CUI Devices is now Same Sky! Learn More



# MODEL: SIM-9-C | DESCRIPTION: SIM CARD CONNECTOR

## FEATURES

- SIM card connector
- hinged
- gold falsh
- surface mount
- UL94V-0

RoHS

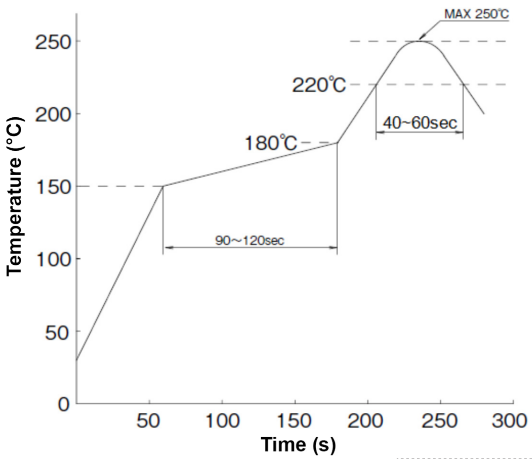
## SPECIFICATIONS

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

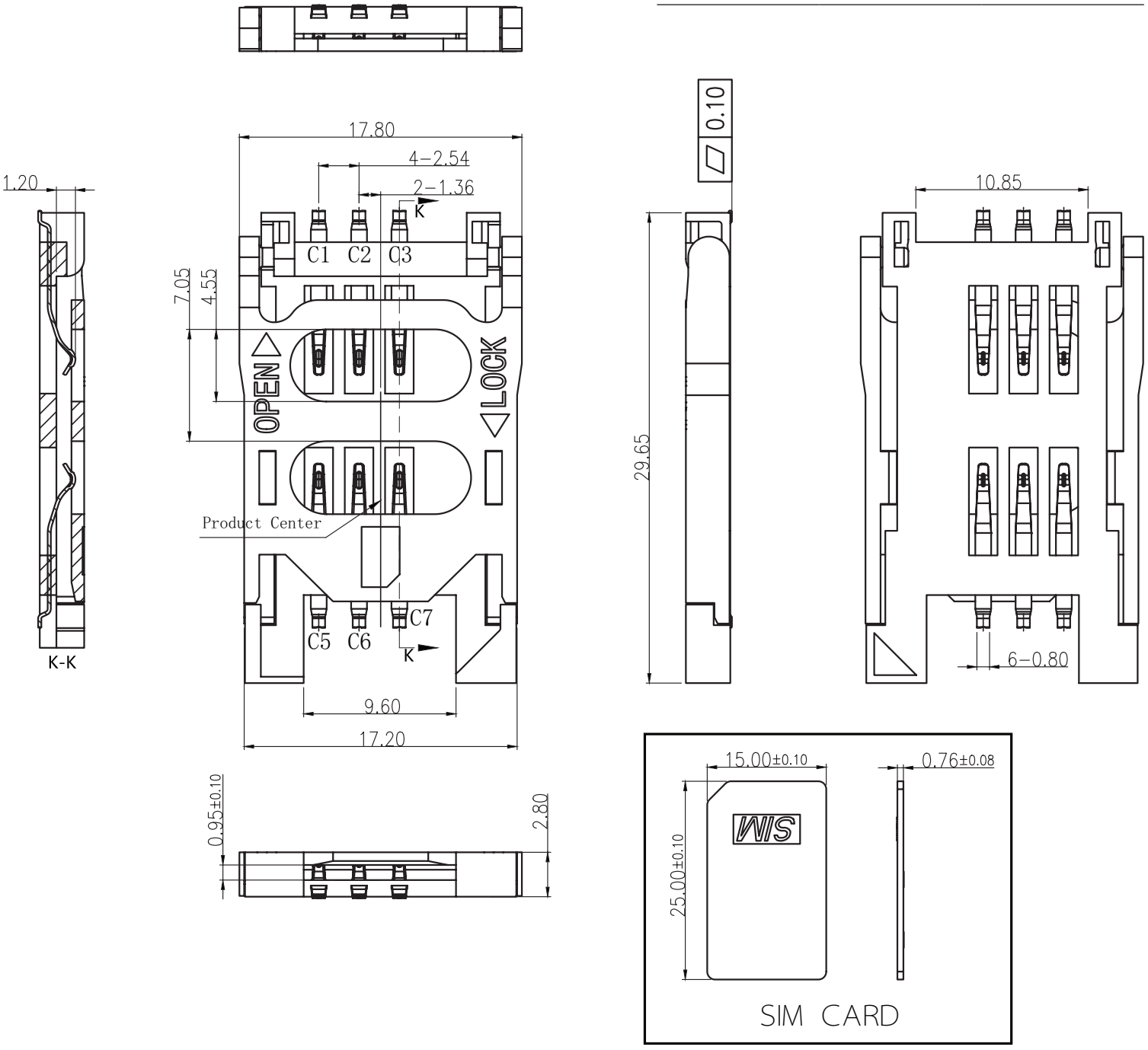
| parameter | conditions/description | min | typ | max | units |
|---|---|---|---|---|---|
| reel storage | at relative humidity 40~70%<br>reel opened: use within 1 month<br>reel unopened: up to 15 month shelf life | 16 | 22 | 28 | °C |
| reflow soldering | see reflow profile | | | 250 | °C |



