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Part Number:

0480372300

Status:

Active

Description:

Universal Serial Bus (USB) Shielded I/O Plug, Type A, Right Angle, Surface Mount, Straight Tab 4.80mm (.189"), 0.76µm (30µ") Gold (Au) Plating, with Dummy Cap, PCB Thickness 1.20mm (.047"), Tape on Reel Package, Lead Free, Halogen Free

Documents:

3D Model

Drawing (PDF)

Product Specification PS-48037-001 (PDF)

RoHS Certificate of Compliance (PDF)

General

Product Family	I/O Connectors
Series	48037
Application	Wire-to-Board
Component Type	Plug
Product Name	USB
Type	A

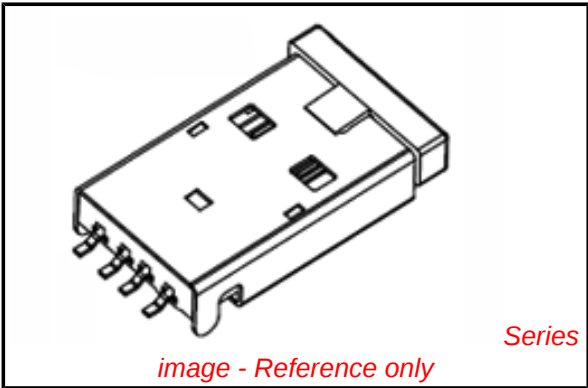
Physical

Boot Color	N/A
Circuits (Loaded)	4
Circuits (maximum)	4
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)	0.047 In
PCB Thickness Recommended (mm)	1.20 mm
Packaging Type	Embossed Tape on Reel
Panel Mount	Yes
Pitch - Mating Interface (in)	0.078 In, 0.098 In
Pitch - Mating Interface (mm)	2.00 mm, 2.50 mm
Pitch - Term. Interface (in)	0.078 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)	Yes
Temperature Range - Operating	-20°C to +85°C
Termination Interface: Style	Surface Mount
Waterproof / Dustproof	No

Electrical

Current - Maximum per Contact	1.5A
Shield Type	Full Shield
Shielded	Yes
Voltage - Maximum	150V AC (RMS)

Solder Process Data



EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Contains SVHC: No

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

48037Series

Mates With

USB Type A Receptacle

Duration at Max. Process Temperature (seconds)	10
Lead-free Process Capability	Reflow Capable (SMT only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	260

Material Info

Reference - Drawing Numbers

Packaging Specification	PK-48037-006
Product Specification	PS-48037-001
Sales Drawing	SD-48037-006
Test Summary	TS-48037-001

