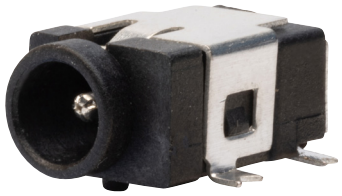
CUI Devices is now Same Sky! Learn More

MODEL: PJ-035-SMT-TR | DESCRIPTION: DC POWER JACK

FEATURES

- 1.0mm center pin
- 2.0 A rating
- right angle orientation
- surface mount (SMT)
- shielded
- 3 conductor



RoHS

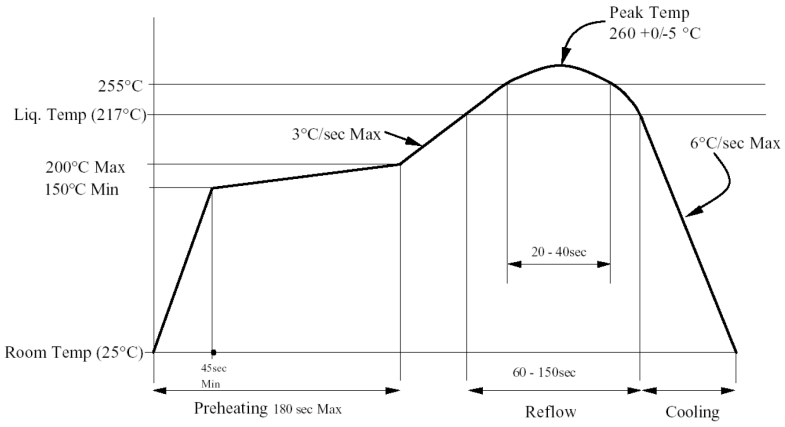
SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
rated input voltage			24		Vdc
rated input current				2.0	A
contact resistance	between terminal and mating plug between terminal in a closed circuit			50 30	mΩ 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

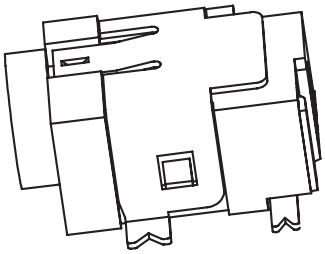
parameter	conditions/description	min	typ	max	units
reel storage	5~25°C, 20~75% humidity				
reflow soldering	see reflow profile	255	260		°C

Note: 1. Same Sky recommends usage of the product within 24 hours after T&R is opened. After 24 hours, Same Sky recommends drying the parts prior to use.

