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Part Number:

0475900001

Status:

Active

Overview:

micro_usb

Description:

0.65mm (.026") Pitch Micro-USB AB Receptacle, Right Angle, Top Mount, SMT, Lead Free

Documents:

3D Model

Drawing (PDF)

Product Specification PS-47589-001 (PDF)

RoHS Certificate of Compliance (PDF)

General

Product Family

Series

Application

Comments

Component Type

Overview

Product Name

Type

I/O Connectors

47590

Wire-to-Board

Top Mount Type

Receptacle

micro_usb

Micro-USB

AB

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

N/A

5

5

Black

Male

Yes

Yes

Copper Alloy

Gold

Gold

High Temperature Thermoplastic

1

Right Angle

Yes

Yes

Embossed Tape on Reel

No

0.026 In

0.65 mm

0.026 In

0.65 mm

43

0.11

2

0.05

Yes

Yes

1

Yes

-20°C to +85°C

Surface Mount

No

Electrical

Current - Maximum per Contact

1.8A, 1A



Series
image - Reference only

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Reviewed



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

47590Series

Mates With

47516 Micro-USB Plug

Grounding to Panel	Yes
Shield Type	Full Shield
Shielded	Yes
Voltage - Maximum	100V AC (RMS)

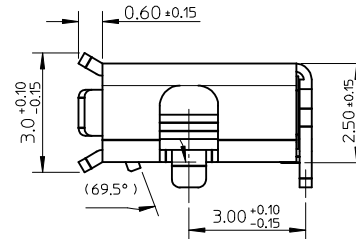
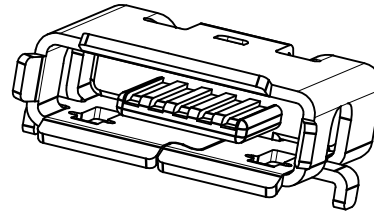
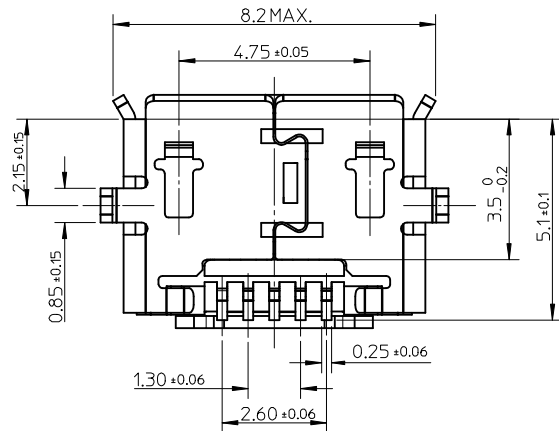
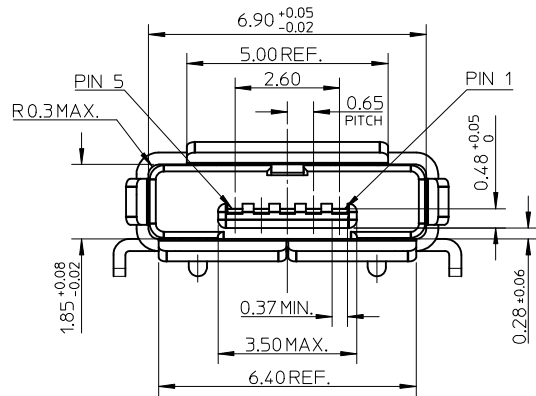
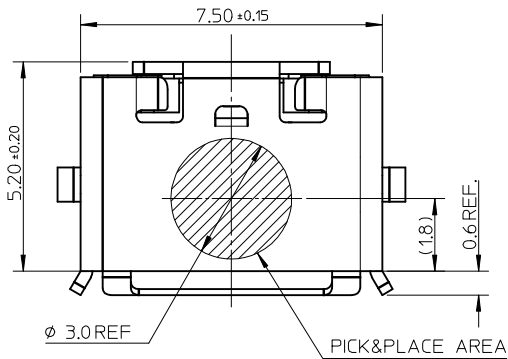
Material Info

Reference - Drawing Numbers

Packaging Specification	PK-47589-001
Product Specification	PS-47589-001
Sales Drawing	SD-47590-001

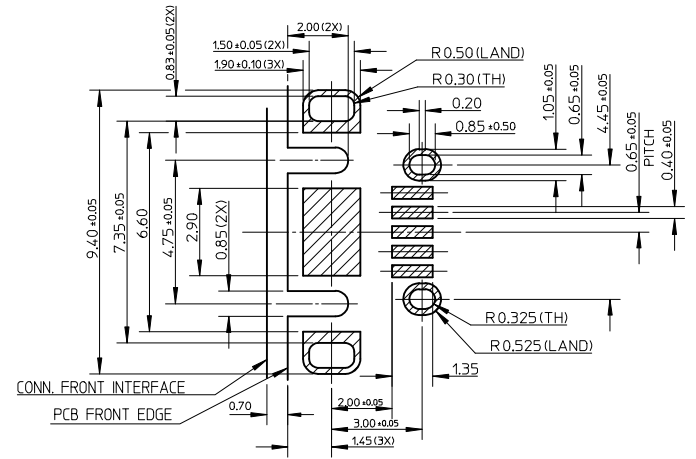
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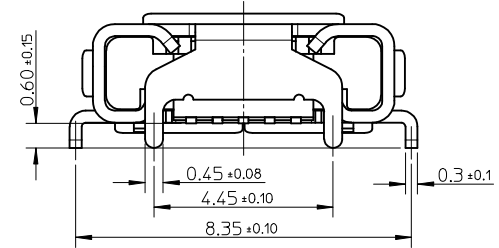


NOTE :

- 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 (0.11 MICRON MIN.) OVER MINIMUM 0.75 MICRON Pd/Ni.
SOLDER TAIL AREA : GOLD FLASH (0.05 MICRON MIN.).
UNDER PLATING : NICKEL 2.0 MICROMN MINIMUM.
SHIELD : MATTE TIN 1.27 MICRON MINIMUM.
UNDER PLATING : NICKEL 1.27 MICRON MINIMUM.
- TAIL COPLANARITY 0.08 MM MAXIMUM.
- COMPLIANT TO RoHS DIRECTIVE 2002/95/EC AND ELV IDRECTIVE 2000/53/EC.



RECOMMENDED P.C.B. PATTERN LAYOUT



REVISE EC NO: SH2010-0060 DRWN:X:JONG CHKD:X:JONG APPR:RZHANG B1	DESCRIPTION	QUALITY SYMBOLS ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
				mm	INCH	DRAWN BY X:JONG	DATE 2007/03/15	TITLE MICRO USB AB REC. TOP MOUNT ASS'Y	MOLEX MOLEX INCORPORATED	SHEET NO. 1 OF 1	
			4 PLACES	± ---	± ---	CHECKED BY	DATE				
			3 PLACES	± ---	± ---	JTIAN	2007/03/15				
			2 PLACES	± 0.15	± ---	APPROVED BY	DATE	MOLEX MOLEX INCORPORATED	SHEET NO. 1 OF 1		
			1 PLACE	± 0.25	± ---	JNCHEN	2007/03/15				
			ANGULAR ± 3 °			MATERIAL NO.	DOCUMENT NO.				
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			47590-0001		SD-47590-001			
						SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				