

**date** 10/26/2023 **page** 1 of 5

# MODEL: NSIM-10-B | DESCRIPTION: NANO SIM CARD CONNECTOR

#### **FEATURES**

- nano SIM card connector
- push in, pull out
- · card detect switch
- gold flash
- surface mount
- UL94V-0





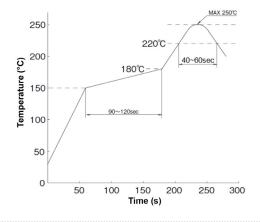
### **SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
rated voltage				30	V
rated current			-	0.5	А
contact resistance <sup>1</sup>				100	mΩ
insulation resistance	at 500 Vdc, between adjacent circuits	1,000			МΩ
voltage withstand	for 1 minute, between adjacent circuits		100		Vac
insertion force	at a rate of 25 mm/min			10	N
withdrawal force	at a rate of 25 mm/min	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.

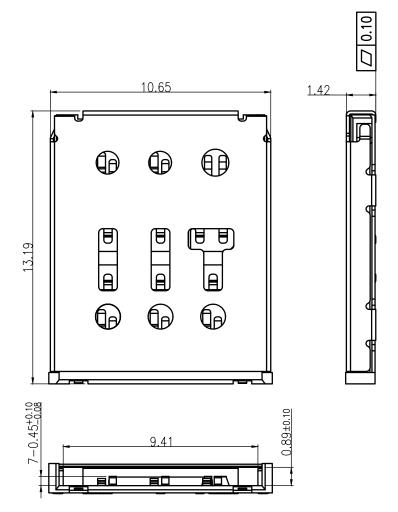
### **SOLDERABILITY**

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

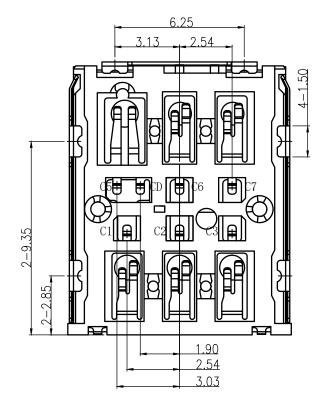


## **MECHANICAL DRAWING**

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 30% GF (UL94V-0)	black
contact terminals	phosphor bronze t=0.15 mm	contact area: gold flash over nickel solder area: gold flash over nickel
cover	SUS304 t=0.15 mm	solder area: gold flash over nickel



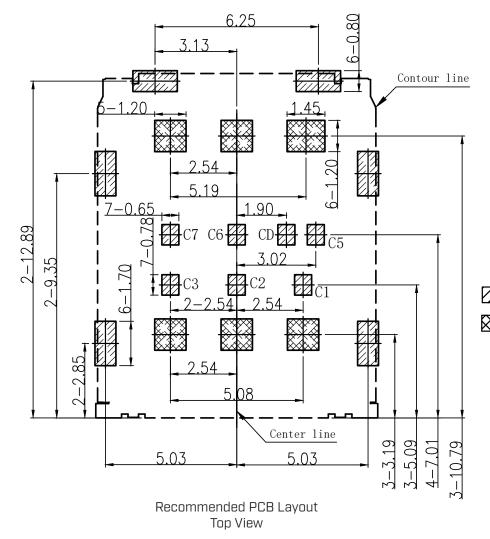
# **MECHANICAL DRAWING (CONTINUED)**

units: mm

PCB tolerance: ±0.05 mm

	PIN CONNECTIONS			
PIN	SIGNAL NAME	DESCRIPTION		
C1	VCC	SUPPLY VOLTAGE		
C2	RST	RESETTING		
С3	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 C5	CD C5		



SMT SOLDER AREA

COPPER RESTRICTED AREA 1. TOUCH AREA OF CONTACT

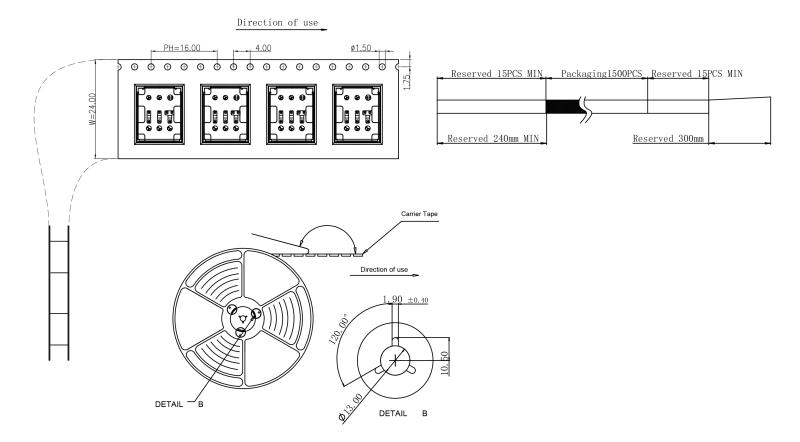
TIPS NO ELECTRICAL FUNCTION 2. NO FIRST PCB LAYOUT

CIRCUITS IN THE AREA

### **PACKAGING**

units: mm

Reel Size: Ø330 mm Reel QTY: 1,500 pcs per reel



### **REVISION HISTORY**

rev.	description	date
1.0	initial release	10/26/2023

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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