

# Product Change Notice (PCN)

**Date:** 3/9/2023

**PCN Number:** PCN-0454846R-01

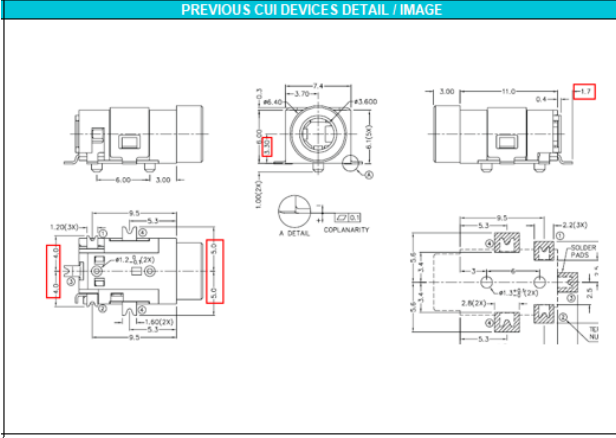
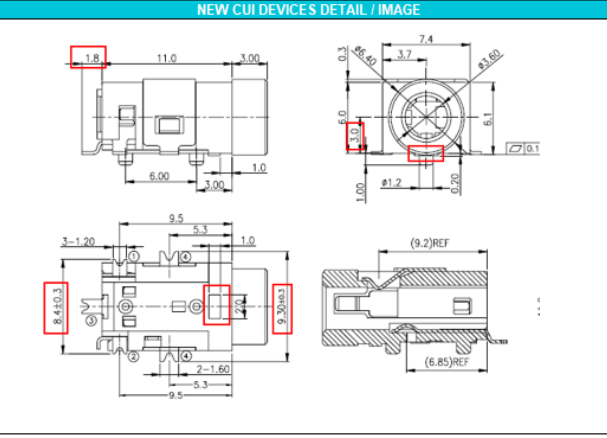
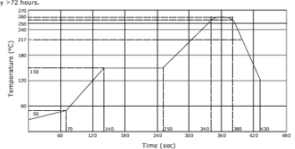
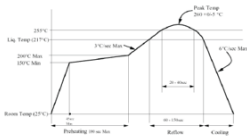
To Our Customers:

We appreciate your use of our products. Our commitment in maintaining and improving processes is demonstrated by plans to enhance our product quality, reliability, and manufacturability. The purpose of this notice is to inform you of a product change.

Product(s) Affected: SJ2-3594A-SMT-TR

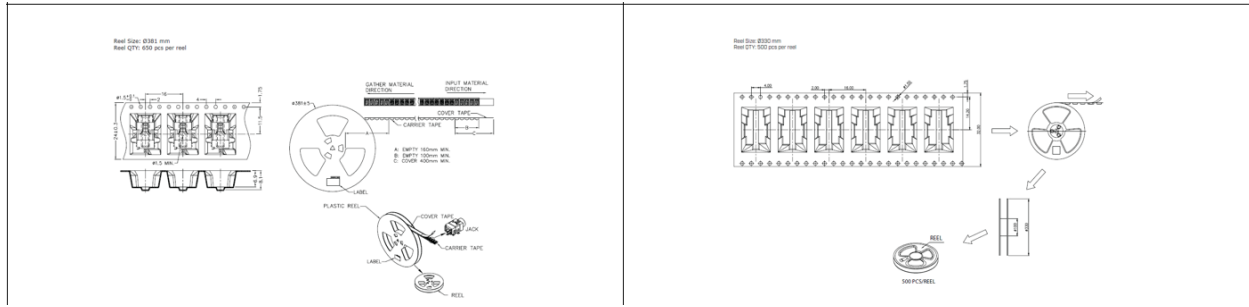
Reason(s) for Change: *Manufacturing process improvements*

