# CUI DEVICES

### MODEL: SP-3544-WT | DESCRIPTION: AUDIO PLUG

#### **FEATURES**

- 4 conductor
- designed for overmolding



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## RoHS

#### **SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
rated input voltage			12		Vdc
rated input current				1	А
contact resistance	between plug and jack			50	mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand	for 1 minute			250	Vac
insertion force	when mating with a standard jack	0.3		4	kgf
withdrawal force	when mating with a standard jack	0.3		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

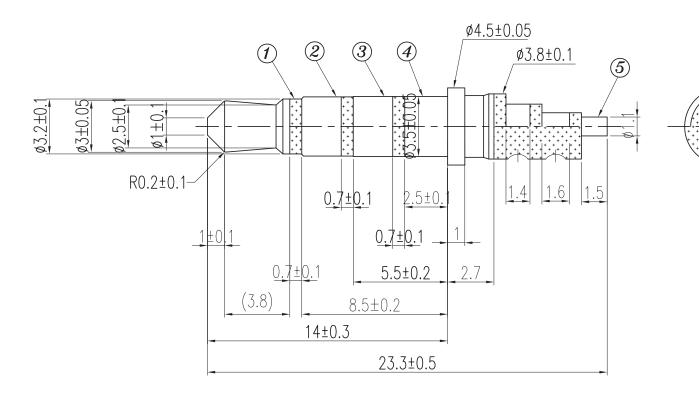
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#### **MECHANICAL DRAWING**

units: mm
tolerance:
X≤1.0: ±0.1 mm
1.0 <x≤6.0: mm<="" td="" ±0.2=""></x≤6.0:>
6.0 <x≤18.0: mm<="" td="" ±0.3=""></x≤18.0:>
18.0 <x≤40.0: mm<="" td="" ±0.4=""></x≤40.0:>
X>40.0: ±0.5 mm
unless otherwise noted

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

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

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