This document was generated on 06/01/2010

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E

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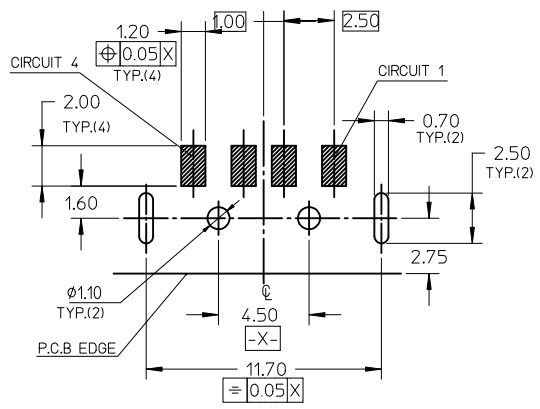
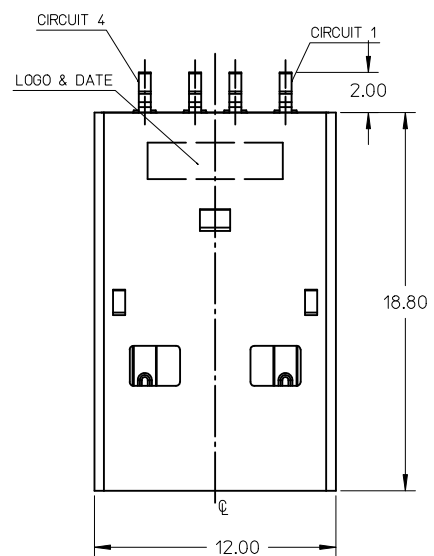
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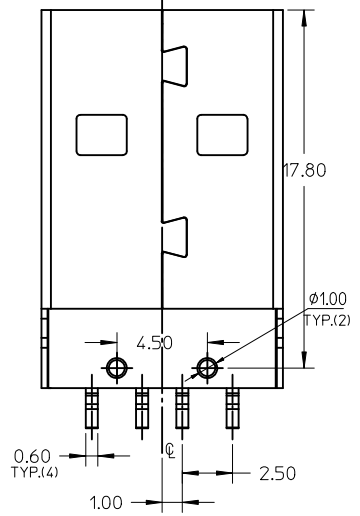
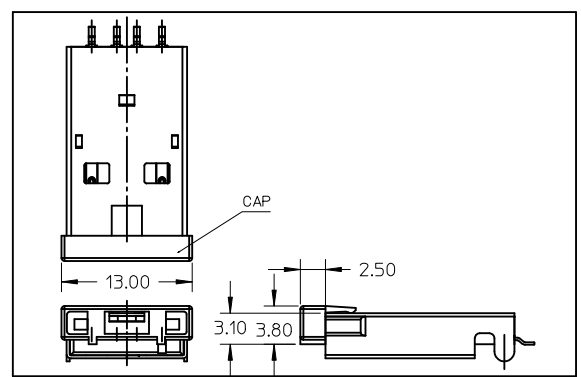
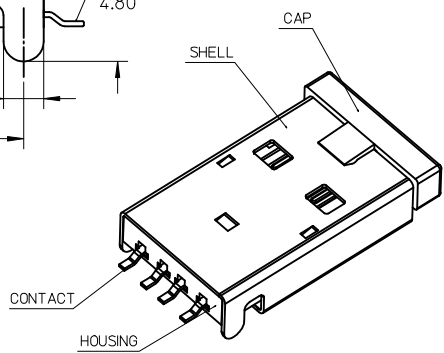
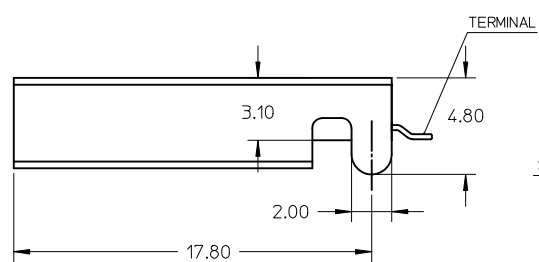
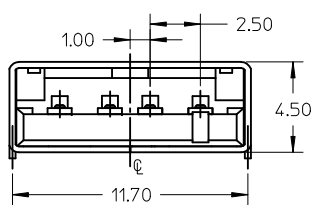
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NOTES:
1. MATERIAL:
HOUSING: THERMOPLASTIC, GLASS FIBER FILLED, HALOGEN FREE, UL94V-0, COLOR:BLACK.
CAP: THERMOPLASTIC, GLASS FIBER FILLED, HALOGEN FREE, UL94V-0, COLOR:BLACK.
CONTACT: BRASS
SHELL: SPCC
2. FINISH:
CONTACT:
SELECTIVE GOLD(Au) IN CONTACT AREA
THICKNESS=30 MICROINCH MINIMUM.
SELECTIVE TIN(Sn) ALLOY IN SOLDER TAIL AREA
THICKNESS=100 MICROINCH MINIMUM.
NICKEL(Ni) OVERALL
THICKNESS=30 MICROINCH MINIMUM.
METAL SHELL:
NICKEL(Ni) OVERALL
THICKNESS=50 MICROINCH MINIMUM.
UNDER PLATED: COPPER(Cu), OVERALL
THICKNESS=50 MICROINCH MINIMUM.
3. RECOMMENDED PCB THICKNESS: 1.20mm
4. PRODUCT SPECIFICATION REFERS TO PS-48037-001
5. PACKAGE SPECIFICATION: REFERS TO PK-48037-006
6. TEST SUMMARY REFERS TO TS-48037-001
7. DATE CODE:
X X X X X
YEAR WEEK DAY



RELEASE EC NO: SH2010-0216 DRWN:FVANG05 CHKD:HHE APPR:RZHANG REV A	DESCRIPTION 2009/12/09 2009/12/09 2009/12/10	QUALITY SYMBOLS F_A=0 F_B=0 F_C=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
				mm	INCH	DRAWN BY LHP LIU	DATE 2009/08/14	TITLE USB A TYPE PLUG R/A CONNECTOR(SMT) WITH DUMMY CAP MOLEX INCORPORATED		
			4 PLACES	± ---	± ---	CHECKED BY FRANKLY YANG	DATE 2009/08/14			
			3 PLACES	± ---	± ---	APPROVED BY ROST ZHANG	DATE 2009/08/14			
			2 PLACES	± 0.25	± ---	MATERIAL NO. 48037-2300	DOCUMENT NO. SD-48037-006			
			1 PLACE	± 0.25	± ---	SHEET NO. 1 OF 1				
	ANGULAR ± 3 °			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			