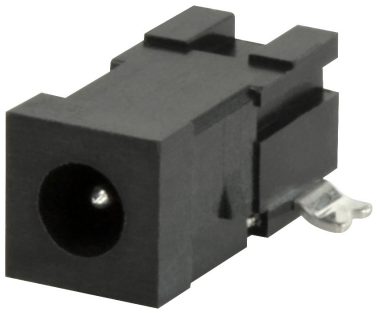
MODEL: PJ-031H-SMT-TR | DESCRIPTION: DC POWER JACK

FEATURES

- 0.65 mm center pin
- 2.5 A rating
- right angle orientation
- surface mount (SMT)
- internal switch



RoHS

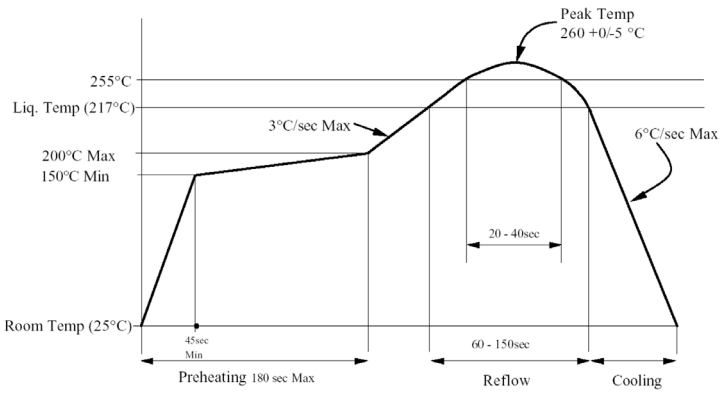
SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
rated input voltage			24		Vdc
rated input current				2.5	A
contact resistance				50	mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand	for 1 minute			500	Vac
insertion/withdrawal force		0.3		2	kg
operating temperature		-25		85	°C
life			5,000		cycles
flammability rating	UL94V-0				
RoHS	yes				

SOLDERABILITY

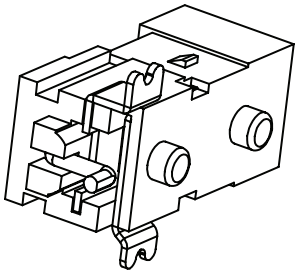
parameter	conditions/description	min	typ	max	units
reel storage	≤40°C, ≤80% humidity				
reflow soldering	see reflow profile	255	260		°C

Note: 1. CUI Devices recommends usage of the product within 24 hours after TBR is opened. After 24 hours, CUI Devices recommends drying the parts prior to use.

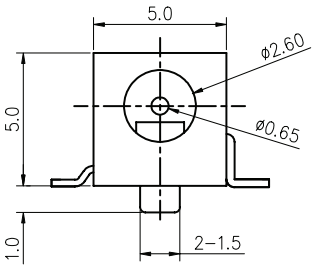


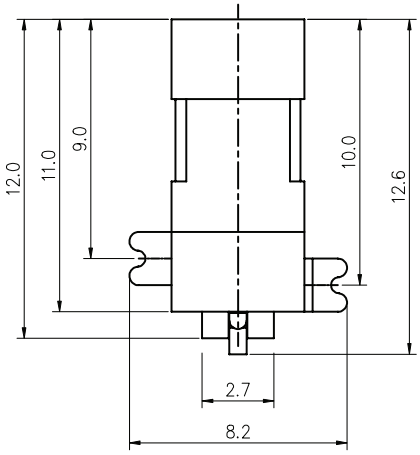
MECHANICAL DRAWING

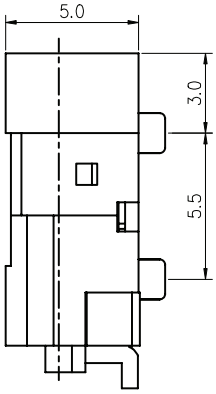
units: mm
tolerance:
X.X ±0.20 mm
X.XX ±0.15 mm
X.XXX ±0.10 mm
PCB: ±0.05 mm
unless otherwise specified

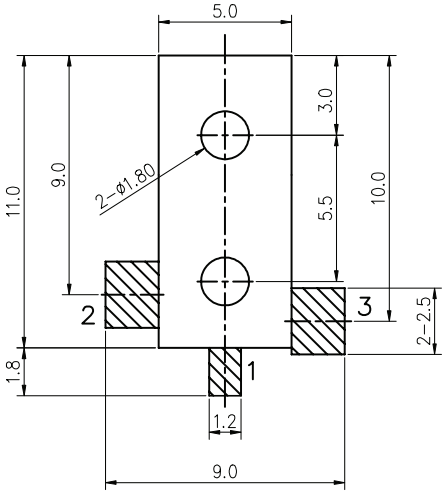


DESCRIPTION	MATERIAL	PLATING/COLOR
center pin	copper alloy	silver
terminal 1	copper alloy t=0.30	silver
terminal 2	copper alloy t=0.25	silver
terminal 3	copper alloy t=0.25	silver
housing	PA10T (UL94V-0)	black

