

**MODEL:** SJ-3542AS-SMT-TR-67 | **DESCRIPTION:** AUDIO JACK**FEATURES**

- IP67 waterproof
- low profile
- surface mount
- reflow solder compatible
- mounting tab
- shielded

**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			50	mΩ
	between terminal in a closed circuit			30	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				
IP level	IP67				

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.

SOLDERABILITY

parameter	conditions/description	min	typ	max	units
reel storage	at relative humidity <80%			40	°C
reflow soldering ³	see reflow profile	245	250	255	°C
drying conditions ⁴	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				

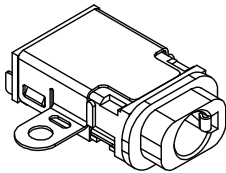
Note:

3. It is recommended to reflow solder within 72 hours from opening vacuum packaging at a temperature <30°C & relative humidity <60%.
4. When exceeding floor life by >72 hours.

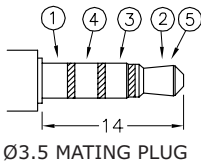
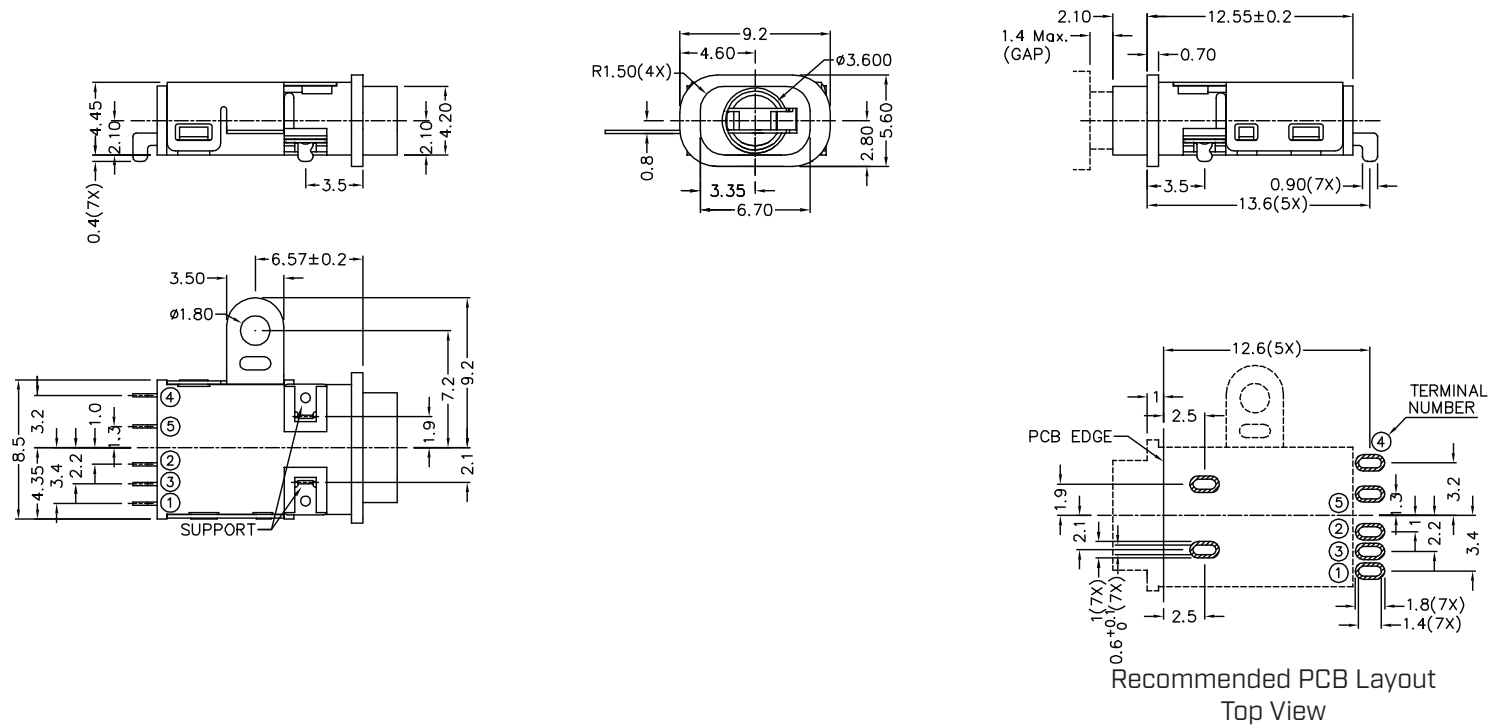


