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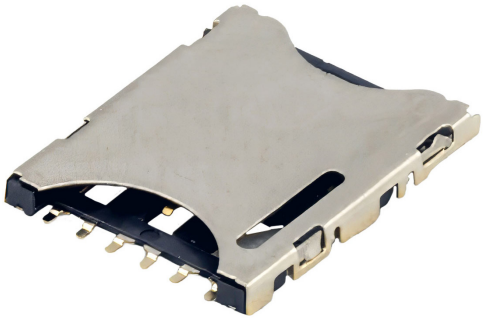
MODEL: NSIM-23-B | DESCRIPTION: NANO SIM CARD CONNECTOR

FEATURES

- nano SIM card connector
- 6 pin
- push in/pull out
- surface mount
- 1.2 mm profile



RoHS

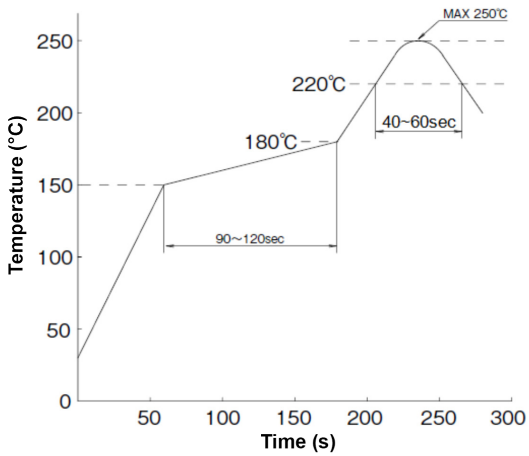
SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
rated voltage				5	V
rated current				0.5	A
contact resistance[1]				100	mΩ
insulation resistance	at 500 Vdc, between adjacent circuits	500			MΩ
voltage withstand	for 1 minute, between adjacent circuits		500		Vdc
insertion force				40	N
withdrawal force		0.5		40	N
life			1,500		cycles
operating temperature		-25		65	°C
flammability rating	UL94V-0				
RoHS	yes				

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

SOLDERABILITY

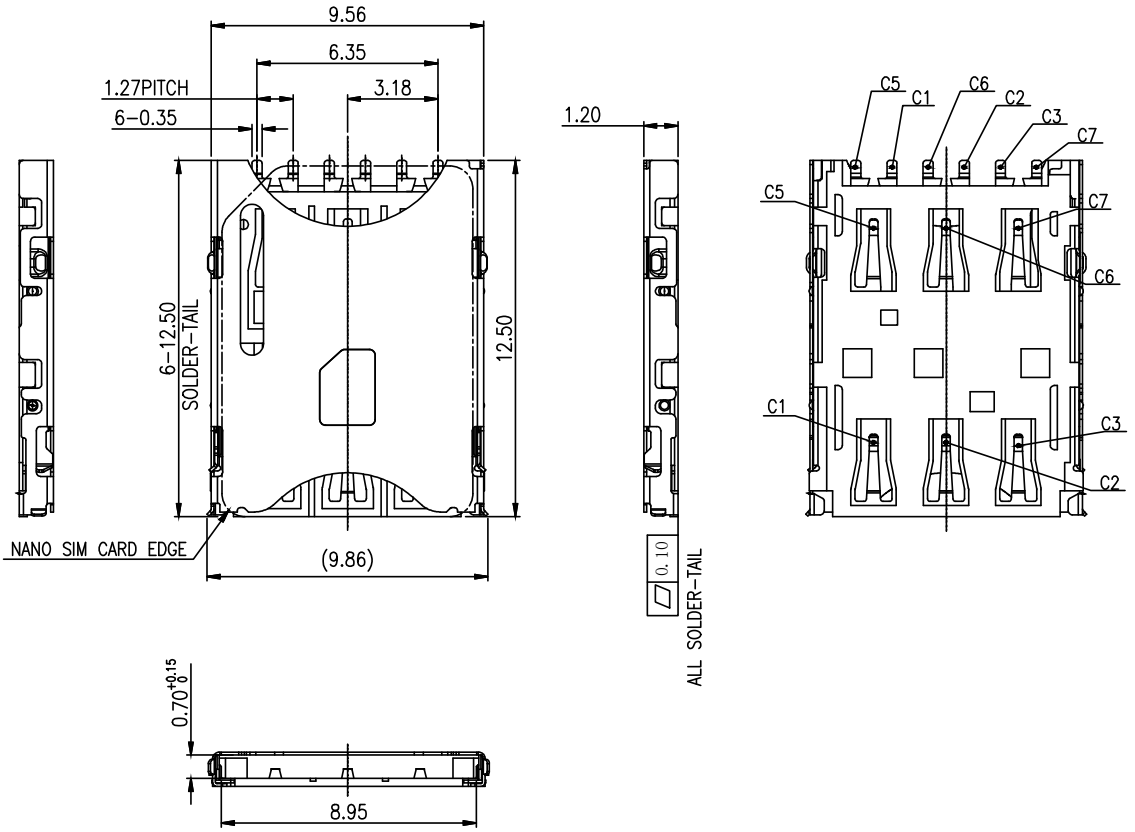
parameter	conditions/description	min	typ	max	units
reel storage	at relative humidity 40~70% reel opened: use within 1 month reel unopened: up to 15 month shelf life	16	22	28	°C
reflow soldering	see reflow profile			250	°C

