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Part Number: [0474910001](#)
Status: **Active**
Overview: [micro_usb](#)
Description: 0.65mm (.026") Pitch Micro-USB B Receptacle, Mid-Mount, SMT, Matte Tin Plated Shell, Lead Free

Documents:

[3D Model](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Drawing \(PDF\)](#)

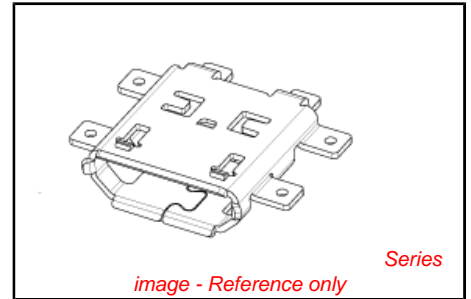
General

Product Family	I/O Connectors
Series	47491
Application	Wire-to-Board
Comments	Mid Mount Type
Component Type	Receptacle
MolexKits	Yes
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



<p>EU RoHS ELV and RoHS Compliant REACH SVHC Contains SVHC: No Halogen-Free Status Halogen-Free</p>	<p>China RoHS</p>
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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](#)

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)	20
Lead-free Process Capability	Reflow Capable (SMT only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	245

Material Info

Reference - Drawing Numbers

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

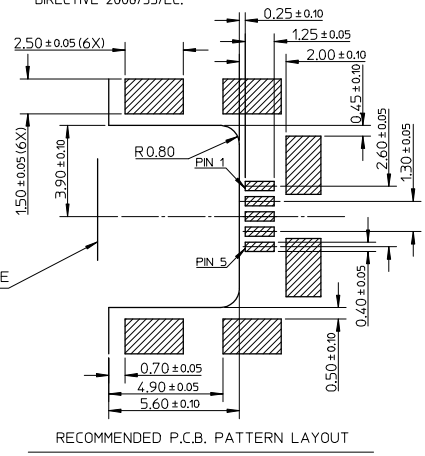
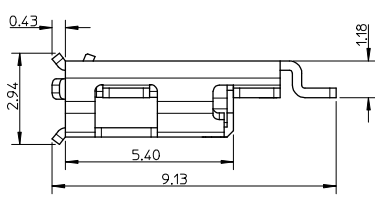
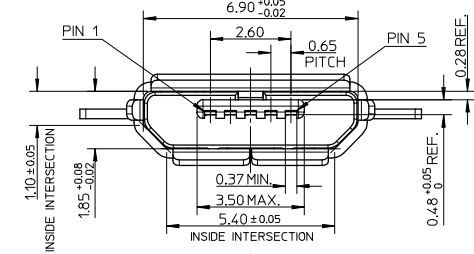
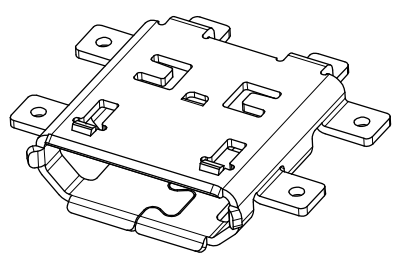
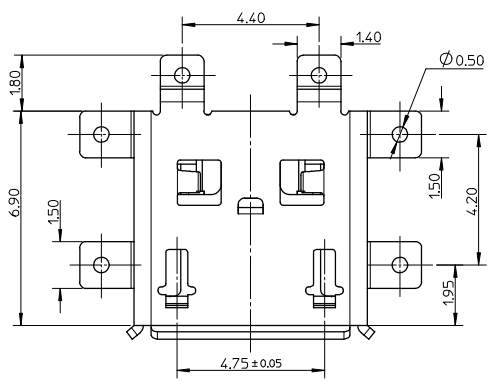
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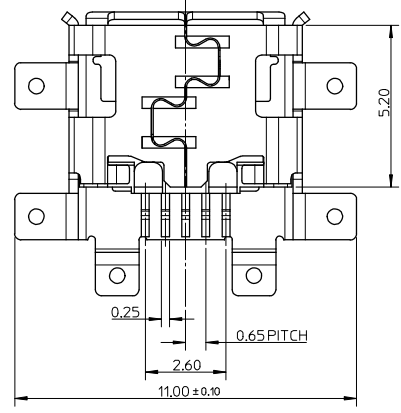
10 9 8 7 6 5 4 3 2 1

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 0.75 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
- TAIL & NAIL COPLANARITY 0.08 mm MAXIMUM.
- PACKAGING SPECIFICATION : PK-47491-001
- PRODUCT SPECIFICATION : RPS-47491-***
- COMPLIANT TO RoHS DIRECTIVE 2002/95/EC AND ELV DIRECTIVE 2000/53/EC.



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



REVISE EC NO: SH2008-0650 DRAWN: IWANG 2008/06/30 CHKD: XJSONG 2008/06/30 APPR: HWANG 2008/07/24	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
		▽=0	mm INCH	MM ONLY	8:1	METRIC		
		▽=0	4 PLACES ± --- ± ---	DRAWN BY DATE	TITLE			
			3 PLACES ± --- ± ---	XJSONG 2006/04/28	MICRO USB B REC. MIDDLE MOUNT ASS'Y			
		2 PLACES ± 0.25 ± ---	CHECKED BY DATE	MOLEX INCORPORATED				
		1 PLACE ± 0.25 ± ---	IWANG 2006/04/28	MATERIAL NO. DOCUMENT NO. SHEET NO.				
		ANGULAR ± 3°	APPROVED BY DATE	SD-47491-001				
			JNCHEN 2006/04/28	SEE CHART				
				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

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