CUI Devices is now Same Sky! Learn More

MODEL: PJ-018H-SMT-TR | DESCRIPTION: DC POWER JACK

FEATURES

- 1.65 mm center pin
- 5.0 A rating
- right angle orientation
- surface mount (SMT)



RoHS

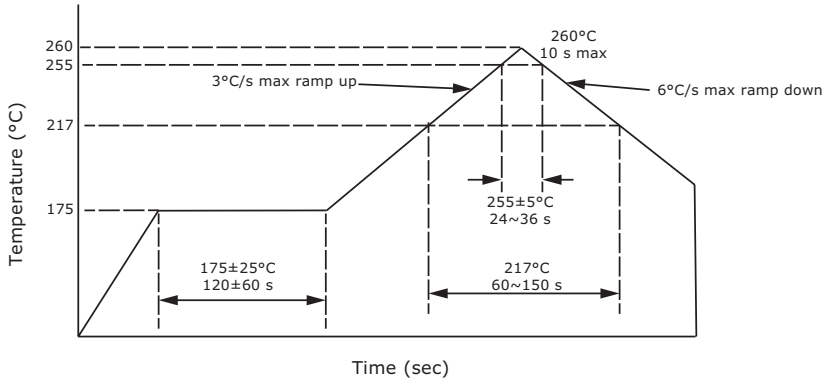
SPECIFICATIONS

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		-40		85	°C
storage temperature		-40		85	°C
life			5,000		cycles
flammability rating	UL94V-0				
RoHS	yes				

SOLDERABILITY

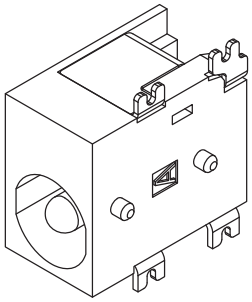
parameter	conditions/description	min	typ	max	units
reel storage	reel opened & unsused parts repacked within 2 hours: ≤30°C, ≤60% humidity reel unopened, 1 year shelf life: ≤30°C, ≤85% humidity				
reflow soldering	see reflow profile			260	°C
drying conditions	parts removed from reel over 6 hours: bake at 40°C for 6 hours				

Note: 1. CUI Devices recommends usage of the product within 2 hours after T&R is opened. After 6 hours, CUI Devices recommends drying the parts prior to use.

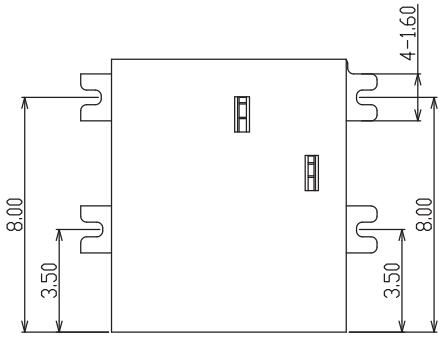


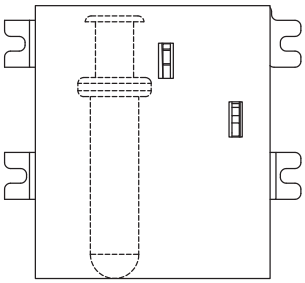
MECHANICAL DRAWING

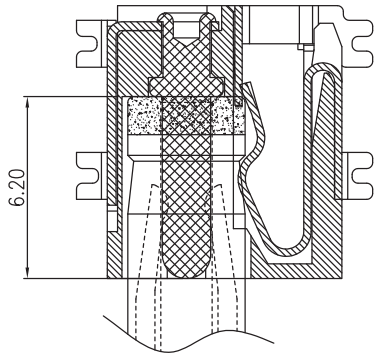
units: mm
tolerance:
X.X ±0.30 mm
X.XX ±0.20 mm
X.XXX ±0.10 mm
PCB: ±0.05 mm
unless otherwise specified

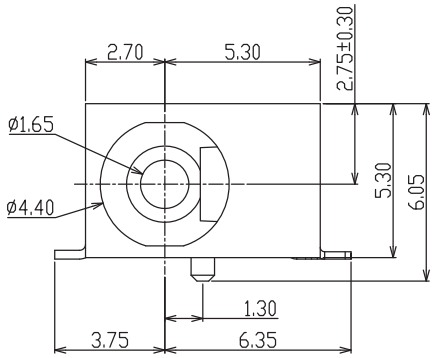


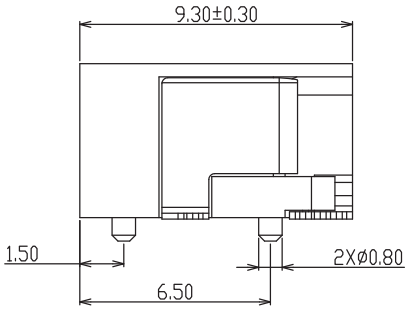
DESCRIPTION	MATERIAL	PLATING/COLOR
center pin	H62	nickel
terminal 1	brass t=0.30	silver
terminal 2	C5210R-EH t=0.25	silver
terminal 3	brass t=0.25	silver
housing	PA9T (UL94V-0)	black

