



**MODEL:** SJ1-42516-SMT-TR | **DESCRIPTION:** AUDIO JACK

**FEATURES**

- right angle
- plastic bushing
- gold flash



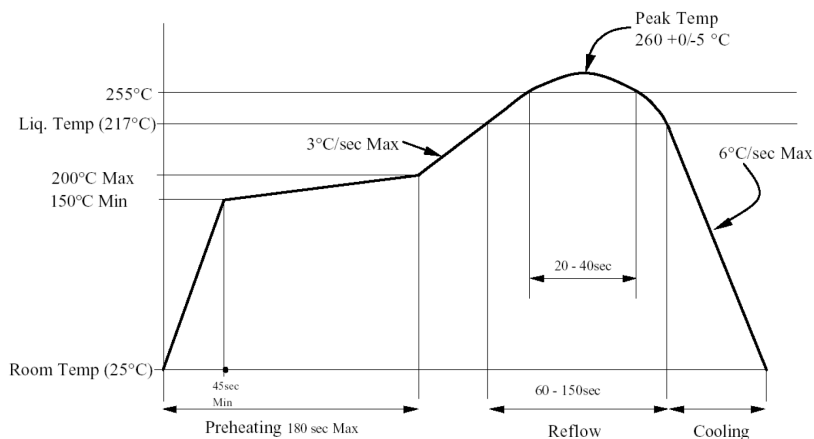
**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
rated input voltage			12		Vdc
rated input current				1	A
contact resistance	between terminal and mating plug between terminal in a closed circuit			100 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**

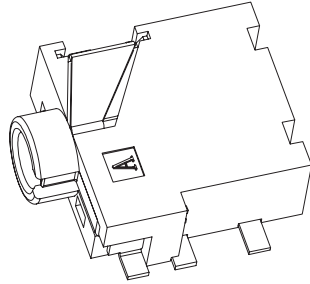
parameter	conditions/description	min	typ	max	units
reel storage	5~25°C, 20~75% humidity				
reflow soldering	see reflow profile	255	260		°C

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

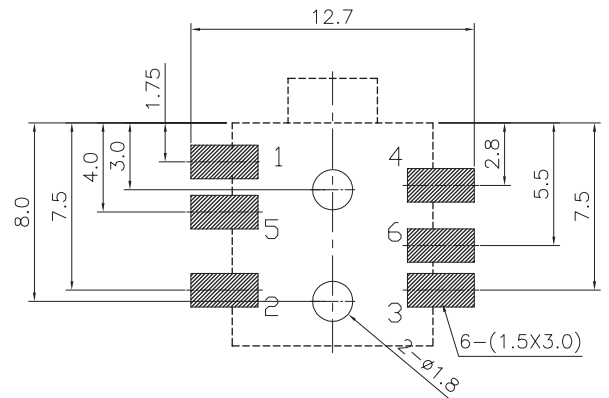
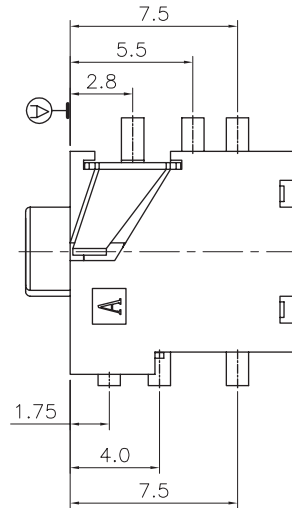


## MECHANICAL DRAWING

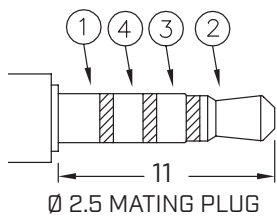
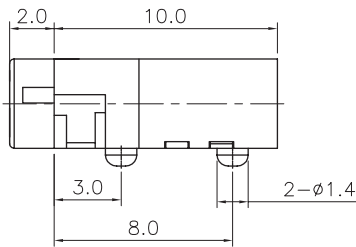
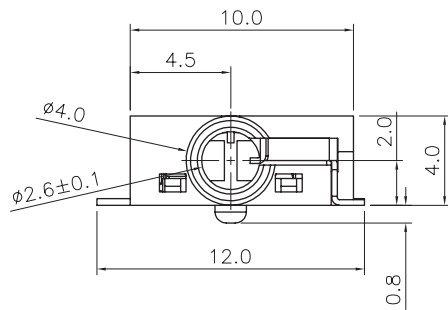
units: mm  
 tolerance:  
 X.X ±0.30 mm  
 X.XX ±0.25 mm  
 X.XXX ±0.20 mm  
 PCB: ±0.05 mm  
 unless otherwise specified



