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Part Number: **0476420001**
Status: **Active**
Overview: micro_usb
Description: 0.65mm (.026") Pitch Micro-USB B Receptacle, Mid-Mount, SMT, with Through Hole Solder Tab, Gold (Au) Flash Plating, without Mylar, Lead Free

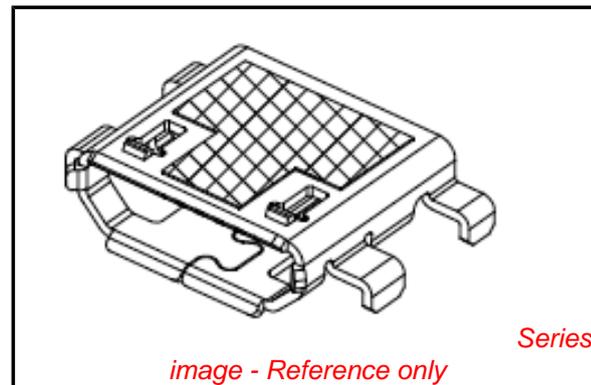
Documents:

[3D Model](#) [Product Specification PS-47642-001 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family	I/O Connectors
Series	<u>47642</u>
Application	Wire-to-Board
Comments	Mid Mount Type
Component Type	Receptacle
Overview	<u>micro_usb</u>
Product Name	Micro-USB
Type	B
Physical	
Boot Color	N/A
Circuits (Loaded)	5
Circuits (maximum)	5
Color - Resin	Black
Gender	Male
Keying to Mating Part	Yes
Lock to Mating Part	Yes
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Gold
Material - Resin	High Temperature Thermoplastic
Number of Rows	1
Orientation	Right Angle
PCB Locator	No
PCB Retention	Yes
Packaging Type	Embossed Tape on Reel
Panel Mount	No
Pitch - Mating Interface (in)	0.026 In
Pitch - Mating Interface (mm)	0.65 mm
Pitch - Term. Interface (in)	0.026 In
Pitch - Term. Interface (mm)	0.65 mm
Plating min: Mating (µin)	2
Plating min: Mating (µm)	0.05
Plating min: Termination (µin)	2
Plating min: Termination (µm)	0.05
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
Wire Size AWG	N/A

Electrical



EU RoHS

**ELV and RoHS
Compliant**
**REACH SVHC
Contains SVHC: No**
**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

[47642Series](#)

Mates With

[68784](#) Micro-USB Cable Plugs

Current - Maximum per Contact	1.8A, 1A
Grounding to Panel	Yes
Shield Type	Full Shield
Shielded	Yes
Voltage - Maximum	100V AC (RMS)

Solder Process Data

Duration at Max. Process Temperature (seconds)	2
Lead-free Process Capability	Reflow Capable (SMT only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	255

Material Info

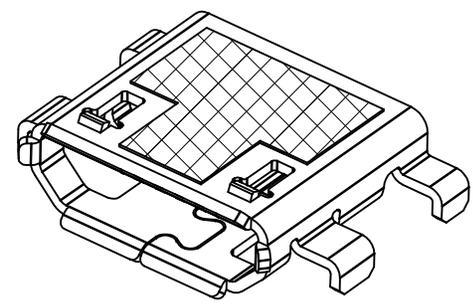
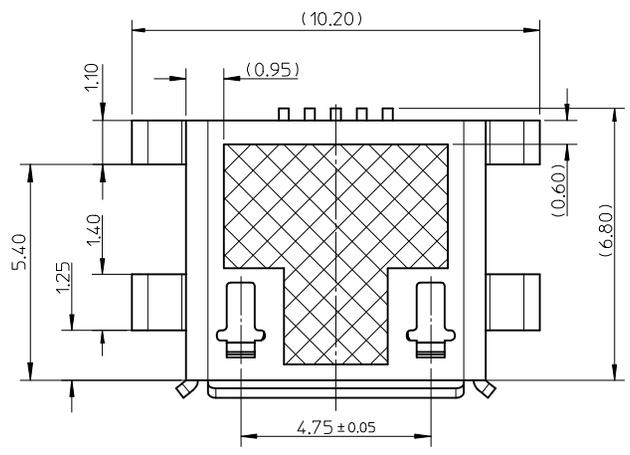
Reference - Drawing Numbers

Packaging Specification	PK-47642-001
Product Specification	PS-47642-001
Sales Drawing	SD-47642-001