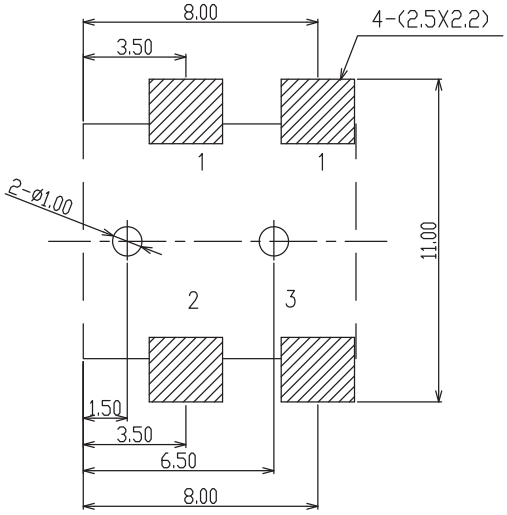




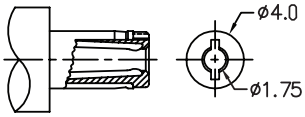




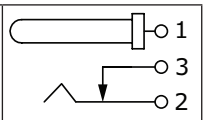




Recommended PCB Layout
Top View



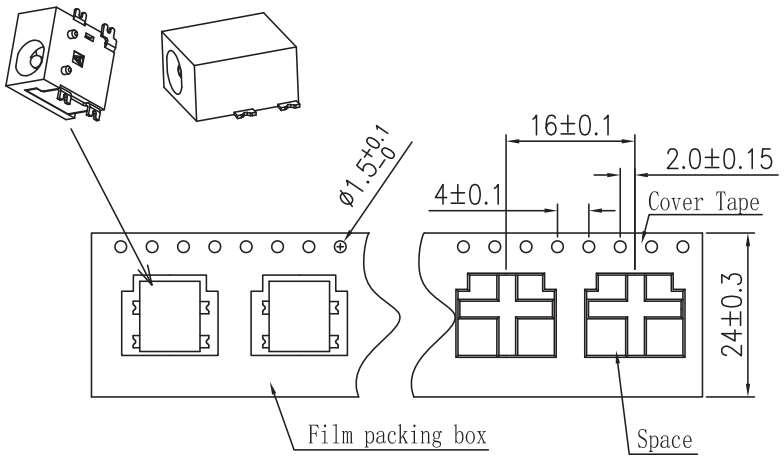
MATING PLUG
Jack Insertion Depth: 6.2 mm

SCHEMATIC	
Model	PJ-018H-SMT-TR
Center Pin	Ø1.65 mm

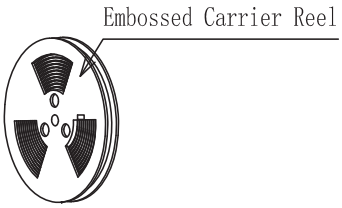
PACKAGING

units: mm

Reel Size: Ø330 mm
Reel QTY: 600 pcs per reel



1 Film packing box=1×600pcs
=600pcs



1 Embossed Carrier Reel Dimension
=D×H
=330×29.1

REVISION HISTORY

rev.	description	date
1.0	initial release	02/05/2007
1.01	added TR package option and jack insertion depth	11/07/2012
1.02	applied new spec template	08/21/2013
1.03	increased voltage rating	04/14/2016
1.04	added storage and drying conditions, and tape and reel packaging details	10/11/2017
1.05	brand update	10/25/2019
1.06	logo, datasheet style update	08/05/2022
1.07	product reengineered for improved manufacturability and production yield, see PCN for details	03/03/2023
1.08	increased center pin length	07/24/2024
1.09	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

Same Sky offers a one (1) year limited warranty. Complete warranty information is listed on our website.

Same Sky reserves the right to make changes to the product at any time without notice. Information provided by Same Sky is believed to be accurate and reliable. However, no responsibility is assumed by Same Sky for its use, nor for any infringements of patents or other rights of third parties which may result from its use.

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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