	Yes
Shielded	Yes
Voltage - Maximum	15V DC

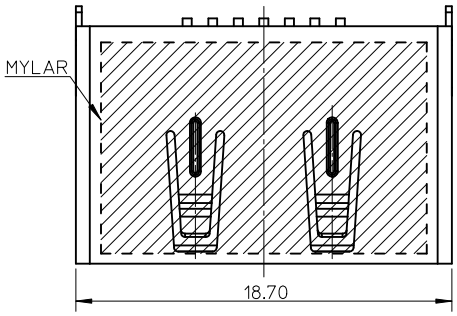
Material Info

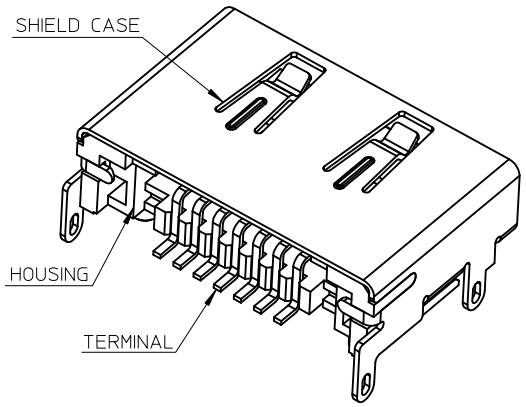
Reference - Drawing Numbers

Packaging Specification	PK-47379-001
Product Specification	PS-47082-001
Sales Drawing	SD-47391-300

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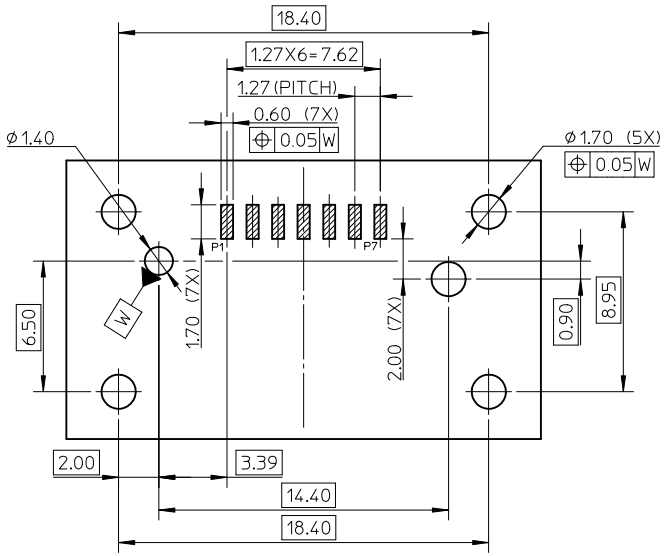
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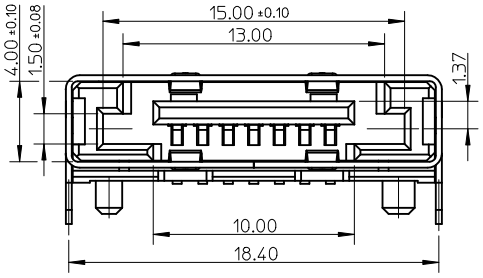


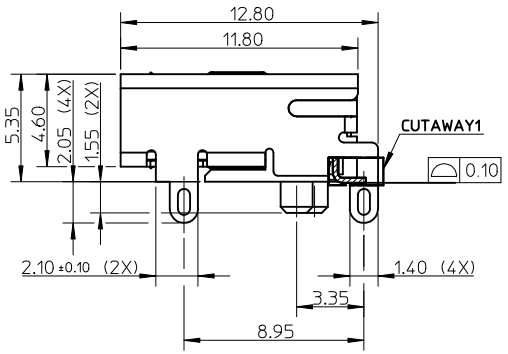
PIN ASSIGNMENT

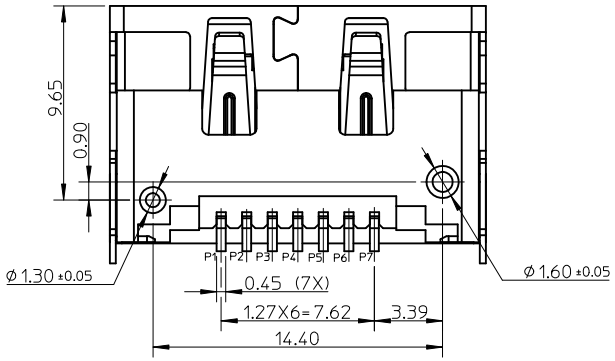
I/O SATA	
NAME	TYPE
P1	GND
P2	A+
P3	A-
P4	GND
P5	B-
P6	B+
P7	GND



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







PART NO.	CONTACT AREA PLATING
47391-3002	0.38 MICROMETRE MIN. GOLD
47391-3001	0.76 MICROMETRE MIN. GOLD
47391-3000	GOLD FLASH

NOTES:
1. MATERIAL:
   HOUSING: PA6T. COLOR: BLACK, UL94V-0.
   SHIELD CASE: COPPER ALLOY.
   TERMIANL: COPPER ALLOY.
2. PLATING:
   SHIELD CASE: 2.54~5.08 MICROMETRE SOLDERABLE NICKEL PLATING OVER ALL.
   TERMINAL: CONTACT AREA GOLD PLATING, DETAIL SEE TABLE, SOLDER TAIL 1.27~2.54 MICROMETRE TIN ALLOY PLATING OVER 1.27 MICROMETRE MIN. NICKEL PLATING OVER ALL.
3. PRODUCT SPECIFICATION: PS-47082-001.
4. PACKAGE SPECIFICATION: PK-47379-001.
5. PRODUCT COMPLIANT TO RoHS DIRECTIVE 2002/95/EC AND ELV DIRECTIVE 2000/53/EC.

NEW RELEASE 2010/01/15
EC NO: SH2010-0281 2010/01/15
DRWN:XQZHANG 2010/02/01
CHKD:GLI
APPR:XJSONG
DESCRIPTION
A
REV

QUALITY SYMBOLS
EA=0
EC=0
EP=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.20	± ---
1 PLACE	± 0.25	± ---
ANGULAR ± 3 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 4:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

		DATE
DRAWN BY	XQZHANG	2009/09/23
CHECKED BY	XJSONG	2009/09/23
APPROVED BY	XJSONG	2009/09/23

TITLE: EXTERNAL SATA PLUG SMT WITH SHELL BOTTOM MOUNT TYPE
MOLEX INCORPORATED
MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-47391-300
SHEET NO.: 1 OF 1
SIZE: A3

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