

**MODEL:** SP-25502-OM | **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

MECHANICAL DRAWING

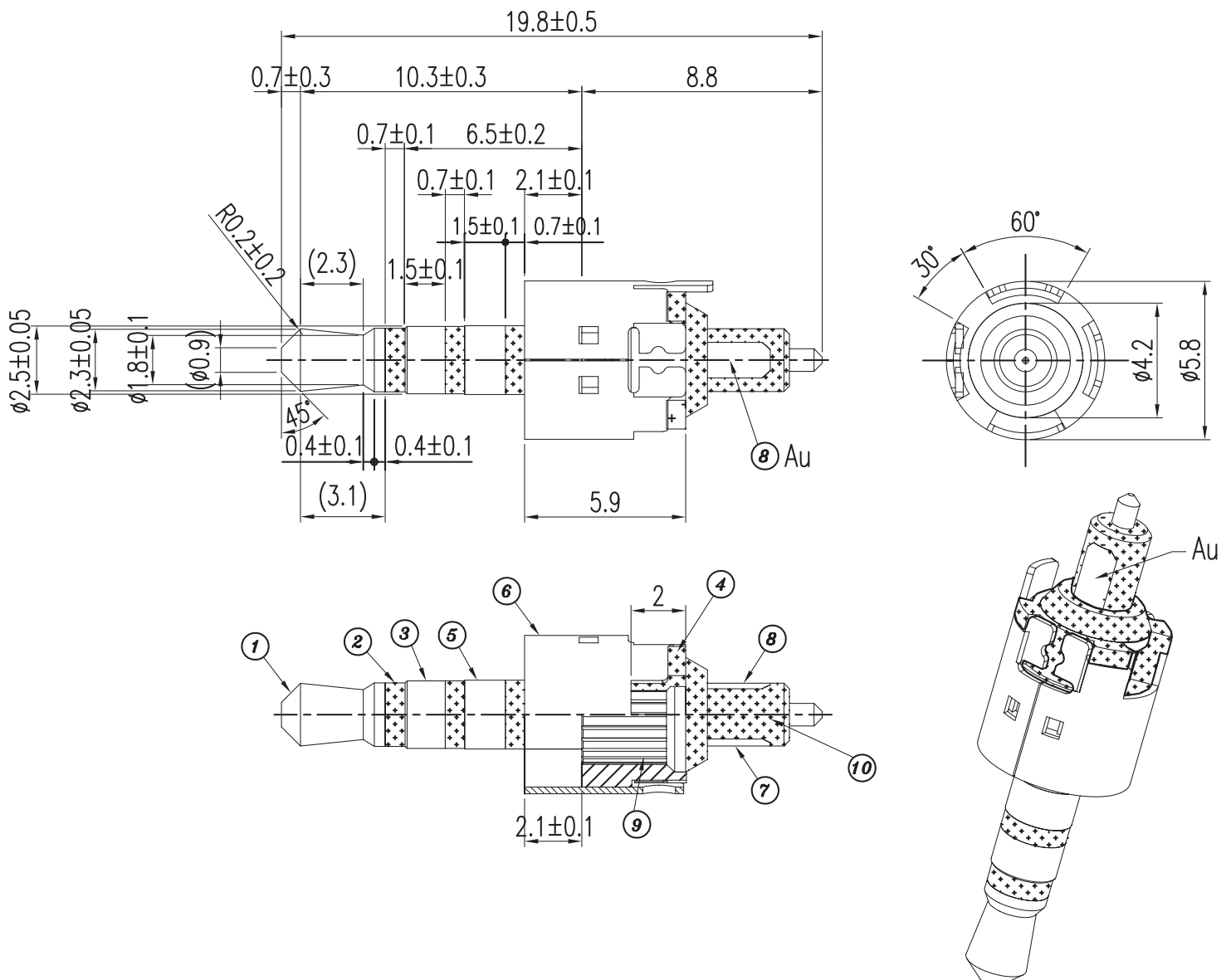
units: mm

tolerance:

 $X \leq 1.0$: ± 0.1 mm $1.0 < X \leq 6.0$: ± 0.2 mm $6.0 < X \leq 12.0$: ± 0.3 mm $12.0 < X \leq 25.0$: ± 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
1.01	logo, datasheet style update	08/16/2022
1.02	CUI Devices rebranded to Same Sky	09/12/2024

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



Same Sky offers a one (1) year limited warranty. Complete warranty information is listed on our website.

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