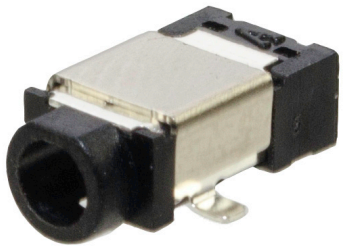
CUI Devices is now Same Sky! Learn More

MODEL: PJ-038-SMT-TR | DESCRIPTION: DC POWER JACK

FEATURES

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



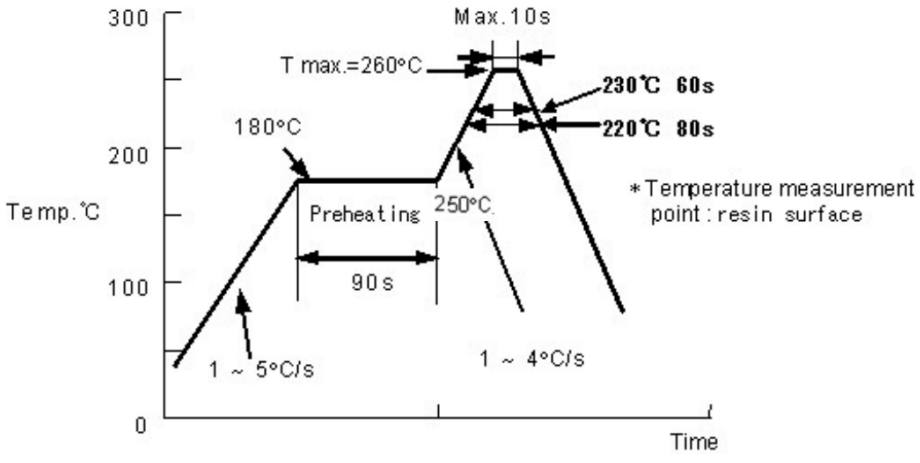
RoHS

SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
rated input voltage			24		Vdc
rated input current				1.0	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

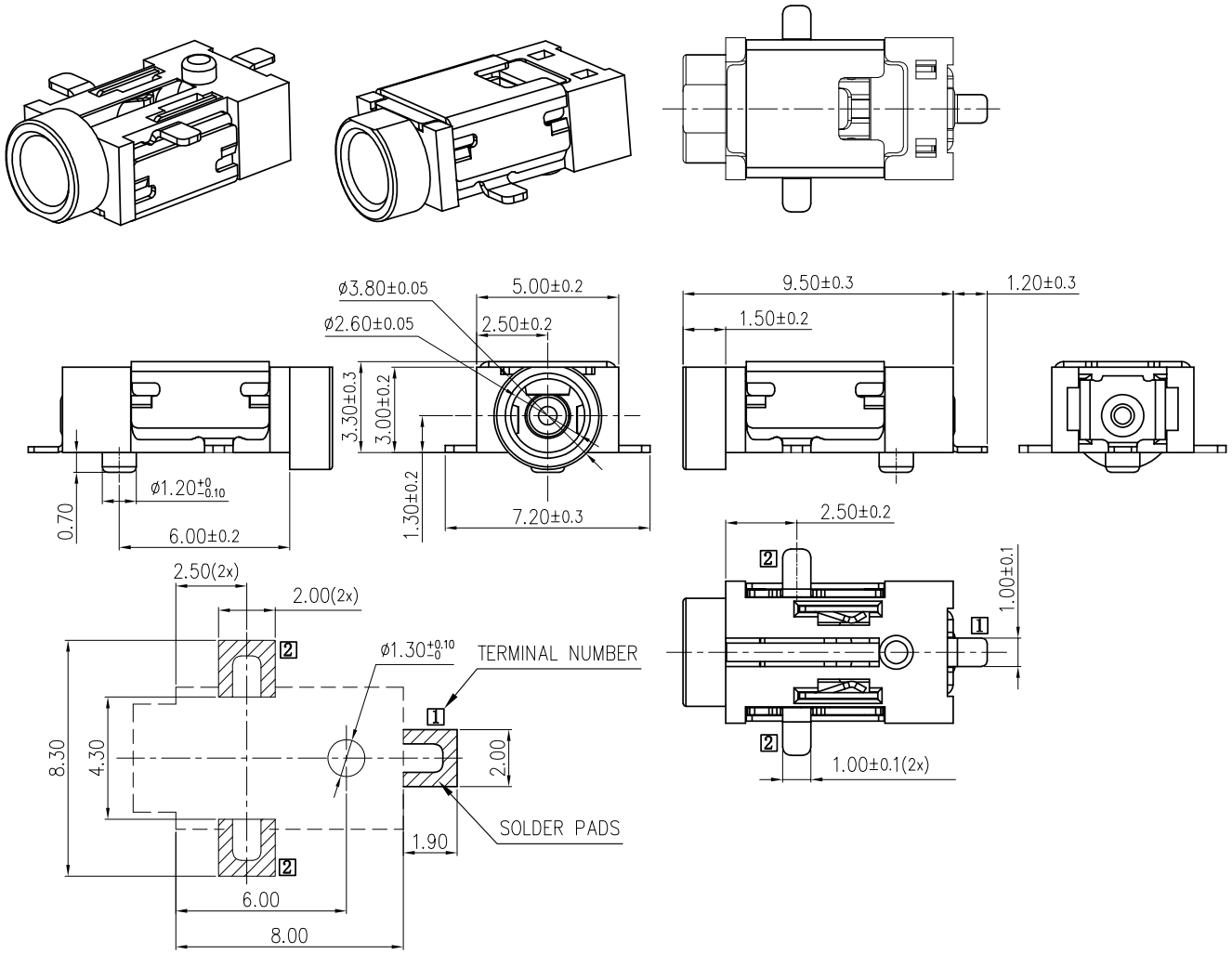
parameter	conditions/description	min	typ	max	units
reel storage	5~35°C, <75% humidity				°C
reflow soldering	see reflow profile			260	°C
drying conditions	bake at 120°C for 4 hours				



