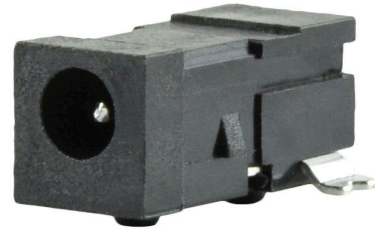


MODEL: PJ1-022-SMT-TR | **DESCRIPTION:** DC POWER JACK

FEATURES

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

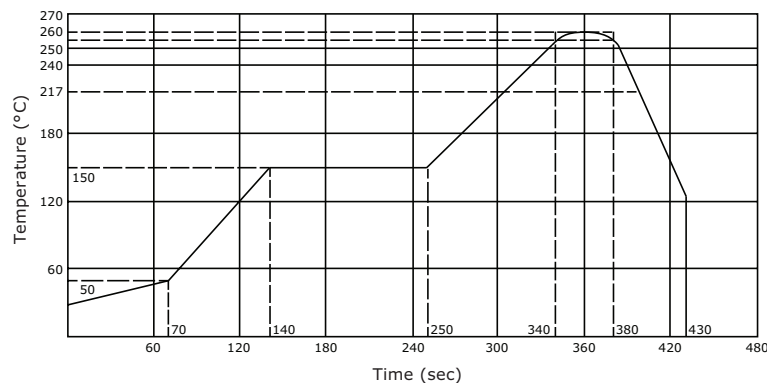

SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
rated input voltage			24		Vdc
rated input current				2.5	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

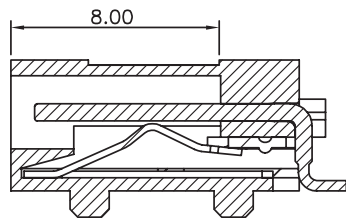
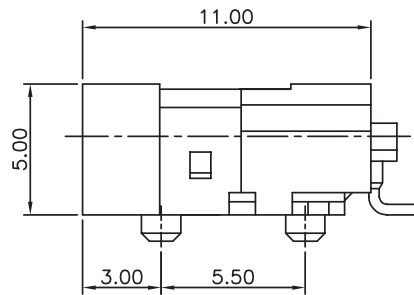
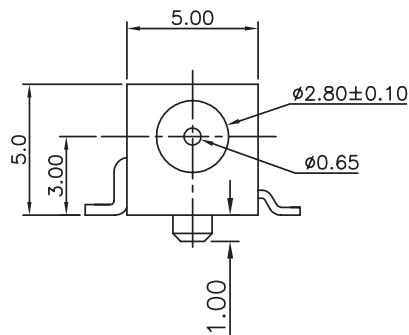
parameter	conditions/description	min	typ	max	units
reel storage	at relative humidity <80%			40	°C
reflow soldering ¹	see reflow profile	255	260	265	°C
drying conditions ²	parts in reel: bake at 40°C ±5°C for 72 hours parts removed from reel: bake at 40°C ±5°C for 10 hours				

Note: 1. CUI Devices recommends to solder within 72 hours from opening vacuum packaging at a temperature <30°C & relative humidity <80%.
2. When exceeding floor life by >72 hours.

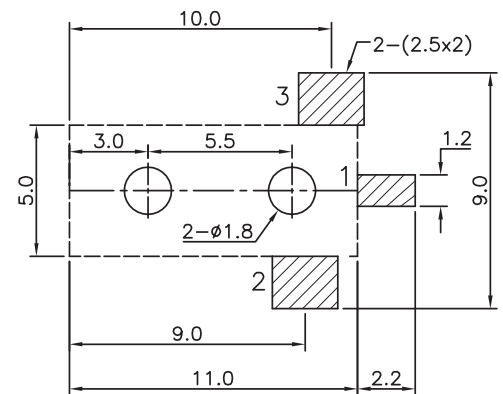
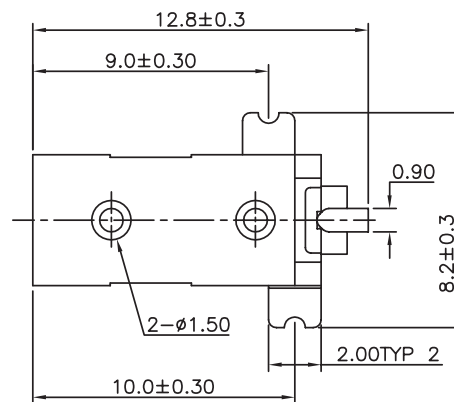
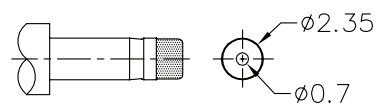


