# **CUI** DEVICES

**date** 10/11/2019

page 1 of 3

MODEL: SP-3533-01 | DESCRIPTION: AUDIO PLUG

#### **FEATURES**

- 3 conductor
- designed for overmolding





#### **SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
rated input voltage			12		Vdc
rated input current				1	Α
contact resistance	between plug and jack			50	mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand	for 1 minute			500	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				

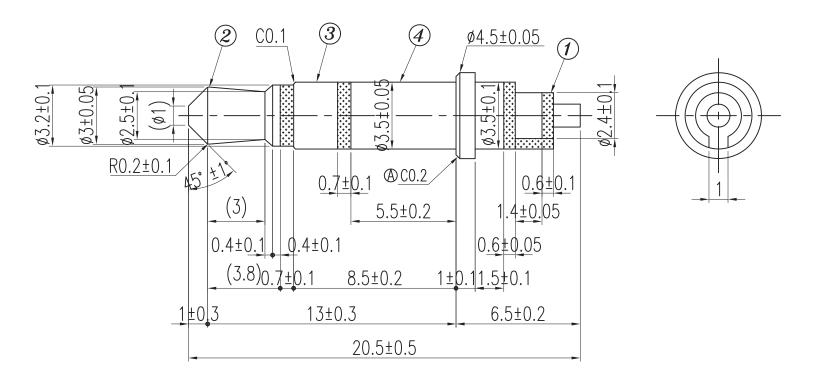
### **SOLDERABILITY**

parameter	conditions/description	min	typ	max	units
hand soldering	for maximum 1 second	380	400	420	°C

#### **MECHANICAL DRAWING**

units: mm tolerance:  $X \le 1.0$ :  $\pm 0.1$  mm  $1.0 < X \le 6.0$ :  $\pm 0.2$  mm  $6.0 < X \le 18.0$ :  $\pm 0.3$  mm  $18.0 < X \le 40.0$ :  $\pm 0.4$  mm X > 40.0:  $\pm 0.5$  mm unless otherwise noted

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



Additional Resources: Product Page | 3D Model

CUI Devices | MODEL: SP-3533-01 | DESCRIPTION: AUDIO PLUG date 10/11/2019 | page 3 of 3

#### **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

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