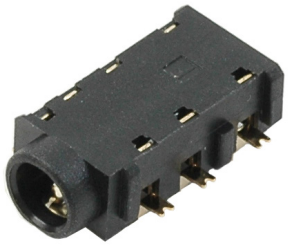
CUI DEVICES

SERIES: SJ-4361X-SMT | **DESCRIPTION:** MID MOUNT AUDIO JACK

FEATURES

- mid mount for low profile applications
- 4 conductor
- multiple switch configurations



RoHS

PART NUMBER KEY

SJ-4361 X-SMT-TR

- Base Number
- Switch Options
  - 4 = no switch
  - 5RS = ring switch
  - 5TS = tip switch
  - 6 = tip and ring switch
  - 7 = tip, ring 1, and ring 2 switch
- Packaging:
  - TR = Tape & Reel

SPECIFICATIONS

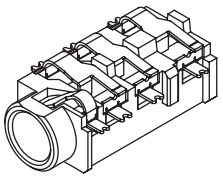
parameter	conditions/description	min	typ	max	units
rated input voltage			12		Vdc
rated input current				1	A
contact resistance[1]	between terminal and mating plug between terminal in a closed circuit			50 30	mΩ mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand	for 1 minute			500	Vac
insertion/withdrawal 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	yes				

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

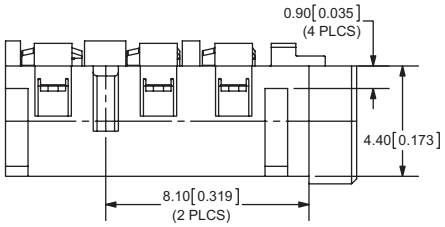
MECHANICAL DRAWING

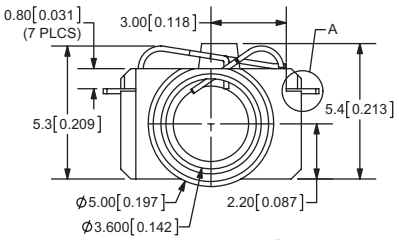
units: mm[inches]

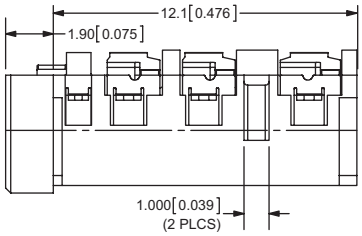
TOLERANCE:
X.X ±0.2mm
X.XX ±0.1mm
X.XXX ±0.05mm
PCB: ±0.05 mm

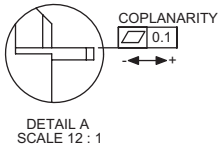


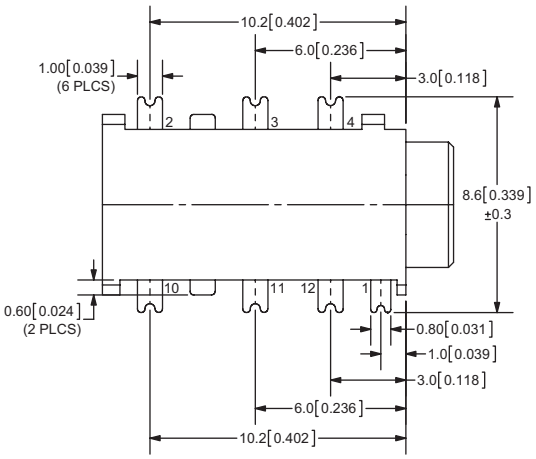
	MATERIAL	PLATING
terminal (1~4)	copper alloy	gold flash
terminal (10~12)	copper alloy	gold flash
plastic	PA6T or equivalent	

