

| PREVIOUS CUI DEVICES DETAIL / IMAGE | | | NEW CUI DEVICES DETAIL / IMAGE | | |
|-------------------------------------|--------------|---------|--------------------------------|-----------------|---------------|
| | MATERIAL | PLATING | | DESCRIPTION | PLATING/COLOR |
| terminal 1 | copper alloy | silver | terminal 1 | phosphor bronze | silver |
| terminal 2 | copper alloy | silver | terminal 2 | phosphor bronze | silver |
| terminal 3 | copper alloy | silver | terminal 3 | phosphor bronze | silver |
| terminal 4 | copper alloy | silver | terminal 4 | phosphor bronze | silver |
| plastic | PA10T | | housing | PA9T (UL94V-0) | black |

SPECIFICATIONS

| parameter | conditions/description | min | typ | max | units |
|---------------------------------|--|-----|-------|-----------|--------|
| rated input voltage | | | 12 | | Vdc |
| rated input current | | | | 1 | A |
| contact resistance ¹ | between terminal and mating plug between terminal in a closed circuit | | | 150 30 | mΩ |
| insulation resistance | at 500 Vdc | 100 | | | MΩ |
| voltage withstand | for 1 minute | | | 500 | Vac |
| insertion/withdrawal force | | 0.3 | | 3 | kg |
| operating temperature | | -25 | | 85 | °C |
| life | at a rate of 24 cycles/minute | | 5,000 | | cycles |
| flammability rating | UL94V-0 | | | | |
| RoHS | yes | | | | |

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| RoHS | yes | | | | |

SOLDERABILITY

| parameter | conditions/description | min | typ | max | units |
|-------------------------------|---------------------------|-----|-----|-----|-------|
| reel storage | at relative humidity <80% | | | 40 | °C |
| reflow soldering ¹ | see reflow profile | 255 | 260 | 265 | °C |

drying conditions²

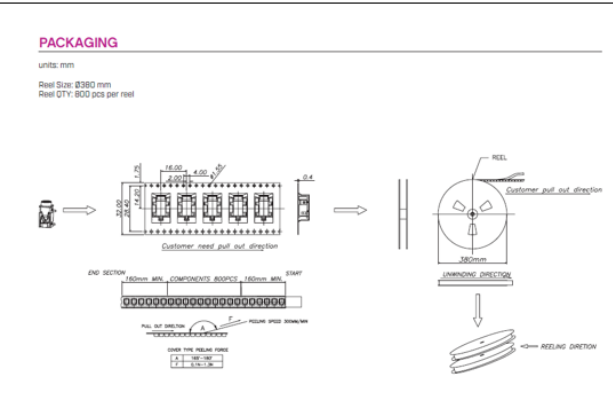
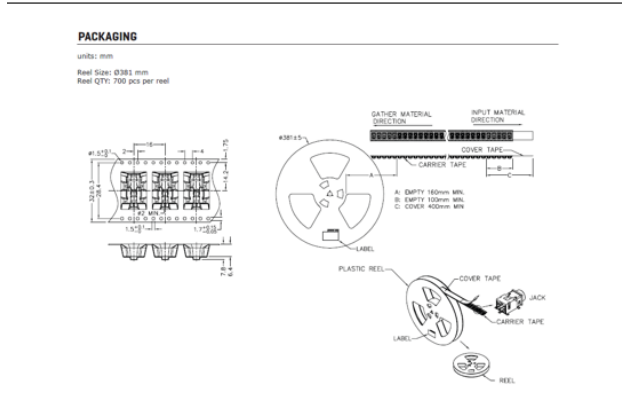
parts in reel: bake at 40°C ±5°C for 72 hours
parts removed from reel: bake at 40°C ±5°C for 10 hours

Note: 1. Must reflow solder within 72 hours from opening vacuum packaging at a temperature <30°C & relative humidity <60%.
2. When exceeding floor life by >72 hours.

SOLDERABILITY

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|------------------|------------------------|-----|-----|-----|-------|
| reel storage | <40°C, <80% humidity | | | | |
| reflow soldering | see reflow profile | 255 | 260 | 265 | °C |

Note: 1. CUI Devices recommends usage of the product within 24 hours after TSS is opened. After 24 hours, CUI Devices recommends drying the parts prior to use.





Affected Date Code: **10/01/2023**

Product Availability: *Pertaining to market availability*

PCN Approval:

Operations/Quality

A handwritten signature in black ink, appearing to read "Robert Aguirre", written over a horizontal line.

Product Management

A handwritten signature in black ink, appearing to read "J. [unclear]", written over a horizontal line. The signature is contained within a light gray rectangular box.