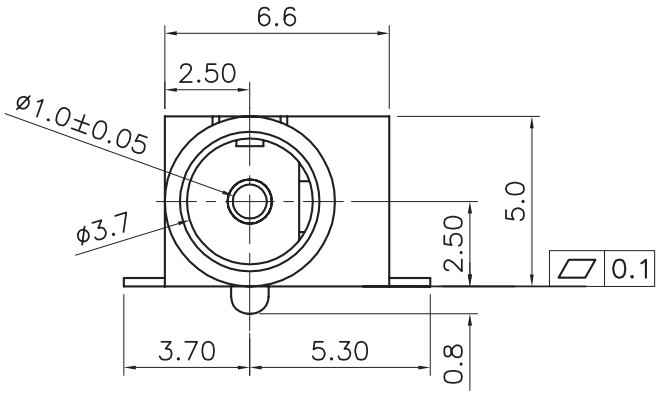


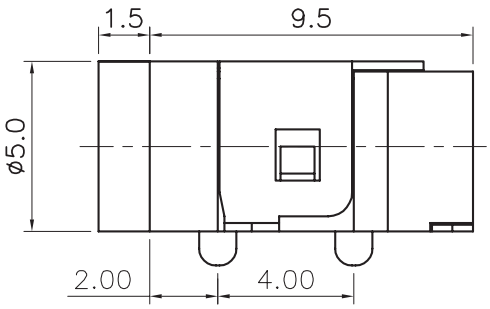
MECHANICAL DRAWING

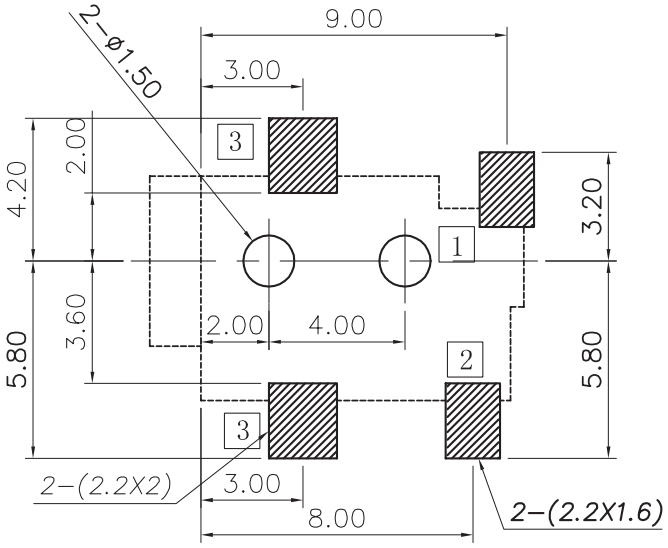
units: mm
tolerance:
X.X ±0.38 mm
X.XX ±0.30 mm
X.XXX ±0.20 mm
PCB: ±0.05 mm
unless otherwise specified



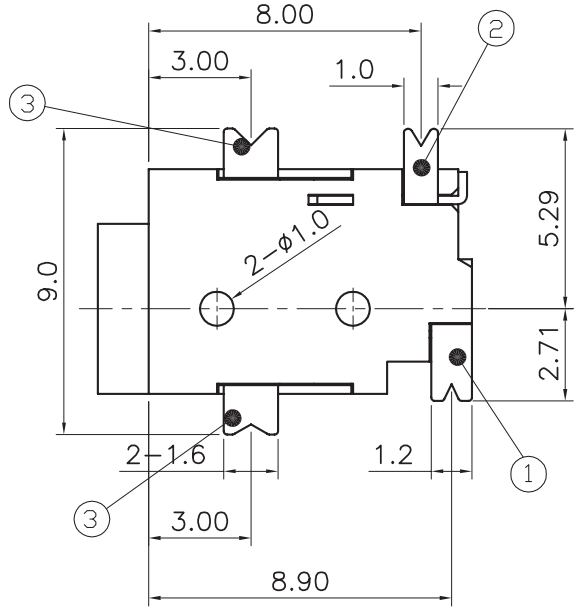
DESCRIPTION	MATERIAL	PLATING/COLOR
center pin	copper alloy	silver over nickel
terminal 1	copper alloy t=0.20	silver over nickel
terminal 2	copper alloy t=0.25	silver over nickel
terminal 3	copper alloy t=0.25	silver over nickel
housing	PPA (UL94V-0)	black