## MECHANICAL DRAWING

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

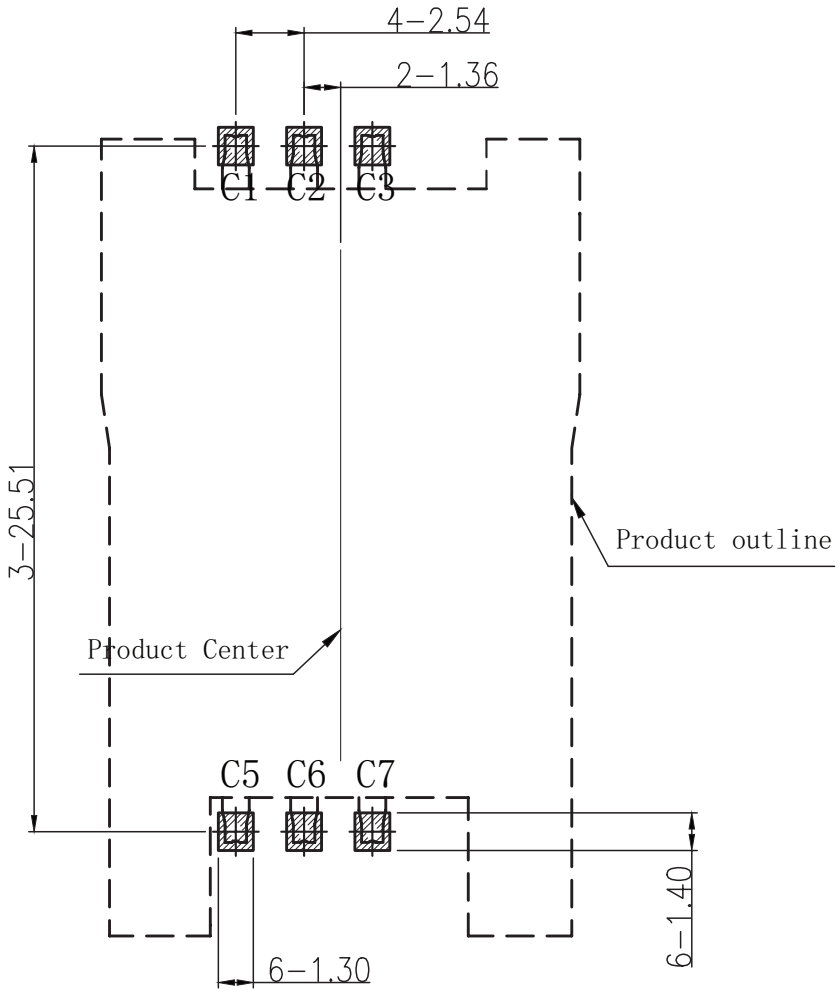
| DESCRIPTION | MATERIAL | PLATING/COLOR |
|---|---|---|
| housing | LCP 30% GF (UL94-0) | white |
| contact terminals | phosphor bronze t=0.20 mm | contact area: gold flash over nickel solder area: tin over nickel |



## MECHANICAL DRAWING (CONTINUED)

units: mm
PCB tolerance: ±0.05 mm

| PIN CONNECTIONS | | |
|---|---|---|
| PIN | SIGNAL NAME | DESCRIPTION |
| C1 | VCC | SUPPLY VOLTAGE |
| C2 | RST | RESETTING |
| C3 | CLK | CLOCK |
| C5 | GND | GROUND |
| C6 | VPP | PROGRAMMING VOLTAGE |
| C7 | I/O | DATA LINE |

