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Part Number:

0480371000

Status:

Active

Description:

Universal Serial Bus (USB) Shielded I/O Plug, Type A, Right Angle, Surface Mount, 0.76µm (30µ") Gold (Au) Plating, PCB Thickness 1.20mm (.047") to 1.60mm (.063"), Tray Package, Lead Free

Documents:

3D Model

Drawing (PDF)

Product Specification PS-48037-001 (PDF)

RoHS Certificate of Compliance (PDF)

General

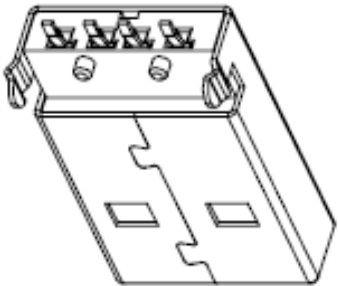
Product Family	I/O Connectors
Series	48037
Application	Wire-to-Board
Component Type	Plug
MolexKits	Yes
Product Name	USB
Type	A

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)	0.045 In, 0.062 In
PCB Thickness Recommended (mm)	1.20 mm, 1.60 mm
Packaging Type	Tray
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)



Series

image - Reference only

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

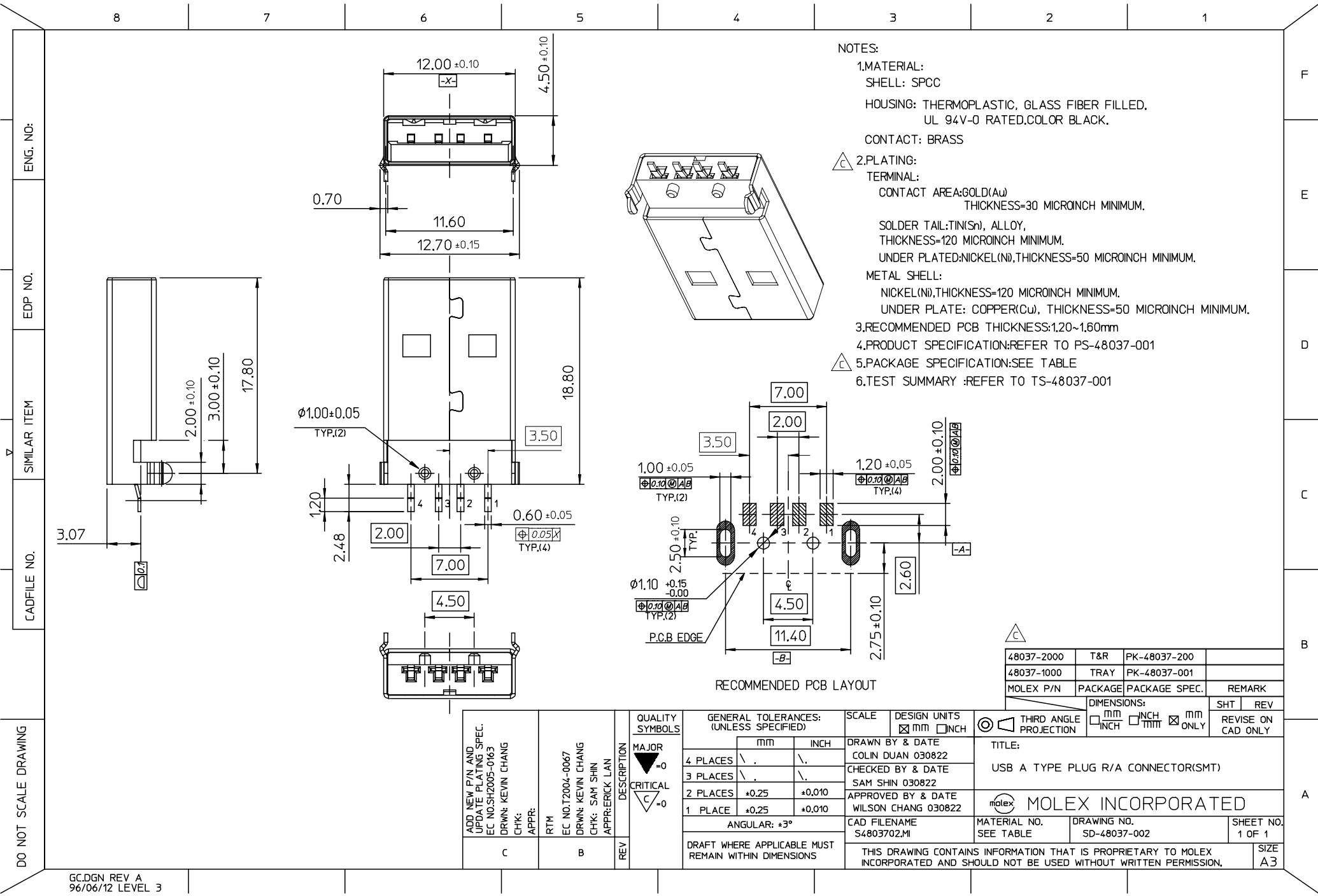
Material Info

Reference - Drawing Numbers

Packaging Specification	PK-48037-001
Product Specification	PS-48037-001
Sales Drawing	SD-48037-002
Test Summary	TS-48037-001

This document was generated on 06/07/2010

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- NOTES:
- 1.MATERIAL:
SHELL: SPCC
HOUSING: THERMOPLASTIC, GLASS FIBER FILLED,
UL 94V-0 RATED.COLOR BLACK.
CONTACT: BRASS
 - 2.PLATING:
TERMINAL:
CONTACT AREA:GOLD(Au)
