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Part Number:

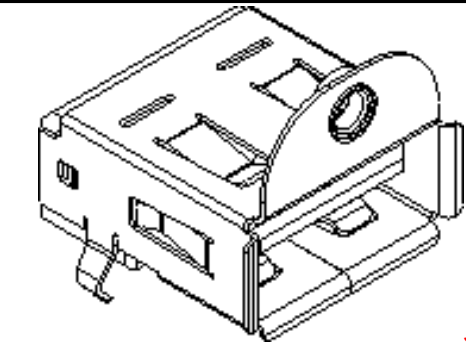
0676430991

Status:

Active

Description:

Universal Serial Bus (USB) Shielded I/O Receptacle, Right Angle, Type A, Black Polyester, 0.76µm (30µ") Gold (Au) Plating, PCB Thickness 1.60mm (.063"), with Upper Flange, Lead Free



Series
image - Reference only

Documents:

3D Model

Drawing (PDF)

[Product Specification PS-67643-003 \(PDF\)](#)
[RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family	I/O Connectors
Series	67643
Application	Wire-to-Board
Comments	With Upper Flange Not for IR Reflow Process
Component Type	Receptacle
Product Name	USB
Type	A

Physical

Boot Color	N/A
Circuits (Loaded)	4
Circuits (maximum)	4
Gender	Receptacle
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
PC Tail Length (in)	0.102 In
PC Tail Length (mm)	2.60 mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness Recommended (in)	0.062 In
PCB Thickness Recommended (mm)	1.60 mm
Packaging Type	Tray
Panel Mount	Yes
Pitch - Mating Interface (in)	0.079 In, 0.098 In
Pitch - Mating Interface (mm)	2.00 mm, 2.50 mm
Pitch - Term. Interface (in)	0.079 In, 0.098 In
Pitch - Term. Interface (mm)	2.00 mm, 2.50 mm
Plating min: Mating (µin)	30
Plating min: Mating (µm)	0.76
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Ports	1
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	0°C to +50°C
Termination Interface: Style	Through Hole
Waterproof / Dustproof	No

Electrical

Current - Maximum per Contact	1.5A
Shield Type	Full Shield
Shielded	Yes

EU RoHS
ELV and RoHS
Compliant
REACH SVHC
Not Reviewed
Halogen-Free
Status

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.

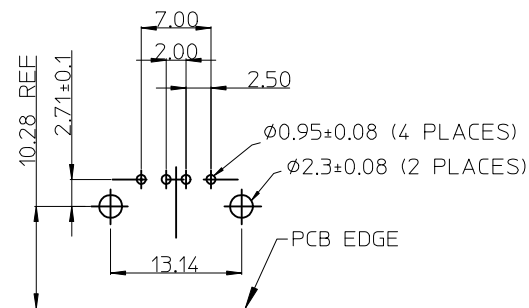
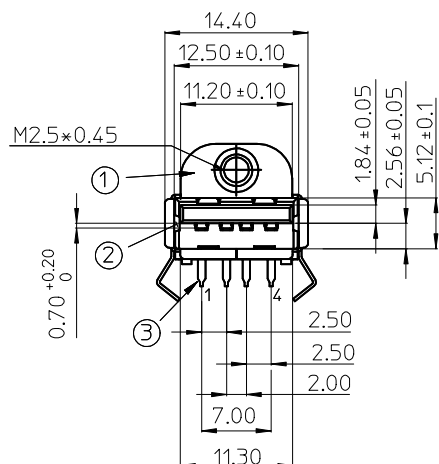
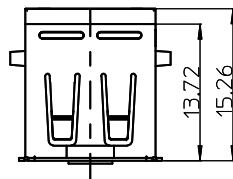
Search Parts in this Series
67643Series

Mates With
USB Type A Plug

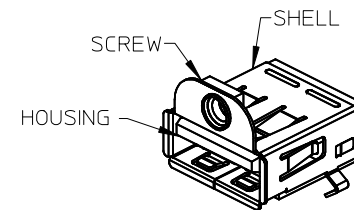
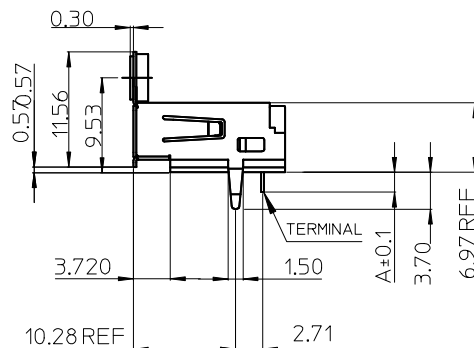
Voltage - Maximum	30V DC
Solder Process Data	
Lead-free Process Capability	Wave Capable (TH only)
Process Temperature max. C	260
Material Info	
Reference - Drawing Numbers	
Product Specification	PS-67643-003
Sales Drawing	SD-67643-004

This document was generated on 03/31/2010

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PCB LAYOUT (BOTTOM VIEW)



NOTES:

1. MATERIAL:

① METAL SHELL: COPPER ALLOY. SCREW: BRASS

② HOUSING: SEE CHART, 30% GLASS FIBER FILLES, UL94-V0.

③ TERMINAL: PHOSPHOR BRONZE

2. PLATING:

TERMINAL:

CONTACT AREA: (a) GOLD FLASH.

(b) GOLD (Au), THICKNESS=30 MICROINCH MINIMUM.

SOLDER TAIL: TIN PLATED, THICKNESS=75 MICROINCH MINIMUM.

UNDER PLATED: NICKEL (Ni), THICKNESS=50 MICROINCH MINIMUM.

METAL SHELL: SEE CHART.

3. RECOMMENDED PCB THICKNESS: SEE CHART

4. PRODUCT SPECIFICATION: FOR IR REFER TO PS-67643-002

FOR NON IR REFER TO PS-67643-003

5. TORQUE FORCE SPEC: 2.50kg-cm Min, MEASURED AT BROKEN POINT.

6. TEST SUMMARY: FOR IR REFER TO TS-67643-002

FOR NON IR REFER TO TS-67643-003

7. PACKAGE: REFER TO PK-67643-002

8. LEAD FREE AND ROHS COMPLIANCE PRODUCT

REVISED	EC NO:	DRWN: YPWU	CHKD:	APPR:	2009/08/28	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION			
							=0											
							=0	4 PLACES	± ---	± ---	DRAWN BY	DATE	TITLE	USB A TYPE RCPT SGL RA THRUHOLE WITH UPPER FLG (LEAD-FREE VERSION)				
								3 PLACES	± ---	± ---	IVY-LIN	2005/04/01						
								2 PLACES	± 0.25	± ---	CHECKED BY	DATE						
	1 PLACE	± 0.25	± ---	ALL IN	2005/04/01	APPROVED BY	DATE	MOLEX INCORPORATED										
ANGULAR ± 3 °			WWSCHANG		2005/04/01													
							DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			MATERIAL NO.		DOCUMENT NO.		SHEET NO.				
										SEE SHEET2		SD-67643-004		1 OF 2				
										SIZE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							
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