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Part Number:

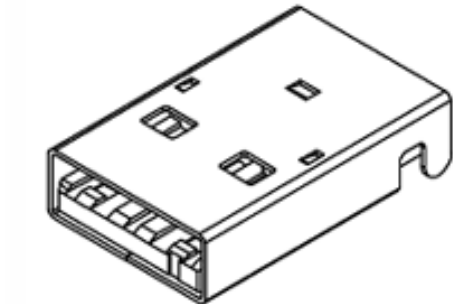
0480372100

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, PCB Thickness 1.60mm (.063"), Tape on Reel Package, Lead Free



Series

image - Reference only

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
Comments	Straight Tab 4.80mm (.189")
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)	0.063 In
PCB Thickness Recommended (mm)	1.60 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	1.5A
Shield Type	Full Shield
Shielded	Yes
Voltage - Maximum	150V AC (RMS)

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
48037Series

Mates With
USB Type A Receptacle

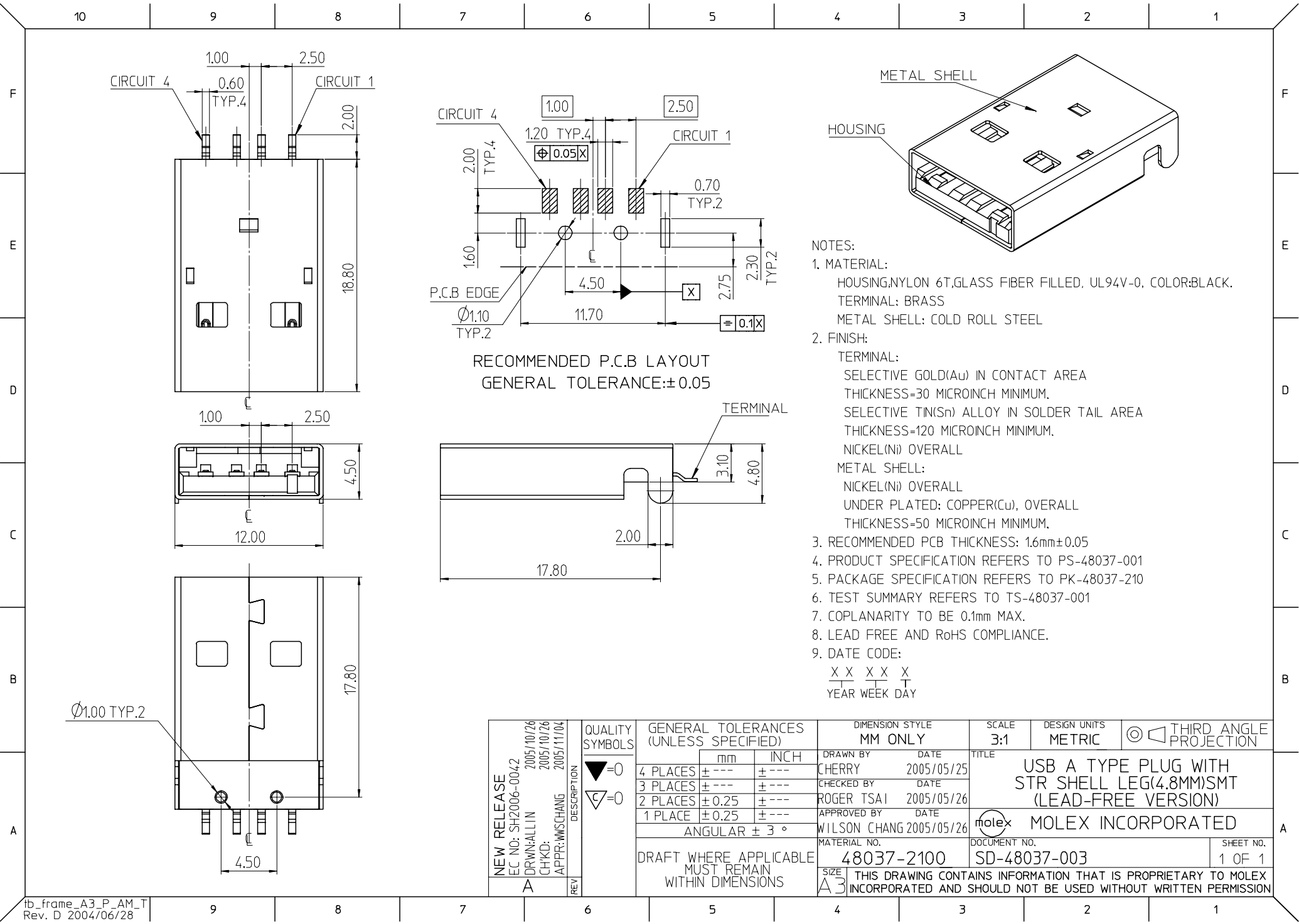
Material Info

Reference - Drawing Numbers

Product Specification	PS-48037-001
Sales Drawing	SD-48037-003

This document was generated on 02/02/2010

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NOTES:

1. MATERIAL:

HOUSING: NYLON 6T, GLASS FIBER FILLED, UL94V-0, COLOR: BLACK.

TERMINAL: BRASS

METAL SHELL: COLD ROLL STEEL

2. FINISH:

TERMINAL:

SELECTIVE GOLD(Au) IN CONTACT AREA

THICKNESS=30 MICROINCH MINIMUM.

SELECTIVE TIN(Sn) ALLOY IN SOLDER TAIL AREA

THICKNESS=120 MICROINCH MINIMUM.

NICKEL(Ni) OVERALL

METAL SHELL:

NICKEL(Ni) OVERALL

UNDER PLATED: COPPER(Cu), OVERALL

THICKNESS=50 MICROINCH MINIMUM.

3. RECOMMENDED PCB THICKNESS: 1.6mm±0.05

4. PRODUCT SPECIFICATION REFERS TO PS-48037-001

5. PACKAGE SPECIFICATION REFERS TO PK-48037-210

6. TEST SUMMARY REFERS TO TS-48037-001

7. COPLANARITY TO BE 0.1mm MAX.

8. LEAD FREE AND RoHS COMPLIANCE.

9. DATE CODE:

X X X X X
YEAR WEEK DAY

NEW RELEASE EC NO: SH2006-0042 DRWN:ALLIN CHKD: APPR:WWSCHANG A	DESCRIPTION 2005/10/26 2005/10/26 2005/11/04	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 3:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION 			
				mm	INCH	DRAWN BY CHERRY	DATE 2005/05/25	TITLE USB A TYPE PLUG WITH STR SHELL LEG(4.8MM)SMT (LEAD-FREE VERSION) MOLEX INCORPORATED				
			4 PLACES	± ---	± ---	CHECKED BY ROGER TSAI	DATE 2005/05/26					
			3 PLACES	± ---	± ---	APPROVED BY WILSON CHANG	DATE 2005/05/26					
			2 PLACES	± 0.25	± ---	MATERIAL NO. 48037-2100		DOCUMENT NO. SD-48037-003		SHEET NO. 1 OF 1		
			1 PLACE	± 0.25	± ---	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS						
			ANGULAR ± 3 °									
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION												