

MODEL: SJ-25015-67 | **DESCRIPTION:** AUDIO JACK**FEATURES**

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

**SPECIFICATIONS**

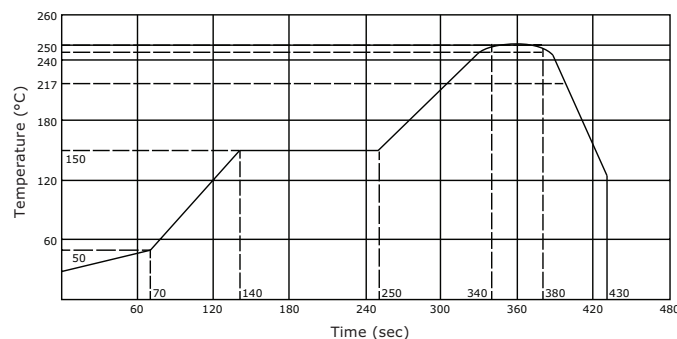
parameter	conditions/description	min	typ	max	units
rated input voltage			12		Vdc
rated input current				1	A
contact resistance ¹	between terminal and mating plug between terminal in a closed circuit			50 30	mΩ mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand	for 1 minute			500	Vac
insertion/withdrawal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

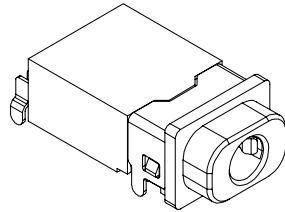
parameter	conditions/description	min	typ	max	units
reel storage	at relative humidity <80%			40	°C
reflow soldering ³	see reflow profile	245	250	255	°C
drying conditions ⁴	parts in reel: bake at 40°C ±5°C for 72 hours parts removed from reel: bake at 40°C ±5°C for 10 hours				

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.

