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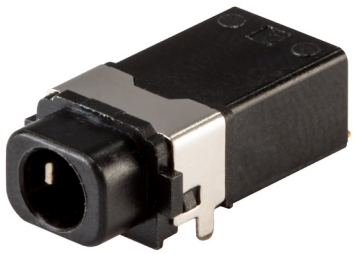
MODEL: SJ-3541AS-SMT-TR-67 | DESCRIPTION: AUDIO JACK

FEATURES

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



SPECIFICATIONS

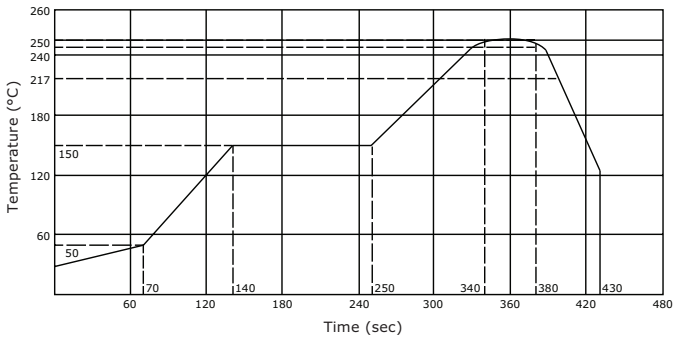
parameter	conditions/description	min	typ	max	units
rated input voltage			12		Vdc
rated input current				1	A
contact resistance[1]	between terminal and mating plug between terminal in a closed circuit			50 30	mΩ mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand	for 1 minute			500	Vac
insertion/withdrawal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

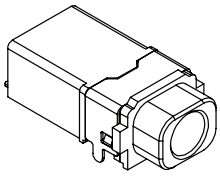
parameter	conditions/description	min	typ	max	units
reel storage	at relative humidity <80%			40	°C
reflow soldering[3]	see reflow profile	245	250	255	°C
drying conditions[4]	parts in reel: bake at 40°C ±5°C for 72 hours parts removed from reel: bake at 40°C ±5°C for 10 hours				

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.

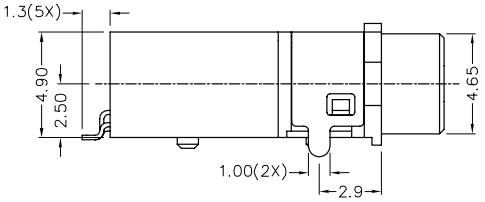


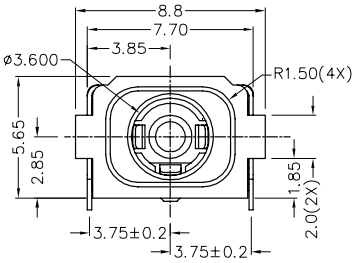
MECHANICAL DRAWING

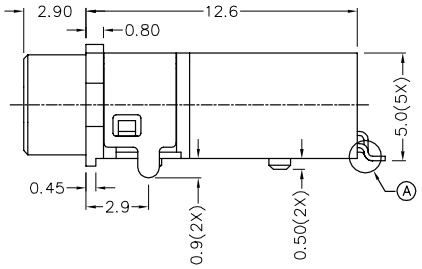
units: mm
tolerance:
X.X ±0.2 mm
X.XX ±0.10 mm
X.XXX ±0.050 mm
PCB: ±0.05 mm

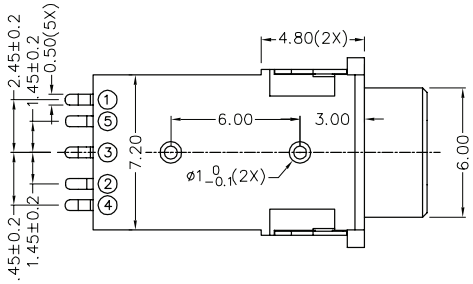


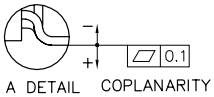
	MATERIAL	PLATING
terminal 1	copper alloy	gold flash
terminal 2	copper alloy	gold flash
terminal 3	copper alloy	gold flash
terminal 4	copper alloy	gold flash
terminal 5	copper alloy	gold flash
shield	brass	nickel
insulator	PA10T	
o-ring (OR-30)	silicone	

