

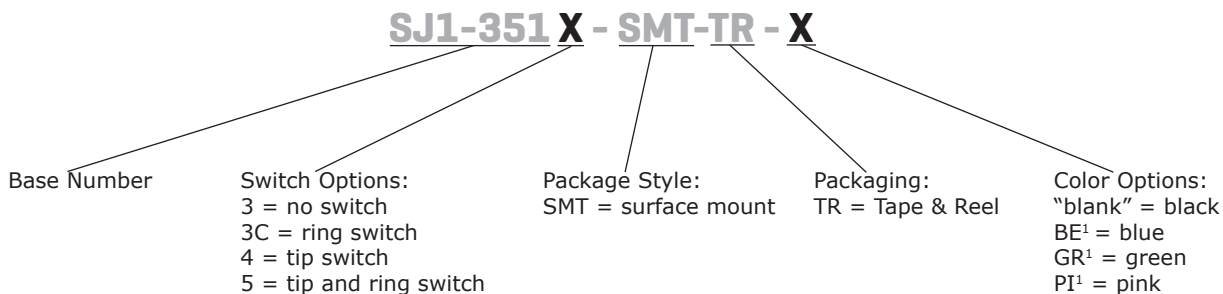
SERIES: SJ1-351X-SMT | **DESCRIPTION:** AUDIO JACK

FEATURES

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



PART NUMBER KEY



Note: 1. Tip and ring switch model only

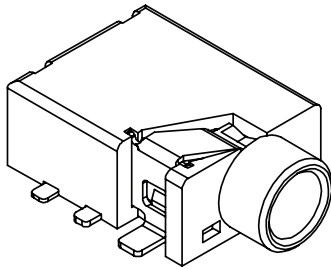
SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
rated input voltage			12		Vdc
rated input current				1	A
contact resistance ²	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	at a rate of 24 cycles/minute		5,000		cycles
flammability rating	UL94V-0				
RoHS	2011/65/EU				

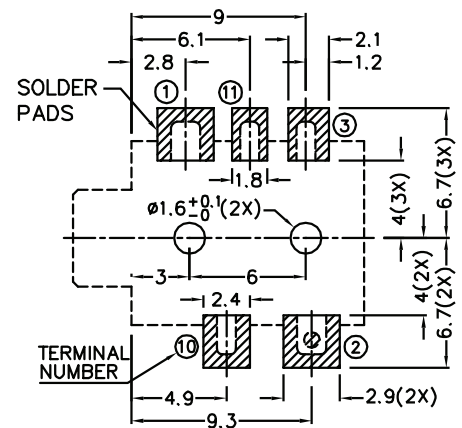
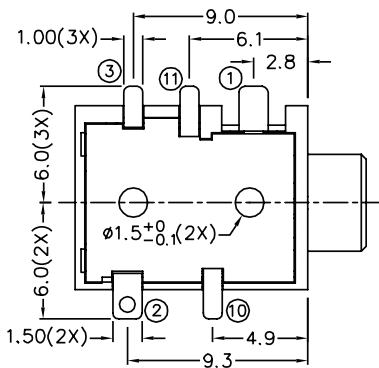
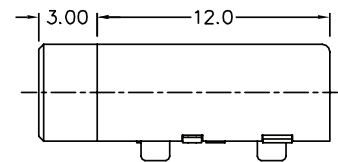
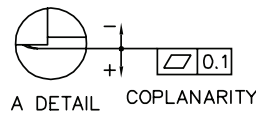
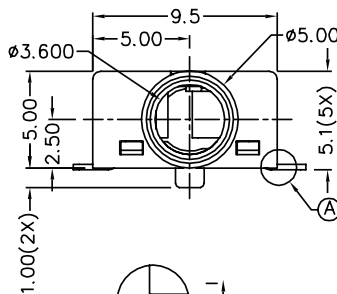
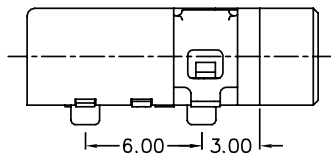
Note: 2. When measured at a current of less than 100 mA/1 kHz
3. All specifications measured at 10~35°C, humidity at 45~85%, under standard atmospheric pressure, unless otherwise noted.

MECHANICAL DRAWING

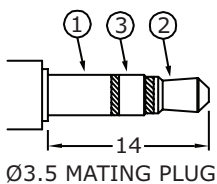
units: mm
 tolerance:
 X.X ±0.2 mm
 X.XX ±0.10 mm
 X.XXX ±0.050 mm
 PCB: ±0.05 mm



	MATERIAL	PLATING
terminal 1	copper alloy	gold flash
terminal 2	copper alloy	gold flash
terminal 3	copper alloy	gold flash
terminal 10	brass	gold flash
terminal 11	brass	gold flash
plastic	PA10T	



