

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

1050170001

Status:

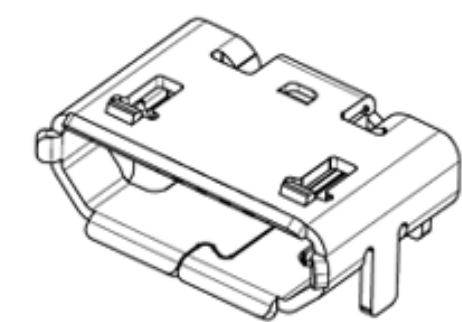
Active

Overview:

micro_usb

Description:

0.65mm (.026") Pitch Micro-USB B Receptacle, Right Angle, Bottom Mount, SMT, with Solder Tabs, Lead Free



Series

image - Reference only

Documents:

- [3D Model](#)
- [Drawing \(PDF\)](#)
- [Product Specification PS-105017-001 \(PDF\)](#)
- [RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family	I/O Connectors
Series	105017
Application	Wire-to-Board
Comments	Bottom Mount Type
Component Type	Receptacle
Overview	micro_usb
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
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
Grounding to Panel	Yes
Shield Type	Full Shield
Shielded	Yes
Voltage - Maximum	100V AC (RMS)

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
105017Series

Mates With
68784 Micro-USB Cable Plugs

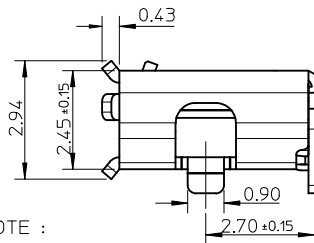
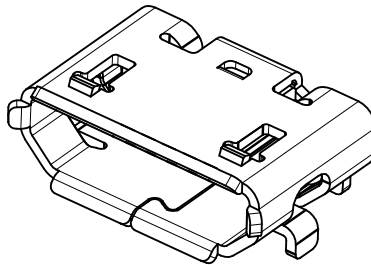
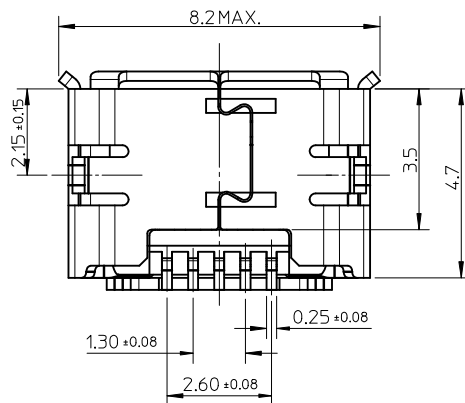
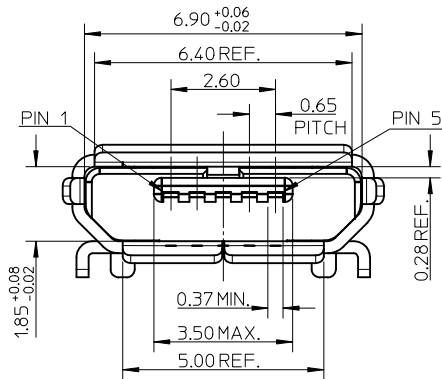
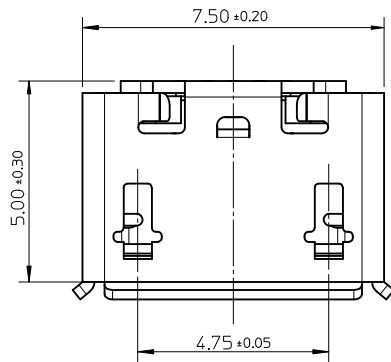
Material Info

Reference - Drawing Numbers

Packaging Specification	PK-105017-001
Product Specification	PS-105017-001
Sales Drawing	SD-105017-001

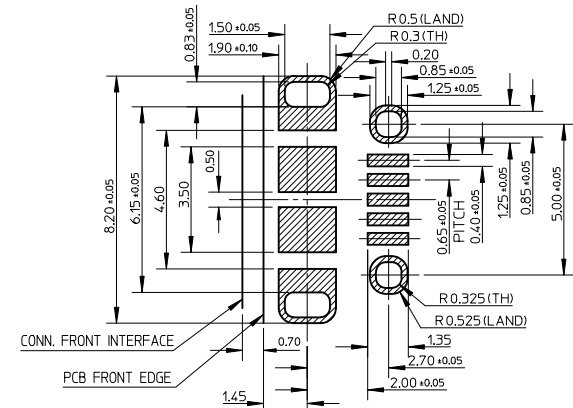
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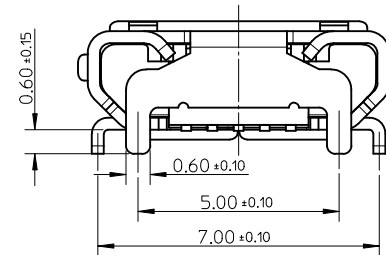


NOTE :

- 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 OVER MINIMUM 0.75MICRON Pd/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-105017-001, PACKAGE SPEC.: PK-105017-001
- COMPLIANT TO RoHS DIRECTIVE 2002/95/EC AND ELV DIRECTIVE 2000/53/EC.



RECOMMENDED P.C.B. PATTERN LAYOUT



PROPOSAL EC NO: SH2010-0257 DRWN:XJSONG CHKD:XJSONG APPR:RZHANG A1	2009/12/14	2009/12/15	2009/12/23	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
						mm	INCH	DRAWN BY XJSONG	DATE 2008/01/23	TITLE MICRO USB B REC. BOTTOM MOUNT WITH THROUGH HOLE TYPE MOLEX INCORPORATED				
	4 PLACES	± ---	± ---			CHECKED BY JTIAN	DATE 2008/01/23							
	3 PLACES	± ---	± ---			APPROVED BY HWWANG	DATE 2008/01/23							
	2 PLACES	± 0.25	± ---			MATERIAL NO. 105017-0001	DOCUMENT NO. SD-105017-001	SHEET NO. 1 OF 1						
	1 PLACE	± 0.25	± ---			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS								
	ANGULAR ± 3 °													