

**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:

$X \leq 1.0$ :  $\pm 0.1$  mm

$1.0 < X \leq 6.0$ :  $\pm 0.2$  mm

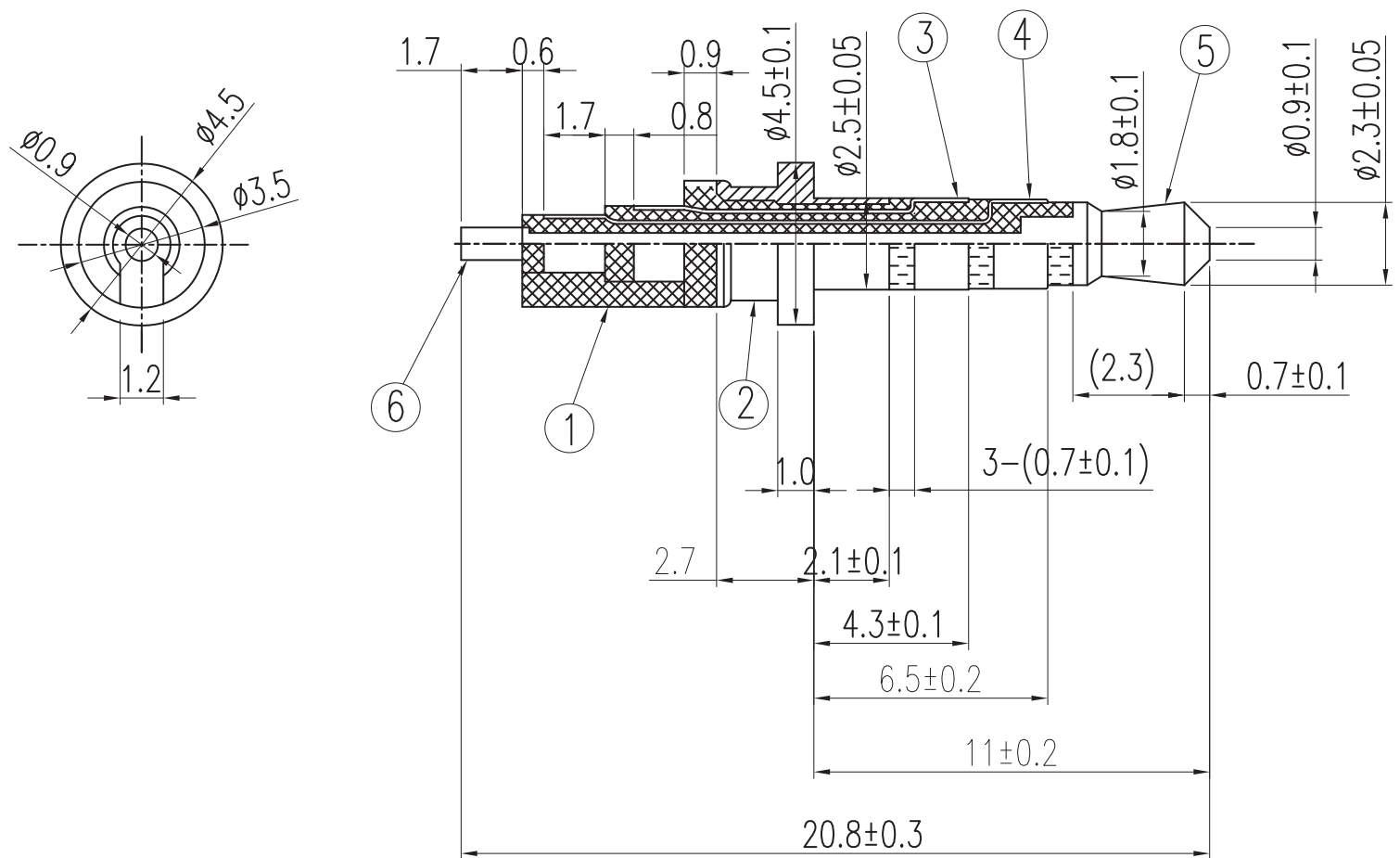
$6.0 < X \leq 18.0$ :  $\pm 0.3$  mm

$18.0 < X \leq 40.0$ :  $\pm 0.4$  mm

$X > 40.0$ :  $\pm 0.5$  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
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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