

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

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

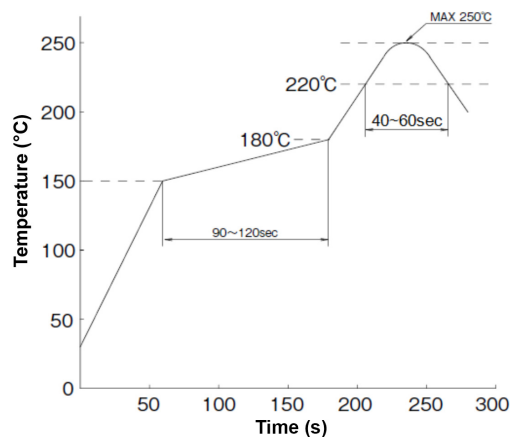
**SPECIFICATIONS**

| parameter                       | conditions/description                  | min   | typ   | max | units  |
|---------------------------------|-----------------------------------------|-------|-------|-----|--------|
| rated voltage                   |                                         |       |       | 30  | V      |
| rated current                   |                                         |       |       | 0.5 | A      |
| contact resistance <sup>1</sup> |                                         |       |       | 100 | mΩ     |
| insulation resistance           | at 500 Vdc, between adjacent circuits   | 1,000 |       |     | MΩ     |
| 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**

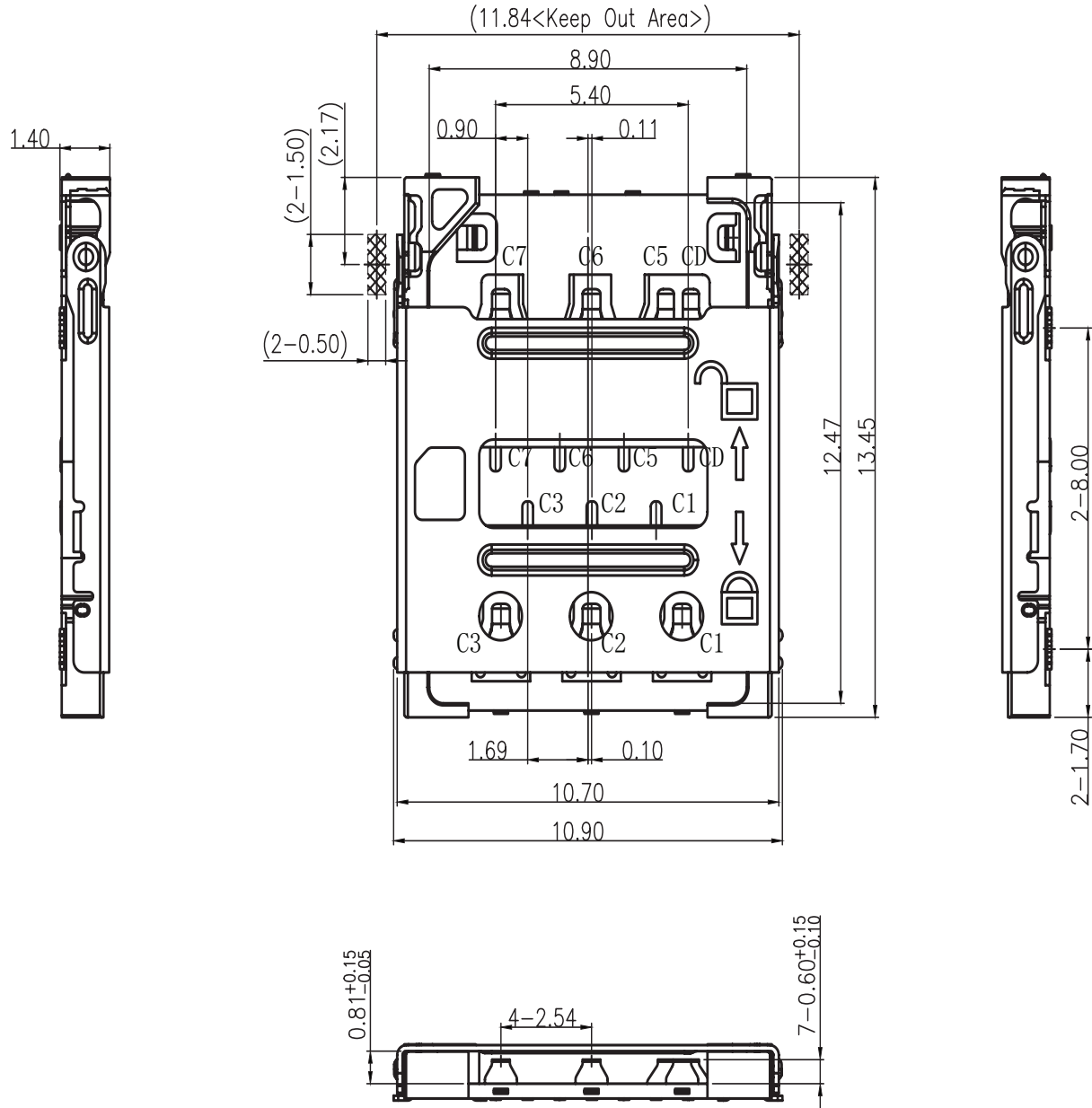
| parameter        | conditions/description                                                                                     | min | typ | max | units |
|------------------|------------------------------------------------------------------------------------------------------------|-----|-----|-----|-------|
| reel storage     | at relative humidity 40~70%<br>reel opened: use within 1 month<br>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

