MODEL: PJ-015AH-SMT-TR | DESCRIPTION: DC POWER JACK

FEATURES

- surface mount
- vertical orientation
- rated up to 5 A

RoHS

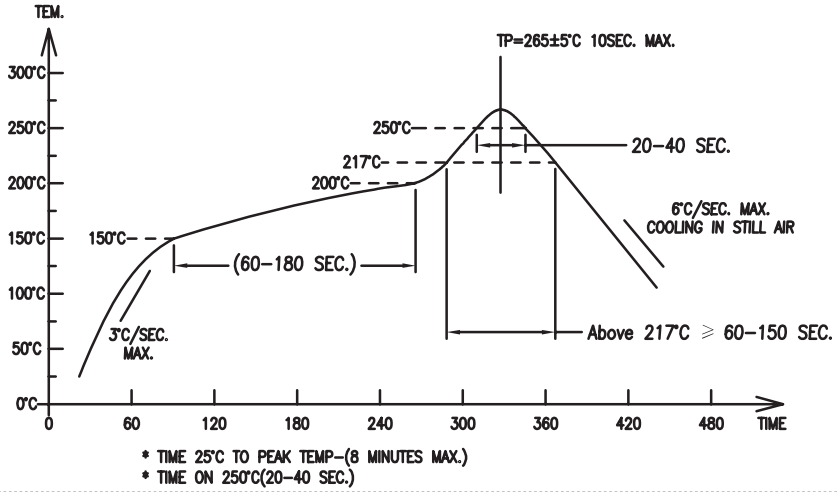
SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
rated input voltage			24		Vdc
rated input current				5	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
life			5,000		cycles
flammability rating	UL94V-0				
RoHS	yes				

SOLDERABILITY

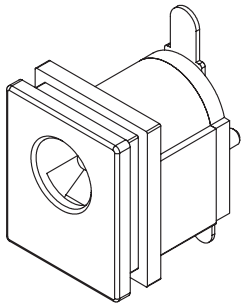
parameter	conditions/description	min	typ	max	units
reel storage	-5~35°C, 25~80% humidity reel opened: use within 1 month reel unopened: use within 6 months				
reflow soldering	see reflow profile	260	265	270	°C

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.

