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Part Number:

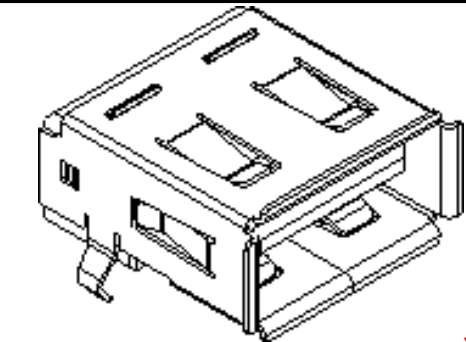
0676432911

Status:

Active

Description:

Universal Serial Bus (USB) Shielded I/O Receptacle, Right Angle, Type A, High-Temperature Black Nylon, 0.76µm (30µ") Gold (Au) Plating, PCB Thickness 1.60mm (.063"), without Upper Flange, for IR Reflow Process, Lead Free



Series
image - Reference only

Documents:

3D Model

Drawing (PDF)

Product Specification PS-67643-002 (PDF)

RoHS Certificate of Compliance (PDF)

General

Product Family	I/O Connectors
Series	67643
Application	Wire-to-Board
Comments	Without Upper Flange For IR Reflow Process
Component Type	Receptacle
Product Name	USB
Type	A

Physical

Circuits (Loaded)	4
Circuits (maximum)	4
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)	0.098 In
Pitch - Mating Interface (mm)	2.50 mm
Plating min: Mating (µin)	30
Plating min: Mating (µm)	0.76
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-40°C to +85°C
Termination Interface: Style	Through Hole

Electrical

Current - Maximum per Contact	1.5A
Shielded	Yes
Voltage - Maximum	30V

Material Info

Reference - Drawing Numbers

Product Specification	PS-67643-002
Sales Drawing	SD-67643-003

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

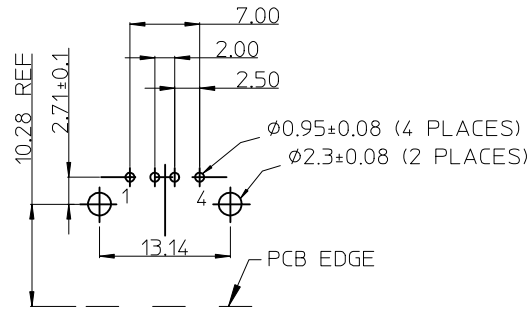
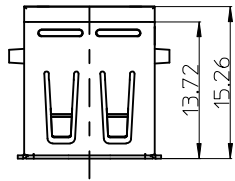
67643Series

Mates With

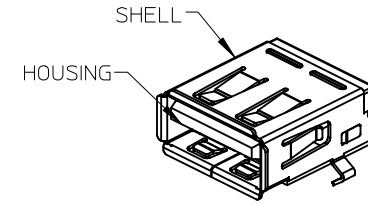
USB Type A Plug

This document was generated on 04/01/2010

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PCB LAYOUT (TOP VIEW)



NOTES:

1. MATERIAL:

- ① METAL SHELL: COPPER ALLOY.
- ② HOUSING: SEE CHART, 30% GLASS FIBER FILLED, UL94-V0.
- ③ TERMINAL: PHOSPHOR BRONZE

2. 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

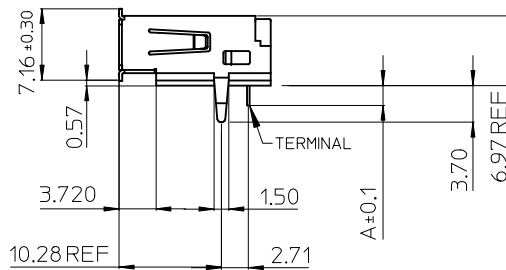
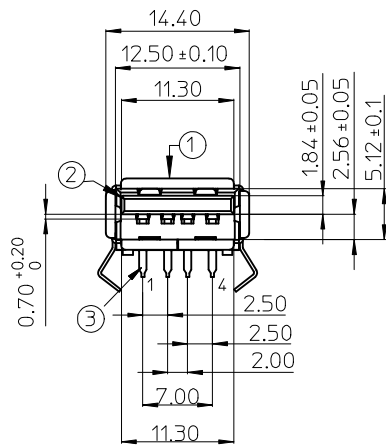
5. TORQUE FORCE SPEC: 2.50kg-cm Min, MEASURED AT BROKEN POINT.