MECHANICAL DRAWING

units: mm
 tolerance:
 X, ± 0.50 mm
 X.X ± 0.30 mm
 X.XX ± 0.20 mm
 X.XXX ± 0.10 mm
 PCB: ± 0.05 mm
 unless otherwise specified



SECTION

Recommended PCB Layout
Top ViewMATING PLUG
Jack Insertion Depth: 8.0 mm

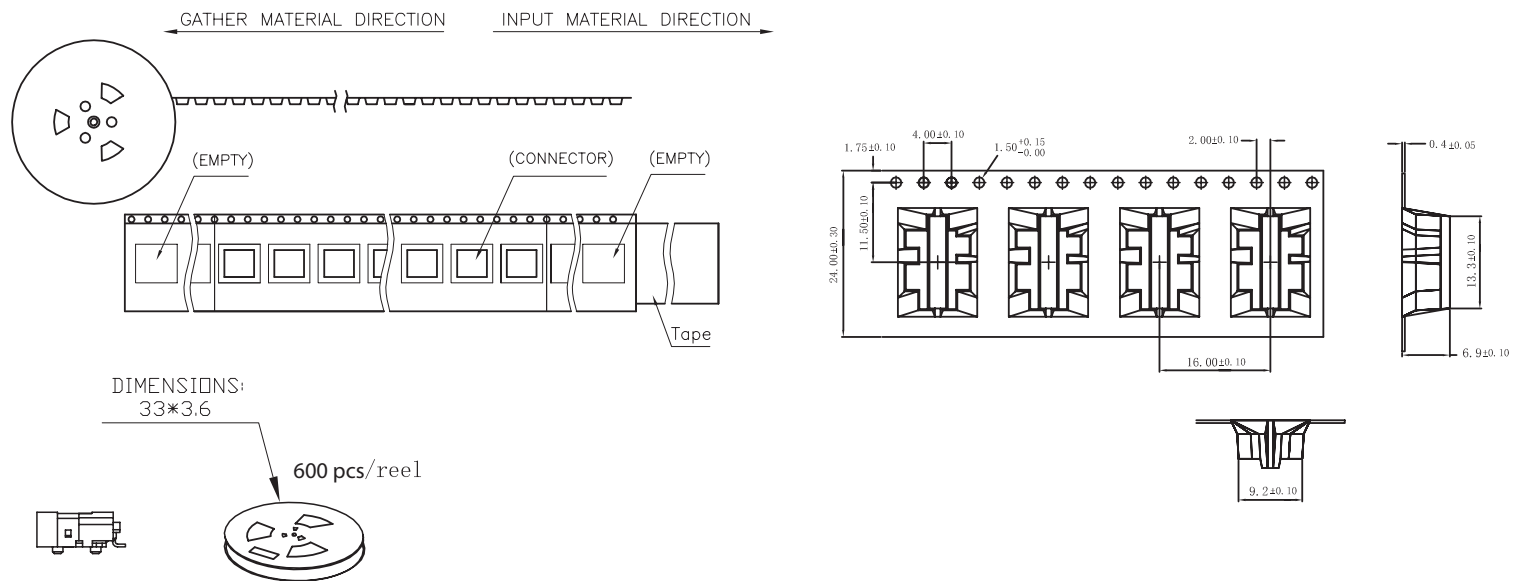
SCHEMATIC	
Model	PJ1-022-SMT
Center Pin	$\phi 0.65$ mm

PACKAGING

units: mm

Reel Size: Ø330 mm

Reel QTY: 600 pcs per reel



REVISION HISTORY

rev.	description	date
1.0	initial release	10/21/2005
1.01	dimensions updated	05/23/2006
1.02	added TR package option and jack insertion depth	11/07/2012
1.03	applied new spec template	08/22/2013
1.04	increased voltage rating	04/26/2016
1.05	added storage and drying conditions, and tape and reel packaging details	07/25/2017
1.06	brand update	10/21/2019
1.07	product reengineered for improved manufacturability and production yield, see PCN for details	12/14/2022

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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