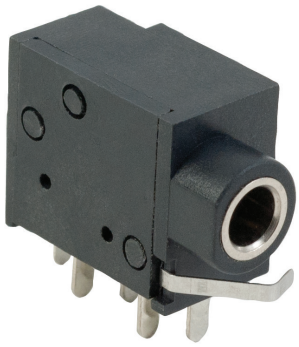
MODEL: SJ-3598 | DESCRIPTION: AUDIO JACK

FEATURES

- isolated ground spring
- plastic bushing
- PCB mount



SPECIFICATIONS

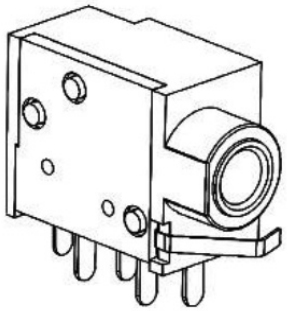
parameter	conditions/description	min	typ	max	units
rated input voltage			12		Vdc
rated input current				1	A
contact resistance	between terminal and mating plug between terminal in a closed circuit			50 30	mΩ mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand	for 1 minute			500	Vac
insertion/withdrawal force		0.3		3	kg
operating temperature		-25		85	°C
life			5,000		cycles
flammability rating	UL94V-0				
RoHS	yes				

SOLDERABILITY

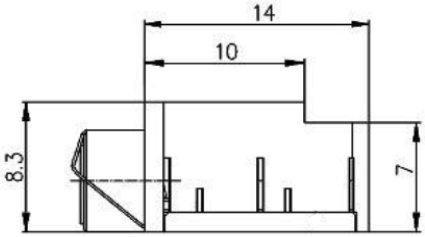
parameter	conditions/description	min	typ	max	units
wave soldering	dipped in solder pot for 5 ±0.5 seconds	255	260	265	°C

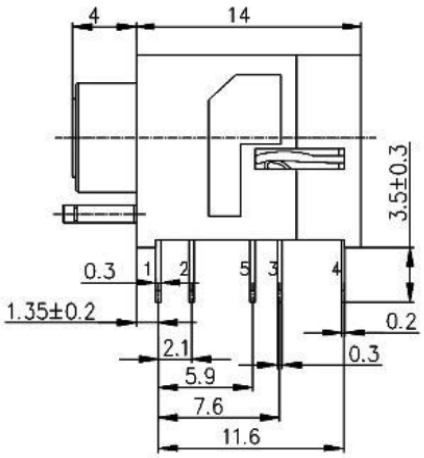
MECHANICAL DRAWING

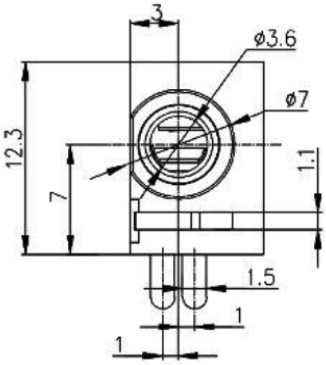
units: mm
tolerance:
X.X ±0.20 mm
X.XX ±0.10 mm
X.XXX ±0.05 mm
unless otherwise specified

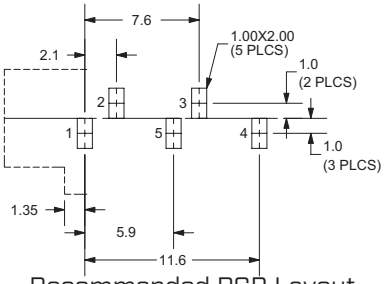


DESCRIPTION	MATERIAL	PLATING/COLOR
terminal 1	brass t=0.30	tin
terminal 2	phosphor bronze t=0.30	tin
terminal 3	phosphor bronze t=0.30	tin
terminal 4	phosphor bronze t=0.20	tin
terminal 5	brass t=0.30	tin
bushing	brass	nickel
spring	stainless steel t=0.15	
shield	stainless steel	
housing	PA66 (UL94V-0)	black

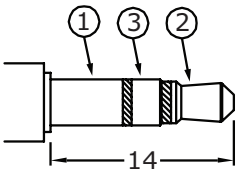




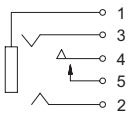




Recommended PCB Layout
Top View



Ø3.5 MATING PLUG

Model No.	SJ-3598
Schematic	
PIN	
1	sleeve
2	tip
3	ring
4	isolated tip
5	isolated tip switch (N-O)

REVISION HISTORY

rev.	description	date
1.0	initial release	02/22/2012
1.01	updated schematic	04/20/2012
1.02	brand update	01/31/2020
1.03	product reengineered for improved manufacturability and production yield, see PCN for details	07/07/2023

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

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

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