Description of Change: mechanical, packaging, electrical, and soldering differences as shown below:

| PREVIOUS CUI DEVICES DETAIL / IMAGE   | NEW CUI DEVICES DETAIL / IMAGE   |                        |       |     |        |       |                     |                           |  |    |    |     |                               |                    |     |     |     |    |                                 |  |  |  |    |    |  |                                      |                        |     |     |     |                       |              |                      |  |  |    |                   |                  |                    |     |     |     |                            |  |     |  |   |    |                       |  |     |  |    |    |      |                               |  |       |  |        |                     |         |  |  |  |  |      |     |  |  |  |  |   |           |                        |     |     |     |       |                     |  |  |    |  |     |                     |  |  |   |  |   |                                 |                                  |  |  |     |    |  |                                      |  |  |    |    |                       |            |     |  |  |    |                   |              |  |     |  |     |                            |  |     |  |   |    |                       |  |     |  |    |    |      |                               |  |       |  |        |                     |         |  |  |  |  |      |     |  |  |  |  |
|---|--|------------------------|-------|-----|--------|-------|---------------------|---------------------------|--|----|----|-----|-------------------------------|--------------------|-----|-----|-----|----|---------------------------------|--|--|--|----|----|--|--------------------------------------|------------------------|-----|-----|-----|-----------------------|--------------|----------------------|--|--|----|-------------------|------------------|--------------------|-----|-----|-----|----------------------------|--|-----|--|---|----|-----------------------|--|-----|--|----|----|------|-------------------------------|--|-------|--|--------|---------------------|---------|--|--|--|--|------|-----|--|--|--|--|---|-----------|------------------------|-----|-----|-----|-------|---------------------|--|--|----|--|-----|---------------------|--|--|---|--|---|---------------------------------|----------------------------------|--|--|-----|----|--|--------------------------------------|--|--|----|----|-----------------------|------------|-----|--|--|----|-------------------|--------------|--|-----|--|-----|----------------------------|--|-----|--|---|----|-----------------------|--|-----|--|----|----|------|-------------------------------|--|-------|--|--------|---------------------|---------|--|--|--|--|------|-----|--|--|--|--|
|   |                       |                        |       |     |        |       |                     |                           |  |    |    |     |                               |                    |     |     |     |    |                                 |  |  |  |    |    |  |                                      |                        |     |     |     |                       |              |                      |  |  |    |                   |                  |                    |     |     |     |                            |  |     |  |   |    |                       |  |     |  |    |    |      |                               |  |       |  |        |                     |         |  |  |  |  |      |     |  |  |  |  |   |           |                        |     |     |     |       |                     |  |  |    |  |     |                     |  |  |   |  |   |                                 |                                  |  |  |     |    |  |                                      |  |  |    |    |                       |            |     |  |  |    |                   |              |  |     |  |     |                            |  |     |  |   |    |                       |  |     |  |    |    |      |                               |  |       |  |        |                     |         |  |  |  |  |      |     |  |  |  |  |