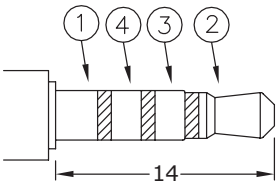




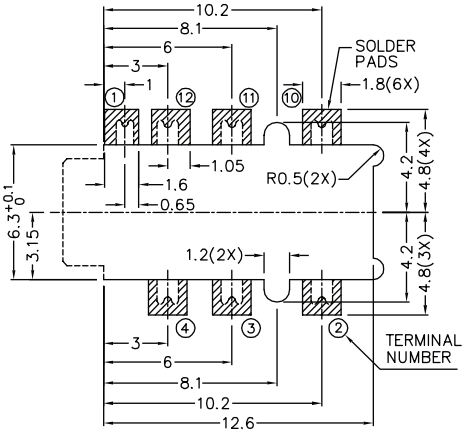




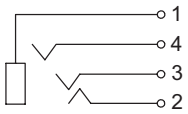
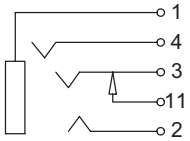
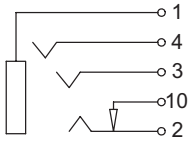
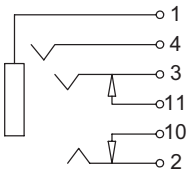
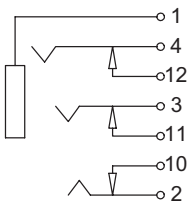


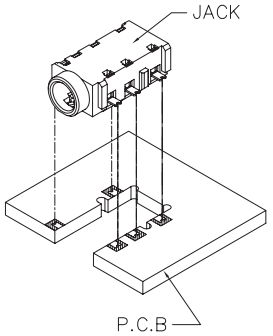


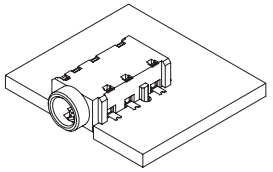
Ø 3.5 MATING PLUG



Recommended PCB Layout
Top View

Model No.	SJ-43614-SMT	SJ-43615RS-SMT	SJ-43615TS-SMT	SJ-43616-SMT	SJ-43617-SMT
Schematic					
PIN					
1	sleeve	sleeve	sleeve	sleeve	sleeve
2	tip	tip	tip	tip	tip
3	ring 1	ring 1	ring 1	ring 1	ring 1
4	ring 2	ring 2	ring 2	ring 2	ring 2
10	NP	NP	tip switch	tip switch	tip switch
11	NP	ring 1 switch	NP	ring 1 switch	ring 1 switch
12	NP	NP	NP	NP	ring 2 switch

