MODEL: PJ-002BH-SMT-TR | DESCRIPTION: DC POWER JACK

FEATURES

- designed for pick and place
- 5 A current rating
- narrow footprint



RoHS

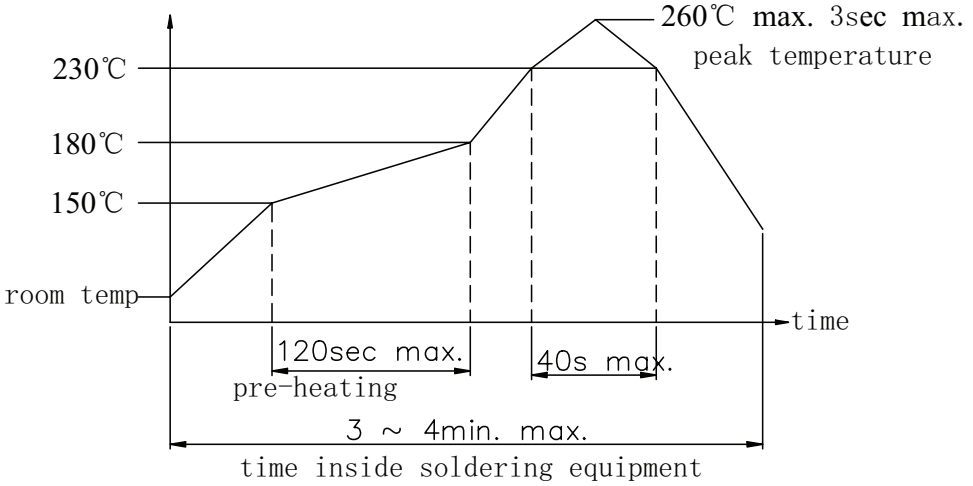
SPECIFICATIONS

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
life			5,000		cycles
flammability rating	UL94V-0				
RoHS	yes				

SOLDERABILITY

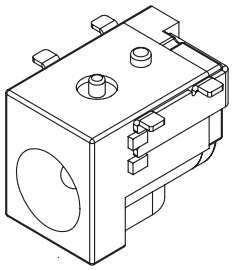
parameter	conditions/description	min	typ	max	units
reel storage	-5~35°C, 25~80% humidity reel opened: use within 1 month reel unopened: use within 6 months				
reflow soldering	see reflow profile			260	°C

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.

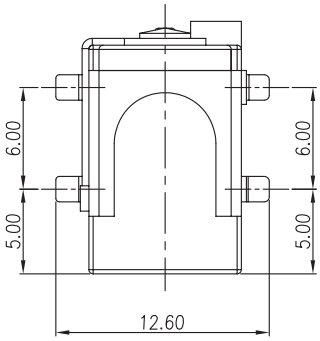


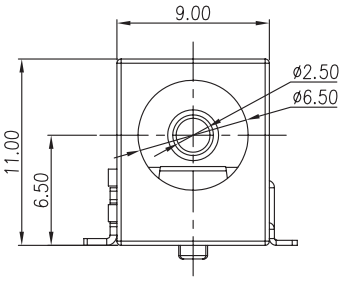
MECHANICAL DRAWING

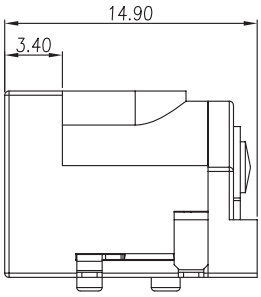
units: mm
tolerance:
X.X ±0.2 mm
X.XX ±0.10 mm
X.XXX ±0.050 mm
PCB: ±0.05 mm
unless otherwise specified
PCB thickness: 1.6 mm

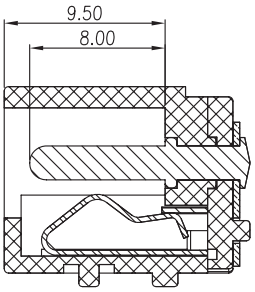


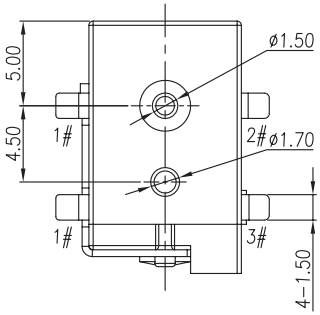
DESCRIPTION	MATERIAL	PLATING/COLOR
center pin	copper	nickel
terminal 1	brass	silver
terminal 2	copper alloy	silver
terminal 3	brass	silver
housing	PA10T (UL94V-0)	black
cover	PA10T (UL94V-0)	black