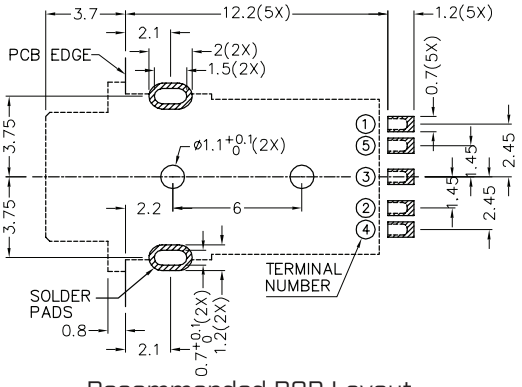




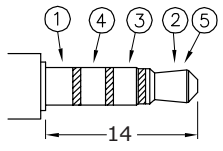




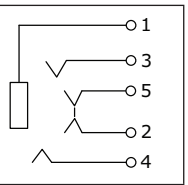




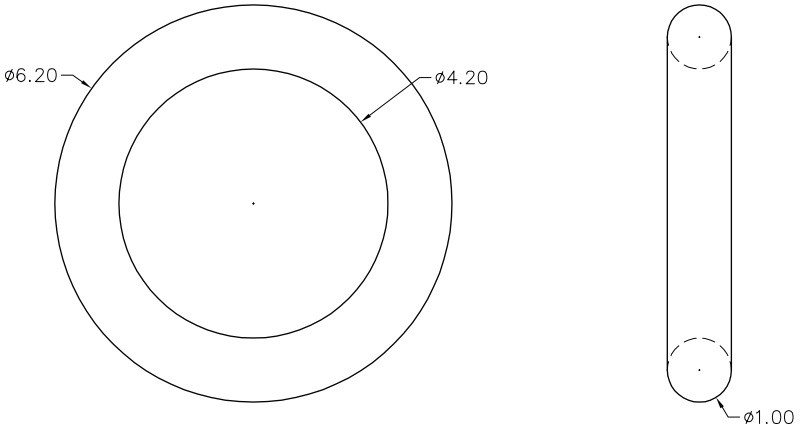
Recommended PCB Layout
Top View



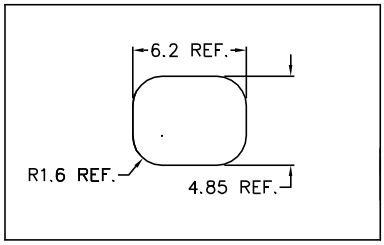
Ø3.5 MATING PLUG

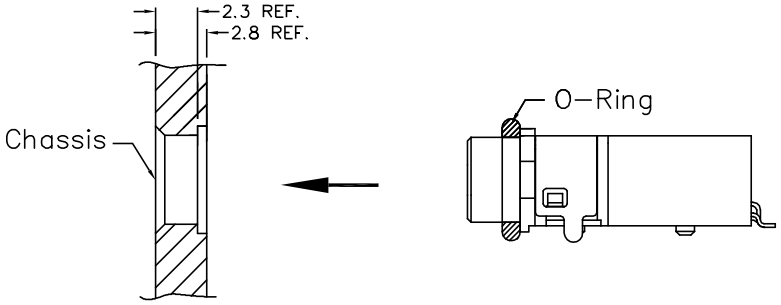
Schematic	
PIN	
1	sleeve
2	tip
3	ring 1
4	ring 2
5	tip

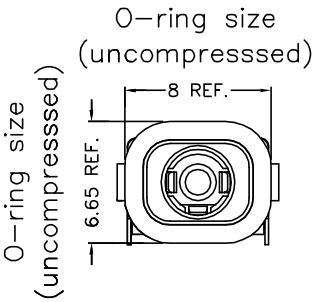
O-ring (P/N: OR-30)

