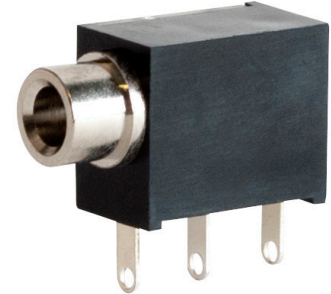


MODEL: MJ-3502N | **DESCRIPTION:** AUDIO JACK**FEATURES**

- 3.5 mm mono jack
- through hole
- flashed bushing

**SPECIFICATIONS**

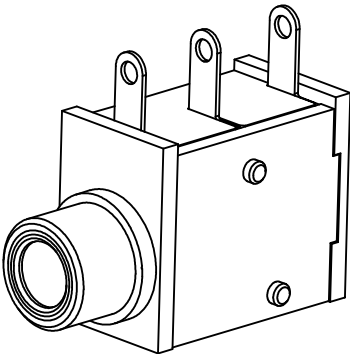
parameter	conditions/description	min	typ	max	units
rated input voltage			12		Vdc
rated input current				2	A
contact resistance				30	mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand				500	Vac
insertion force		0.3		3	kgf
withdrawal force		0.3		3	kgf
operating temperature		-25		75	°C
storage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

SOLDERABILITY

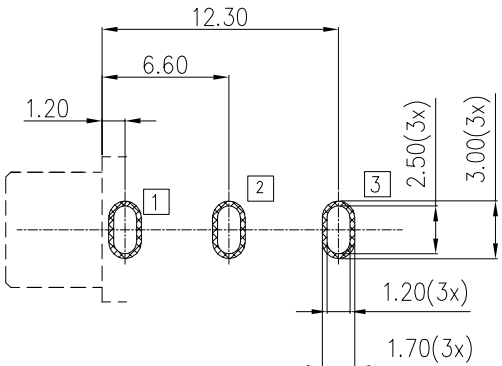
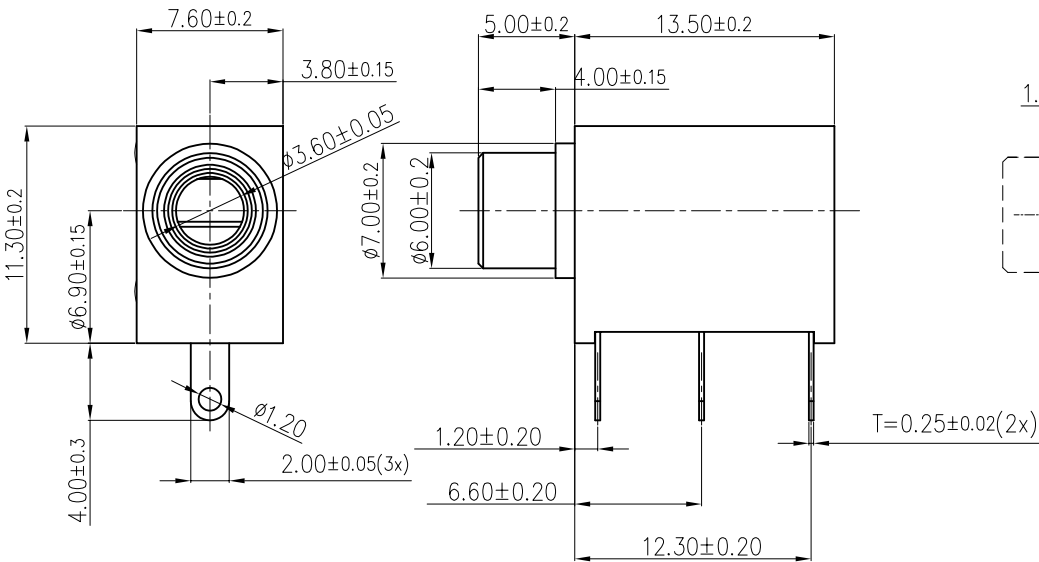
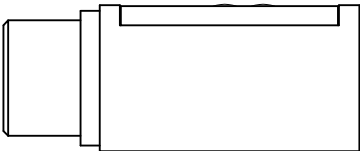
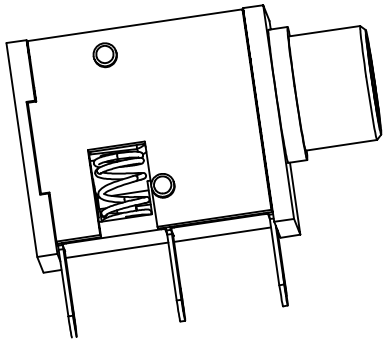
parameter	conditions/description	min	typ	max	units
hand soldering	for 3~5 seconds		360		°C

MECHANICAL DRAWING

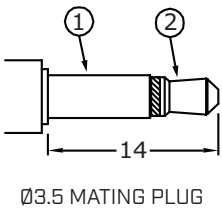
units: mm
tolerance:
X.X ±0.50 mm
X.XX ±0.3 mm
X.XXX ±0.15 mm
PCB: ±0.05 mm
PCB thickness: 1.6 mm
unless otherwise specified



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
spring	stainless steel	---



Recommended PCB Layout
Top View



Ø3.5 MATING PLUG

Model No.	MJ-3502N
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 offers a one (1) year limited warranty. Complete warranty information is listed on our website.

Same Sky reserves the right to make changes to the product at any time without notice. Information provided by Same Sky is believed to be accurate and reliable. However, no responsibility is assumed by Same Sky for its use, nor for any infringements of patents or other rights of third parties which may result from its use.

Same Sky products are not authorized or warranted for use as critical components in equipment that requires an extremely high level of reliability. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

sameskydevices.com