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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

Drawing (PDF)

Product Specification PS-47642-001 (PDF)

RoHS Certificate of Compliance (PDF)

General

Product Family

Series

Application

Comments

Component Type

Overview

Product Name

Type

I/O Connectors

47642

Wire-to-Board

Mid Mount Type

Receptacle

micro_usb

Micro-USB

B

Physical

Boot Color

Circuits (Loaded)

Circuits (maximum)

Color - Resin

Gender

Keying to Mating Part

Lock to Mating Part

Material - Metal

Material - Plating Mating

Material - Plating Termination

Material - Resin

Number of Rows

Orientation

PCB Locator

PCB Retention

Packaging Type

Panel Mount

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Pitch - Term. Interface (in)

Pitch - Term. Interface (mm)

Plating min: Mating (µin)

Plating min: Mating (µm)

Plating min: Termination (µin)

Plating min: Termination (µm)

Polarized to Mating Part

Polarized to PCB

Ports

Surface Mount Compatible (SMC)

Temperature Range - Operating

Termination Interface: Style

Waterproof / Dustproof

Wire Size AWG

N/A

5

5

Black

Male

Yes

Yes

Copper Alloy

Gold

Gold

High Temperature Thermoplastic

1

Right Angle

No

Yes

Embossed Tape on Reel

No

0.026 In

0.65 mm

0.026 In

0.65 mm

2

0.05

2

0.05

Yes

Yes

1

Yes

-20°C to +85°C

Surface Mount

No

N/A

Electrical

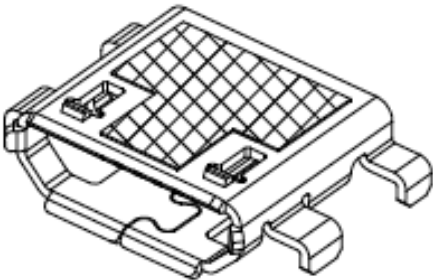


image - Reference only

Series

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

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

This document was generated on 05/19/2010

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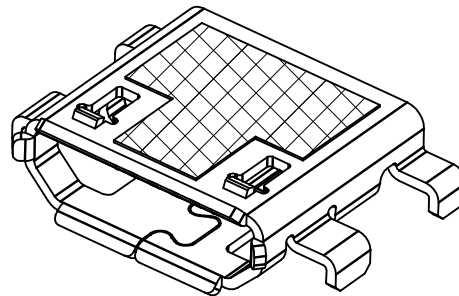
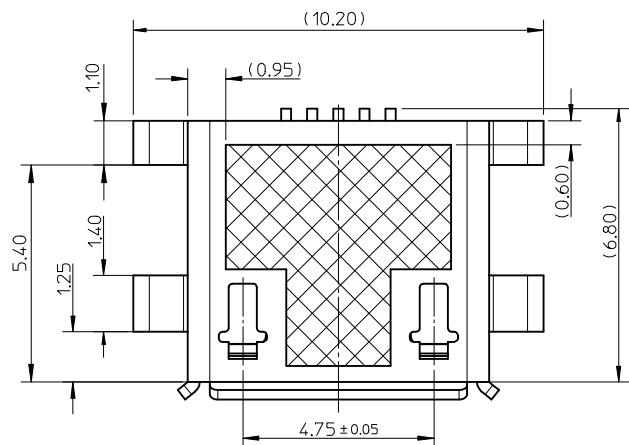
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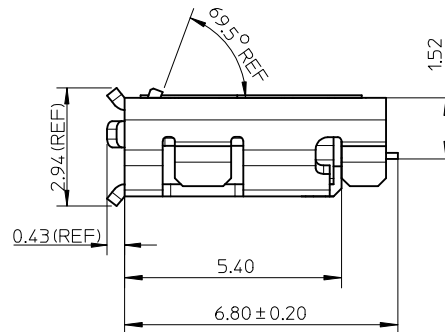
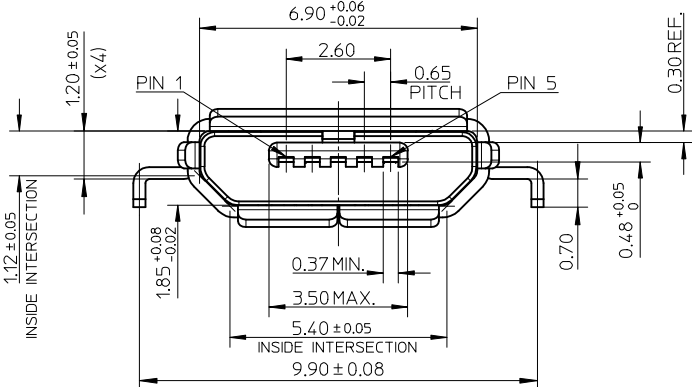
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B