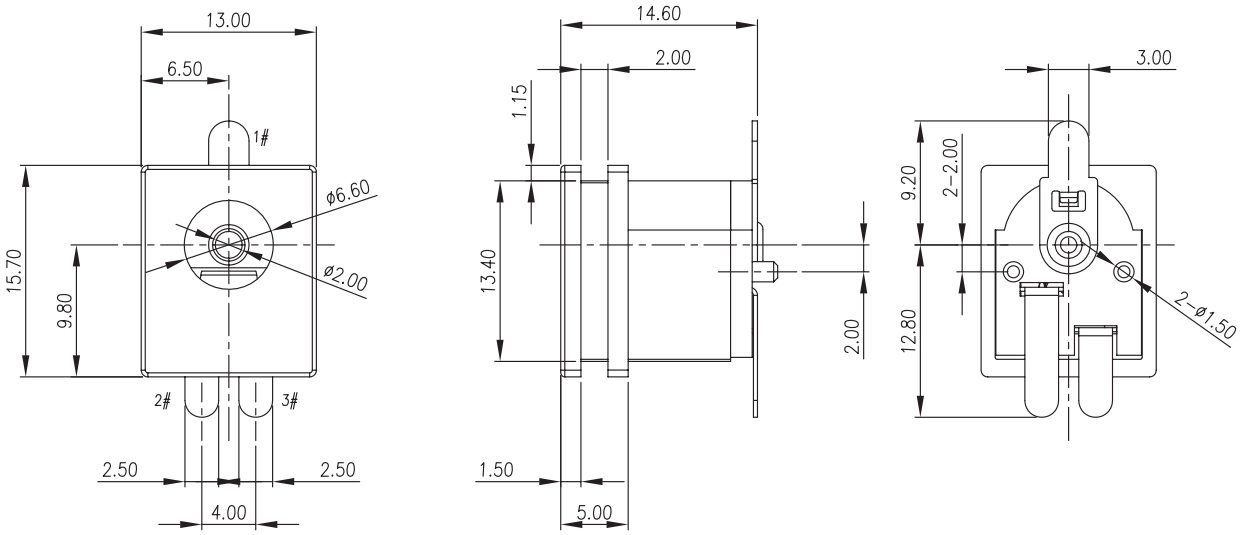


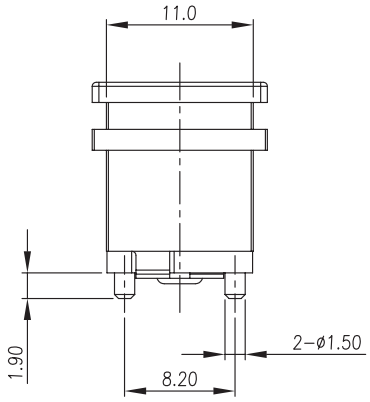
MECHANICAL DRAWING

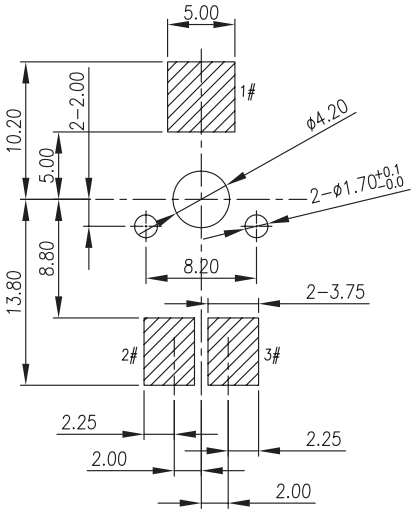
units: mm
tolerance:
X ±0.5 mm
X.X ±0.3 mm
X.XX ±0.2 mm
PCB: ±0.05 mm
unless otherwise specified



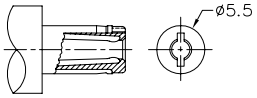
DESCRIPTION	MATERIAL	PLATING/COLOR
center pin	brass	nickel
terminal 1	brass	silver
terminal 2	copper alloy	silver
terminal 3	brass	silver
housing	PA10T (UL94V-0)	black