MECHANICAL DRAWING

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

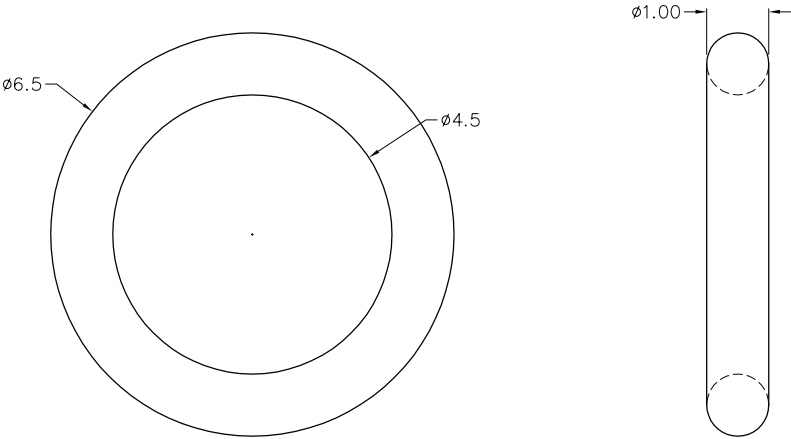


	MATERIAL	PLATING
terminal 1	copper alloy	gold flash
terminal 2	copper alloy	gold flash
terminal 3	copper alloy	gold flash
terminal 4	copper alloy	gold flash
terminal 5	copper alloy	gold flash
shield	stainless steel	
support	brass	silver
insulator	PA10T	
o-ring (OR-10)	silicone	

