

MODEL: SP-2541 | **DESCRIPTION:** AUDIO PLUG**FEATURES**

- 4 conductor
- designed for overmolding

**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
rated input voltage			12		Vdc
rated input current				1	A
contact resistance	between plug and jack			100	mΩ
insulation resistance	at 100 Vdc	50			MΩ
voltage withstand	for 1 minute			200	Vac
insertion force	when mating with a standard jack	0.4		4	kgf
withdrawal force	when mating with a standard jack	0.4		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

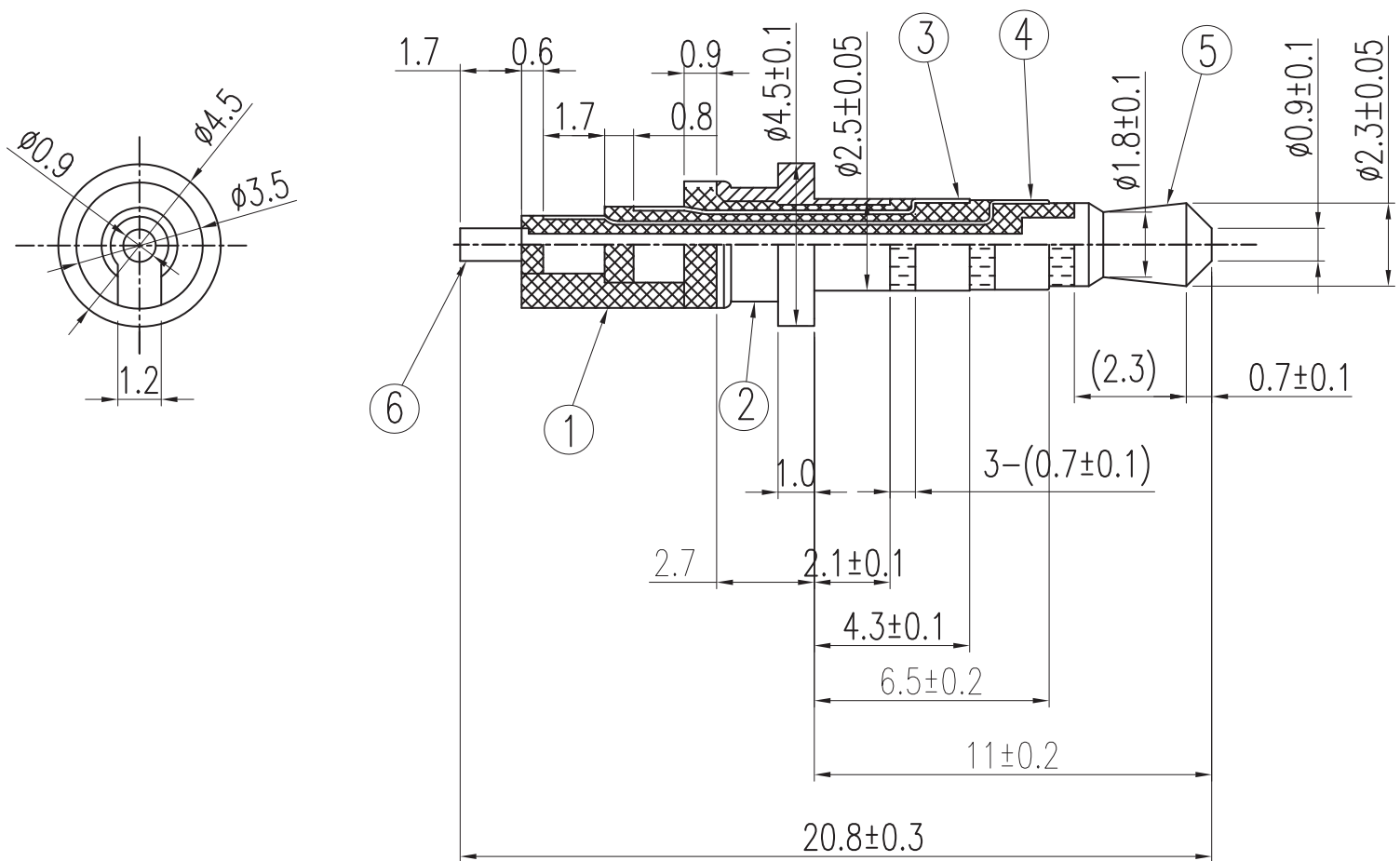
units: mm

tolerance:

 $X \leq 1.0$: ± 0.1 mm $1.0 < X \leq 6.0$: ± 0.2 mm $6.0 < X \leq 18.0$: ± 0.3 mm $18.0 < X \leq 40.0$: ± 0.4 mm $X > 40.0$: ± 0.5 mm

unless otherwise noted

ITEM	DESCRIPTION	MATERIAL	PLATING/COLOR
1	insulator	POM (UL94HB)	black
2	sleeve	brass	nickel
3	ring 2	brass	nickel
4	ring 1	brass	nickel
5	tip	brass	nickel
6	tip contact	brass	nickel



REVISION HISTORY

rev.	description	date
1.0	initial release	06/18/2018
1.01	brand update	10/11/2019

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

CUI DEVICES

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