

**MODEL:** SP-3541 | **DESCRIPTION:** AUDIO PLUG**FEATURES**

- 4 conductor
- PCB mount
- through hole

**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
rated input voltage			12		Vdc
rated input current				1	A
contact resistance	between plug and jack			50	mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand	for 1 minute			250	Vac
insertion force	when mating with a standard jack	0.3		4	kgf
withdrawal force	when mating with a standard jack	0.3		4	kgf
operating temperature		-25		70	°C
operating humidity				85	%
life			5,000		cycles
flammability rating	see material table				
RoHS	yes				

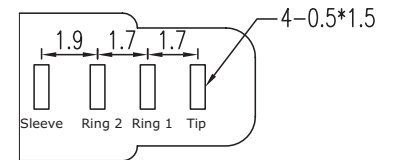
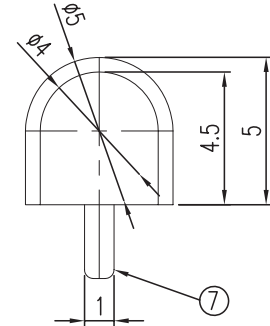
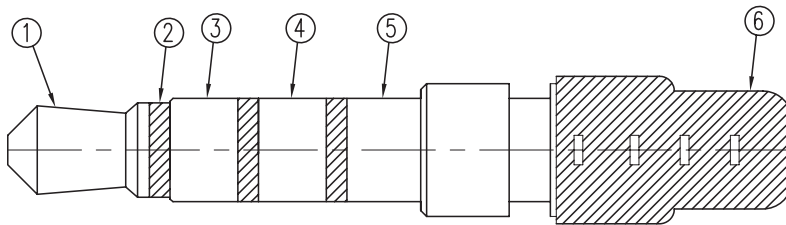
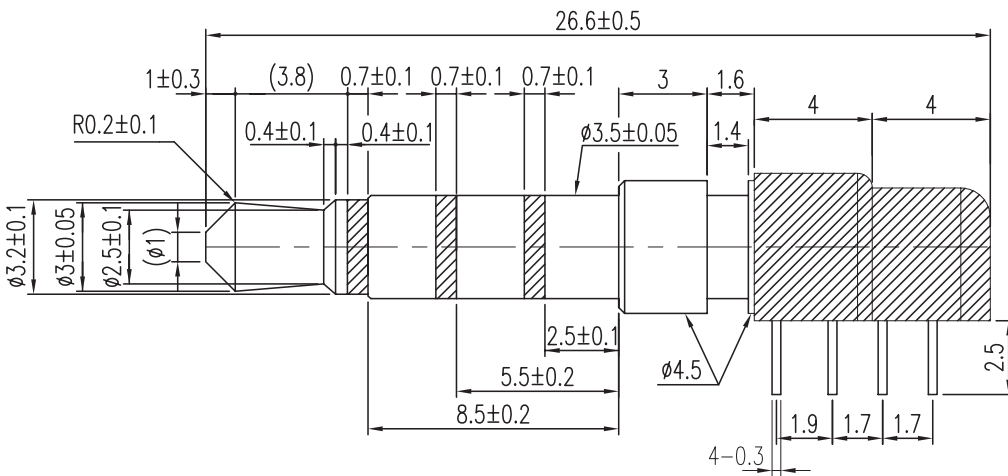
**SOLDERABILITY**

parameter	conditions/description	min	typ	max	units
hand soldering	for maximum 1 second	380	400	420	°C

## MECHANICAL DRAWING

units: mm  
 tolerance:  
 X≤1.0: ±0.1 mm  
 1.0<X≤6.0: ±0.2 mm  
 6.0<X≤12.0: ±0.3 mm  
 12.0<X≤25.0: ±0.4 mm  
 X>25.0: ±0.5 mm  
 unless otherwise noted

ITEM	DESCRIPTION	MATERIAL	PLATING/COLOR
1	tip	brass	nickel
2	insulator	nylon [UL94V-0]	black
3	ring 1	brass	nickel
4	ring 2	brass	nickel
5	sleeve	brass	nickel
6	insulator	nylon [UL94V-0]	black
7	solder pins	brass	nickel



RECOMMENDED  
 PCB LAYOUT  
 [Top View]

## REVISION HISTORY

rev.	description	date
1.0	initial release	06/18/2018
1.01	brand update	10/11/2019
1.02	logo, datasheet style update	08/16/2022
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.



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