

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0476611001

Status:

Active

Overview:

external_serial_ata

Description:

1.27mm (.050"), 2.00mm (.079") 2.50mm (.098") Pitch External Serial ATA and USB Combo Receptacle, Top Mount Type, Through Hole, Right Angle, 0.38µm (15µ") Gold (Au) Plating, with Shell Forklock and Pegs, Tape on Reel Packaging, Lead free

Documents:

3D Model

Drawing (PDF)

Product Specification PS-47661-001 (PDF)

RoHS Certificate of Compliance (PDF)

General

Product Family

Series

Application

Comments

Overview

Product Name

PCB Receptacles

47661

Wire-to-Board

Combined Storage and I/O Connector

external_serial_ata

External Serial ATA, USB

Physical

Circuits (Loaded)

Color - Resin

Durability (mating cycles max)

Glow-Wire Compliant

Guide to Mating Part

Keying to Mating Part

Lock to Mating Part

Material - Metal

Material - Plating Mating

Material - Plating Termination

Material - Resin

Number of Rows

Orientation

PCB Locator

PCB Retention

Packaging Type

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Pitch - Term. Interface (in)

Pitch - Term. Interface (mm)

Plating min: Mating (µin)

Plating min: Mating (µm)

Plating min: Termination (µin)

Plating min: Termination (µm)

Polarized to Mating Part

Polarized to PCB

Temperature Range - Operating

Termination Interface: Style

11

Black

1,500

No

Yes

Yes

Yes

Copper Alloy

Gold

Tin

High Temperature Thermoplastic

2

Right Angle

Yes

Yes

Embossed Tape on Reel

0.050 In, 0.079 In, 0.098 In

1.27 mm, 2.00 mm, 2.50 mm

0.050 In, 0.079 In, 0.098 In

1.27 mm, 2.00 mm, 2.50 mm

15

0.38

2.00

0.05

Yes

Yes

-35°C to +85°C

Through Hole

Electrical

Current - Maximum per Contact

Voltage - Maximum

1.5A

15V DC

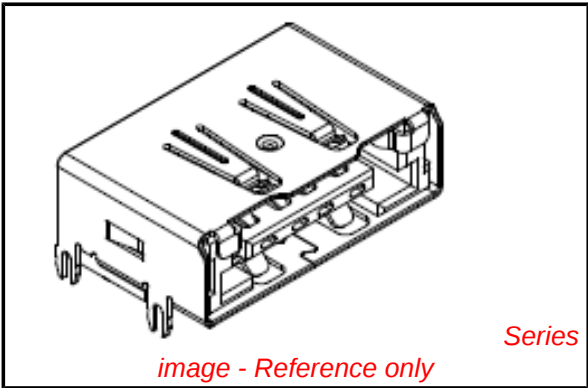
Solder Process Data

Duration at Max. Process Temperature (seconds)

Lead-free Process Capability

3

Reflow Capable (SMT only)



EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Not Reviewed

Halogen-Free

Status

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

47661Series

Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	255

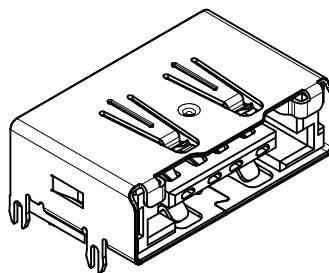
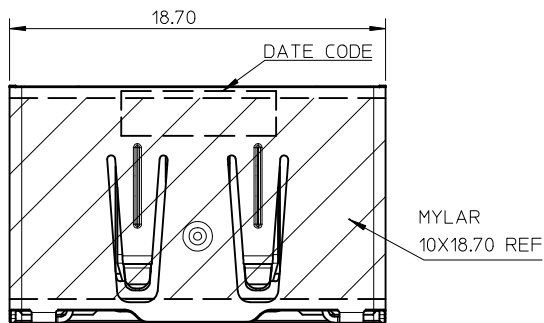
Material Info

Reference - Drawing Numbers

Packaging Specification	PK-47661-100
Product Specification	PS-47661-001
Sales Drawing	SD-47661-100