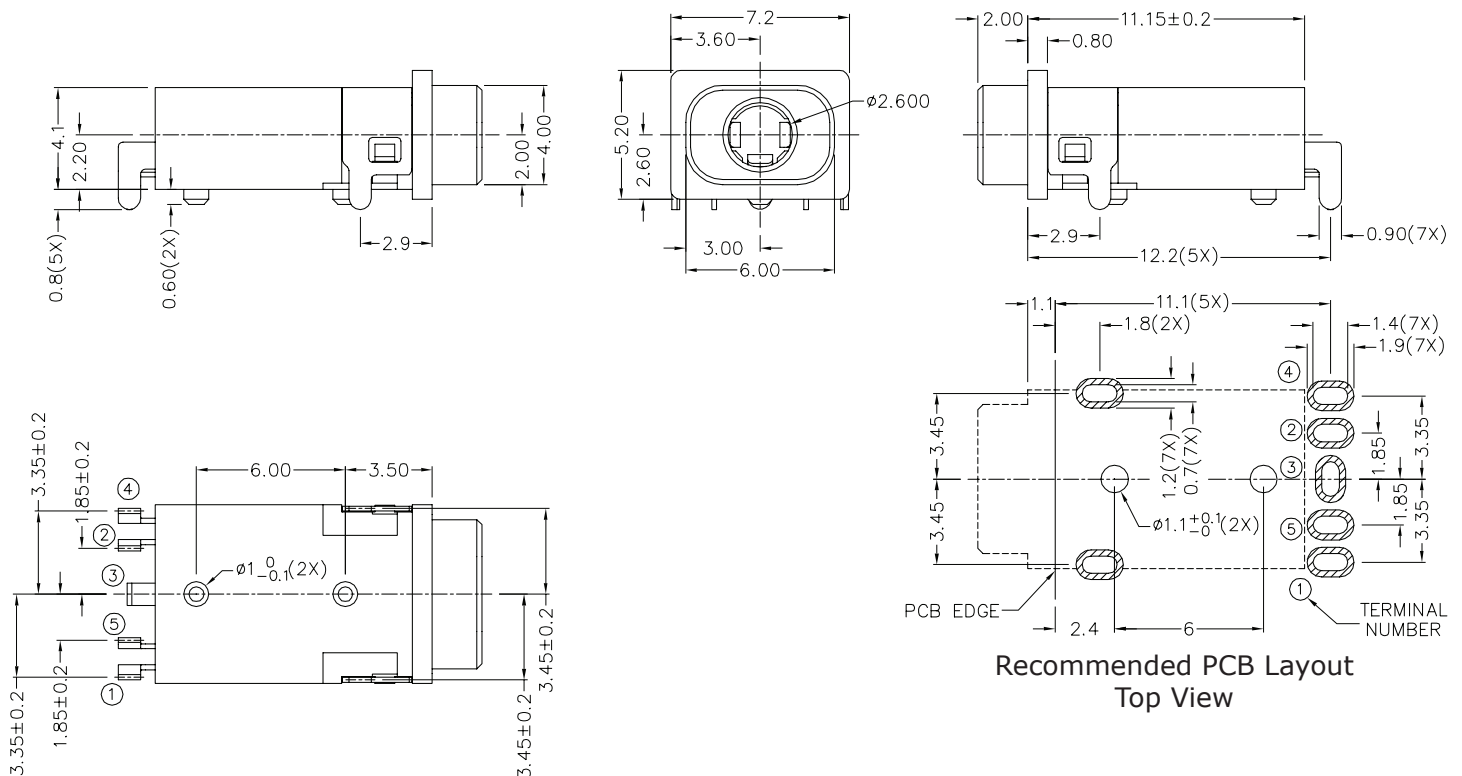


MECHANICAL DRAWING

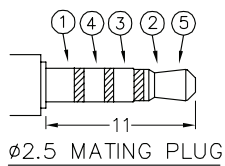
units: mm
 tolerance:
 X.X ± 0.2 mm
 X.XX ± 0.10 mm
 X.XXX ± 0.050 mm
 PCB: ± 0.05 mm



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

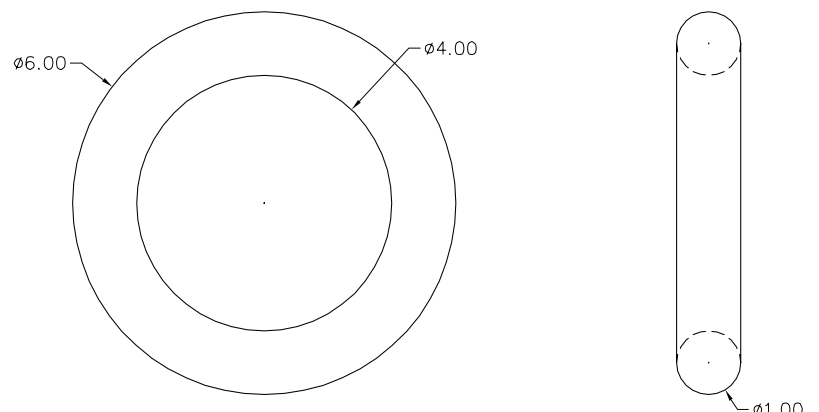


Recommended PCB Layout
Top View

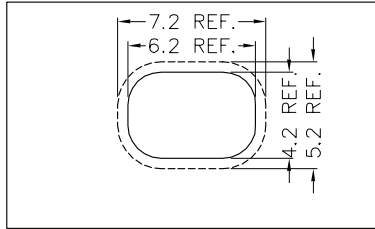


Schematic	
PIN	
1	sleeve
2	tip
3	ring 1
4	ring 2
5	tip

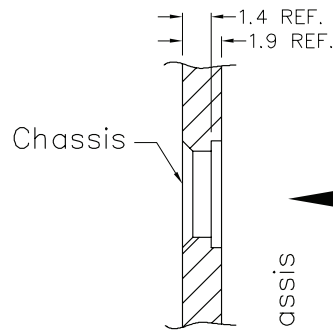
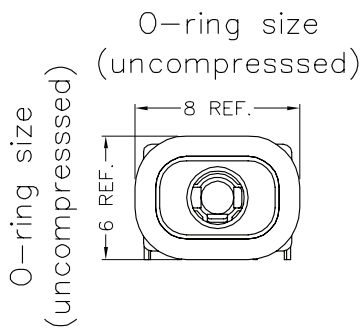
O-ring



ASSEMBLY REFERENCE

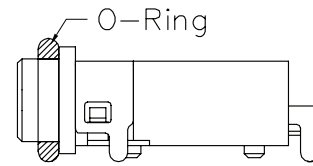


Top View

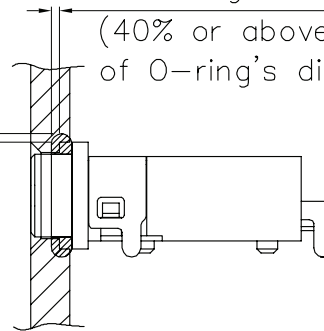


Chassis

Interference gap between chassis and O-ring is 0.4 min (40% or above of compression of O-ring's diameter)



