CUI DEVICES

SERIES: SJ-6304 | DESCRIPTION: AUDIO JACK

FEATURES
- through hole
- right angle
- 3 conductor
- 2 isolated switches
- DPDT switches in SJ-63043F
- threaded with nut



RoHS

PART NUMBER KEY

SJ-6304 3 X

Base Number

Switch Options:
F = DPDT switches
H = 2 isolated switches (N-C)

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			30	mΩ
insulation resistance	at 500 Vdc	100			MΩ
voltage withstand	for 1 minute			500	Vac
insertion/withdrawal force		0.4		3	kg
operating temperature		-25		70	°C
life			5,000		cycles
flammability rating	see material table				
RoHS	yes				

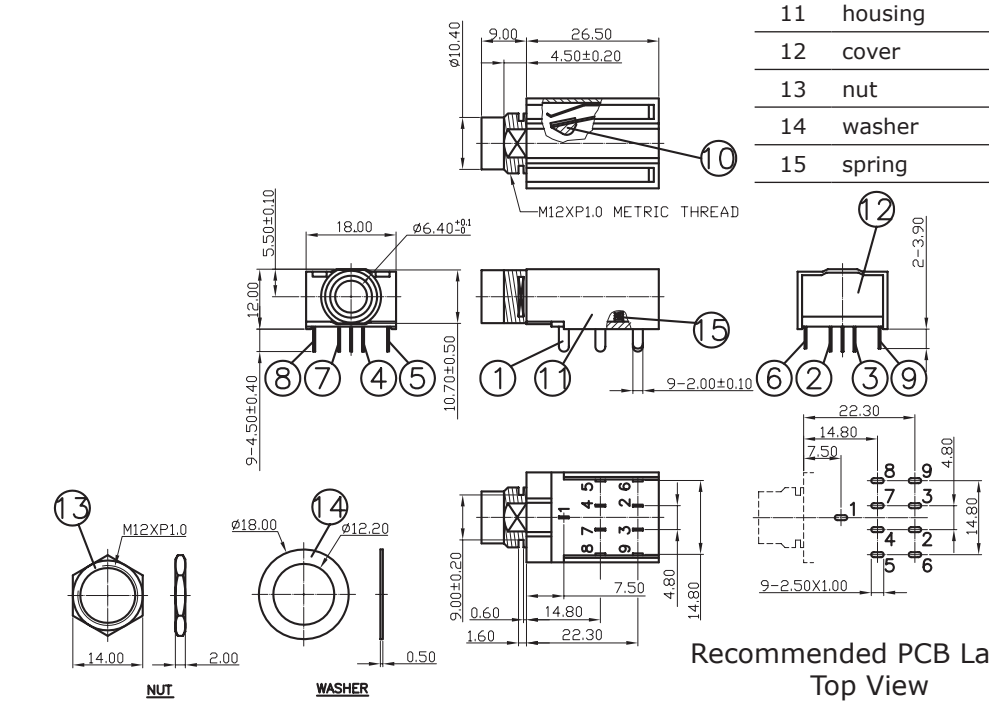
SOLDERABILITY

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

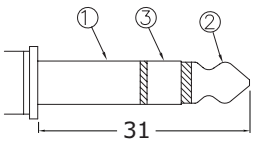
MECHANICAL DRAWING

units: mm
tolerance: ±0.3 mm

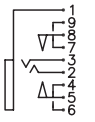
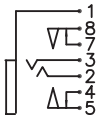
ITEM	DESCRIPTION	MATERIAL	PLATING/COLOR
1	earth terminal	phosphor bronze	silver
2	tip spring	phosphor bronze	silver
3	ring spring	phosphor bronze	silver
4	break terminal	brass	silver
5	transfer terminal	phosphor bronze	silver
6	make terminal	phosphor bronze	silver
7	break terminal	brass	silver
8	transfer terminal	phosphor bronze	silver
9	make terminal	phosphor bronze	silver
10	insulator	POM (UL94HB)	black
11	housing	PBT (UL94V-0)	black
12	cover	PC (UL94V-2)	transparent
13	nut	steel	nickel
14	washer	steel	nickel
15	spring	SWP	



Recommended PCB Layout
Top View



Ø6.3 MATING PLUG

Model No.	SJ-63043F	SJ-63043H
Schematic		
PIN		
1	sleeve	sleeve
2	tip	tip
3	ring	ring
4	isolated break terminal 1	isolated break terminal 1
5	isolated transfer terminal 1	isolated transfer terminal 1
6	isolated make terminal 1	NP
7	isolated break terminal 2	isolated break terminal 2
8	isolated transfer terminal 2	isolated transfer terminal 2
9	isolated make terminal 2	NP

REVISION HISTORY

rev.	description	date
1.0	initial release	07/30/2020

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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