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

FEATURES

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



RoHS

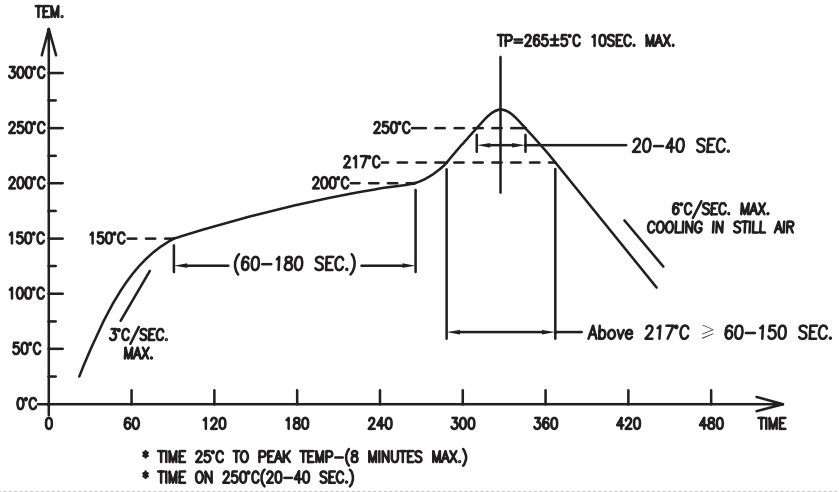
SPECIFICATIONS

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

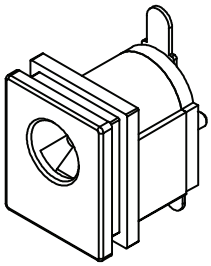
parameter	conditions/description	min	typ	max	units
reel storage	-5~35°C, 25~80% humidity reel opened: use within 1 month reel unopened: use within 6 months				
reflow soldering	see reflow profile	260	265	270	°C

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.

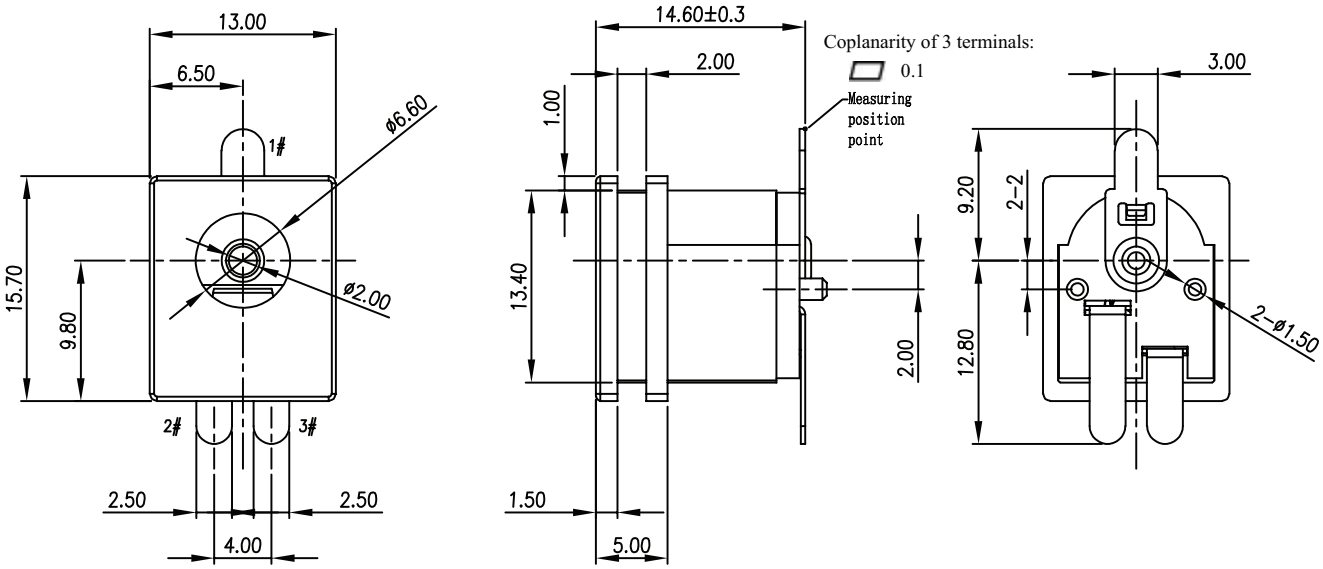


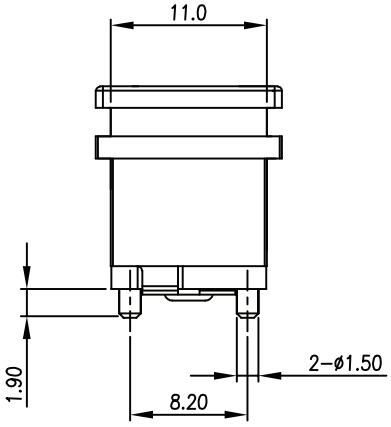
MECHANICAL DRAWING

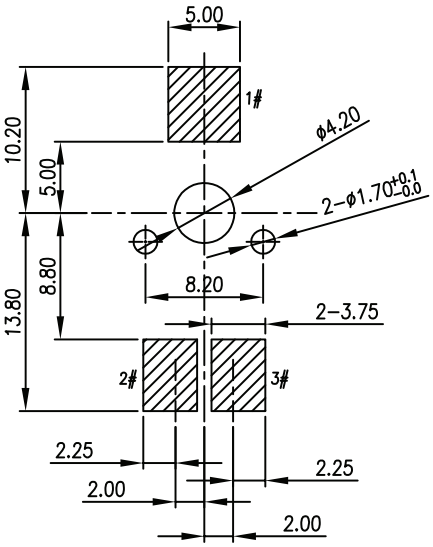
units: mm
tolerance:
X ±0.5 mm
X.X ±0.3 mm
X.XX ±0.2 mm
PCB: ±0.05 mm
unless otherwise specified