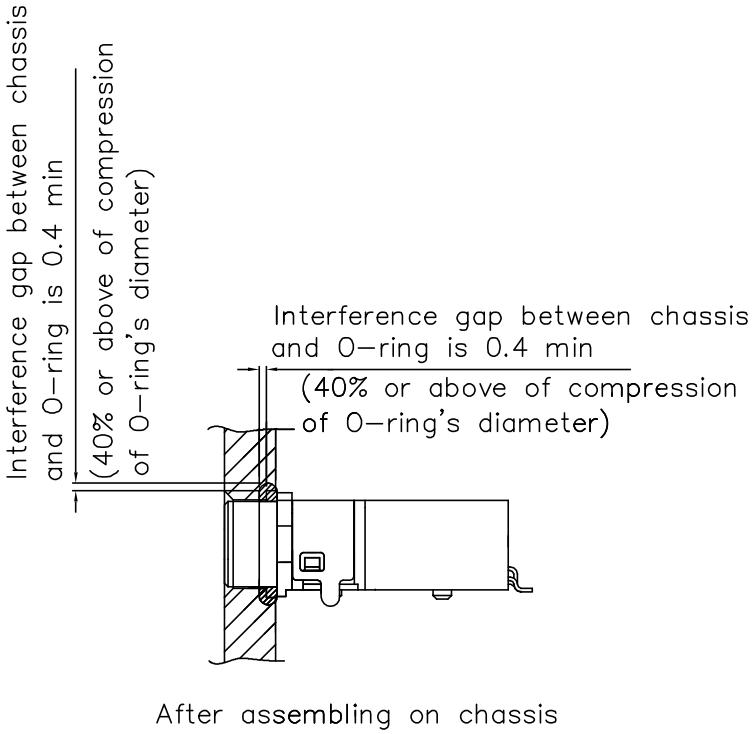


ASSEMBLY REFERENCE







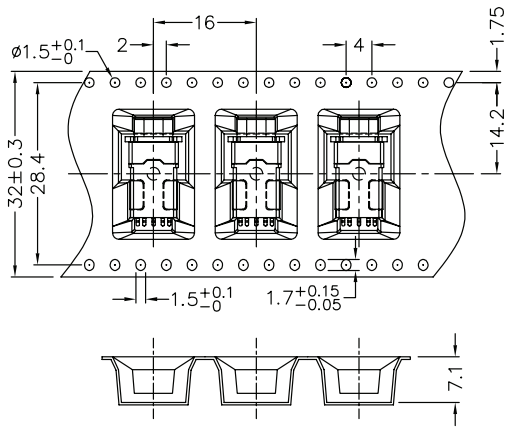


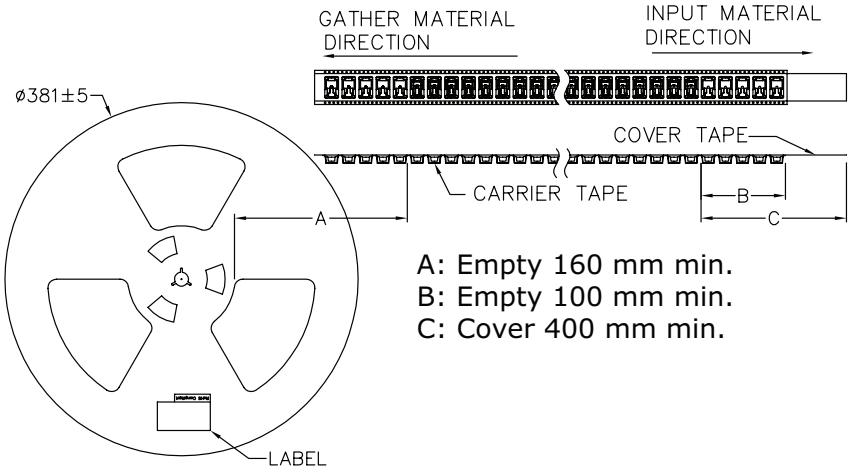
After assembling on chassis

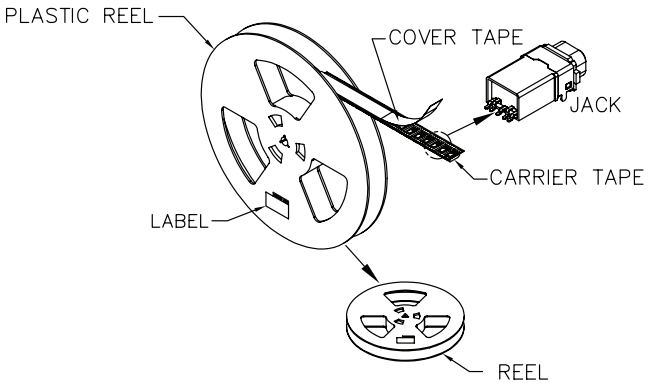
PACKAGING

units: mm

Reel Size: Ø381 mm
Reel QTY: 800 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

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