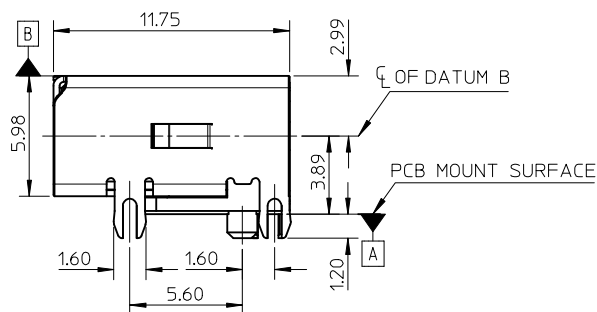
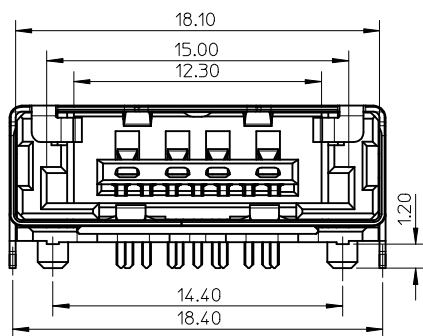
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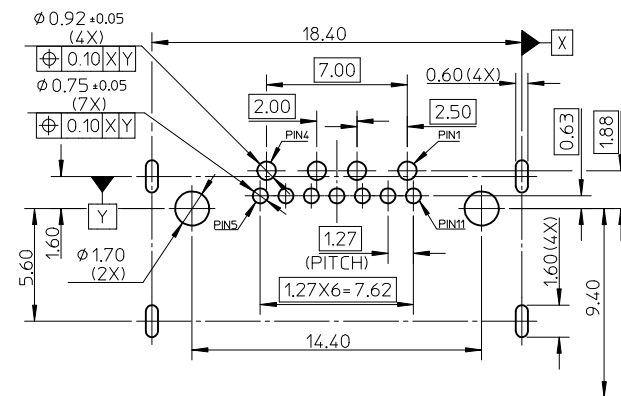
NOTES:

- 1.MATERIAL: HIGH TEMPERATURE THERMOPLASTIC, 30% GLASS FILLED, BLACK, UL94V-0.
TERMINAL-1: COPPER ALLOY.
TERMINAL-2: COPPER ALLOY.
METAL SHELL: STAINLESS STEEL.
- 2.TERMINAL PLATING:
CONTACT AREA: GOLD PLATING.
SOLDER AREA: TIN PLATING, 2.0 MICROMETERS MINIMUM.
UNDER PLATING: NIKEL PLATING, 2.0 MICROMETERS MINIMUM.
- 3.MATAL SHELL PLATING:
SOLDERABLE NIKEL PLATING.
- 4.PRODUCT COMPLIANT TO RoSH DIRECTIVE 2002/95/EC AND ELV2000/53/EC.



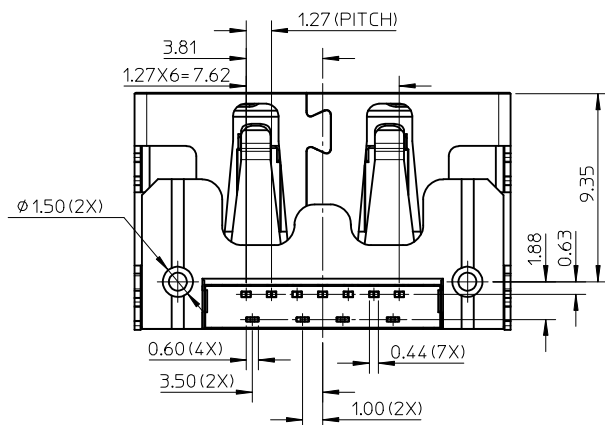
PIN ASSIGNMENT

USB		I/O SATA	
NAME	TYPE	NAME	TYPE
P1	VBUS	P5	GND
P2	D-	P6	A+
P3	D+	P7	A-
P4	GND	P8	GND
		P9	B-
		P10	B+
		P11	GND



RECOMMENDED PCB EDGE

RECOMMENDED PCB LAYOUT T=1.2MM
CONNECTOR SIDE;TOLERANCE:±0.05



P/N	GOLD PLATING SPEC
47661-1000	GOLD FLASH
47661-1001	15u" MINIMUM
47661-1002	30u" MINIMUM

NEW RELEASE EC NO: SH2010-0021 DRW:GLLI CHKD:XJISONG APPR:RZHANG	2009/09/10
	2009/09/10
	2009/09/10
	2009/09/25

QUALITY SYMBOLS
▽=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)		
	mm	INCH
4 PLACES	±---	±---
3 PLACES	±---	±---
2 PLACES	±0.25	±---
1 PLACE	±0.35	±---
ANGULAR ± 3 °		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		

DIMENSION STYLE	
MM ONLY	
DRAWN BY	DATE
DIXON LI	2008/11/12
CHECKED BY	DATE
STARY SONG	2008/11/12
APPROVED BY	DATE
HARVEY WANG	2008/11/12
MATERIAL NO.	
SEE CHART	

SCALE 4:1	DESIGN UNITS METRIC		THIRD ANGLE PROJECTION
TITLE			
SALES DRAWING FOR COMBO OF E-SATA & USB TOP MOUNT TYPE			
	MOLEX INCORPORATED		
DOCUMENT NO. SD-47661-100			SHEET NO. 1 OF 1
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			