CUI DEVICES

MODEL: PJ-042H | DESCRIPTION: DC POWER JACK

FEATURES

- 1.65 mm center pin
- high current 5 A rating
- right angle oreintation
- through hole with panel slots
- kinked pins



RoHS

SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
rated input voltage			24		Vdc
rated input current				5	A
contact resistance	between terminal and mating plug between terminal in a closed circuit			50 30	mΩ mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand	for 1 minute			500	Vac
insertion/withdrawal force		0.3		3	kg
operating temperature		-25		85	°C
life			5,000		cycles
flammability rating	UL94V-0				
RoHS	yes				

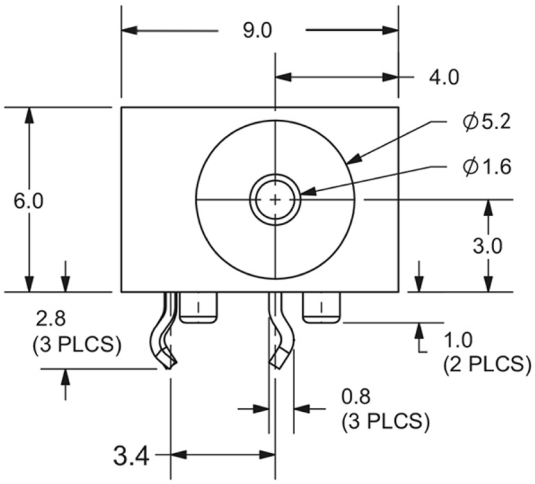
SOLDERABILITY

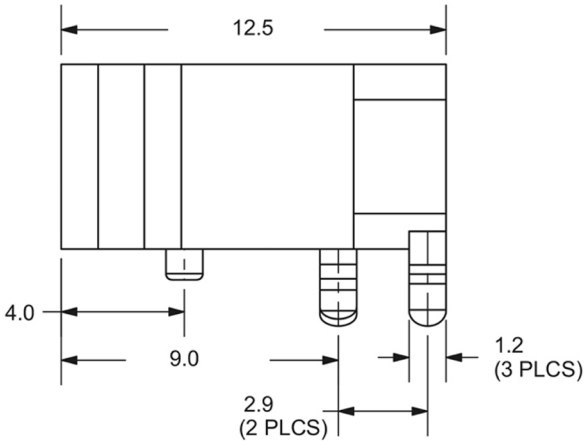
parameter	conditions/description	min	typ	max	units
wave soldering	dipped in solder pot for 5 ±0.5 seconds	255	260	265	°C

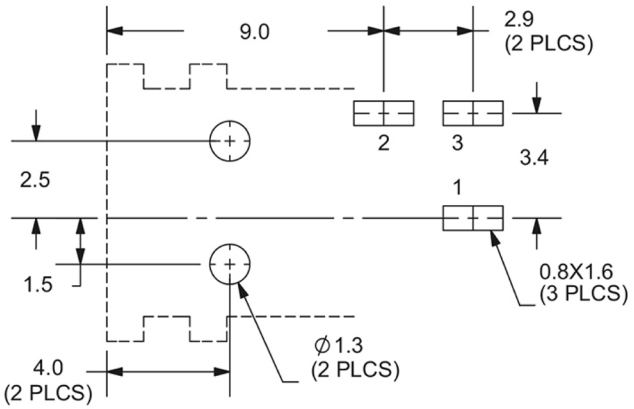
MECHANICAL DRAWING

units: mm
tolerance:
X.X ±0.20 mm
X.XX ±0.10 mm
X.XXX ±0.05 mm
unless otherwise specified

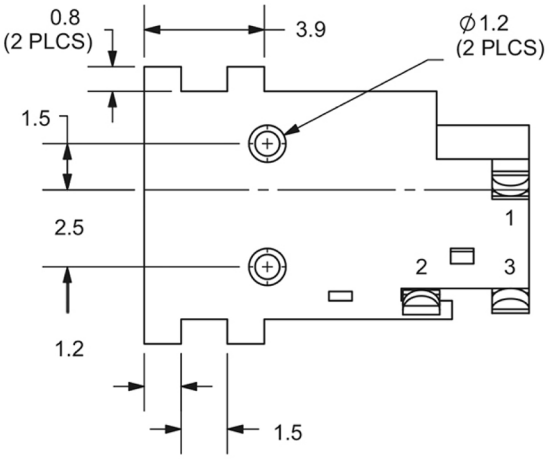
DESCRIPTION	MATERIAL	PLATING/COLOR
center pin	brass	silver
terminal 1	brass	silver
terminal 2	phosphor bronze t=0.3	silver
terminal 3	brass t=0.3	silver
housing	PA66 (UL94V-0)	black

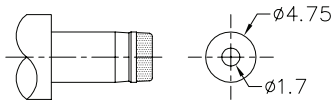




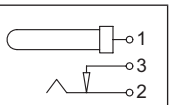


Recommended PCB Layout
Top View





MATING PLUG
Jack Insertion Depth: 7.8 mm

SCHEMATIC	
Model	PJ-042H
Center Pin	Ø1.65 mm

REVISION HISTORY

rev.	description	date
1.0	initial release	07/30/2007
1.01	applied new spec template	01/14/2015
1.02	increased voltage rating	04/14/2016
1.03	brand update	10/28/2019
1.04	logo, datasheet style update	08/05/2022
1.05	product reengineered for improved manufacturability and production yield, see PCN for details	07/07/2023

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

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

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