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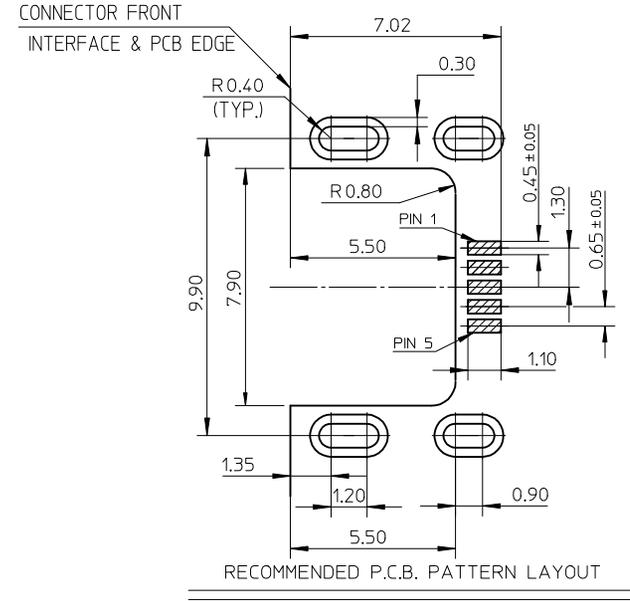
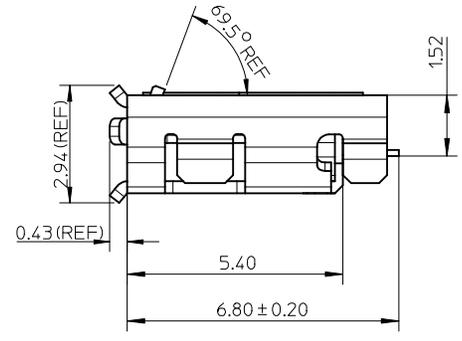
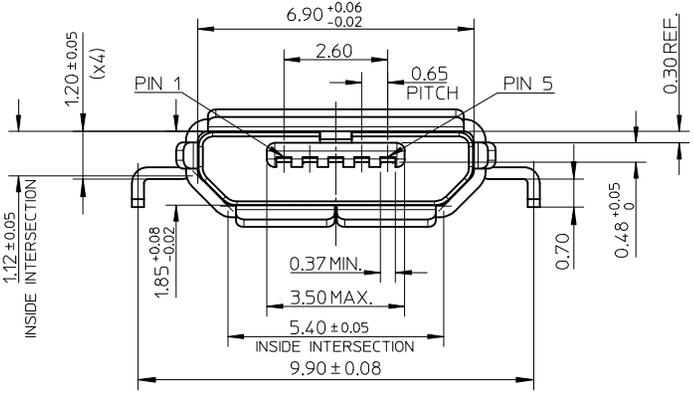
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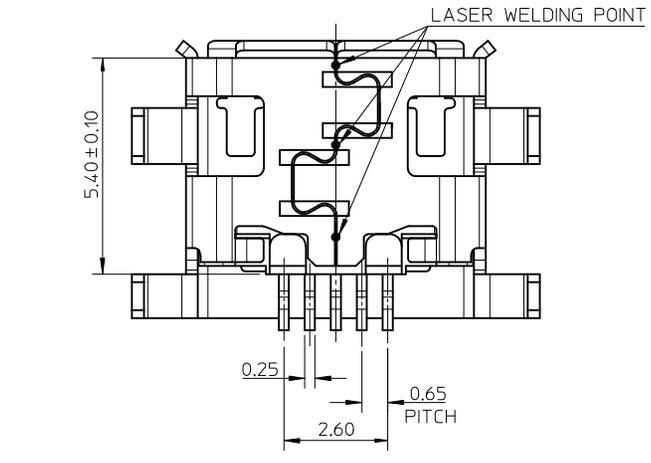
NOTE :

- MATERIAL :
HOUSING : LCP, BLACK, UL94V-0
TERMINAL : COPPER ALLOY THICKNESS = 0.15 MM
SHIELD CASE : STAINLESS STEEL THICKNESS = 0.30 MM
- PLATING :
TERMINAL:
CONTACT AREA : GOLD FLASH OVER 0.75 MICRON MINIMUM Pb/Ni.
SOLDER TAIL AREA : GOLD FLASH.
UNDER PLATING : NICKEL 2.0 MICRON MINIMUM.
SHIELD :
MATTE TIN 2.0 MICRON MINIMUM.
UNDER PLATING : NICKEL 1.27 MICRON MINIMUM.
- TAIL & NAIL COPLANARITY 0.08 mm MAXIMUM.
- PRODUCT SPEC.: PS-47642-001, PACKAGE SPEC.: PK-47642-001
- PRODUCT COMPLIANT TO RoHS DIRECTIVE 2002/95/EC AND ELV DIRECTIVE 2000/53/EC

D



C



PART NUMBER	MYLAR
47642-0001	WHITHOUT
47642-0011	WITH

B

A

NEW RELEASE EC NO: SH2009-0195 DRWNL:SONG 2008/10/07 CHKD:XJSONG 2008/10/08 APPR:HWANG 2008/10/30	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
		mm	INCH	MM ONLY	8:1	METRIC	THIRD ANGLE PROJECTION	
		4 PLACES ± --- ± ---	3 PLACES ± --- ± ---	DRAWN BY	DATE	TITLE		
		2 PLACES ± 0.25 ± ---	1 PLACE ± 0.25 ± ---	XJSONG	2008/01/04	MICRO USB B REC. MID MOUNT THROUGH HOLE ASS'Y		
ANGULAR ± 3 °		CHECKED BY	DATE	MOLEX INCORPORATED				
		JTIAN	2008/01/04	DOCUMENT NO. SD-47642-001				
		APPROVED BY	DATE	SHEET NO. 1 OF 1				
		HWANG	2008/01/04	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
		MATERIAL NO.						
		SEE CHART						

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<http://moschip.ru/get-element>

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Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

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