CUI DEVICES

Additional Resources: Product Page

date 01/31/2020

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SERIES: SJ-358XNG | DESCRIPTION: AUDIO JACK

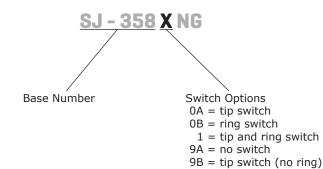
FEATURES

- low profile design
- switch options include:
- no switch
- tip switch
- ring switch
- tip and ring switch
- w/isolated DPDT switch
- plastic bushing
- w/kinked pins





PART NUMBER KEY



SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
rated input voltage			12		Vdc
rated input current				1	А
contact resistance	between terminal and mating plug between terminal in a closed circuit*			50 30	mΩ
insulation resistance	at 500 Vdc	100			МΩ
voltage withstand	at 50/60Hz for 1 minute			500	Vac
insertion/withdrawal force		0.3		3	kg
terminal strength	any direction for 10 seconds			500	g
operating temperature		-25		85	°C
life			5,000		cycles
RoHS	yes				

SOLDERABILITY

*When measured at a current of less than 100 mA / 1 kHz

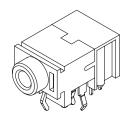
Notes:

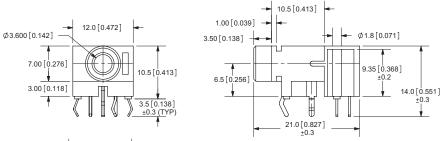
parameter	conditions/description	min	typ	max	units
wave soldering	dipped in solder pot for 5 ± 0.5 seconds at	255	260	265	°C

MECHANICAL DRAWING

units: mm[inches]

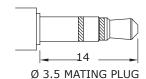
TOLERANCE: $X.X \pm 0.2$ mm $X.XX \pm 0.1$ mm $X.XXX \pm 0.05$ mm





12.5[0.492]	
10.0 [0.394]	10.0 [0.394] (5 PLCS)
5.0 [0.197]	5.0[0.197]
3.0[0.118]	(3 PLCS) (4 PLCS)
3 11 4 7 10.0 [0.394]	10 9
$-\frac{1}{1}$ $+\frac{5}{6}$ $+\frac{8}{6}$ 5.0 [0.197]	5 8 5.0 [0.197] 10.0 [0.3 PLCS) (3 PLCS)
100 69	
Ø1.60 [0.063]	3.0 [0.118] (3 PLCS)
PCB LAYOUT (5 PLCS)	12.5 [0.492] (3 PLCS)

	MATERIAL	PLATING
terminal 1	brass	tin
terminal 2	copper alloy	tin
terminal 3	copper alloy	tin
terminal 4	brass	silver
terminal 5	brass	silver
terminal 6	brass	silver
terminal 7	brass	silver
terminal 8	brass	silver
terminal 9	brass	silver
terminal 10	brass	tin
terminal 11	brass	tin
spring	stainless steel	
contact clip	C5210R-EH	silver
insulator	PA66	
plastic	PBT	



Model No.	SJ-3580ANG	SJ-3580BNG	SJ-3581NG	SJ-3589ANG	SJ-3589BNG	
	0 1 0 3 0 10 0 10 0 2	0 1 0 3 0 11 0 11	0 1 0 3 0 11 0 10 0 2	° 1 ° 3 ° 2	o 1 o 10 o 2	
Schematic	Plug	Plug	Plug	Plug	Plug	
	Plug O D D D D D D D D D	Plug O 1 2 3 4 O 7 7 1 1 1 1 1 1 1 1	Plug 0 4 0 7 7 8 1 1 1 1 1 1 1 1 1	Plug 0 2 0 7 1 1 1 1 1 1 1 1 1	Plug 0 5 0 8	
Pin						
1	sleeve	sleeve	sleeve	sleeve	sleeve	
2	tip	tip	tip	tip	tip	
3	ring	ring	ring	ring	NP	
10	tip switch	NP	tip switch	NP	tip switch	
11	NP	ring switch	ring switch	NP NP		

CUI Devices | SERIES: SJ-358XNG | DESCRIPTION: AUDIO JACK date 01/31/2020 | page 3 of 3

REVISION HISTORY

rev.	description	date		
1.0	initial release	09/13/2006		
1.01	new template applied	01/27/2012		
1.02	brand update	01/31/2020		

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

CUI DEVICES

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Same Sky:

SJ-3580BNG SJ-3589ANG SJ-3580ANG SJ-3581NG