

MODEL: SP-25502-0M | **DESCRIPTION:** AUDIO PLUG**FEATURES**

- 2.5 mm audio standard
- 5 conductor with outer ring
- designed for overmolding

**SPECIFICATIONS**

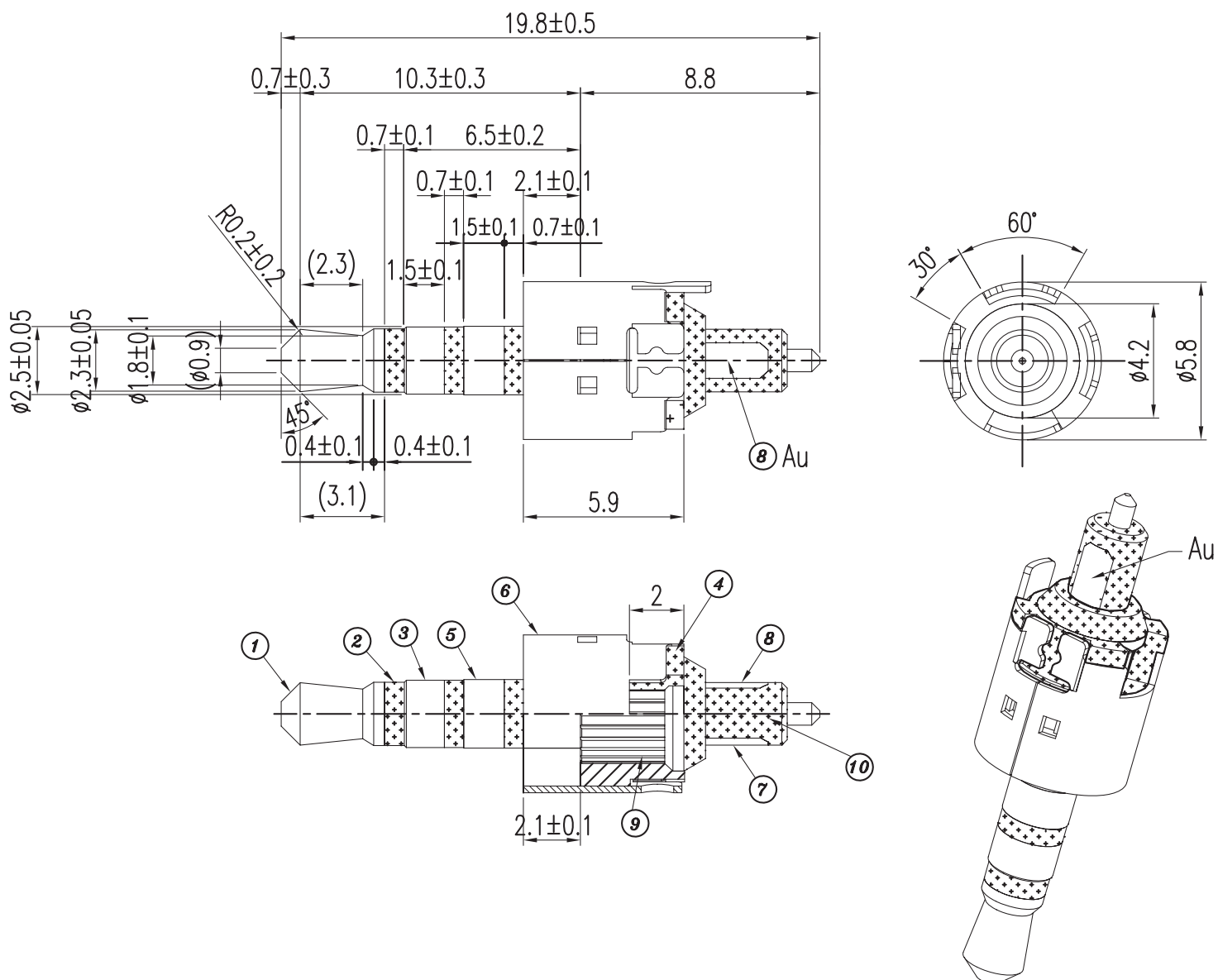
parameter	conditions/description	min	typ	max	units
rated input voltage			12		Vdc
rated input current				1	A
contact resistance	between plug and jack			100	mΩ
insulation resistance	at 100 Vdc	50			MΩ
voltage withstand	for 1 minute			200	Vac
insertion force	when mating with a standard jack	0.4		4	kgf
withdrawal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

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	POM (UL94HB)	black
3	ring 1	brass	nickel
4	insulator	POM (UL94HB)	black
5	ring 2	brass	nickel
6	outer ring	brass	nickel
7	ring 1 terminal	phosphor bronze	nickel
8	ring 2 terminal	phosphor bronze	gold
9	sleeve	brass	nickel
10	insulator	POM (UL94HB)	yellow



REVISION HISTORY

rev.	description	date
1.0	initial release	07/17/2020

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

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