CUI DEVICES

MODEL: PJ-018H-SMT-TR | **DESCRIPTION:** DC POWER JACK

FEATURES

- 1.65 mm center pin
- 5.0 A rating
- right angle orientation
- surface mount (SMT)

RoHS

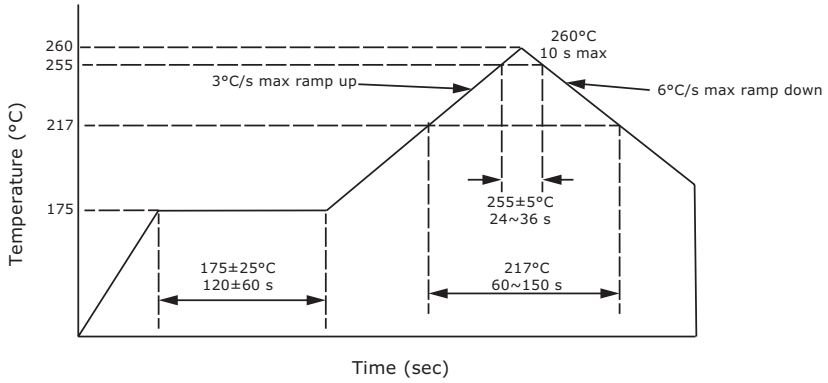
SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
rated input voltage			24		Vdc
rated input current				5.0	A
contact resistance				30	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
storage temperature		-40		85	°C
life			5,000		cycles
flammability rating	UL94V-0				
RoHS	yes				

SOLDERABILITY

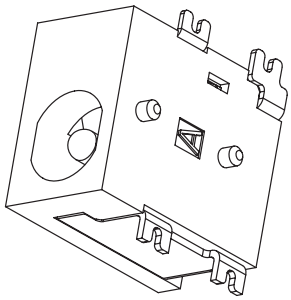
parameter	conditions/description	min	typ	max	units
reel storage	reel opened & unsused parts repacked within 2 hours: ≤30°C, ≤60% humidity reel unopened, 1 year shelf life: ≤30°C, ≤85% humidity				
reflow soldering	see reflow profile			260	°C
drying conditions	parts removed from reel over 6 hours: bake at 40°C for 6 hours				

Note: 1. CUI Devices recommends usage of the product within 2 hours after TBR is opened. After 6 hours, CUI Devices recommends drying the parts prior to use.

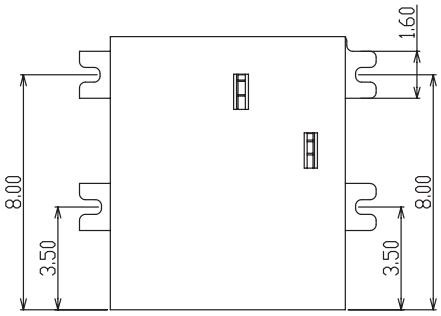


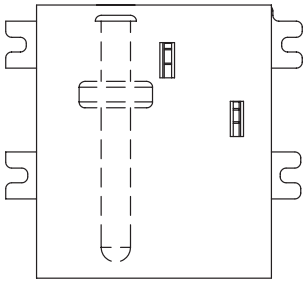
MECHANICAL DRAWING

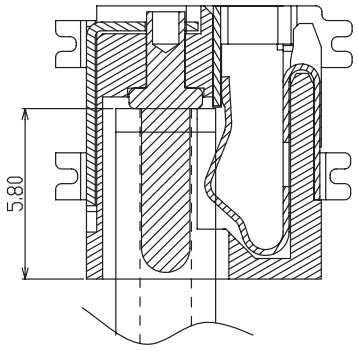
units: mm
tolerance:
X.X ±0.30 mm
X.XX ±0.20 mm
X.XXX ±0.10 mm
PCB: ±0.05 mm
unless otherwise specified

