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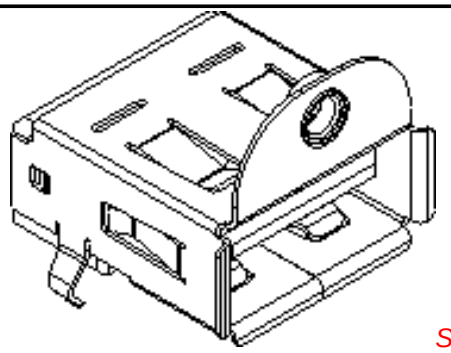
This document was generated on 03/31/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0676430980

Status: Active

Description: Universal Serial Bus (USB) Shielded I/O Receptacle, Right Angle, Type A, High-Temperature Black Nylon, Gold (Au) Flash Plating, PCB Thickness 1.20mm (.047"), with Upper Flange, for IR Reflow Process, 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|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)	0.079 In
PC Tail Length (mm)	2.00 mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness Recommended (in)	0.045 In
PCB Thickness Recommended (mm)	1.20 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
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Ports	1
Surface Mount Compatible (SMC)	Yes
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
Voltage - Maximum	30V DC

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
67643Series

Mates With
USB Type A Plug

Solder Process Data

Lead-free Process Capability	SMC & Wave Capable (TH only)
Process Temperature max. C	260

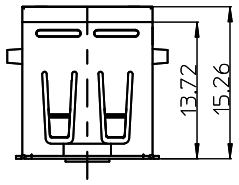
Material Info

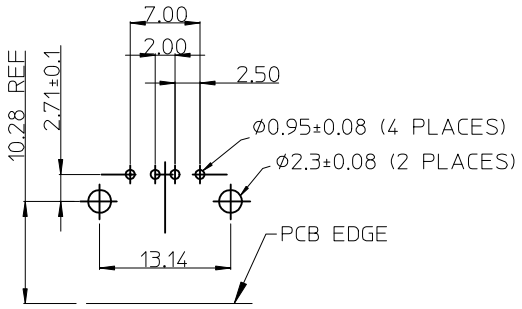
Reference - Drawing Numbers

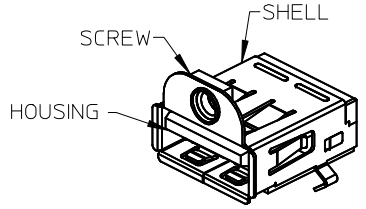
Product Specification	PS-67643-003
Sales Drawing	SD-67643-004

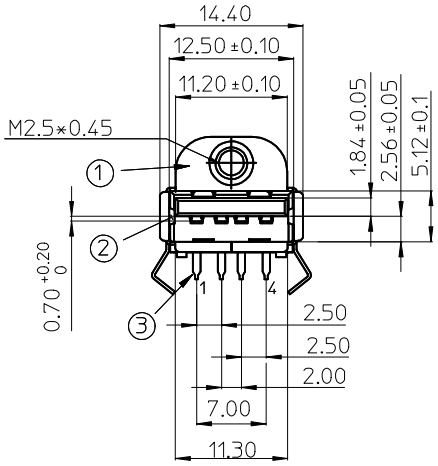
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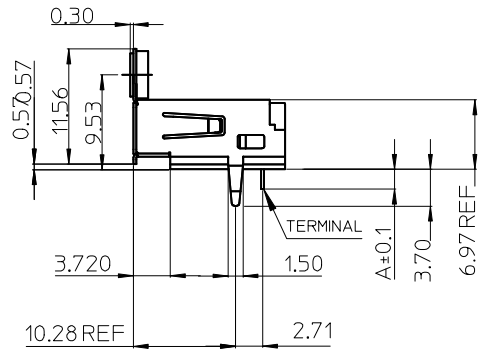








PCB LAYOUT (BOTTOM VIEW)



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. TORQE 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		DESCRIPTION	REV
EC NO:	2009/08/28		
DRWN:YPWU			
CH'KD:			
APPR:			
			D

QUALITY SYMBOLS
▼=0
Ⓒ=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

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

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE	MM ONLY
SCALE	1:1
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY	IVY-LIN
DATE	2005/04/01
CHECKED BY	ALLIN
DATE	2005/04/01
APPROVED BY	WWSCHANG
DATE	2005/04/01
MATERIAL NO.	SEE SHEET2
SIZE	A4

TITLE: USB A TYPE RCPT SGL RA THRHOLE WITH UPPER FLG (LEAD-FREE VERSION)

MOLEX INCORPORATED

DOCUMENT NO. SD-67643-004

SHEET NO. 1 OF 2

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

P/N	HOUSING MATERIAL	COLOR	CONTACT PLATING	METAL SHELL PLATING	REMARK
67643-0990	POLYESTER	BLACK	GOLD FLSAH	IR REFLOW PROCESS MATTE TIN PLATED AT SOLDER AREA THICKNESS=100 MICROINCH MINIMUM UNDER PLATE:NICKEL (Ni),(SOLDERING AVAILABLE) NON IR REFLOW PROCESS: MATTE TIN PLATED. THICKNESS=80 MICROINCH MINIMUM UNDER PLATE:NICKEL (Ni).	NON IR REFLOW PROCESS
67643-1990	POLYESTER	WHITE			FOR IR REFLOW PROCESS
67643-2990	HIGH TEMPERATURE NYLON	BLACK			NON IR REFLOW PROCESS
67643-3990	HIGH TEMPERATURE NYLON	WHITE			FOR IR REFLOW PROCESS
67643-0991	POLYESTER	BLACK	GOLD PLATING 30 MICROINCH		
67643-1991	POLYESTER	WHITE			
67643-2991	HIGH TEMPERATURE NYLON	BLACK			
67643-3991	HIGH TEMPERATURE NYLON	WHITE			
PCB THICKNESS		1.60±0.05			
DIMENSION "A"		2.60			

P/N	HOUSING MATERIAL	COLOR	CONTACT PLATING	METAL SHELL PLATING	REMARK
67643-0980	HIGH TEMPERATURE NYLON	BLACK	GOLD FLSAH	IR REFLOW PROCESS MATTE TIN PLATED AT SOLDER AREA THICKNESS=100 MICROINCH MINIMUM UNDER PLATE:NICKEL (Ni),(SOLDERING AVAILABLE)	FOR IR REFLOW PROCESS
67643-1980	HIGH TEMPERATURE NYLON	WHITE			
67643-0981	HIGH TEMPERATURE NYLON	BLACK	GOLD PLATING 30 MICROINCH		
67643-1981	HIGH TEMPERATURE NYLON	WHITE			
PCB THICKNESS		1.20±0.05			
DIMENSION "A"		2.00			

REVISED
EC NO: 2009/08/28
DRWN:YPWU
CH'KD:
APPR:
DESCRIPTION
D
REV

QUALITY SYMBOLS
▼=0
Ⓒ▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

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

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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

		DATE
DRAWN BY	IVY-LIN	2005/04/01
CHECKED BY	ALLIN	2005/04/01
APPROVED BY	WWSCHANG	2005/04/01

TITLE: USB A TYPE RCPT SGL RA THRHOLE WITH UPPER FLG (LEAD-FREE VERSION)

MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-67643-004
SHEET NO.: 2 OF 2
SIZE: A4

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