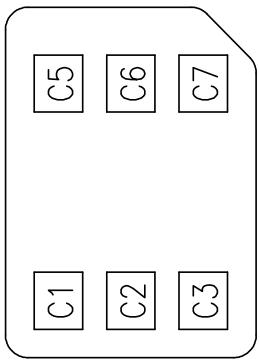


MECHANICAL DRAWING

units: mm
tolerance:
X.X ±0.35 mm
X.XX ±0.25 mm
X.XXX ±0.10 mm
unless otherwise specified

DESCRIPTION	MATERIAL	PLATING/COLOR
housing	LCP (UL94V-0)	black
contact terminals	copper alloy t=0.10 mm	contact area:gold flash over 50 μ" nickel solder area: gold flash over 50 μ" nickel
shell	stainless steel t=0.10 mm	solder area: gold flash over 50 μ" nickel



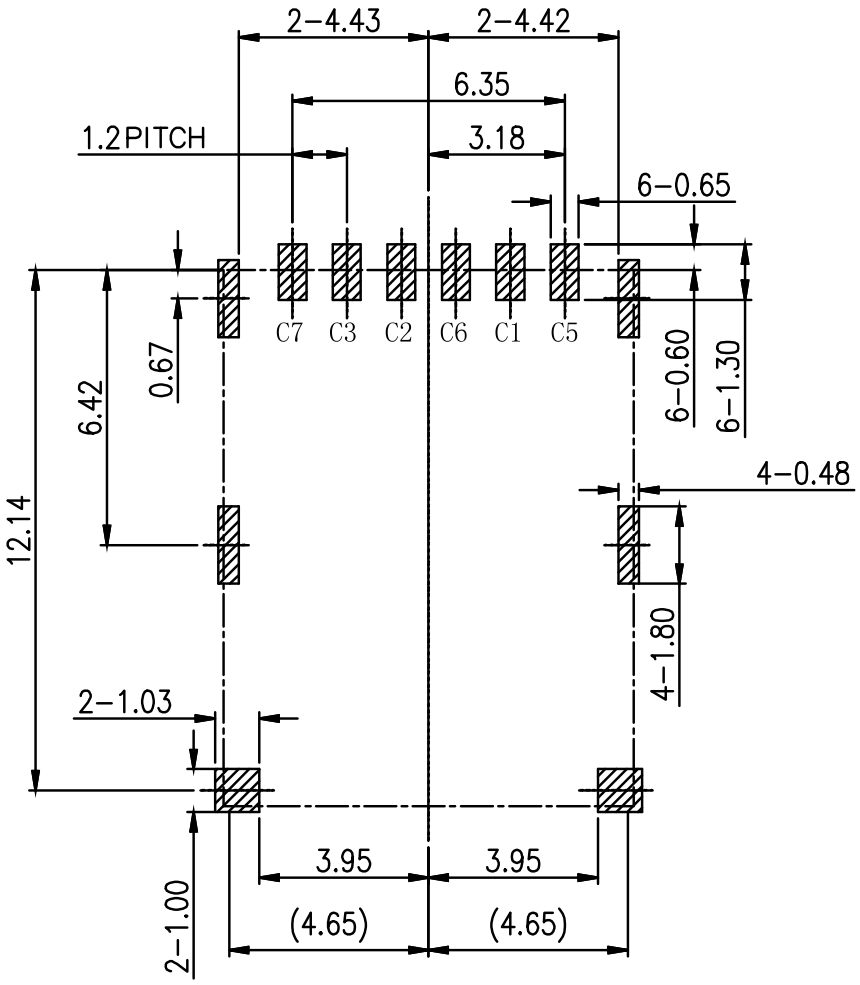


NANO SIM CARD PAD

