



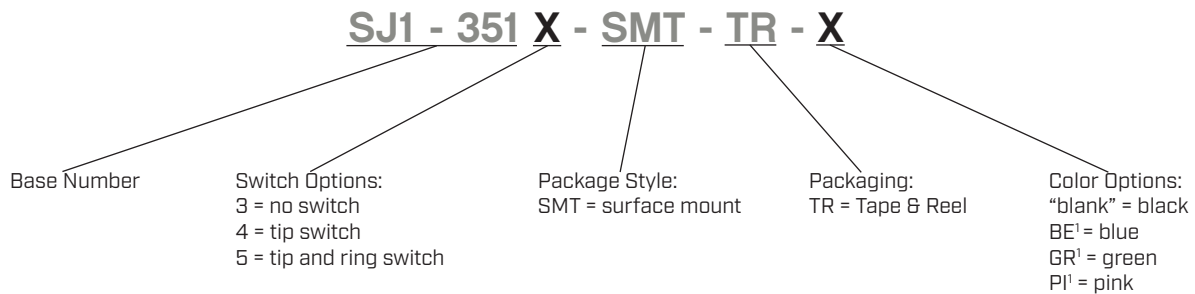
**THE DATASHEET OF  
SJ1-3515-SMT-TR**



**SERIES:** SJ1-351X-SMT | **DESCRIPTION:** AUDIO JACK

**FEATURES**

- low profile design
- switch options include: no switch, tip switch, tip & ring switch
- gold flash
- plastic housing


**PART NUMBER KEY**


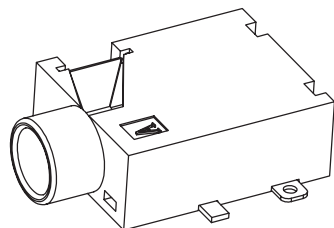
Notes: 1. Tip and ring switch model only

**SPECIFICATIONS**

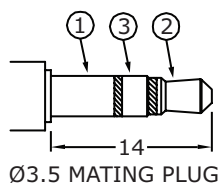
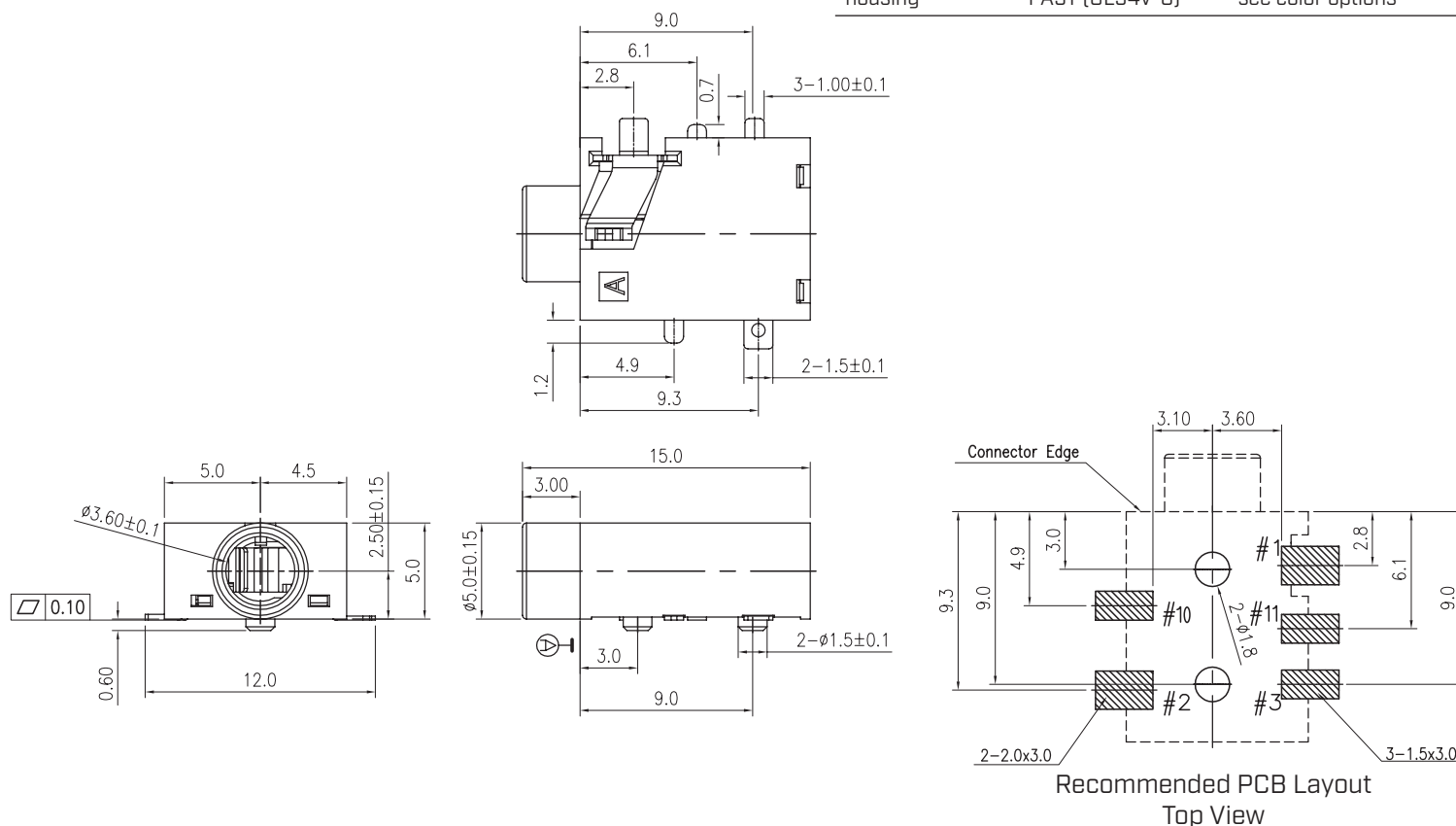
parameter	conditions/description	min	typ	max	units
rated input voltage			12		Vdc
rated input current				1	A
contact resistance	between terminal and mating plug between terminal in a closed circuit			50 30	mΩ mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand	for 1 minute			500	Vac
insertion/withdrawal force		0.3		3	kg
operating temperature		-25		85	°C
life			5,000		cycles
flammability rating	UL94V-0				
RoHS	yes				

