

MODEL: MR-3502 | **DESCRIPTION:** AUDIO RECEPTACLE**FEATURES**

- 2 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 receptacle			50	mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand	for 1 minute			500	Vac
insertion force	when mating with a standard plug	0.4		4	kgf
withdrawal force	when mating with a standard plug	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

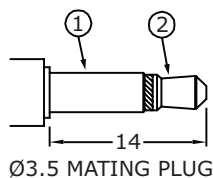
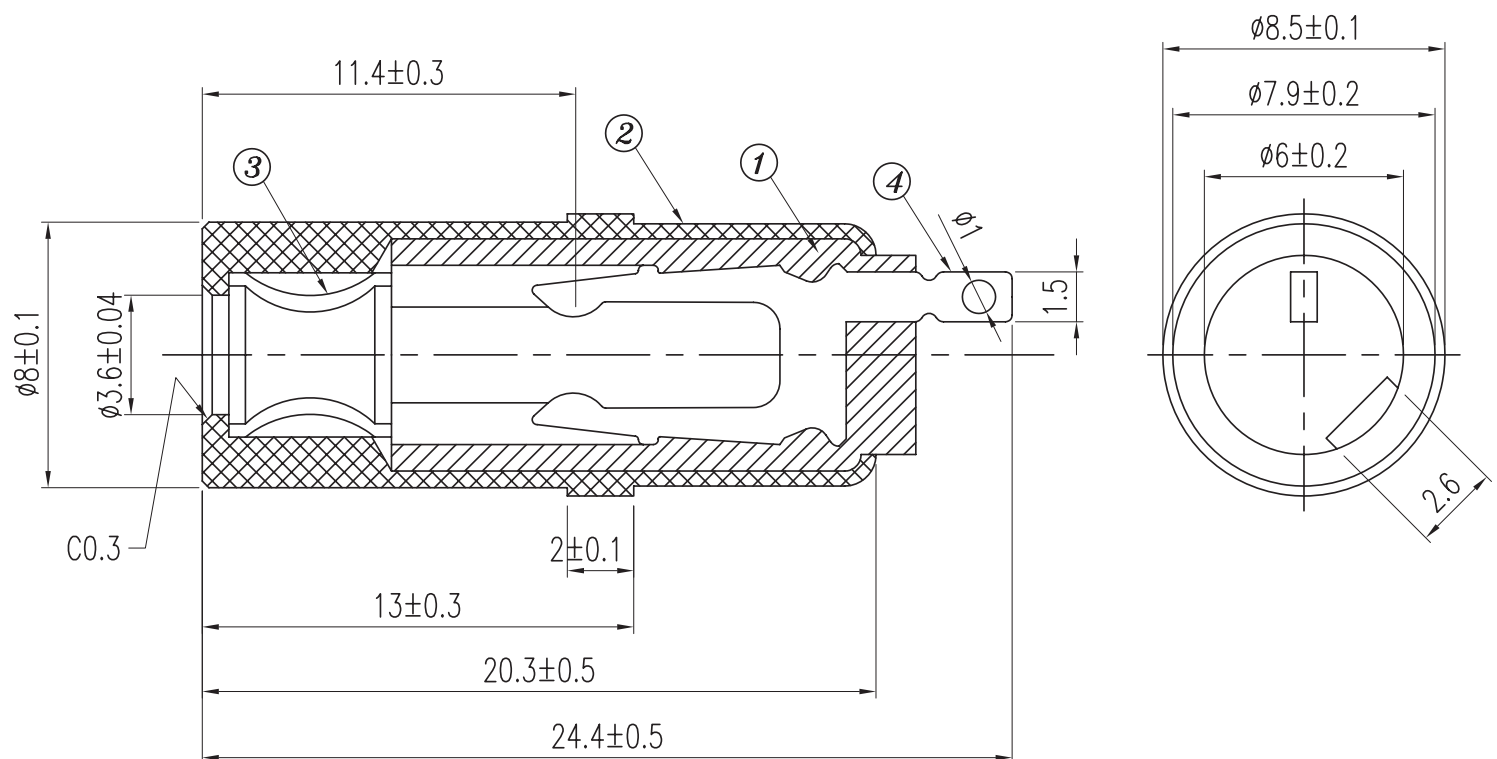
units: mm

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	body	brass	nickel
3	internal sleeve	phosphor bronze	nickel
4	terminal 2	brass	gold



Model No.	MR-3502
Schematic	
TERMINAL	
1	sleeve
2	tip

REVISION HISTORY

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

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

CUI DEVICES

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