

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0481460011

Status:

Active

Overview:

modular_plugs_jacks

Description:

Modular Jack, Right Angle, Low Profile, Inverted, Shielded, with LEDs, 8/8, LED Color: Left (Green); Right (Amber), Lead Free

Documents:

3D Model

Drawing (PDF)

Product Specification PS-48146-001 (PDF)

RoHS Certificate of Compliance (PDF)

General

Product Family

Series

Comments

Component Type

Magnetic

Overview

Performance Category

Power over Ethernet (PoE)

Product Name

Modular Jacks/Plugs

48146

With LED

PCB Jack

No

modular_plugs_jacks

5

N/A

RJ45

Physical

Boot Color

Color - Resin

Durability (mating cycles max)

Inverted / Top Latch

Keying to Mating Part

Lightpipes/LEDs

Material - Metal

Material - Plating Mating

Material - Plating Termination

Material - Resin

Orientation

PCB Locator

PCB Retention

PCB Thickness Recommended (in)

PCB Thickness Recommended (mm)

Packaging Type

Panel Mount

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Pitch - Term. Interface (in)

Pitch - Term. Interface (mm)

Plating min: Mating (µin)

Plating min: Mating (µm)

Plating min: Termination (µin)

Plating min: Termination (µm)

Ports

Positions / Loaded Contacts

Surface Mount Compatible (SMC)

Temperature Range - Operating

Termination Interface: Style

Wire/Cable Type

N/A

Black

750

Yes

Yes

LEDs

Brass, Phosphor Bronze

Gold

Tin

High Temperature Thermoplastic

Right Angle (Side Entry)

Yes

Yes

0.062 In

1.60 mm

Tray

Without Flange

0.080 In

2.03 mm

0.080 In

2.03 mm

50

1.27

100

2.54

1

8/8

No

-40°C to +85°C

Through Hole

N/A

Electrical

Current - Maximum per Contact

1.5A

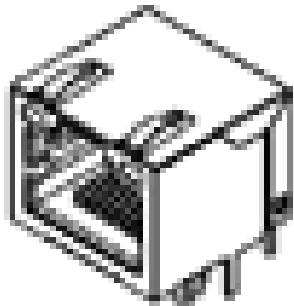


image - Reference only

Series

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

48146Series

Mates With

FCC 68 Plugs

Grounding to PCB	No
Grounding to Panel	Panel Ground Tab
Shielded	Yes
Voltage - Maximum	150V AC

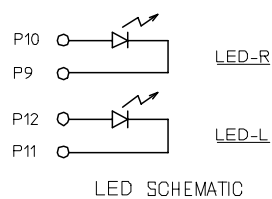
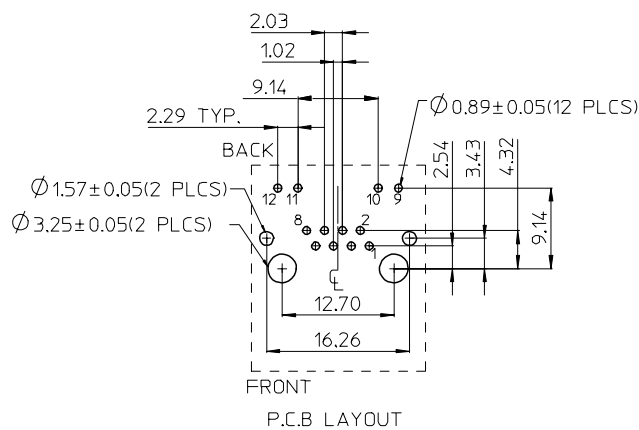
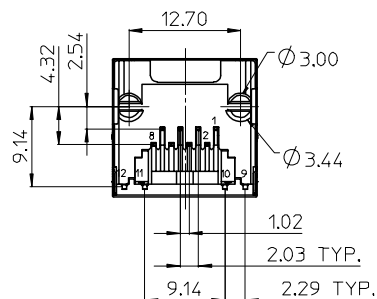
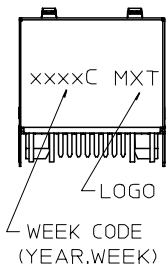
Material Info