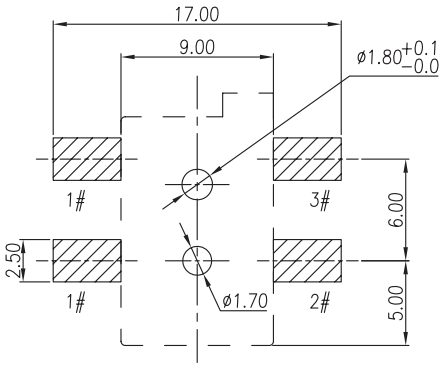




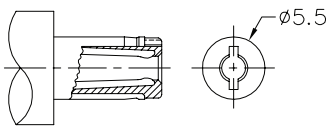




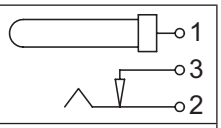




Recommended PCB Layout
Top View



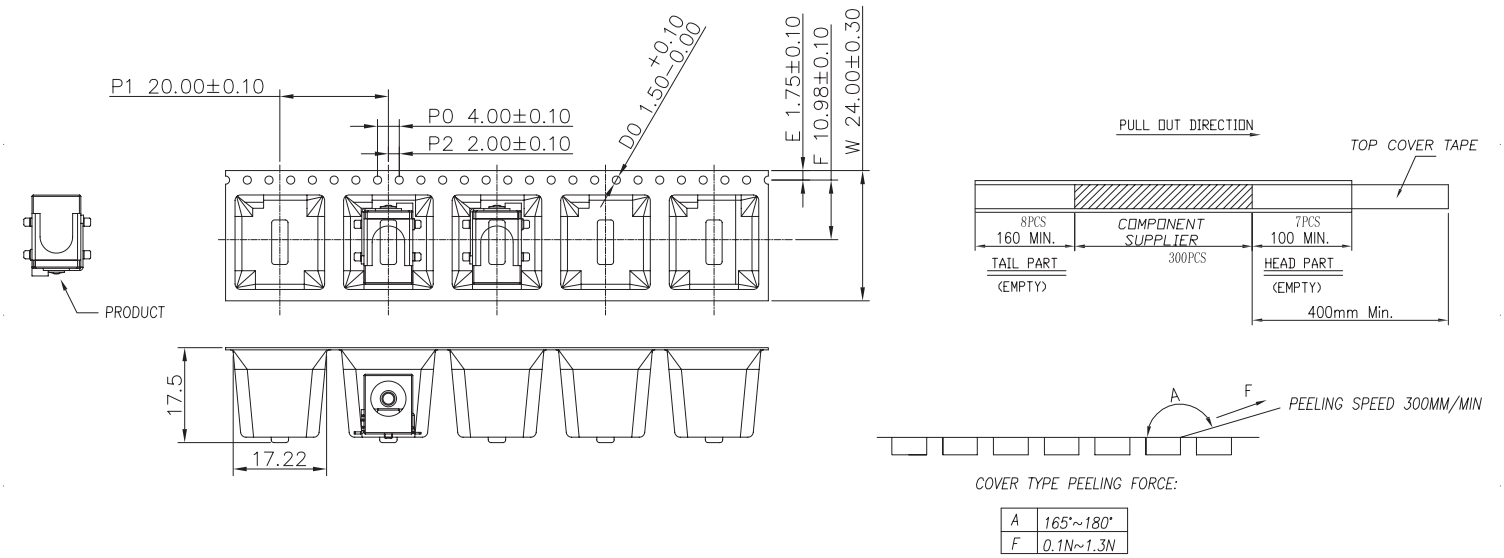
MATING PLUG
Jack Insertion Depth: 9.5 mm

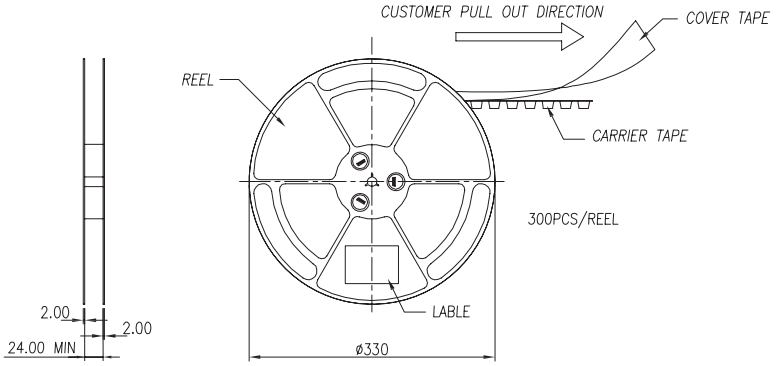
SCHEMATIC	
Model	PJ-002BH-SMT-TR
Center Pin	Ø2.5 mm

PACKAGING

units: mm

Reel Size: Ø330 mm
Reel QTY: 300 pcs per reel





REVISION HISTORY

rev.	description	date
1.0	initial release	10/19/2005
1.01	updated operating temperature	06/20/2011
1.02	updated spec, added jack insertion depth	10/12/2012
1.03	added TR package option	11/28/2012
1.04	updated spec	07/03/2013
1.05	increased voltage rating	05/17/2016
1.06	added storage and drying conditions, and tape and reel packaging details	07/26/2017
1.07	brand update	10/31/2019
1.08	logo, datasheet style update	08/05/2022
1.09	updated tape and reel packaging	06/19/2023

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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