# CUI DEVICES

### MODEL: PD-40S | DESCRIPTION: POWER DIN JACK

#### FEATURES

- 4 pin power DIN
- through hole
- shielded
- suitable for high power applications



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#### **SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
rated input voltage			20		Vdc
rated input current	all pins			7.5	Α
contact resistance	at 20 mA, 1 kHz			30	mΩ
insulation resistance	at 250 Vdc	50			MΩ
voltage withstand	for 1 minute			250	Vac
insertion force				6.5	kg
withdrawal force		0.5		6.5	kg
operating temperature		-40		85	°C
life		1,000		cycles	
flammability rating	UL94V-0				
RoHS	yes				

#### **SOLDERABILITY**

parameter	conditions/description	min	typ	max	units
wave soldering	for max 10 seconds	235		260	°C

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ITEM

DESCRIPTION

MATERIAL

black

black

tin

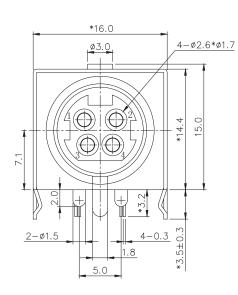
tin

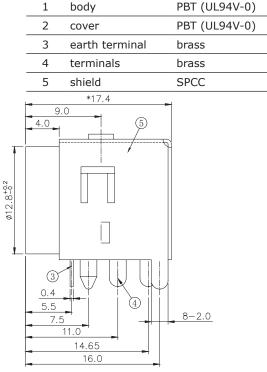
tin

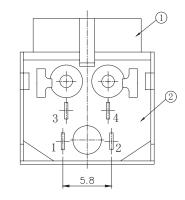
PLATING/COLOR

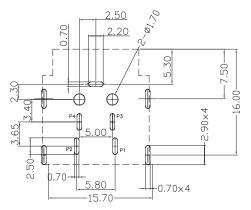
#### **MECHANICAL DRAWING**

units: mm tolerance: ±0.3 mm unless otherwise noted

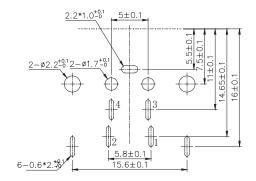








Recommended PCB Layout Top View (Date Codes prior to 03/03/2022)



Recommended PCB Layout Top View (Date Codes after 03/03/2022)

#### **REVISION HISTORY**

rev.	description	date
1.0	initial release	11/19/2008
1.01	update to title and tolerance	09/08/2009
1.02	updated datasheet	01/11/2018
1.03	updated housing, brand update	11/15/2019
1.04	updated PCB footprint	08/11/2020
1.05	modified design, changed factory	02/18/2022

The revision history provided is for informational purposes only and is believed to be accurate.

## **CUI** DEVICES

CUI Devices offers a one (1) year limited warranty. Complete warranty information is listed on our website.

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