## 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	phosphor bronze t=0.30	gold flash over nickel
terminal 2	phosphor bronze t=0.20	gold flash over nickel
terminal 3	phosphor bronze t=0.20	gold flash over nickel
terminal 10	brass t=0.20	gold flash over nickel
terminal 11	brass t=0.20	gold flash over nickel
cover	PA9T (UL94V-0)	see color options
housing	PA9T (UL94V-0)	see color options

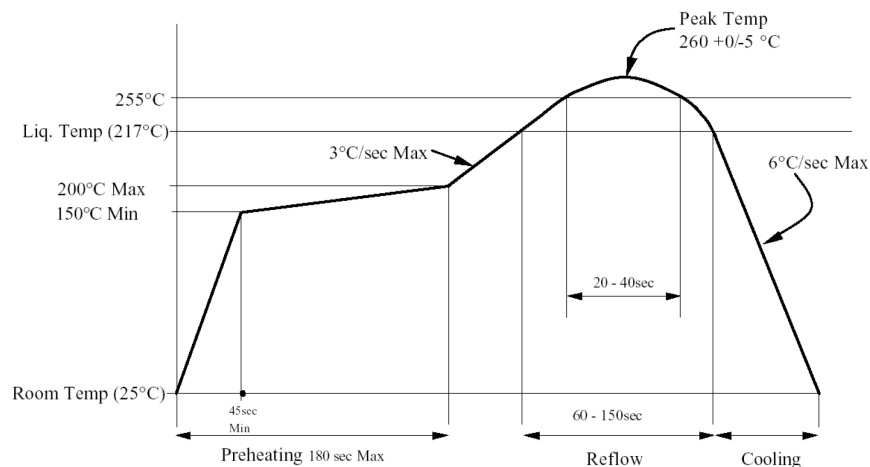


Model No.	SJ1-3513-SMT	SJ1-3514-SMT	SJ1-3515-SMT
Schematic			
PIN			
1	sleeve	sleeve	sleeve
2	tip	tip	tip
3	ring	ring	ring
10	NP	tip switch	tip switch
11	NP	NP	ring switch