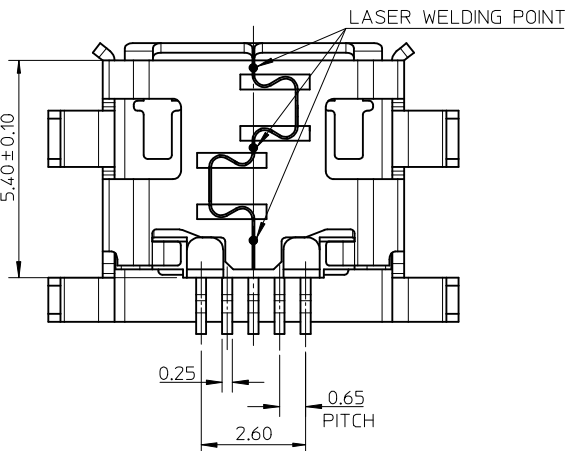
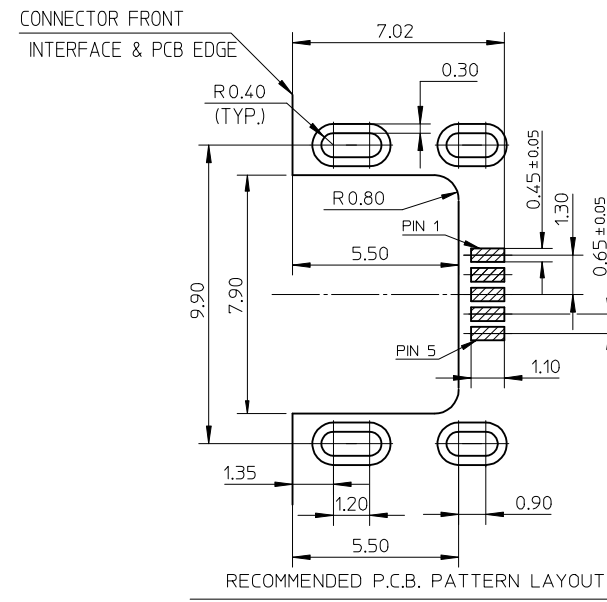
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- NOTE :
- MATERIAL :
HOUSING : LCP,BLACK,UL94V-0
TERMINAL : COPPER ALLOY THICKNESS = 0.15 MM
SHIELD CASE : STAINLESS STEEL THICKNESS = 0.30 MM
 - PLATING :
TERMINAL:
CONTACT AREA : GOLD FLASH OVER 0.75 MICRON MINIMUM Pb/Ni.
SOLDER TAIL AREA : GOLD 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



PART NUMBER	MYLAR
47642-0001	WHITHOUT
47642-0011	WITH



NEW RELEASE EC NO: SH2009-0195 DRWNL:SONG09 CHKD:XJSONG APPR:HWANG	2008/10/07 2008/10/08 2008/10/30	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 8:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
						DRAWN BY DATE XJSONG 2008/01/04		TITLE MICRO USB B REC. MID MOUNT THROUGH HOLE ASS'Y			
						CHECKED BY DATE JTIAN 2008/01/04					
						APPROVED BY DATE HWANG 2008/01/04		 MOLEX INCORPORATED			
						MATERIAL NO.					DOCUMENT NO. SD-47642-001
						SEE CHART					
						SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS									

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