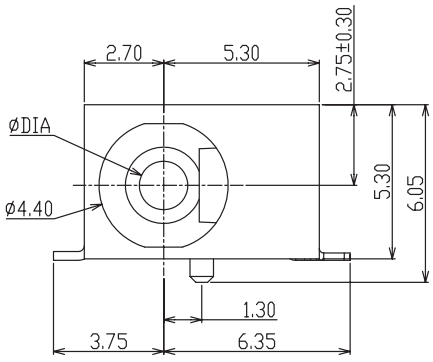


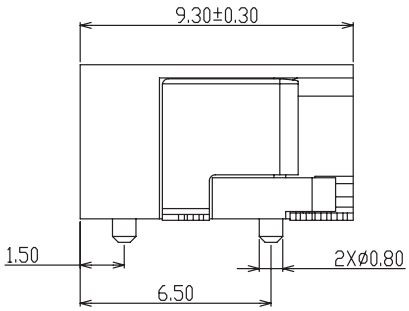
DESCRIPTION	MATERIAL	PLATING/COLOR
center pin	H62	silver
terminal 1	brass t=0.30	silver
terminal 2	C5210R-EH t=0.20	silver
terminal 3	brass t=0.25	silver
housing	PA9T (UL94V-0)	black

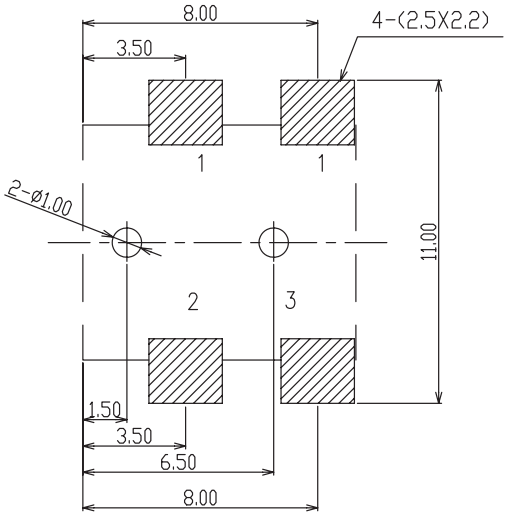




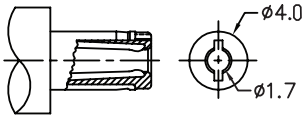




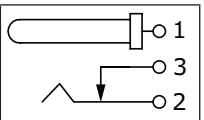




Recommended PCB Layout
Top View



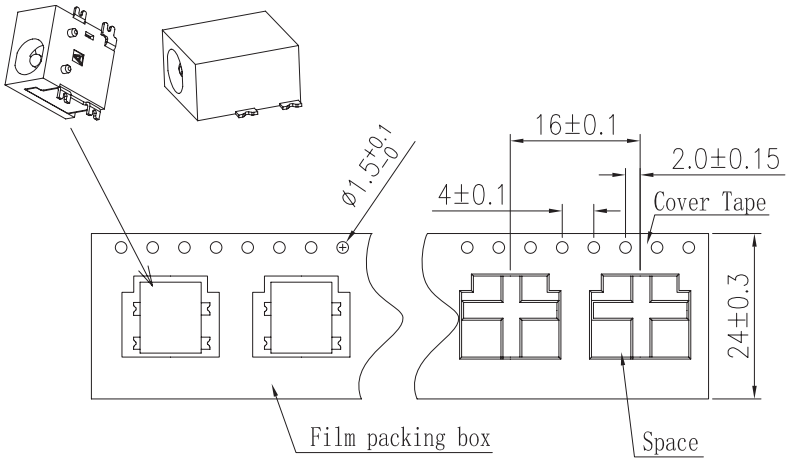
MATING PLUG
Jack Insertion Depth: 5.8 mm

SCHEMATIC	
Model	PJ-018H-SMT-TR
Center Pin	Ø1.65 mm

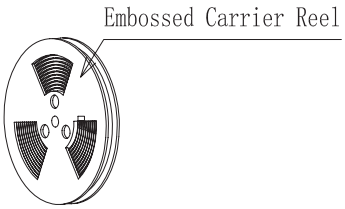
PACKAGING

units: mm

Reel Size: Ø330 mm
Reel QTY: 600 pcs per reel



1 Film packing box=1×600pcs
=600pcs



REVISION HISTORY

rev.	description	date
1.0	initial release	02/05/2007
1.01	added TR package option and jack insertion depth	11/07/2012
1.02	applied new spec template	08/21/2013
1.03	increased voltage rating	04/14/2016
1.04	added storage and drying conditions, and tape and reel packaging details	10/11/2017
1.05	brand update	10/25/2019
1.06	logo, datasheet style update	08/05/2022
1.07	product reengineered for improved manufacturability and production yield, see PCN for details	03/03/2023

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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