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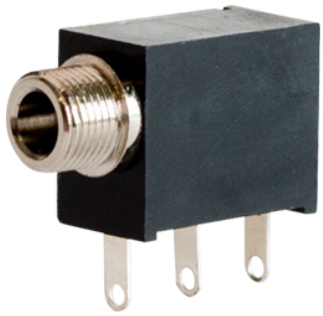
MODEL: MJ-3502 | DESCRIPTION: AUDIO JACK

FEATURES

- 3.5 mm mono jack
- through hole
- threaded bushing



RoHS

SPECIFICATIONS

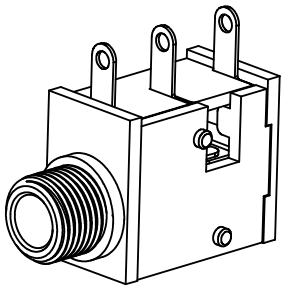
parameter	conditions/description	min	typ	max	units
rated input voltage			12		Vdc
rated input current				2	A
contact resistance				30	mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand				500	Vac
insertion force		0.3		3	kgf
withdrawal force		0.3		3	kgf
operating temperature		-25		75	°C
storage temperature		-25		75	°C
life			5,000		cycles
flammability rating	see material table for details				
RoHS	yes				

SOLDERABILITY

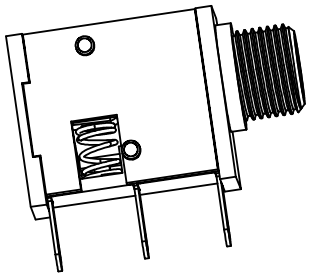
parameter	conditions/description	min	typ	max	units
hand soldering	for 3~5 seconds		360		°C

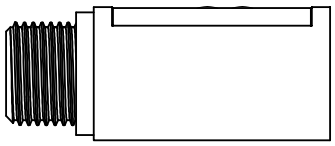
MECHANICAL DRAWING

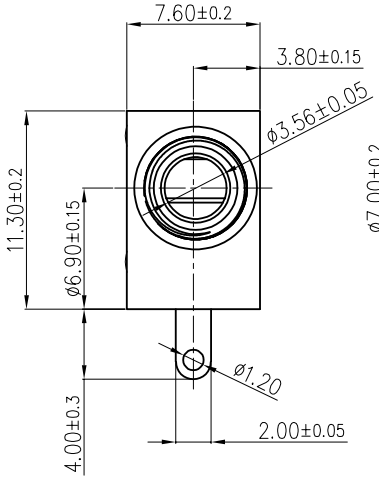
units: mm
tolerance:
X.X ±0.50 mm
X.XX ±0.3 mm
X.XXX ±0.15 mm
PCB: ±0.05 mm
PCB thickness: 1.6 mm
unless otherwise specified

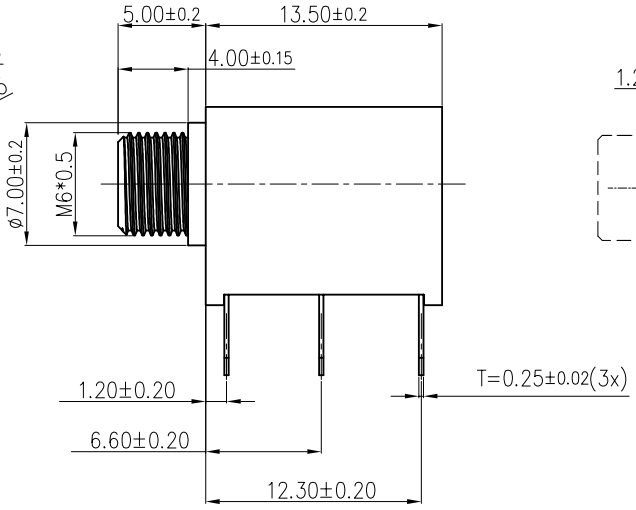


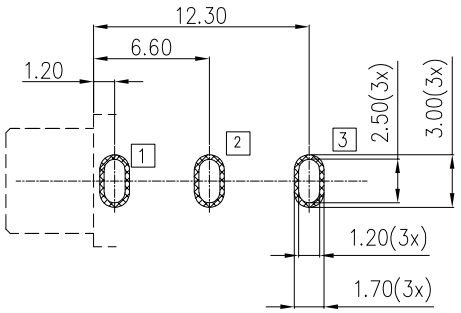
DESCRIPTION	MATERIAL	PLATING
terminal 1	C2680R t=0.25 mm	8 μ" silver over 30~60 μ" nickel
terminal 2	C5210R t=0.25 mm	8 μ" silver over 30~60 μ" nickel
terminal 3	C2680R t=0.25 mm	8 μ" silver over 30~60 μ" nickel
barrel	brass	30~50 μ" nickel
housing	POM (UL9HB)	black
cover	PC (UL94V-2)	transparent
nut	brass	30~50 μ" nickel
spring	stainless steel	---



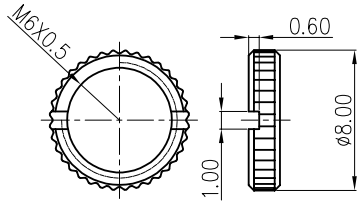




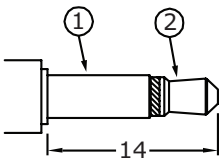




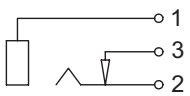
Recommended PCB Layout
Top View



Nut



Ø3.5 MATING PLUG

Model No.	MJ-3502
Schematic	
PIN	
1	sleeve
2	tip
3	tip switch

REVISION HISTORY

rev.	description	date
1.0	initial release	07/06/2007
1.01	brand update	04/01/2020
1.02	CUI Devices rebranded to Same Sky	09/12/2024
1.03	factory location change	06/23/2026

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

same sky

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