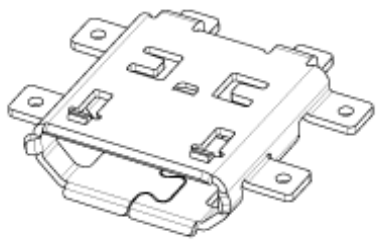
This document was generated on 05/19/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0474910002
Status: Active
Overview: micro_usb
Description: 0.65mm (.026") Pitch Micro-USB B Receptacle, Mid-Mount, SMT, Nickel Plated Shell, Lead Free



Series image - Reference only

Documents:
3D Model
Drawing (PDF)
RoHS Certificate of Compliance (PDF)

General

Product Family	I/O Connectors
Series	47491
Application	Wire-to-Board
Comments	Mid 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
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

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
47491Series

Mates With
68784 Micro-USB Cable Plugs

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

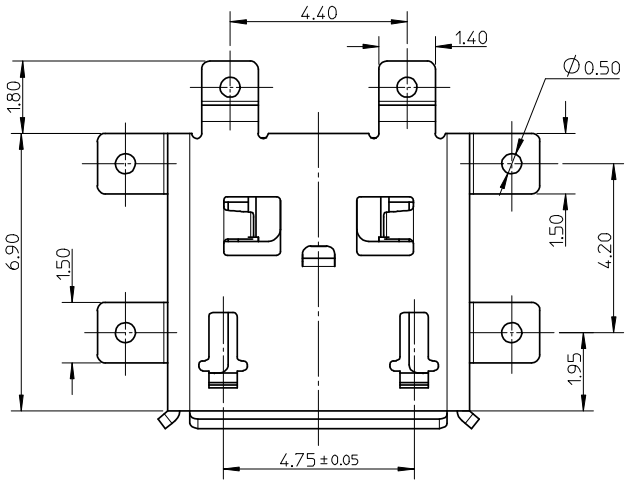
Material Info

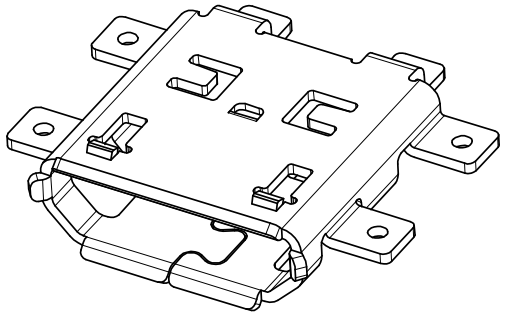
Reference - Drawing Numbers

Packaging Specification	PK-47491-001
Sales Drawing	SD-47491-001

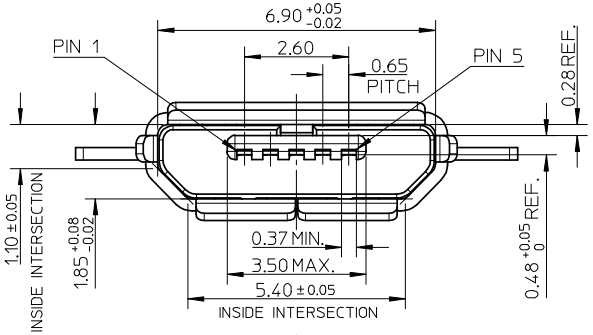
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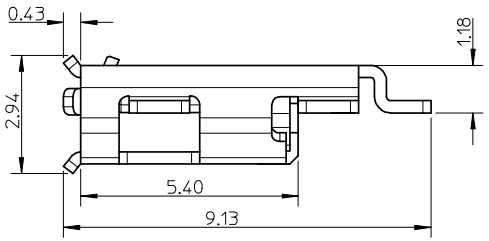
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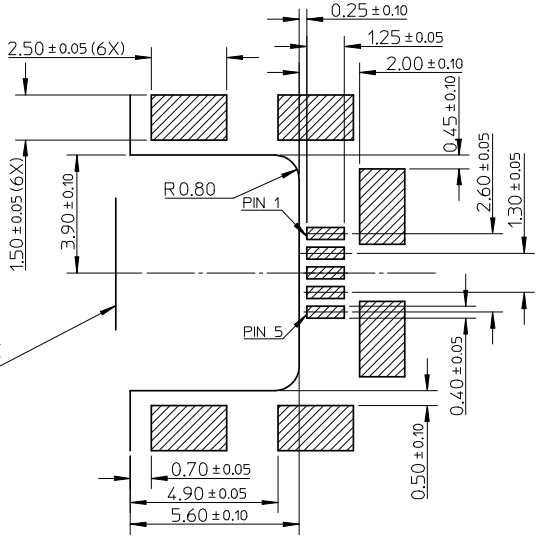