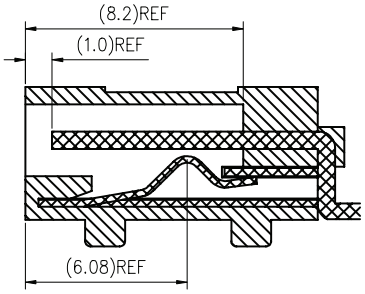


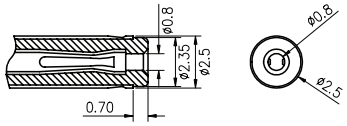




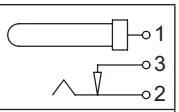


Recommended PCB Layout
Top View





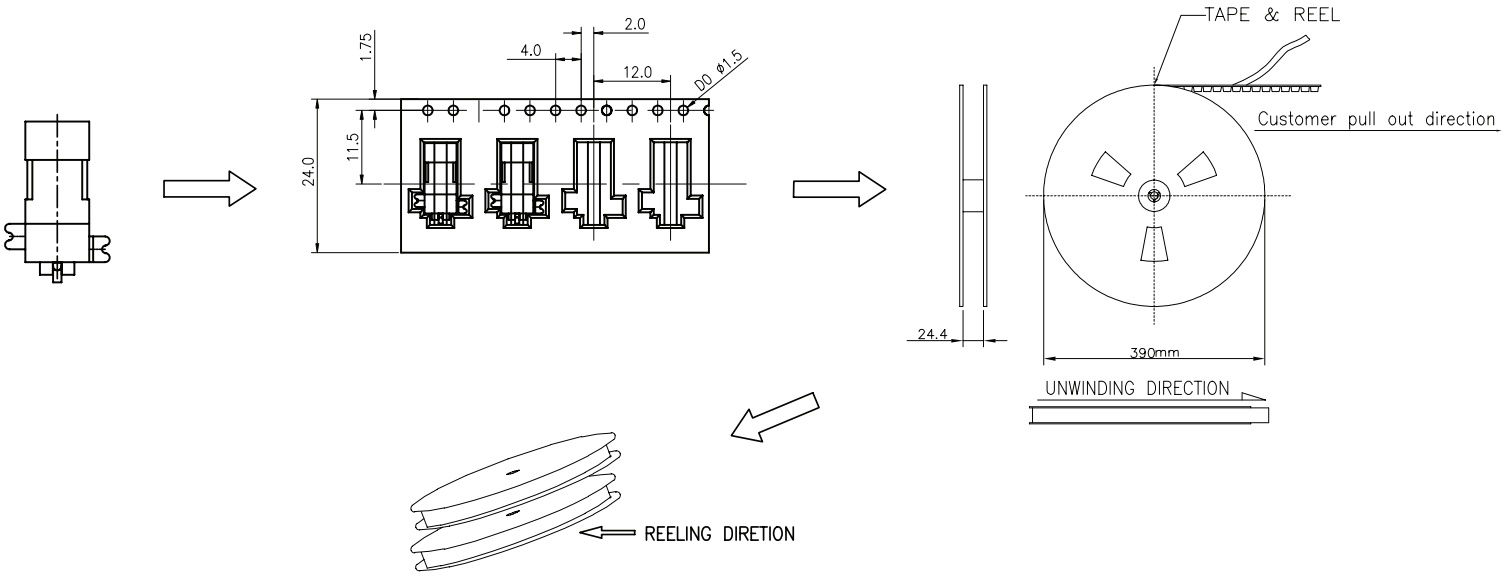
MATING PLUG
Jack Insertion Depth: 8.2 mm

SCHEMATIC	
Model	PJ-031H-SMT
Center Pin	Ø0.65 mm

PACKAGING

units: mm

Reel Size: Ø390 mm
Reel QTY: 1,200 pcs per reel



REVISION HISTORY

rev.	description	date
1.0	initial release	02/01/2007
1.01	added TR package option and jack insertion depth	11/07/2012
1.02	applied new spec template	08/28/2013
1.03	increased voltage rating	04/14/2016
1.04	added storage and drying conditions, and tape and reel packaging details	07/25/2017
1.05	brand update	10/21/2019
1.06	logo, datasheet style update	08/05/2022
1.07	product reengineered for improved manufacturability and production yield, see PCN for details	03/13/2023

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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