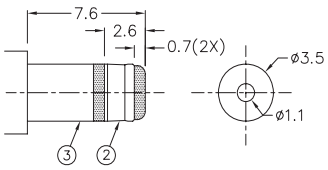




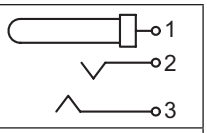


Recommended PCB Layout
Top View





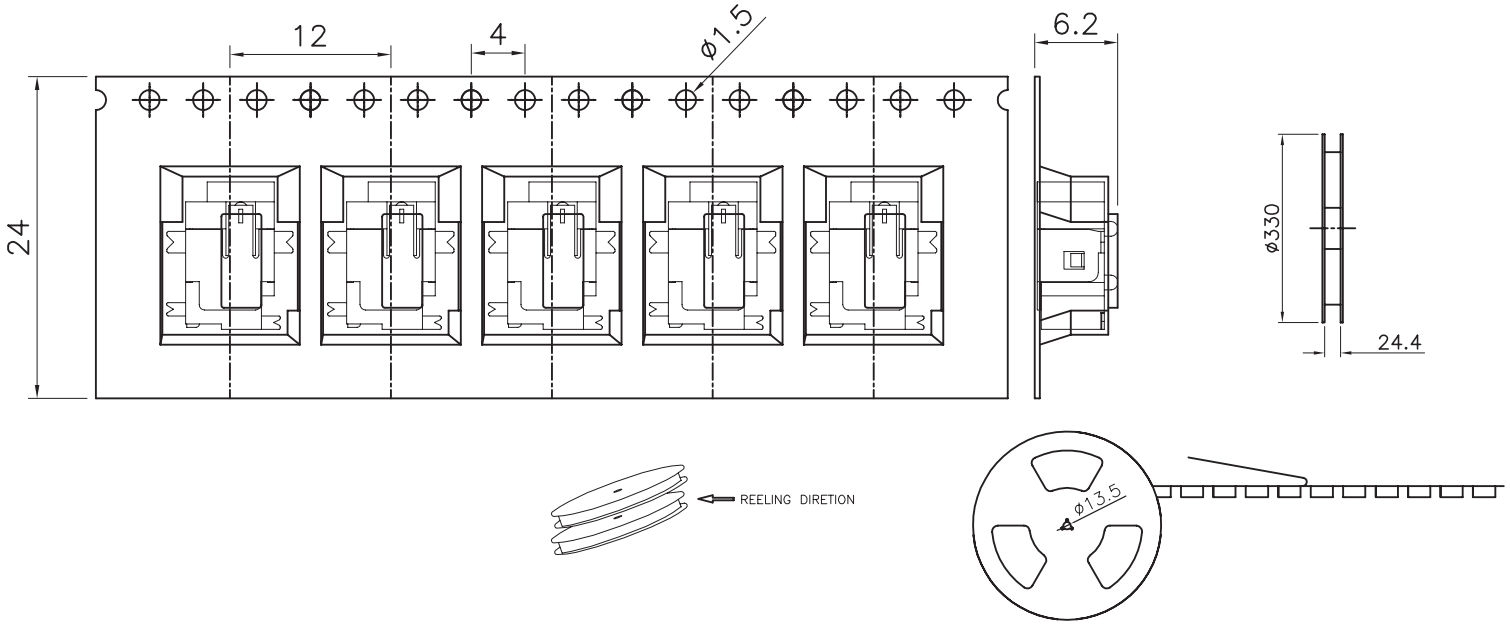
MATING PLUG
Jack Insertion Depth: 7.6 mm

SCHEMATIC	
Model	PJ-035-SMT
Center Pin	Ø1.0 mm

PACKAGING

units: mm

Reel Size: Ø330 mm
Reel QTY: 1,000 pcs per reel



REVISION HISTORY

rev.	description	date
1.0	initial release	02/02/2007
1.01	updated schematic	09/27/2007
1.02	added TR package option and jack insertion depth	11/07/2012
1.03	applied new spec template	08/30/2013
1.04	increased voltage rating	04/14/2016
1.05	added storage and drying conditions, and tape and reel packaging details	08/18/2017
1.06	product mold modified, pin #2 thickness increased to 0.25 mm	05/21/2019
1.07	brand update	10/23/2019
1.08	logo, datasheet style update	08/05/2022
1.09	product reengineered for improved manufacturability and production yield, see PCN for details	05/30/2023
1.10	CUI Devices rebranded to Same Sky	09/12/2024

The revision history provided is for informational purposes only and is believed to be accurate.

same sky

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Same Sky 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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SJ-2523-SMT-TR TBP01R1-508-14BE CMM-2718AT-42316-TR CPM-2H CPT-1117-83-SMT-TR PJ-058AH
CBT-09427-SMT-TR CMA-4544PF-W TBL004V-508-02BE-2GY CDM1222-12A-FW-F16-050-67 SJ1-3535N
CFM-6015V-239-292-20 CMC-5042PF-AC DS04-254-2-02BK-SMT PJ-067B PJ-202AH
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