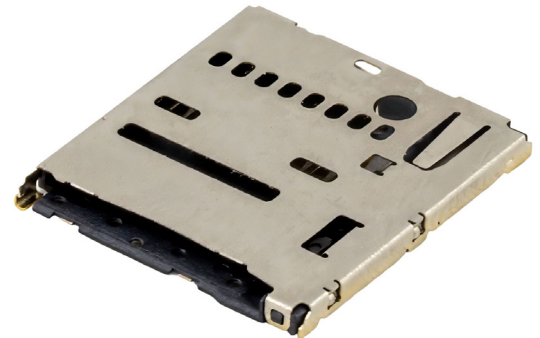


**MODEL:** MSD-17-A | **DESCRIPTION:** MICRO SD CARD CONNECTOR**FEATURES**

- micro SD card connector
- 8 pins
- push in, auto eject out
- surface mount
- 1.25 mm profile

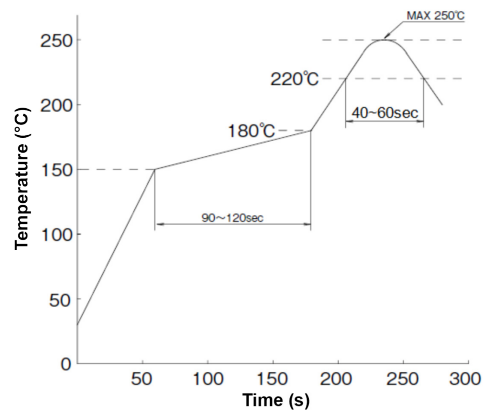
**SPECIFICATIONS**

| parameter                       | conditions/description                  | min   | typ   | max | units  |
|---------------------------------|-----------------------------------------|-------|-------|-----|--------|
| rated voltage                   |                                         |       |       | 5   | 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    |
| insertion force                 |                                         |       |       | 40  | N      |
| withdrawal force                |                                         | 5     |       | 40  | 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.