Reference - Drawing Numbers

Packaging Specification	PK-48146-001
Product Specification	PS-48146-001
Sales Drawing	SD-48146-001
Test Summary	TS-48146-001

This document was generated on 06/07/2010

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 	P/N	LED COLOR	
		LEFT	RIGHT
	48146-0001	GREEN	GREEN
	48146-0011	GREEN	AMBER
	48146-0010	AMBER	GREEN

NOTES:

1.MATERIAL:

METAL SHELL: BRASS

HOUSING: HIGH TEMP THERMOPLASTIC,UL94V-0,COLOR:BLACK

INSERT: HIGH TEMP THERMOPLASTIC,UL94V-0,COLOR:BLACK

TERMINAL: PHOSPHOR BRONZE

2.PLATING;

TERMINAL:

CONTACT AREA: GOLD(AU),THICKNESS=50 MICROINCH/1.27 MICROMETER

SOLDER TAIL: TIN(Sn), THICKNESS=100 MICROINCH MINIMUM.

UNDER PLATE: NICKEL (Ni).

METAL SHELL:

SOLDER TAIL: TIN(Sn), THICKNESS=100 MICROINCH MINIMUM.

UNDER PLATE: NICKEL (Ni),(SOLDERING AVAILABLE)

SURFACE APPEARANCE: BRIGHT.

3.RECOMMENDED PCB THICKNESS: 1.60±0.05

4.PRODUCT SPECIFICATION REFER TO PS-48146-001

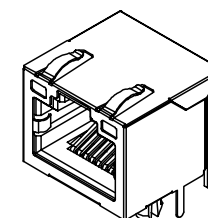
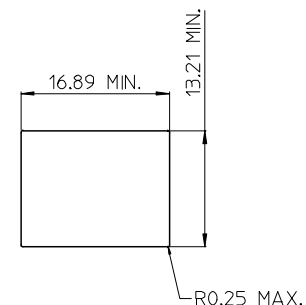
5. TEST SUMMARY REFER TO TS-48146-001

6. PACKAGING SPECIFICATION REFER TO PK-48146-001.

7. LEAD FREE AND ROHS COMPLIANT PRODUCT.

LED ELECTRICAL SPECIFICATION

PARAMETER	GREEN (TYP.)		AMBER (TYP.)		UNITS	TEST CONDITIONS
POWER DISSIPATION	105		100		mW	
REVERSE VOLTAGE	5		5		V	
PEAK WAVELENGTH	565		600		nm	IF=20mA
FORWARD VOLTAGE	2.2	MAX.=2.5	2.1	MAX.=2.5	V	IF=20mA



RECOMMENDED PANEL CUTOUT

ADD NEW P/N EC NO: SH2007-0138 DRAWN: CALLIN CHKD: 2006/09/12 APPR: WWSCHANG 2006/09/13	DESCRIPTION	QUALITY SYMBOLS ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
				mm	INCH	DRAWN BY LINDA	DATE 2004/07/27	TITLE CATEGORY 5 MODULAR JACK 8 POSITION, 8 CONTACTS					
			4 PLACES	± ---	± ---	CHECKED BY ALL IN	DATE 2004/07/27						
			3 PLACES	± ---	± ---								
			2 PLACES	± 0.25	± ---								
			1 PLACE	± 0.25	± ---	APPROVED BY WWSCHANG	DATE 2004/07/27	MOLEX MOLEX INCORPORATED					
			ANGULAR ± 3 °			MATERIAL NO.		DOCUMENT NO.		SHEET NO.			
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE TABLE		SD-48146-001			1 OF 1		
						SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						