THICKNESS=30 MICROINCH MINIMUM.
SOLDER TAIL:TIN(Sn), ALLOY,
THICKNESS=120 MICROINCH MINIMUM.
UNDER PLATED:NICKEL(Ni),THICKNESS=50 MICROINCH MINIMUM.
METAL SHELL:
NICKEL(Ni),THICKNESS=120 MICROINCH MINIMUM.
UNDER PLATE: COPPER(Cu), THICKNESS=50 MICROINCH MINIMUM.
 - 3.RECOMMENDED PCB THICKNESS:1.20~1.60mm
 - 4.PRODUCT SPECIFICATION:REFER TO PS-48037-001
 - 5.PACKAGE SPECIFICATION:SEE TABLE
 - 6.TEST SUMMARY :REFER TO TS-48037-001

48037-2000	T&R	PK-48037-200	
48037-1000	TRAY	PK-48037-001	
MOLEX P/N	PACKAGE	PACKAGE SPEC.	REMARK

 THIRD ANGLE PROJECTION		☐ mm INCH	☐ INCH mm	☒ mm ONLY	UNLESS NOTED OTHERWISE REVISE ON CAD ONLY
TITLE: USB A TYPE PLUG R/A CONNECTOR(SMT)					
 MOLEX INCORPORATED					
MATERIAL NO. SEE TABLE		DRAWING NO. SD-48037-002			SHEET NO. 1 OF 1
THIS INFORMATION THAT IS PROPRIETARY TO MOLEX SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.					SIZE A3

C	B	REV	DESCRIPTION	QUALITY SYMBOLS
				MAJOR MINOR CRITICAL
ADD NEW P/N AND UPDATE PLATING SPEC. EC NO.SH2005-0163 DRWN: KEVIN CHANG CHK: KEVIN CHANG APPR:	RTM EC NO.T2004-0067 DRWN: KEVIN CHANG CHK: SAM SHIN APPR:ERICK LAN			

SCALE		DESIGN UNITS	
DRAWN BY & DATE		CHECKED BY & DATE	
COLIN DUAN 030822		SAM SHIN 030822	
APPROVED BY & DATE		WILSON CHANG 030822	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			

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DO NOT SCALE DRAWING