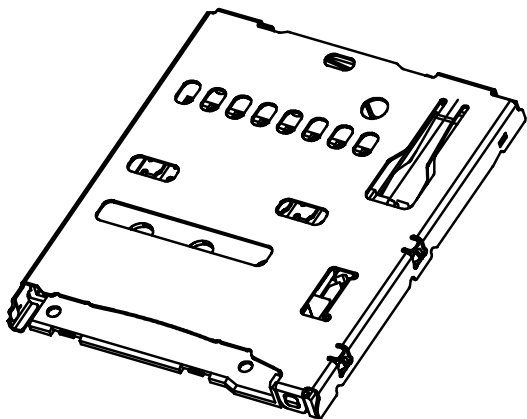
**SOLDERABILITY**

| 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    |

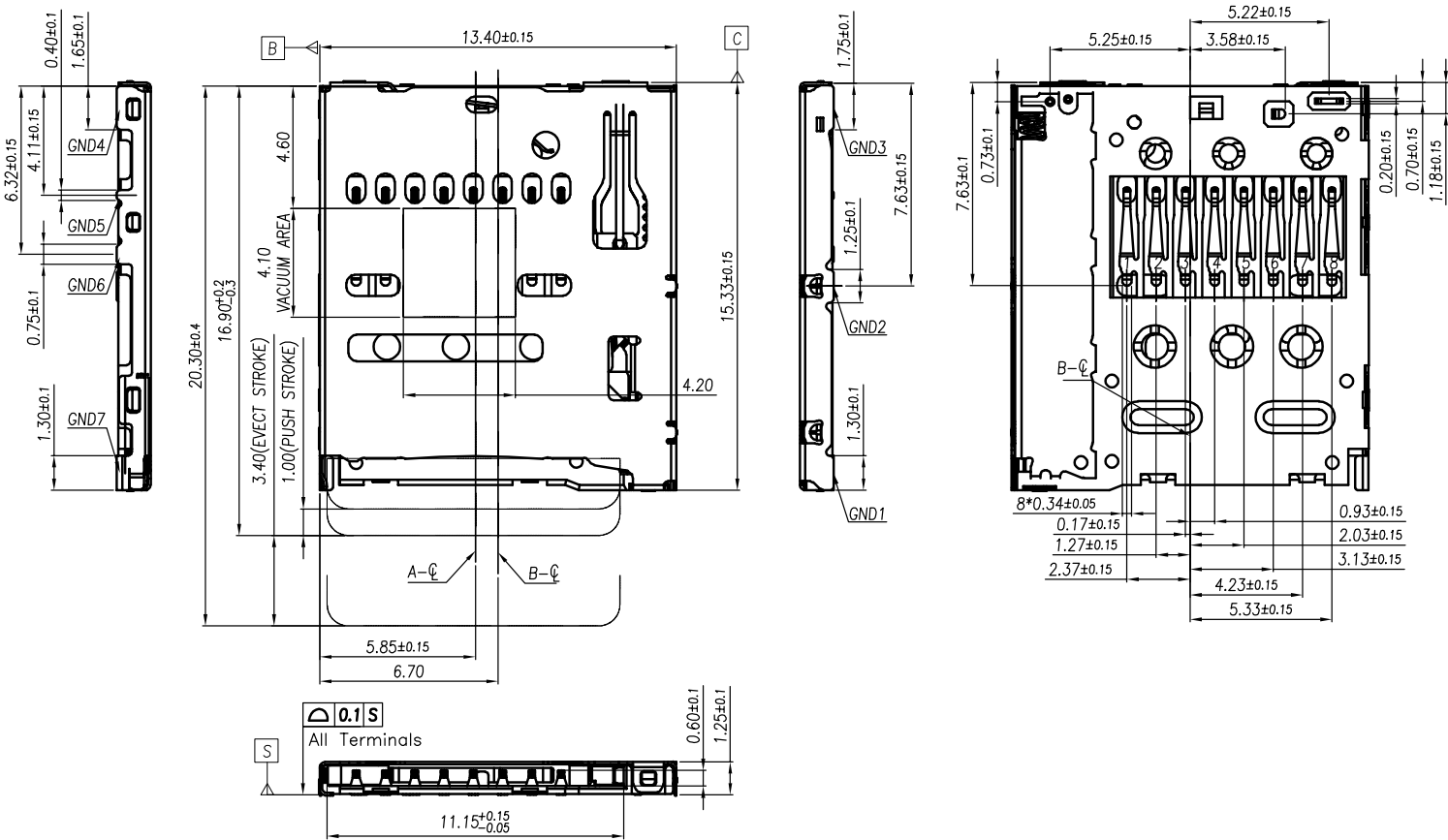


MECHANICAL DRAWING

units: mm  
tolerance:  
X.X  $\pm 0.30$  mm  
X.XX  $\pm 0.20$  mm  
X.XXX  $\pm 0.10$  mm  
unless otherwise specified



| DESCRIPTION       | MATERIAL        | PLATING/COLOR                                                                                                                 |
|-------------------|-----------------|-------------------------------------------------------------------------------------------------------------------------------|
| housing           | LCP [UL94V-0]   | black                                                                                                                         |
| contact terminals | copper alloy    | contact area: 1 $\mu$ "<br>min gold over 80 $\mu$ "<br>nickel<br>solder area: 1 $\mu$ "<br>min gold over 80 $\mu$ "<br>nickel |
| cover             | stainless steel | contact area: gold<br>flash over 50 $\mu$ "<br>nickel<br>solder area: gold<br>flash over 50 $\mu$ "<br>nickel                 |



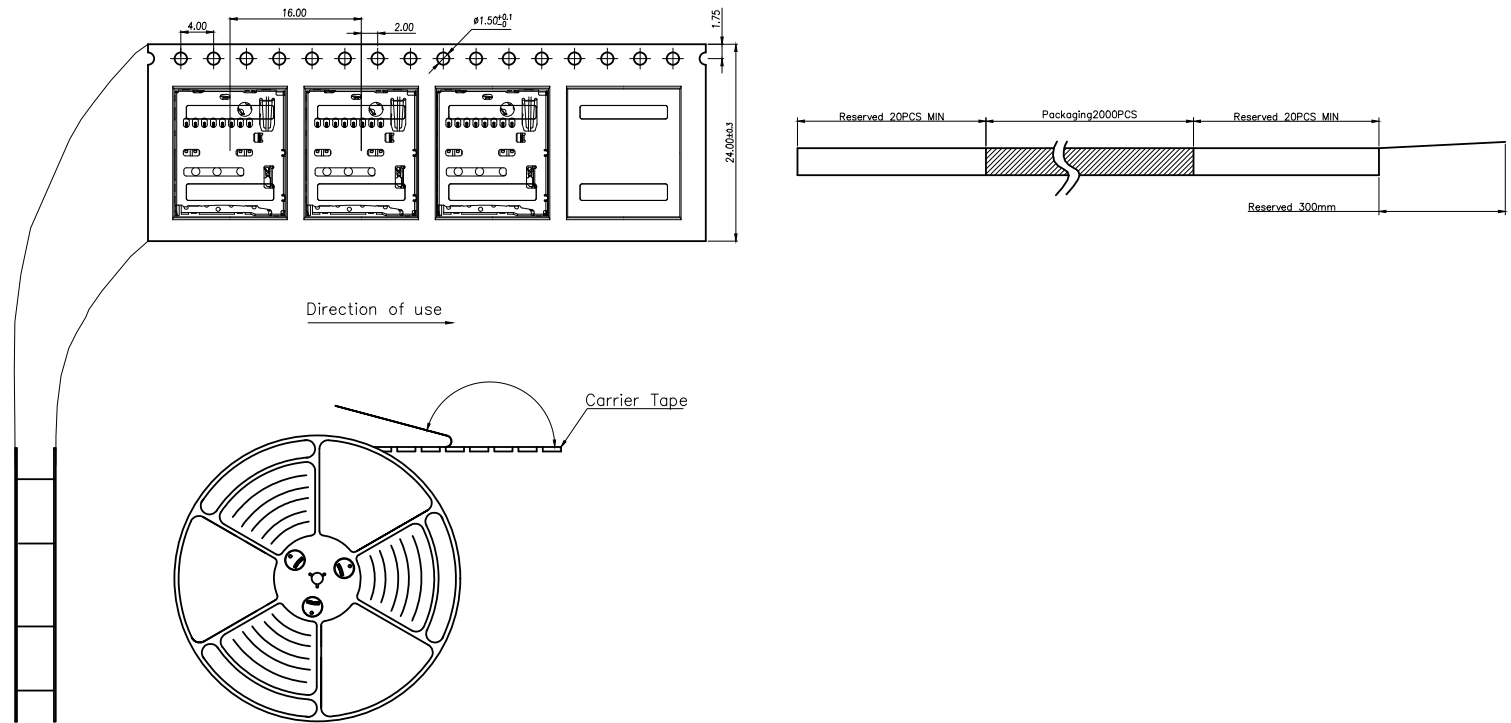
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## PACKAGING

units: mm

Reel Size: Ø330 mm

Reel QTY: 2,000 pcs per reel



REVISION HISTORY

| rev. | description     | date       |
|------|-----------------|------------|
| 1.0  | initial release | 10/06/2026 |

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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