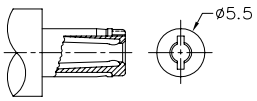
DESCRIPTION	MATERIAL	PLATING/COLOR
center pin	brass	nickel
terminal 1	brass	silver
terminal 2	copper alloy	silver
terminal 3	brass	silver
housing	PA10T (UL94V-0)	black



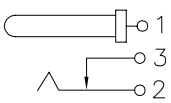




Recommended PCB Layout
Top View



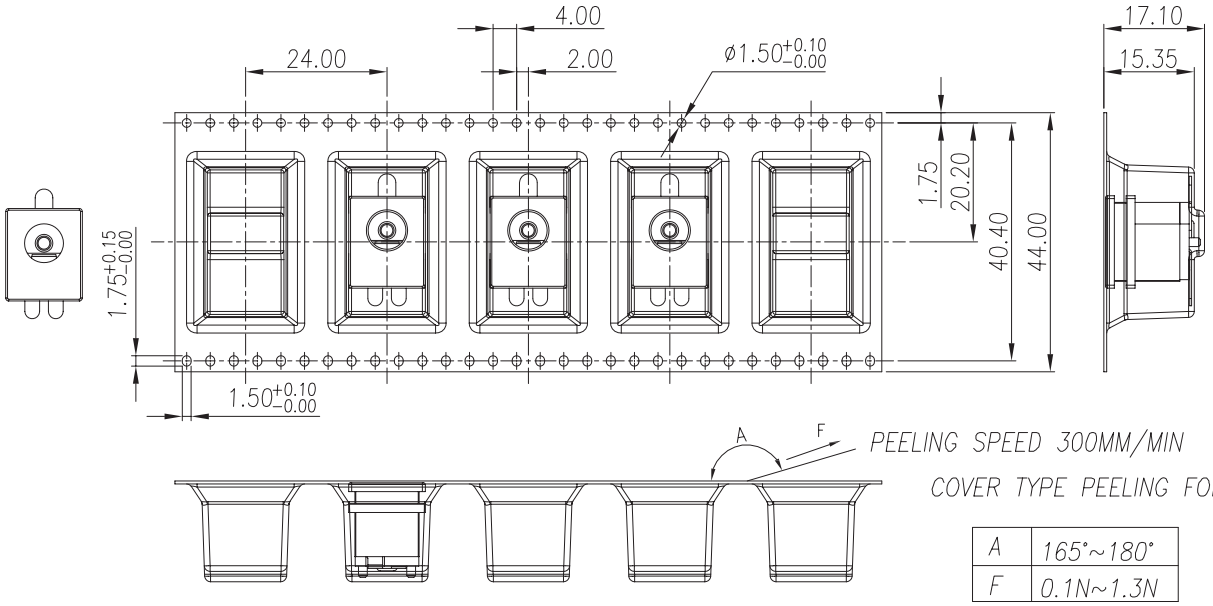
MATING PLUG
Jack Insertion Depth: 9.5mm

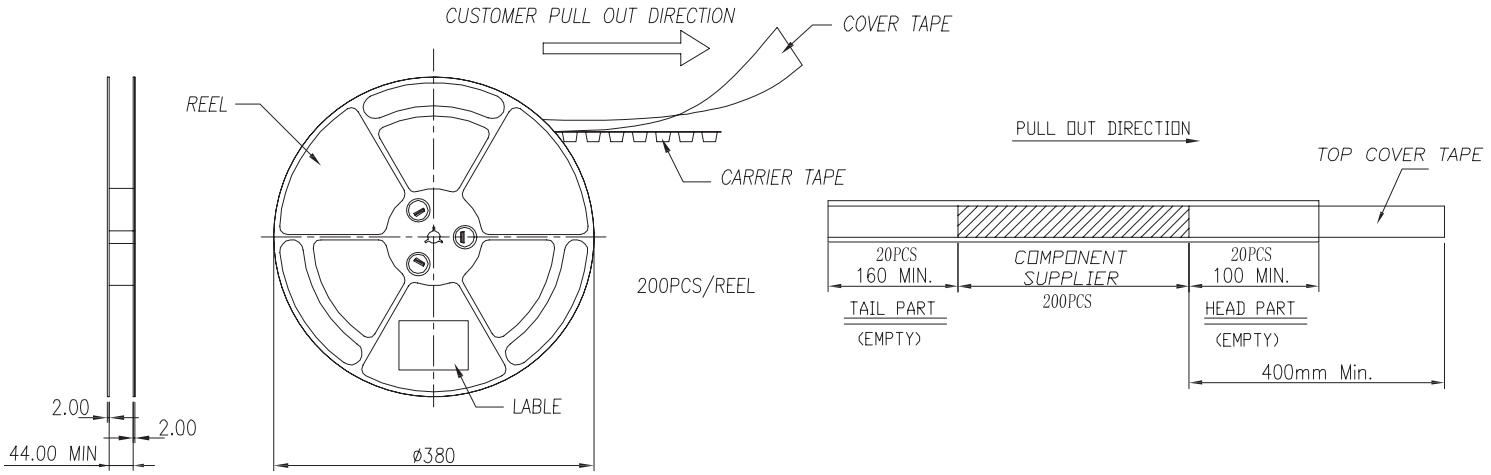
SCHEMATIC	
Model	PJ-015AH-SMT
Center Pin	Ø2.0 mm

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
1.07	added coplanarity details to drawing	05/22/2024

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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CUI Devices products are not authorized or warranted for use as critical components in equipment that requires an extremely high level of reliability. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

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