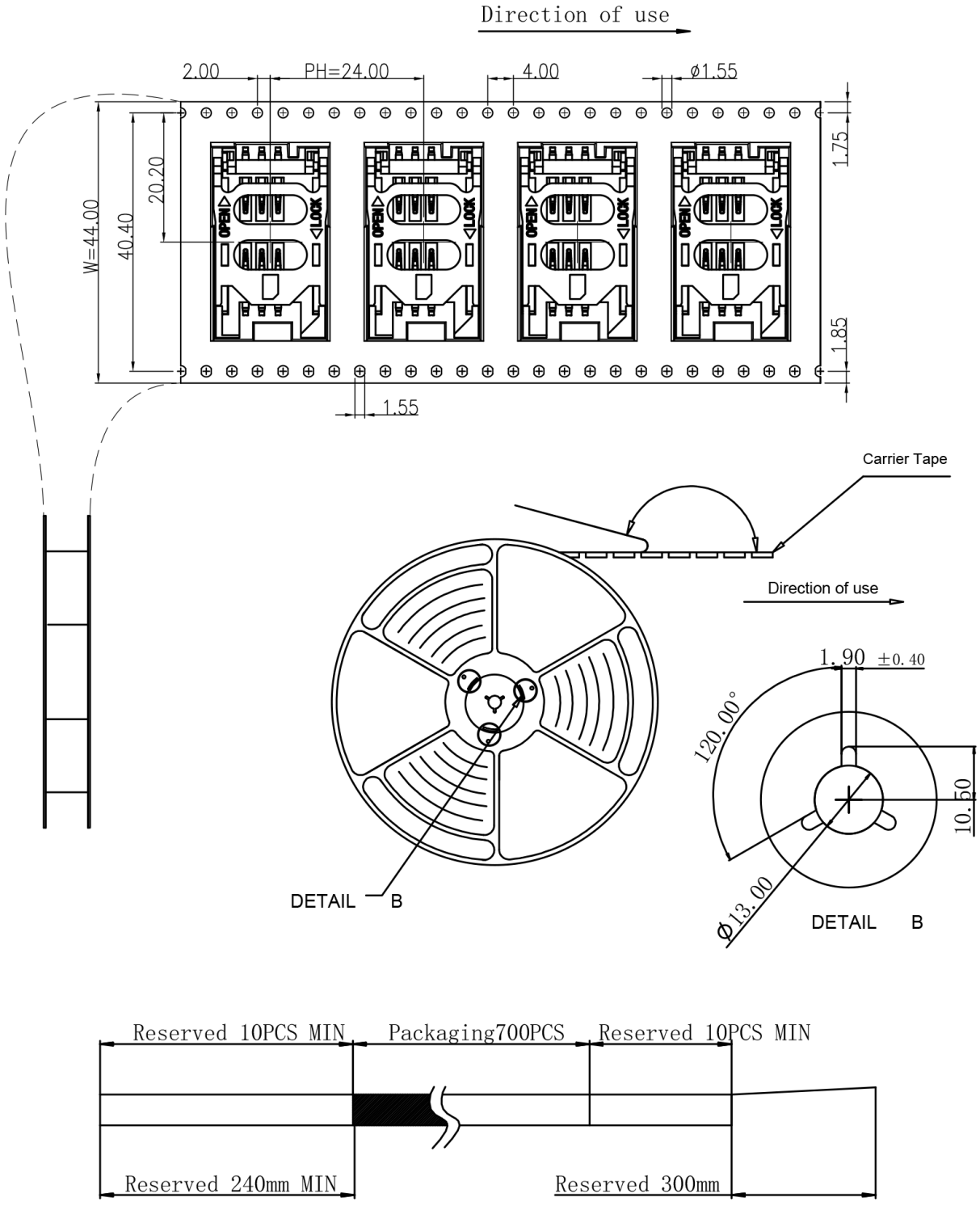



Recommended PCB Layout
Top View

## PACKAGING

units: mm

Reel Size: Ø330 mm
Reel QTY: 700 pcs per reel



## REVISION HISTORY

| rev. | description | date |
|---|---|---|
| 1.0 | initial release | 10/23/2023 |
| 1.01 | CUI Devices rebranded to Same Sky | 09/12/2024 |
| 1.02 | changed manufacturing location | 11/01/2024 |

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.

Same Sky reserves the right to make changes to the product at any time without notice. Information provided by Same Sky is believed to be accurate and reliable. However, no responsibility is assumed by Same Sky for its use, nor for any infringements of patents or other rights of third parties which may result from its use.

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