

date 10/25/2023

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MODEL: NSIM-3-C | DESCRIPTION: NANO SIM CARD CONNECTOR

FEATURES

- nano SIM card connector
- hinged
- · card detect switch
- gold flash
- surface mount
- UL94V-0





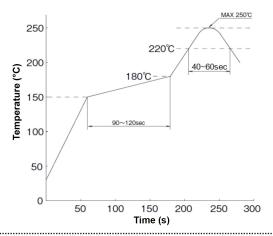
SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
rated voltage				30	V
rated current				0.5	А
contact resistance ¹				100	mΩ
insulation resistance	at 500 Vdc, between adjacent circuits	1,000			МΩ
voltage withstand	for 1 minute, between adjacent circuits		500		Vac
lock force				7	N
open force		0.5			N
life			5,000		cycles
operating temperature		-40		85	°C
flammability rating	UL94V-0				
RoHS	yes				

Note: 1. When measured at 20 mV / 100 mA.

SOLDERABILITY

parameter	conditions/description	min	typ	max	units
reel storage	at relative humidity 40~70% reel opened: use within 1 month reel unopened: up to 15 month shelf life	16	22	28	°C
reflow soldering	see reflow profile			250	°C

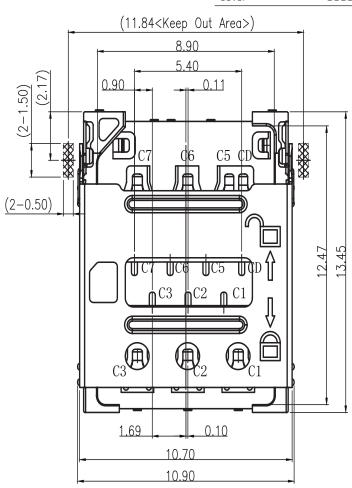


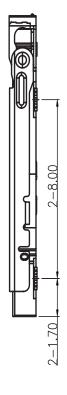
MECHANICAL DRAWING

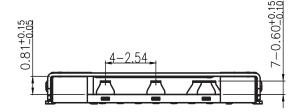
units: mm tolerance: X.X ±0.30 mm X.XX ±0.20 mm X.XXX ±0.10 mm unless otherwise specified

DESCRIPTION	MATERIAL	PLATING/COLOR
housing	LCP (UL94V-0)	black
contact terminals	phosphor bronze t=0.12 mm	contact area: gold flash over nickel solder area: gold flash over nickel
cover	SUS304 t=0.15 mm	clean









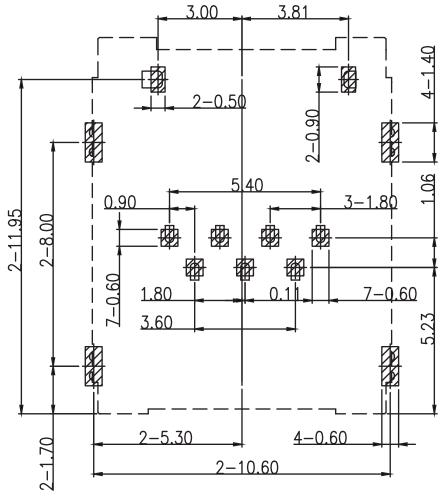
MECHANICAL DRAWING (CONTINUED)

units: mm

PCB tolerance: ±0.05 mm

	PIN CONNECTIONS		
PIN	SIGNAL NAME	DESCRIPTION	
C1	VCC	SUPPLY VOLTAGE	
C2	RST	RESETTING	
C3	CLK	CLOCK	
C5	GND	GROUND CONNECTION	
C6	VPP	PROGRAMMING VOLTAGE	
C7	1/0	DATA LINE	
CD	-	CARD DETECT SWITCH	
GND	-	COVER GROUND	

CARD STATUS			
WITHOUT CARD	CARD INSERTED		
CD GND	CD •••	GND •••	



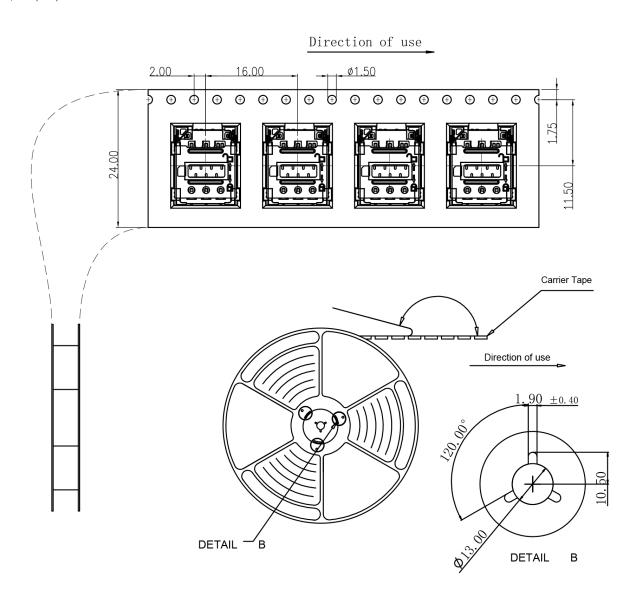
SMT SOLDER AREA

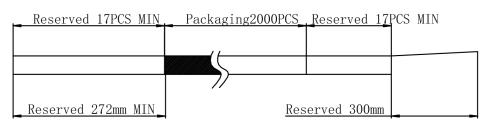
Recommended PCB Layout Top View

PACKAGING

units: mm

Reel Size: Ø330 mm Reel QTY: 2,000 pcs per reel





REVISION HISTORY

rev.	description	date
1.0	initial release	10/25/2023

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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