DESCRIPTION	MATERIAL	PLATING/COLOR
terminal 1	C5191 t=0.25	gold flash
terminal 2	C5191 t=0.20	gold flash
terminal 3	C5191 t=0.20	gold flash
terminal 4	C5191 t=0.30	gold flash
terminal 5	C2680 t=0.30	gold flash
terminal 6	C2680 t=0.30	gold flash
housing	PA9T [UL94V-0]	black



Recommended PCB Layout  
Top View



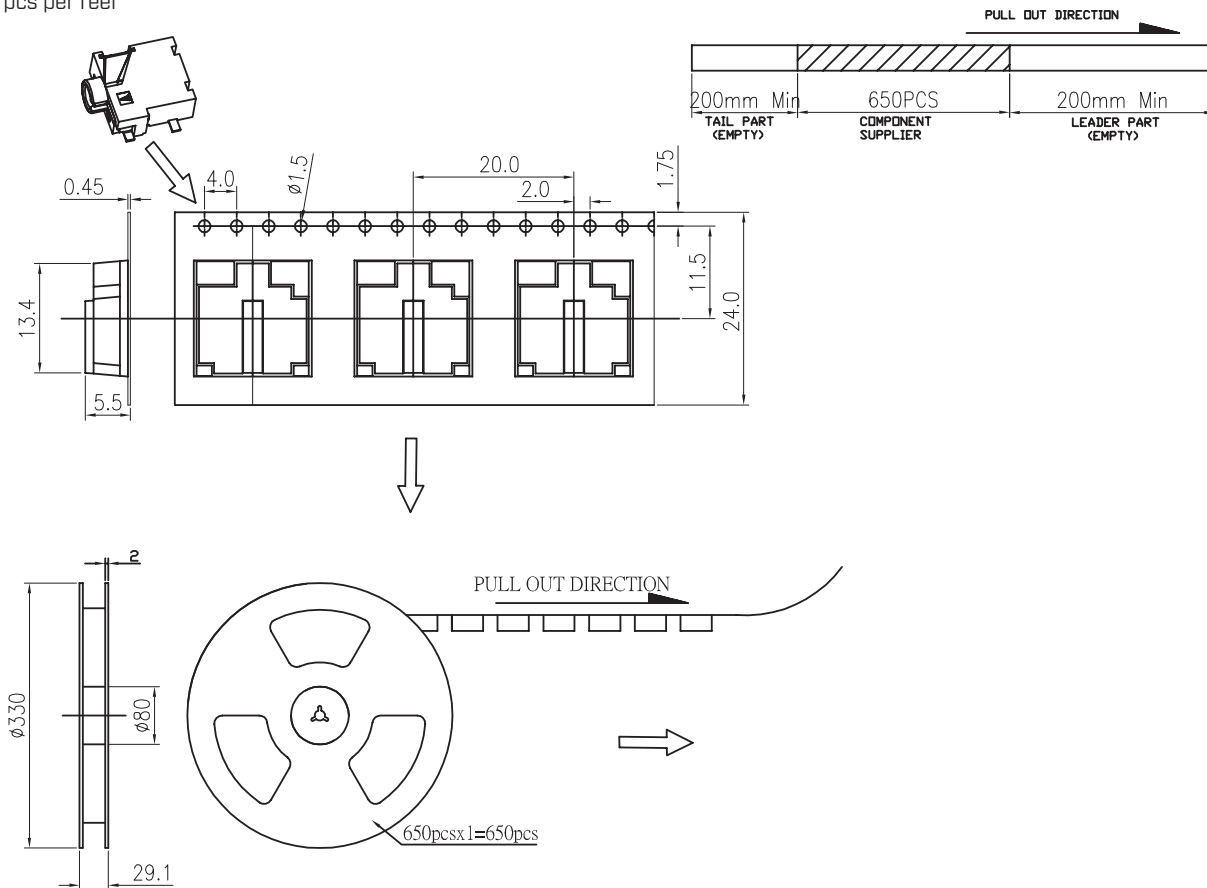
Model No.	SJ1-42516-SMT
Schematic	
PIN	
1	sleeve
2	tip
3	ring 1
4	ring 2
5	tip switch
6	ring switch

## PACKAGING

units: mm

Reel Size:  $\varnothing 330$  mm

Reel QTY: 650 pcs per reel



## REVISION HISTORY

rev.	description	date
1.0	initial release	10/27/2005
1.01	new template applied	02/17/2012
1.02	added TR package option	11/01/2012
1.03	added storage and drying conditions, and tape and reel packaging details	01/03/2018
1.04	brand update	10/04/2019
1.05	discontinued models SJ1-42515TS-SMT-TR, SJ1-42515RS-SMT-TR & SJ1-42514-SMT-TR ; logo, datasheet style update	08/18/2022
1.06	product reengineered for improved manufacturability and production yield, see PCN for details	09/14/2023

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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