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 COMPLIANT PRODUCT



REVISED	EC NO:	2009/08/28	DRWN:YPMU	CHKD:	APPR:	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION			
											MM ONLY		1:1	METRIC				
								▽=0 ▽=0		mm	INCH	DRAWN BY	DATE	TITLE USB A TYPE RCPT SINGLE RA THROUGH HOLE W/OFLG (LEAD-FREE VERSION)				
									4 PLACES	± ---	± ---	IVY-LIN	2005/03/31					
									3 PLACES	± ---	± ---	CHECKED BY	DATE					
									2 PLACES	± 0.25	± ---	ALL IN	2005/03/31					
									1 PLACE	± 0.25	± ---	APPROVED BY	DATE					
								ANGULAR ± 3 °			MWSCHANG		2005/03/31	molex MOLEX INCORPORATED				
								DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			MATERIAL NO.		DOCUMENT NO.					SHEET NO.
SEE SHEET2		SD-67643-003					1 OF 2											
SIZE A4	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																	

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P/N	HOUSING MATERIAL	COLOR	CONTACT PLATING	METAL SHELL PLATING	REMARK
67643-0910	POLYESTER	BLACK	GOLD FLASH	IR REFLOW PROCESS MATTE TIN PLATED AT SOLDER AREA THICKNESS=100 MICROINCH MINIMUM UNDER PLATE:NICKEL (Ni),(SOLDERING AVAILABLE)	NON IR
67643-1910	POLYESTER	WHITE			REFLOW PROCESS
67643-2910	HIGH TEMPERATURE NYLON	BLACK			FOR IR
67643-3910	HIGH TEMPERATURE NYLON	WHITE			REFLOW PROCESS
67643-0911	POLYESTER	BLACK	GOLD PLATING 30 MICROINCH	NON IR REFLOW PROCESS: MATTE TIN PLATED. THICKNESS=80 MICROINCH MINIMUM UNDER PLATE:NICKEL (Ni).	NON IR
67643-1911	POLYESTER	WHITE			REFLOW PROCESS
67643-2911	HIGH TEMPERATURE NYLON	BLACK			FOR IR
67643-3911	HIGH TEMPERATURE NYLON	WHITE			REFLOW PROCESS
PCB THICKNESS		1.60±0.05			
DIMENSION "A"		2.60			

P/N	HOUSING MATERIAL	COLOR	CONTACT PLATING	METAL SHELL PLATING	REMARK
67643-0930	HIGH TEMPERATURE NYLON	BLACK	GOLD FLASH	FOR IR REFLOW PROCESS MATTE TIN PLATED AT SOLDER AREA THICKNESS=100 MICROINCH MINIMUM UNDER PLATE:NICKEL (Ni),(SOLDERING AVAILABLE)	FOR IR REFLOW PROCESS
67643-1930	HIGH TEMPERATURE NYLON	WHITE			
67643-0931	HIGH TEMPERATURE NYLON	BLACK	GOLD PLATING		
67643-1931	HIGH TEMPERATURE NYLON	WHITE	30 MICROINCH		
PCB THICKNESS		1.20±0.05			
DIMENSION "A"		2.00			

REVISED EC NO: DRWN:YPU CHKD: APPR:	2009/08/28	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 Ⓒ=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	⊙ THIRD ANGLE PROJECTION	
					mm	INCH	DRAWN BY	DATE	TITLE			
				4 PLACES	± ---	± ---	IVY-LIN	2005/03/31	USB A TYPE RCPT SINGLE RA THROUGH HOLE W/OFLG (LEAD-FREE VERSION)			
				3 PLACES	± ---	± ---	CHECKED BY	DATE				
				2 PLACES	± 0.25	± ---	ALL IN	2005/03/31	MOLEX INCORPORATED			
				1 PLACE	± 0.25	± ---	APPROVED BY	DATE				
				ANGULAR ± 3 °			WWSCHANG	2005/03/31	SD-67643-003			
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			MATERIAL NO.					DOCUMENT NO.
										SEE TABLE		SD-67643-003
				SIZE A 4	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

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