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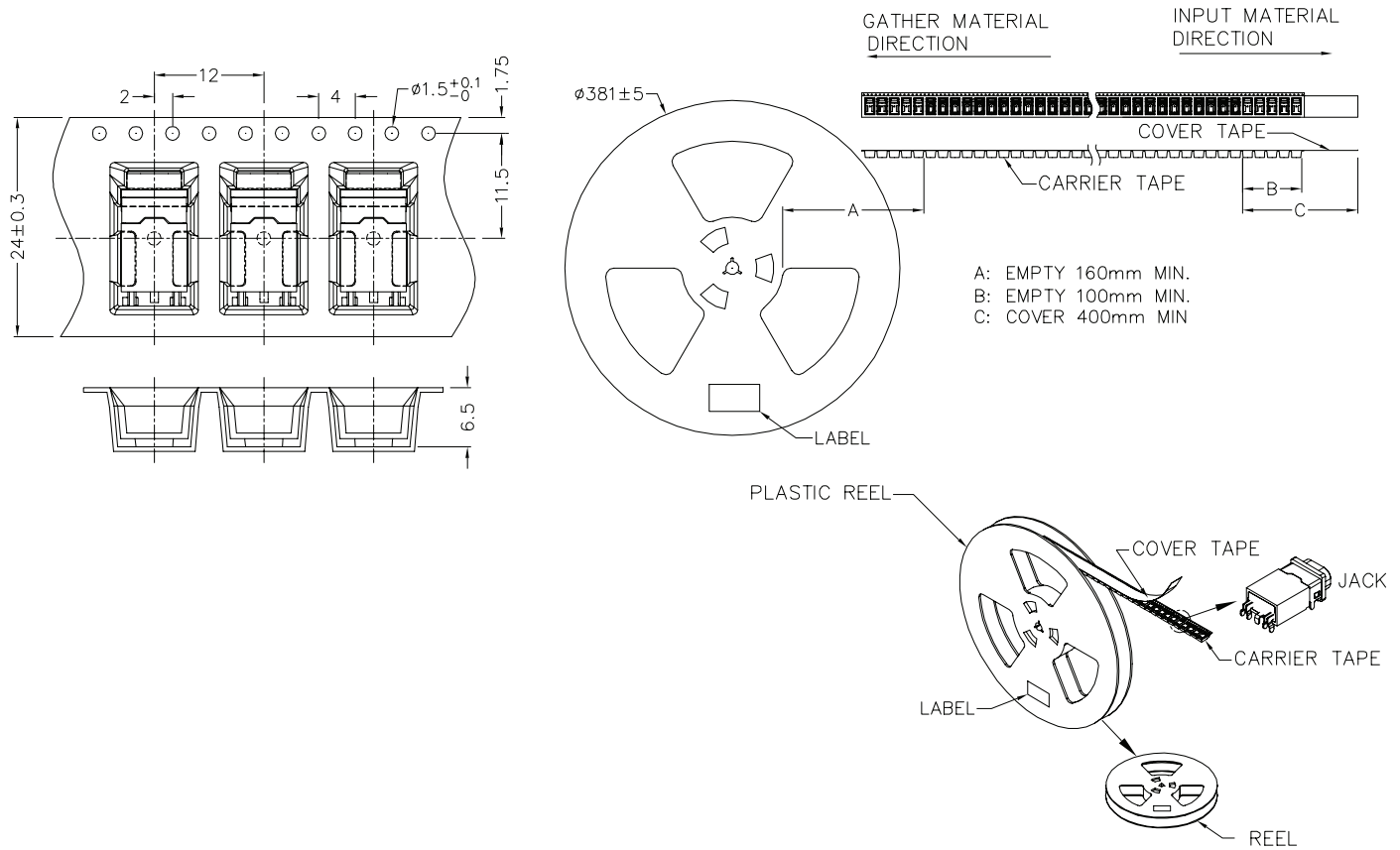
After assembling on chassis

PACKAGING

units: mm

Reel Size: Ø381 mm

Reel QTY: 1,150 pcs per reel



REVISION HISTORY

rev.	description	date
1.0	initial release	02/23/2021

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

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