## SOLDERABILITY

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

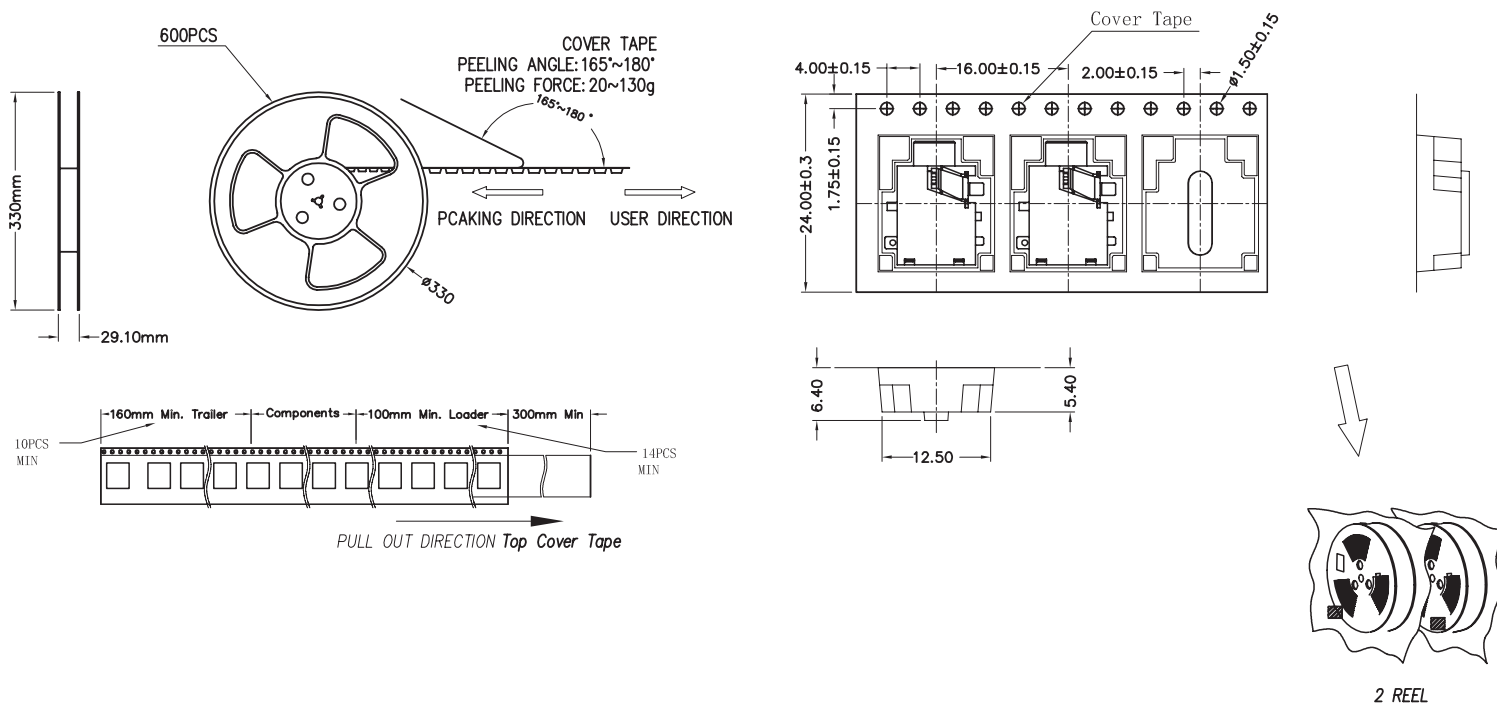
Note: 2. CUI Devices recommends usage of the product within 24 hours after T&R is opened. After 24 hours, CUI Devices recommends drying the parts prior to use.



## PACKAGING

units: mm

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



## REVISION HISTORY

rev.	description	date
1.0	initial release	11/21/2005
1.01	new template applied	01/27/2012
1.02	added TR package and color options	11/01/2012
1.03	updated datasheet	05/01/2015
1.04	added model, updated datasheet	12/19/2016
1.05	added storage and drying conditions	02/15/2018
1.06	brand update	10/09/2019
1.07	discontinued model SJ1-3513C-SMT-TR; logo, datasheet style update	08/17/2022
1.08	product reengineered for improved manufacturability and production yield, see PCN for details	03/08/2023

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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