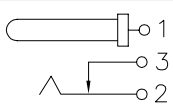




Recommended PCB Layout
Top View



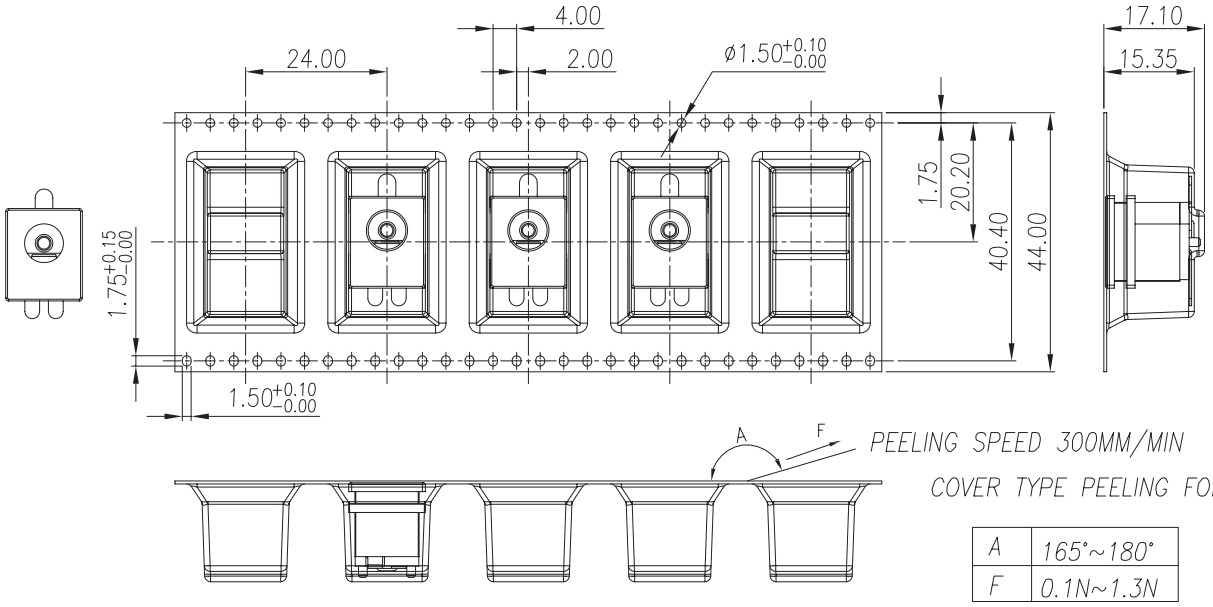
MATING PLUG
Jack Insertion Depth: 9.5mm

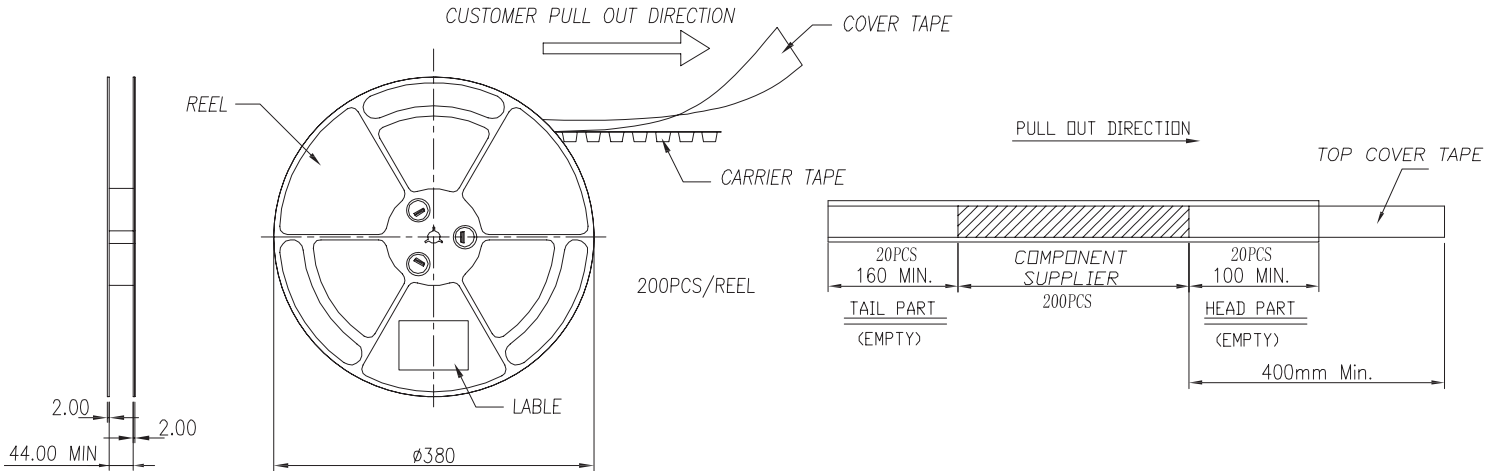
SCHEMATIC	
Model	PJ-015AH-SMT
Center Pin	Ø2.0 mm

PACKAGING

units: mm

Reel Size: Ø380 mm
Reel QTY: 200 pcs per reel





REVISION HISTORY

rev.	description	date
1.0	initial release	07/18/2012
1.02	increased voltage rating	04/14/2016
1.03	added storage and drying conditions, and tape and reel packaging details	10/19/2017
1.04	brand update	10/30/2019
1.05	logo, datasheet style update	08/05/2022
1.06	product reengineered for improved manufacturability and production yield, see PCN for details	09/06/2023

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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