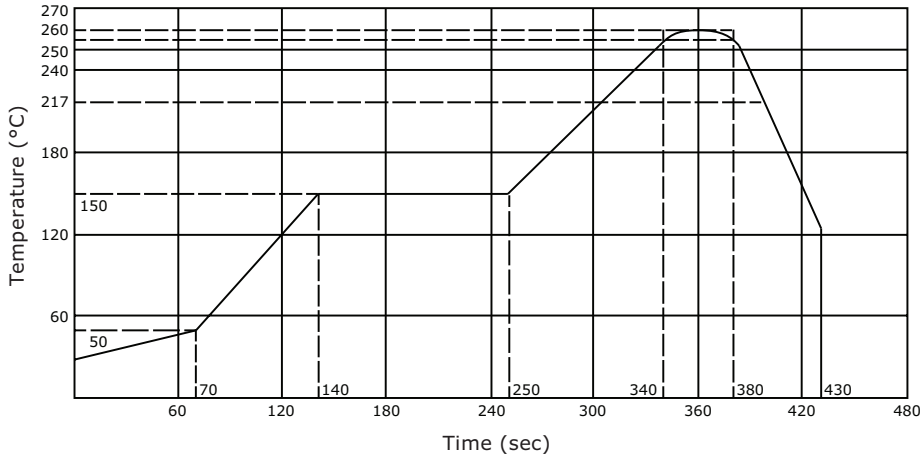




SOLDERABILITY

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				

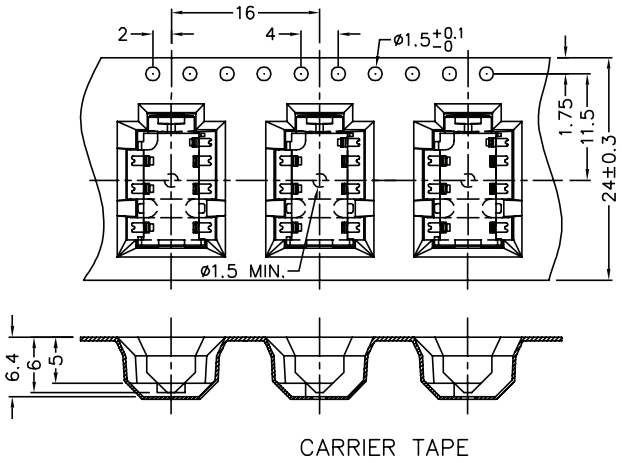
Note: 1. Must reflow solder within 72 hours from opening vacuum packaging at a temperature <30°C & relative humidity <60%.
2. When exceeding floor life by >72 hours.

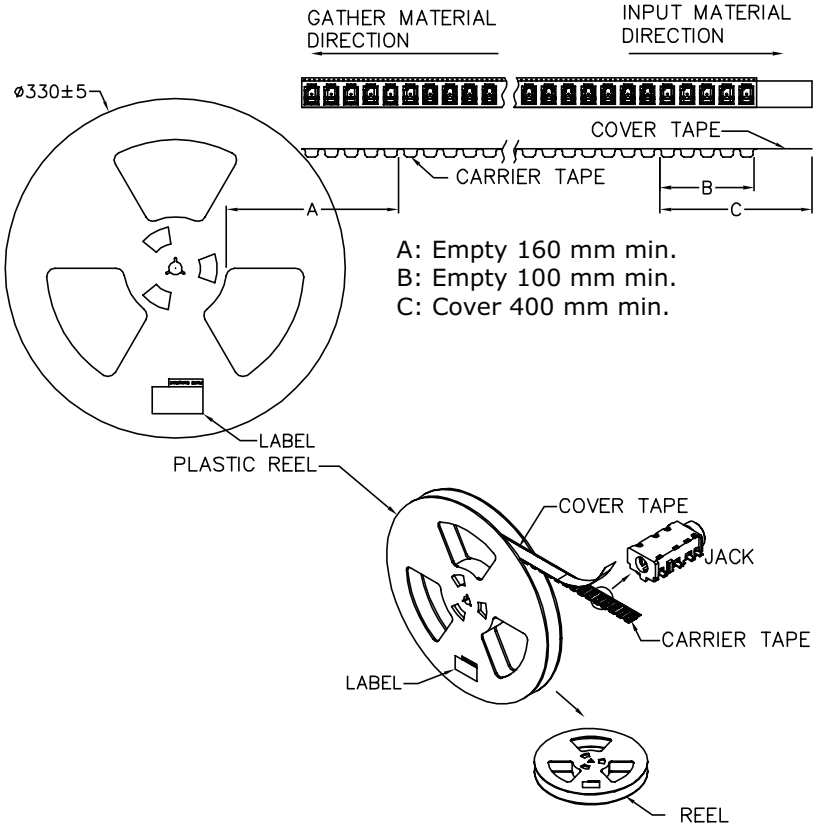


PACKAGING

units: mm

Reel Size: Ø330 mm
Reel QTY: 650 pcs per reel





REVISION HISTORY

rev.	description	date
1.0	initial release	06/27/2011
1.01	new template applied	06/06/2012
1.02	added TR package option	11/01/2012
1.03	updated PCB layout	08/06/2013
1.04	updated drawing	02/20/2015
1.05	added storage and drying conditions, and tape and reel packaging details	02/16/2018
1.06	brand update	10/09/2019

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

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