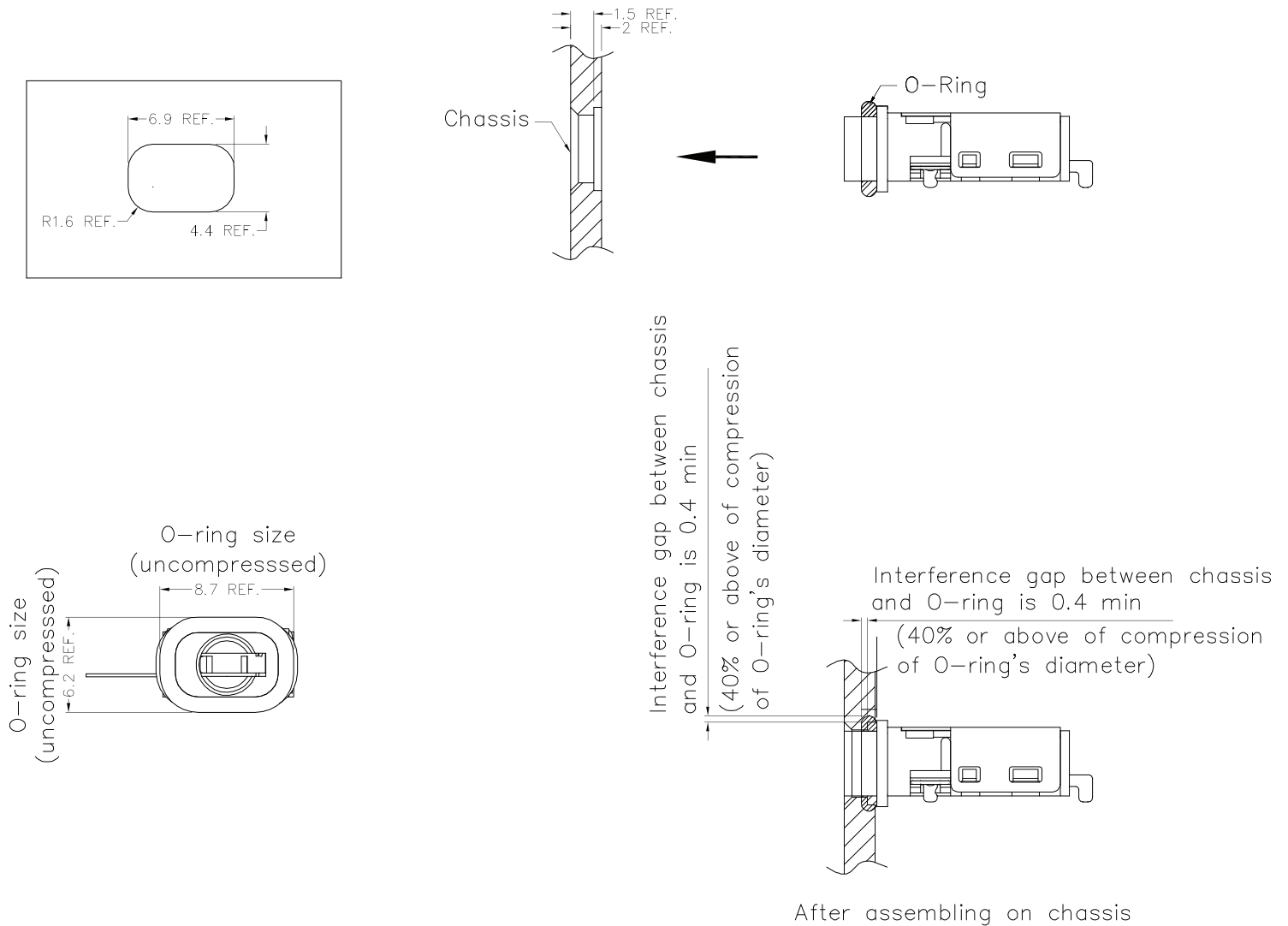


Schematic	
PIN	
1	sleeve
2	tip
3	ring 1
4	ring 2
5	tip

O-ring (P/N: OR-10)



ASSEMBLY REFERENCE

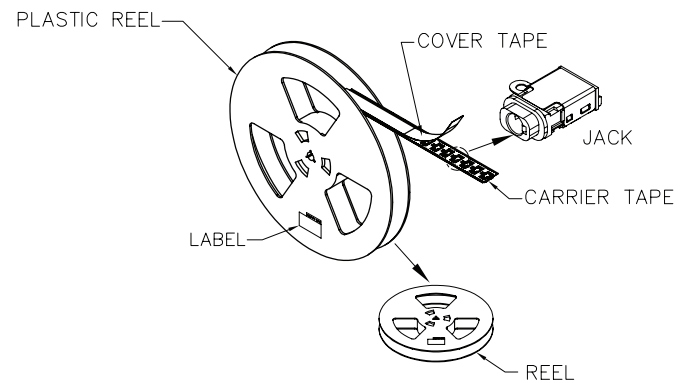
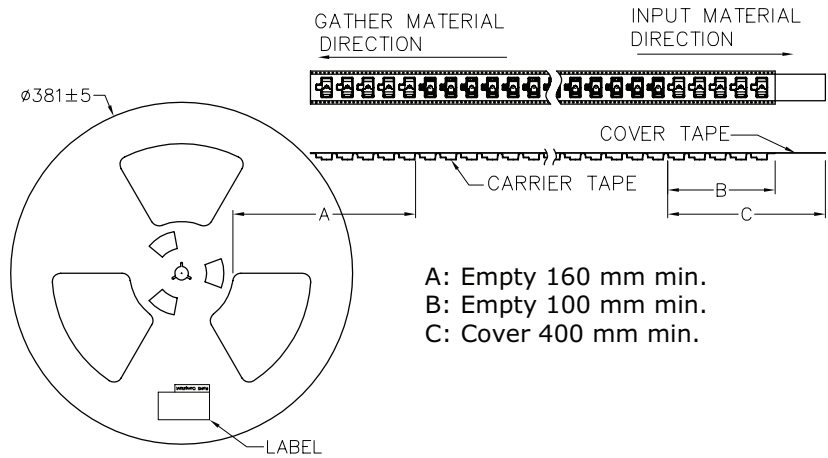
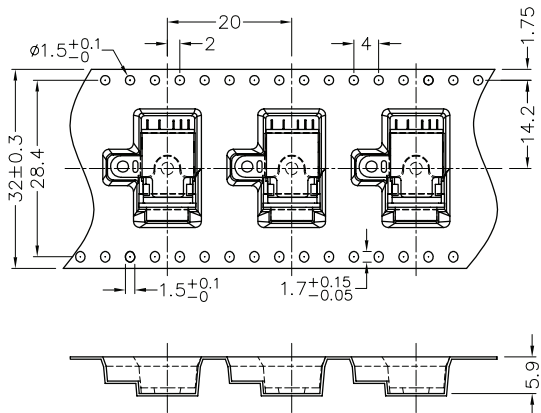


PACKAGING

units: mm

Reel Size: $\varnothing 381$ mm

Reel QTY: 750 pcs per reel



REVISION HISTORY

rev.	description	date
1.0	initial release	08/07/2018
1.01	brand update	10/08/2019
1.02	added o-ring p/n	04/07/2022
1.03	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 offers a one (1) year limited warranty. Complete warranty information is listed on our website.

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