Recommended PCB Layout
Top View

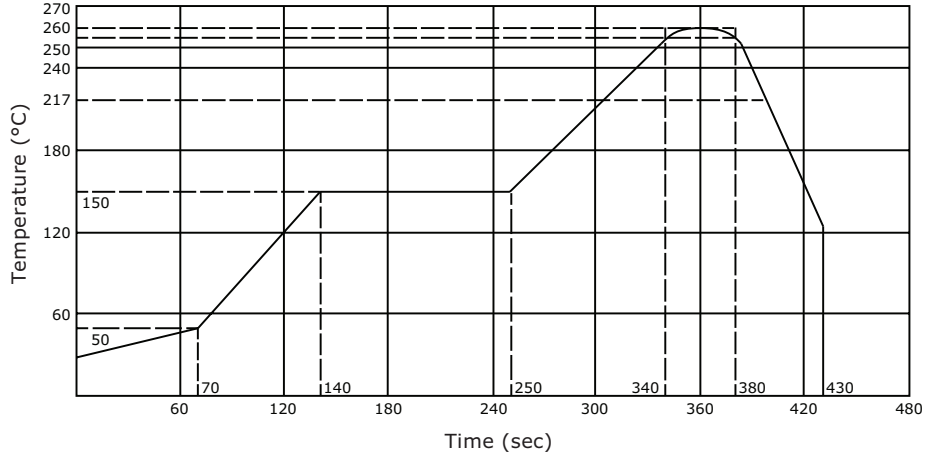


Model No.	SJ1-3513-SMT	SJ1-3513C-SMT	SJ1-3514-SMT	SJ1-3515-SMT
Schematic				
PIN				
1	sleeve	sleeve	sleeve	sleeve
2	tip	tip	tip	tip
3	ring	ring	ring	ring
10	NP	NP	tip switch	tip switch
11	NP	ring switch	NP	ring switch

SOLDERABILITY

parameter	conditions/description	min	typ	max	units
reel storage	at relative humidity <80%			40	°C
reflow soldering ¹	see reflow profile	255	260	265	°C
drying conditions ²	parts in reel: bake at 40°C ±5°C for 72 hours parts removed from reel: bake at 40°C ±5°C for 10 hours				

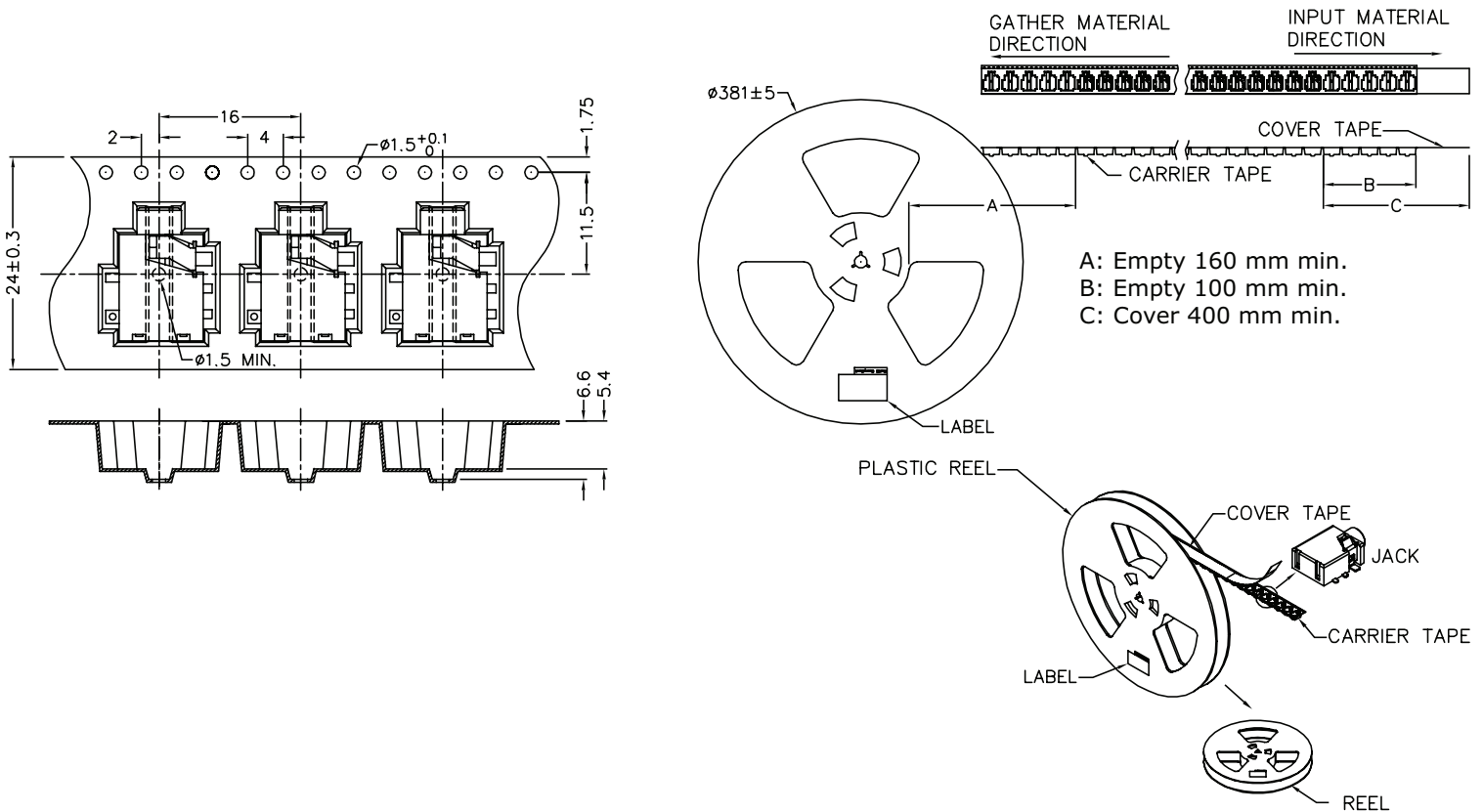
- Note:
1. Must reflow solder within 72 hours from opening vacuum packaging at a temperature <30°C & relative humidity <60%.
 2. When exceeding floor life by >72 hours.



PACKAGING

units: mm

Reel Size: Ø381 mm
Reel QTY: 800 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

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



CUI INC[®]

Headquarters
20050 SW 112th Ave.
Tualatin, OR 97062
800.275.4899

Fax 503.612.2383
cui.com
techsupport@cui.com

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

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

CUI 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.