

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

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

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

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

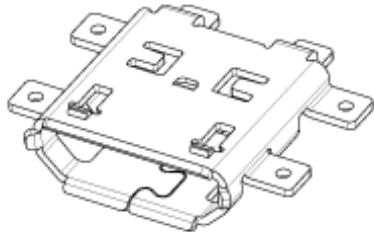
Termination Interface: Style

Surface Mount

Waterproof / Dustproof

No

Electrical



Series
image - Reference only

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Contains SVHC: No

Halogen-Free

Status

Halogen-Free

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

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

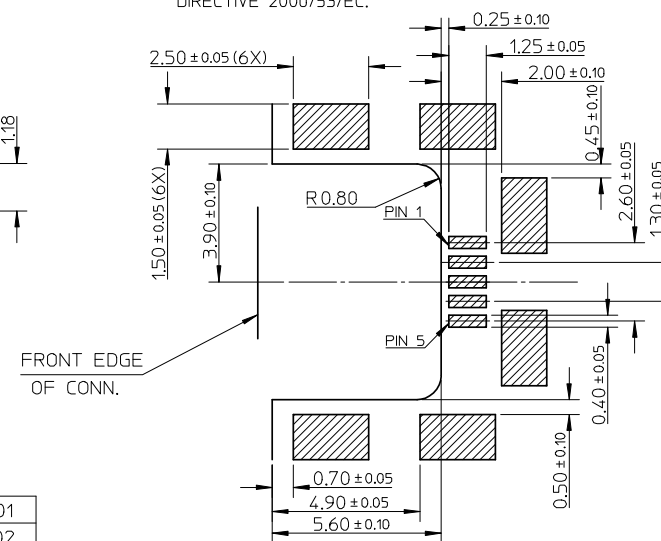
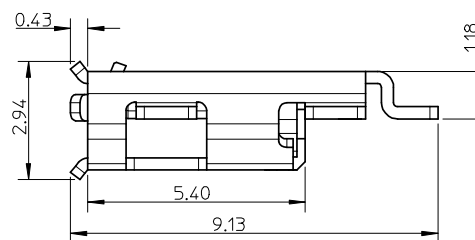
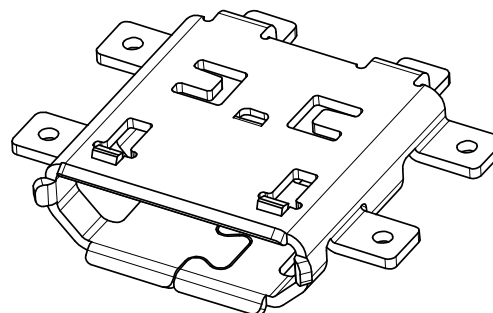
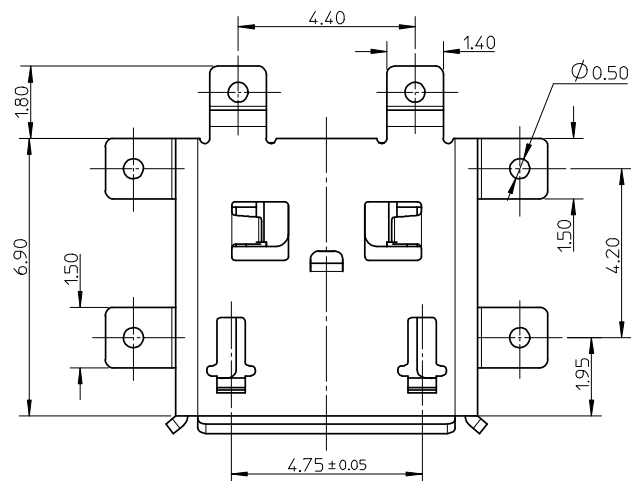
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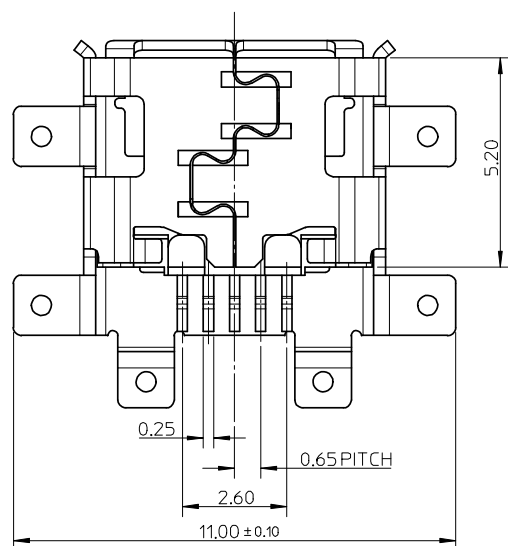
NOTE :

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 SPECIFICATION : PK-47491-001
5. PRODUCT SPECIFICATION : 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 DRWN: CWTANG CHKD: XJ SONG APPR: HWANG	DESCRIPTION	QUALITY SYMBOLS ▽=0 ◇=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 8:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION				
				mm	INCH	DRAWN BY XJ SONG	DATE 2006/04/28	TITLE MICRO USB B REC. MIDDLE MOUNT ASS'Y					
			4 PLACES	± ---	± ---	CHECKED BY I WANG	DATE 2006/04/28						
			3 PLACES	± ---	± ---	APPROVED BY JNCHEN		DATE 2006/04/28	MOLEX INCORPORATED				
			2 PLACES	± 0.25	± ---								
			1 PLACE	± 0.25	± ---	MATERIAL NO. SEE CHART		DOCUMENT NO. SD-47491-001	SHEET NO. 1 OF 1				
			ANGULAR ± 3 °										
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS										
REV					SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

9 8 7 6 5 4 3 2 1