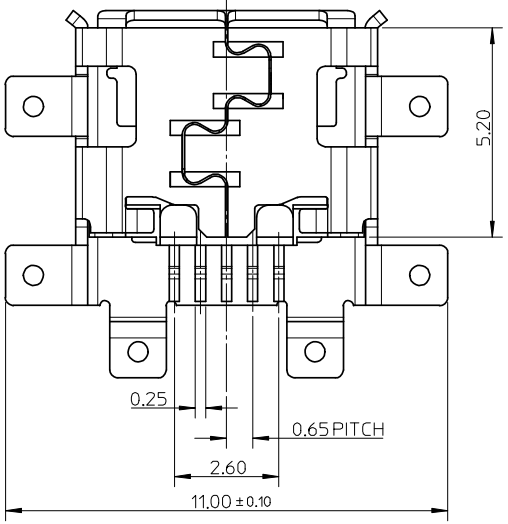
NOTE :
1. MATERIAL :
   HOUSING : LCP, BLACK, UL94V-0
   TERMINAL : COPPER ALLOY THICKNESS = 0.15 MM
   SHIELD CASE : STAINLESS STEEL THICKNESS = 0.30 MM
2. PLATING :
   TERMINAL:
   CONTACT AREA : GOLD FLASH OVER MINIMUM 0.75 MICRON Pd/Ni.
   SOLDER TAIL AREA : GOLD FLASH.
   UNDER PLATING : NICKEL 2.0 MICRON MINIMUM.
   SHIELD :
   OPTION 1 : MATTE TIN 3.8 MICRON MINIMUM.
   UNDER PLATING : NICKEL 1.27 MICRON MINIMUM.
   OPTION 2 : NICKEL 1.25 MICRON MINIMUM
3. TAIL & NAIL COPLANARITY 0.08 mm MAXIMUM.
4. PACKAGING SPECFICATION : PK-47491-001
5. PRODUCT SPECFICATION : RPS-47491-***
6. COMPLIANT TO RoHS DIRECTIVE 2002/95/EC AND ELV DIRECTIVE 2000/53/EC.







RECOMMENDED P.C.B. PATTERN LAYOUT



SHELL PLATING OPTION 1	47491-0001
SHELL PLATING OPTION 2	47491-0002

REVISE
EC NO: SH2008-0650 2008/06/30
DRWN:CWTANG 2008/06/30
CH'KD:XJSONG 2008/07/24
APPR:HWWANG
DESCRIPTION
REV D

QUALITY SYMBOLS
▼=0
Ⓒ=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

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

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE	MM ONLY
SCALE	8:1
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY / DATE	XJSONG 2006/04/28
CHECKED BY / DATE	IWANG 2006/04/28
APPROVED BY / DATE	JNCHEN 2006/04/28
MATERIAL NO.	SEE CHART
TITLE	MICRO USB B REC. MIDDLE MOUNT ASS'Y
	MOLEX INCORPORATED
DOCUMENT NO.	SD-47491-001
SHEET NO.	1 OF 1
SIZE	A3

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