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	I/O	DATA LINE

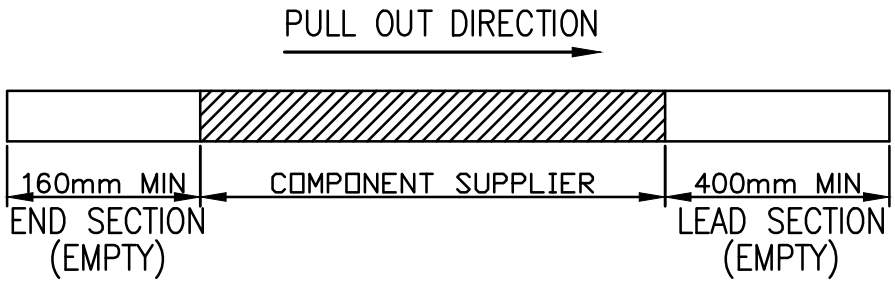


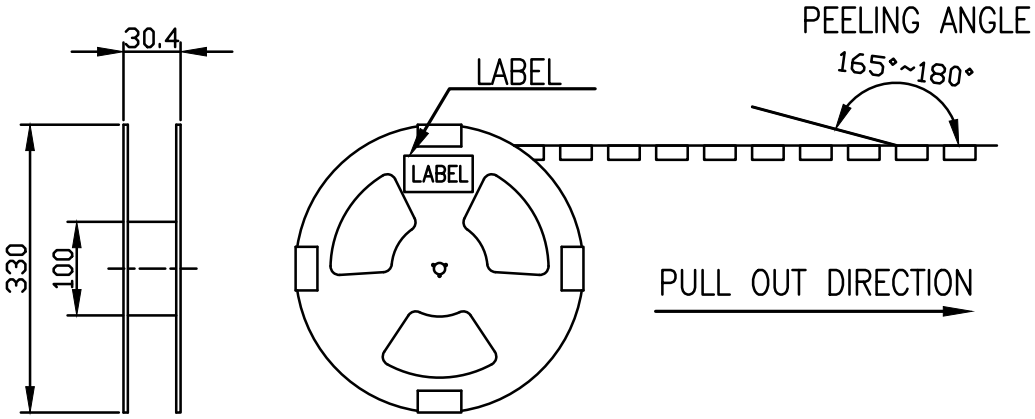
Recommended PCB Layout
Top View

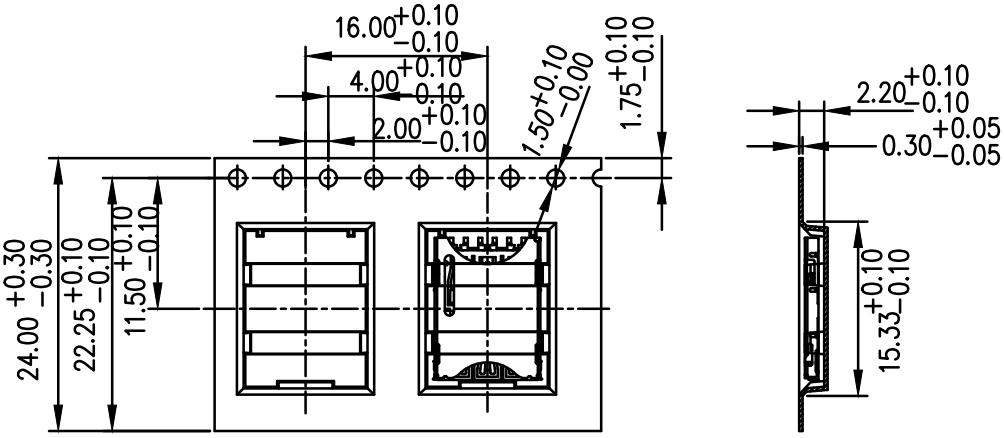
PACKAGING

units: mm

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







PULL OUT DIRECTION

REVISION HISTORY

rev.	description	date
1.0	initial release	10/07/2026

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

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