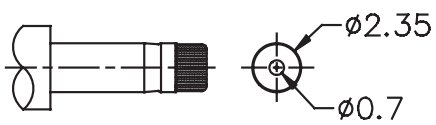
MECHANICAL DRAWING

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

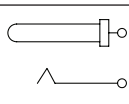
DESCRIPTION	MATERIAL	PLATING/COLOR
center pin	copper	nickel
terminal 1	brass	8 µ“ silver over 40 µ“ nickel
terminal 2	copper alloy	8 µ“ silver over 40 µ“ nickel
shield	copper alloy	
spring	stainless steel	
housing	PA10T (UL94V-0)	black



Recommended PCB Layout
Top View



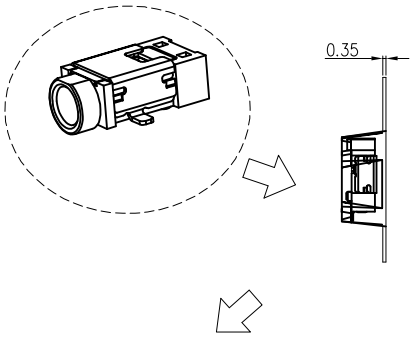
MATING PLUG
Jack Insertion Depth: 7.7 mm

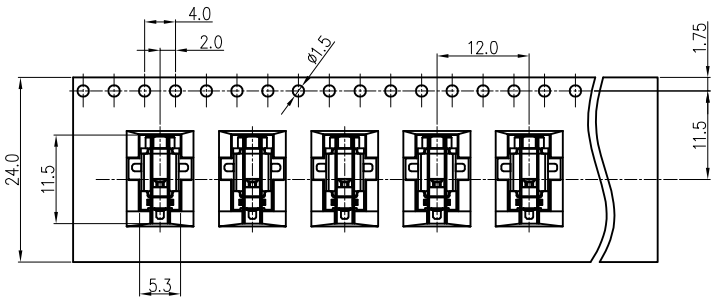
SCHEMATIC	
Model	PJ-038-SMT-TR
Center Pin	Ø0.65 mm

PACKAGING

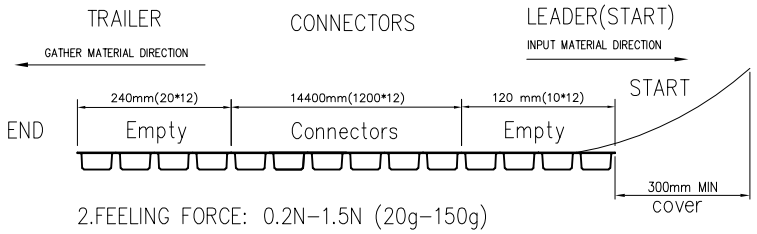
units: mm

Reel Size: Ø330 mm
Reel QTY: 1,200 pcs per reel

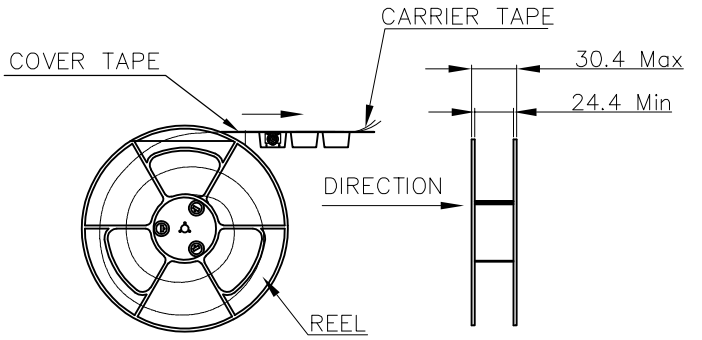


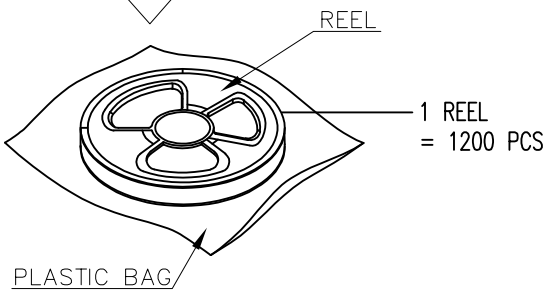


NOTE:
1.CARRIER TAPE PACKING LENGTH



2.FEELING FORCE: 0.2N–1.5N (20g–150g)





REVISION HISTORY

rev.	description	date
1.0	initial release	02/02/2007
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	changed housing, added storage and drying conditions, and tape and reel packaging details	01/03/2018
1.05	brand update	10/21/2019
1.06	changed shield material to be stainless steel	04/02/2020
1.07	logo, datasheet style update	08/05/2022
1.08	product reengineered for improved manufacturability and production yield, see PCN for details	01/10/2023
1.09	product reengineered for improved manufacturability and production yield, see PCN for details	08/14/2024
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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