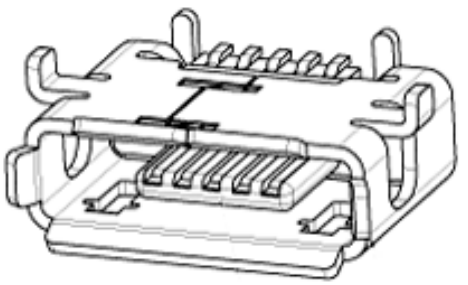
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PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0475890001
Status: Active
Overview: micro_usb
Description: 0.65mm (.026") Pitch Micro-USB AB Receptacle, Right Angle, Bottom Mount, SMT, Lead Free



Series image - Reference only

Documents:

3D Model
Drawing (PDF)
Product Specification PS-47589-001 (PDF)
RoHS Certificate of Compliance (PDF)

General

Product Family	I/O Connectors
Series	47589
Application	Wire-to-Board
Comments	Bottom Mount Type
Component Type	Receptacle
Overview	micro_usb
Product Name	Micro-USB
Type	AB

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	Yes
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)	43
Plating min: Mating (µm)	0.11
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

Electrical

Current - Maximum per Contact	1.8A, 1A

EU RoHS
ELV and RoHS Compliant
REACH SVHC
Not Reviewed
Halogen-Free Status
Not Reviewed

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
47589Series

Mates With
47516 Micro-USB Plug

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

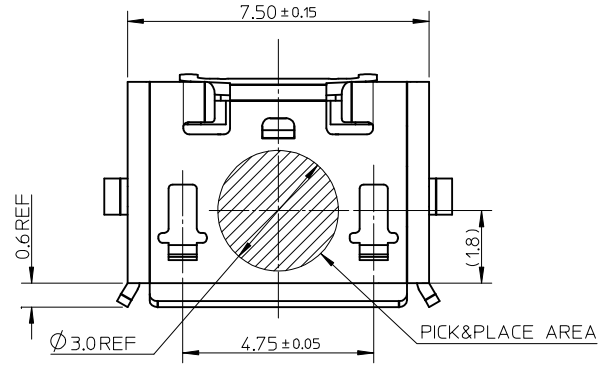
Material Info

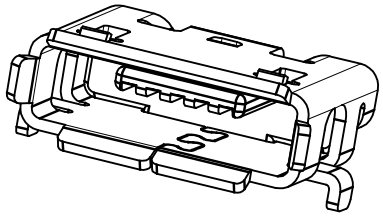
Reference - Drawing Numbers

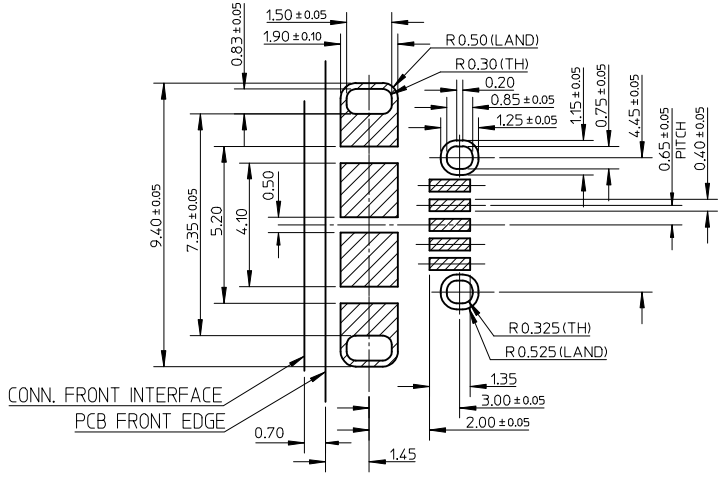
Packaging Specification	PK-47589-001
Product Specification	PS-47589-001
Sales Drawing	SD-47589-001

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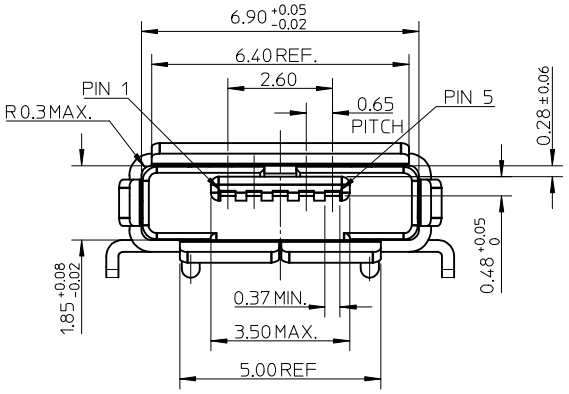
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

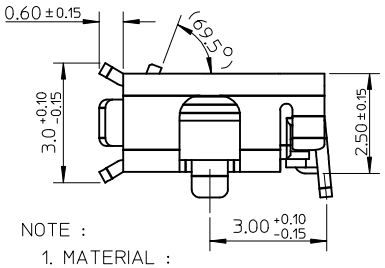


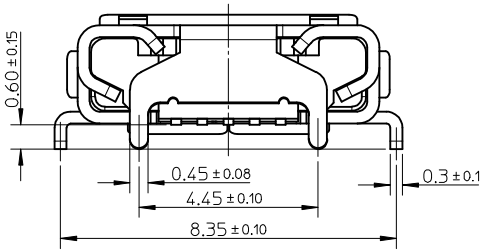


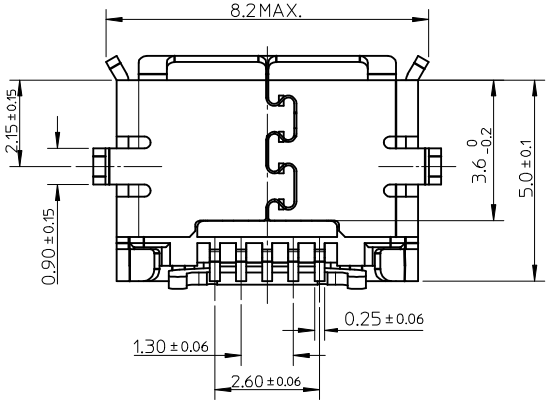


RECOMMENDED P.C.B. PATTERN LAYOUT









NOTE :

1. MATERIAL :
   HOUSING : LCP,BLACK,UL94V-0
   TERMINAL : COPPER ALLOY THICKNESS = 0.15 MM
   SHIELD CASE : STAINLESS STEEL THICKNESS = 0.30 MM
2. 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.
3. TAIL COPLANARITY 0.08 MM MAXIMUM.
4. PRODUCT SPEC. : PS-47589-001, PACKING SEPC. : PK-47589-001
5. COMPLIANT TO RoHS DIRECTIVE 2002/95/EC AND ELV DIRECTIVE 2000/53/EC.

REVISE
EC NO: SH2009-0126 2008/08/28
DRWN:CWTANG 2008/09/05
CH'KD:XJSONG 2008/09/22
APPR:HWANG
DESCRIPTION
D
REV

QUALITY SYMBOLS
▼=0
Ⓒ=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.15	± ---
1 PLACE	± 0.25	± ---
ANGULAR ± 3 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 1:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: XJSONG DATE: 2007/03/06
CHECKED BY: JTIAN DATE: 2007/03/06
APPROVED BY: JNCHEN DATE: 2007/03/06

TITLE: MICRO USB AB REC. BOTTOM MOUNT ASS'Y

MOLEX INCORPORATED

MATERIAL NO.: 47589-0001
DOCUMENT NO.: SD-47589-001
SHEET NO.: 1 OF 1
SIZE: A3

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