

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0473910000

Status:

Active

Overview:

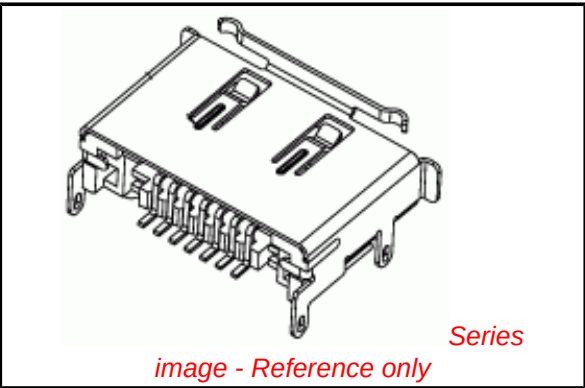
external_serial_ata

Description:

1.27mm (.050") Pitch External Serial ATA Plug with Flanged Shell, Bottom Mount, Right Angle, Unmating Height 7.70mm (.303"), Gold (Au) Flash, 7 Circuits, with Vacuum Pick-Up Tape, 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	47391
Application	Wire-to-Board
Comments	With 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)	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



EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Halogen-Free

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

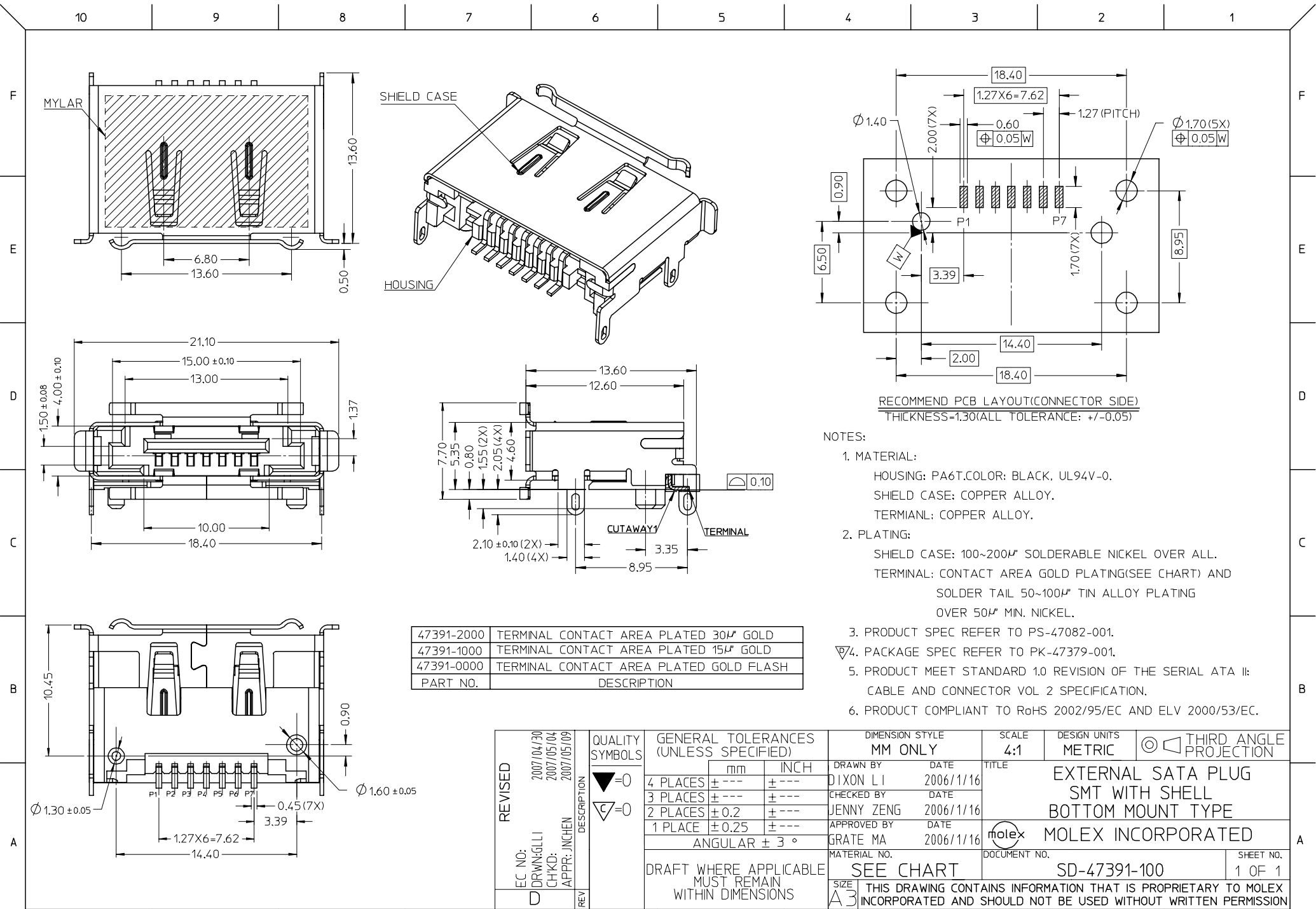
Mates With

68782 External Serial ATA Receptacle Cable

Grounding to Panel	Yes
Shield Type	Upper Shielding
Shielded	Yes
Voltage - Maximum	15V DC
Solder Process Data	
Duration at Max. Process Temperature (seconds)	30
Lead-free Process Capability	Reflow Capable (SMT only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	255
Material Info	
Reference - Drawing Numbers	
Packaging Specification	PK-47082-001, PK-47379-001
Product Specification	PS-47082-001
Sales Drawing	SD-47391-100

This document was generated on 05/19/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



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

- NOTES:
1. MATERIAL:
HOUSING: PA6T.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 2002/95/EC AND ELV 2000/53/EC.

47391-2000	TERMINAL CONTACT AREA PLATED 30μ" GOLD
47391-1000	TERMINAL CONTACT AREA PLATED 15μ" GOLD
47391-0000	TERMINAL CONTACT AREA PLATED GOLD FLASH
PART NO.	DESCRIPTION

REVISED	EC NO: 2007/04/30 DRWG:LLI 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 2006/1/16 CHECKED BY JENNY ZENG DATE 2006/1/16 APPROVED BY GRATE MA DATE 2006/1/16 MATERIAL NO.	SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	TITLE EXTERNAL SATA PLUG SMT WITH SHELL BOTTOM MOUNT TYPE MOLEX INCORPORATED	SHEET NO. 1 OF 1
D				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SEE CHART				SD-47391-100	