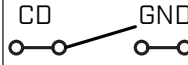
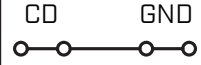
| DESCRIPTION       | MATERIAL                     | PLATING/COLOR                                                                     |
|-------------------|------------------------------|-----------------------------------------------------------------------------------|
| housing           | LCP [UL94V-0]                | black                                                                             |
| contact terminals | phosphor bronze<br>t=0.12 mm | contact area: gold<br>flash over nickel<br>solder area: gold<br>flash over nickel |
| cover             | SUS304 t=0.15 mm             | clean                                                                             |

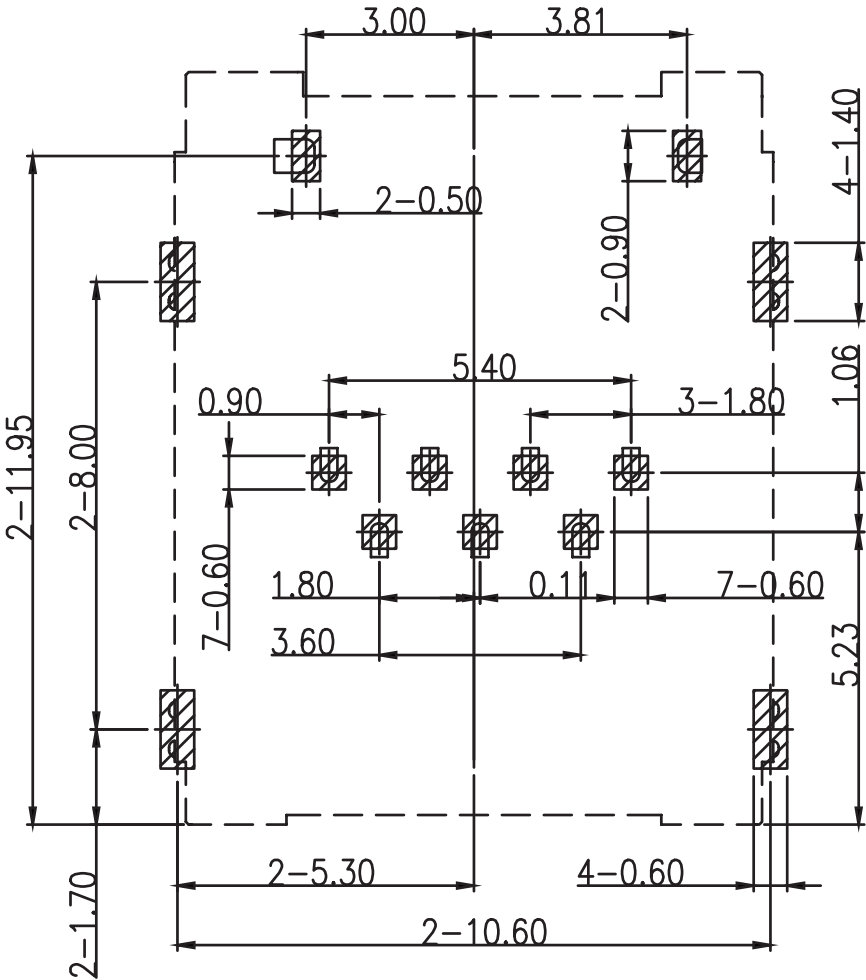


MECHANICAL DRAWING (CONTINUED)

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              | I/O         | DATA LINE           |
| CD              | -           | CARD DETECT SWITCH  |
| GND             | -           | COVER GROUND        |

| CARD STATUS                                                                         |                                                                                     |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| WITHOUT CARD                                                                        | CARD INSERTED                                                                       |
|  |  |



 SMT SOLDER AREA

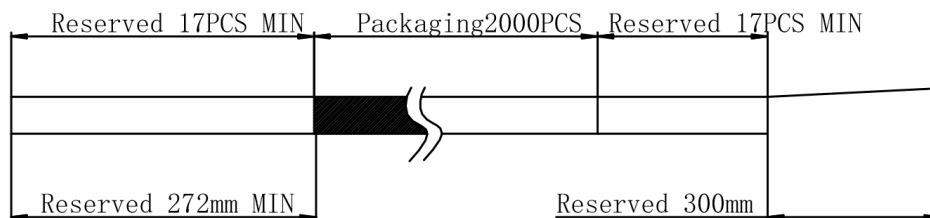
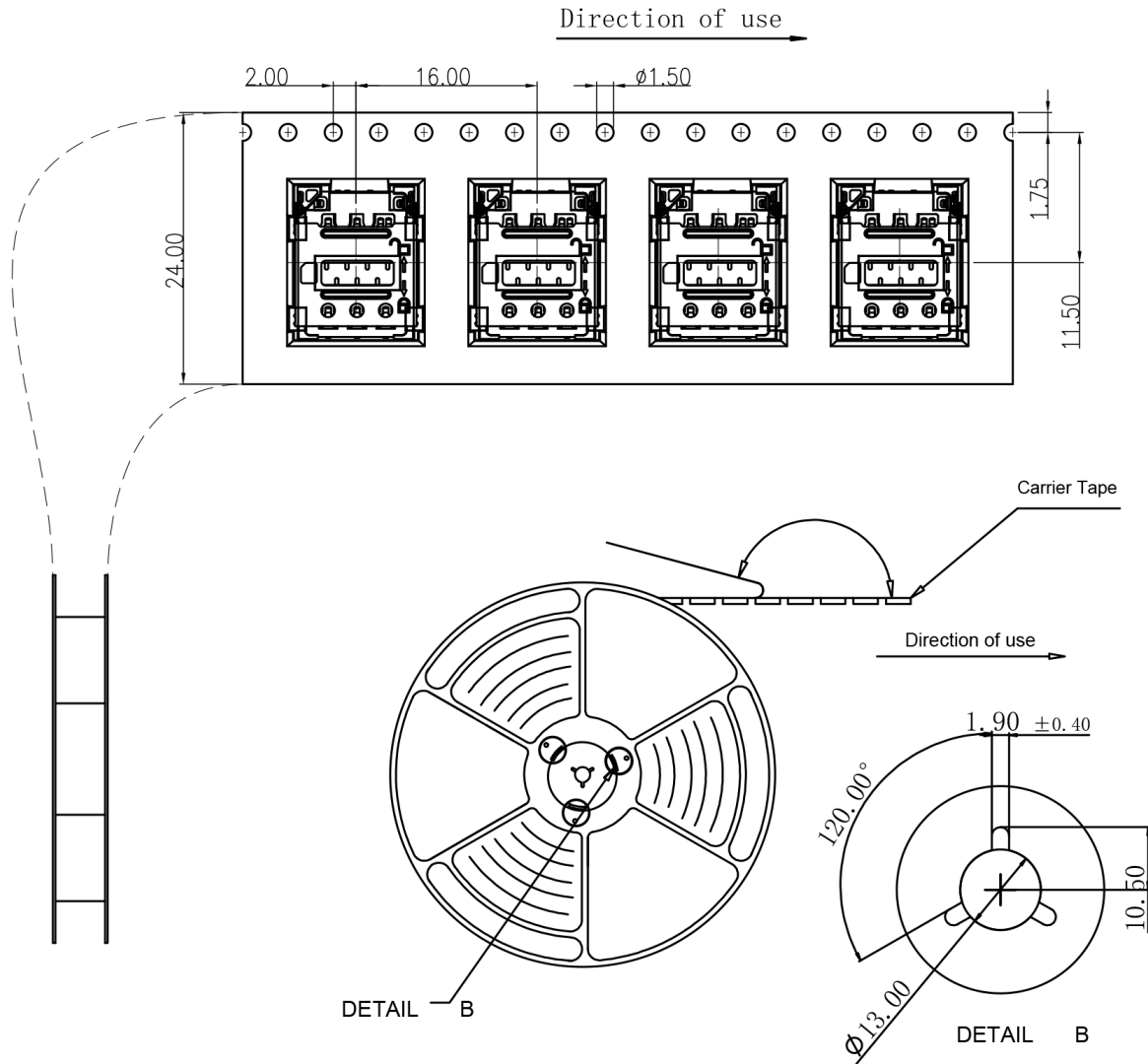
Recommended PCB Layout  
Top View

## PACKAGING

units: mm

Reel Size:  $\varnothing 330$  mm

Reel QTY: 2,000 pcs per reel



REVISION HISTORY

| rev. | description                       | date       |
|------|-----------------------------------|------------|
| 1.0  | initial release                   | 10/25/2023 |
| 1.01 | CUI Devices rebranded to Same Sky | 09/12/2024 |

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



Same Sky offers a one (1) year limited warranty. Complete warranty information is listed on our website.

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Same Sky products are not authorized or warranted for use as critical components in equipment that requires an extremely high level of reliability. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

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