| <p><b>SPECIFICATIONS</b></p> <table border="1"> <thead> <tr> <th>parameter</th> <th>conditions/description</th> <th>min</th> <th>typ</th> <th>max</th> <th>units</th> </tr> </thead> <tbody> <tr> <td>rated input voltage</td> <td></td> <td></td> <td>12</td> <td></td> <td>Vdc</td> </tr> <tr> <td>rated input current</td> <td></td> <td></td> <td>1</td> <td></td> <td>A</td> </tr> <tr> <td>contact resistance<sup>1</sup></td> <td>between terminal and mating plug</td> <td></td> <td></td> <td>50</td> <td>mΩ</td> </tr> <tr> <td></td> <td>between terminal in a closed circuit</td> <td></td> <td></td> <td>30</td> <td>mΩ</td> </tr> <tr> <td>insulation resistance</td> <td>at 500 Vdc</td> <td>100</td> <td></td> <td></td> <td>MΩ</td> </tr> <tr> <td>voltage withstand</td> <td>for 1 minute</td> <td></td> <td>500</td> <td></td> <td>Vdc</td> </tr> <tr> <td>insertion/withdrawal force</td> <td></td> <td>0.3</td> <td></td> <td>3</td> <td>kg</td> </tr> <tr> <td>operating temperature</td> <td></td> <td>-25</td> <td></td> <td>85</td> <td>°C</td> </tr> <tr> <td>life</td> <td>at a rate of 24 cycles/minute</td> <td></td> <td>5,000</td> <td></td> <td>cycles</td> </tr> <tr> <td>flammability rating</td> <td>UL94V-0</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>RoHS</td> <td>yes</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p><small>Notes:<br/> 1. When measured at a current of less than 100 mA/1 Hz.<br/> 2. All specifications measured at 10-35°C humidity at 45-85% humidity, under standard atmospheric pressure, unless otherwise noted.</small></p> | parameter  | conditions/description | min   | typ | max    | units | rated input voltage |                           |  | 12 |    | Vdc | rated input current           |                    |     | 1   |     | A  | contact resistance <sup>1</sup> | between terminal and mating plug   |  |  | 50 | mΩ |  | between terminal in a closed circuit |                        |     | 30  | mΩ  | insulation resistance | at 500 Vdc   | 100                  |  |  | MΩ | voltage withstand | for 1 minute     |                    | 500 |     | Vdc | 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 |  |  |  |  | <p><b>SPECIFICATIONS</b></p> <table border="1"> <thead> <tr> <th>parameter</th> <th>conditions/description</th> <th>min</th> <th>typ</th> <th>max</th> <th>units</th> </tr> </thead> <tbody> <tr> <td>rated input voltage</td> <td></td> <td></td> <td>12</td> <td></td> <td>Vdc</td> </tr> <tr> <td>rated input current</td> <td></td> <td></td> <td>1</td> <td></td> <td>A</td> </tr> <tr> <td>contact resistance<sup>1</sup></td> <td>between terminal and mating plug</td> <td></td> <td></td> <td>100</td> <td>mΩ</td> </tr> <tr> <td></td> <td>between terminal in a closed circuit</td> <td></td> <td></td> <td>30</td> <td>mΩ</td> </tr> <tr> <td>insulation resistance</td> <td>at 500 Vdc</td> <td>100</td> <td></td> <td></td> <td>MΩ</td> </tr> <tr> <td>voltage withstand</td> <td>for 1 minute</td> <td></td> <td>500</td> <td></td> <td>Vdc</td> </tr> <tr> <td>insertion/withdrawal force</td> <td></td> <td>0.3</td> <td></td> <td>3</td> <td>kg</td> </tr> <tr> <td>operating temperature</td> <td></td> <td>-25</td> <td></td> <td>85</td> <td>°C</td> </tr> <tr> <td>life</td> <td>at a rate of 24 cycles/minute</td> <td></td> <td>5,000</td> <td></td> <td>cycles</td> </tr> <tr> <td>flammability rating</td> <td>UL94V-0</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>RoHS</td> <td>yes</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | parameter | conditions/description | min | typ | max | units | rated input voltage |  |  | 12 |  | Vdc | rated input current |  |  | 1 |  | A | contact resistance <sup>1</sup> | between terminal and mating plug |  |  | 100 | mΩ |  | between terminal in a closed circuit |  |  | 30 | mΩ | insulation resistance | at 500 Vdc | 100 |  |  | MΩ | voltage withstand | for 1 minute |  | 500 |  | Vdc | 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 |  |  |  |  |
| parameter   | conditions/description   | min                    | typ   | max | units  |       |                     |                           |  |    |    |     |                               |                    |     |     |     |    |                                 |  |  |  |    |    |  |                                      |                        |     |     |     |                       |              |                      |  |  |    |                   |                  |                    |     |     |     |                            |  |     |  |   |    |                       |  |     |  |    |    |      |                               |  |       |  |        |                     |         |  |  |  |  |      |     |  |  |  |  |   |           |                        |     |     |     |       |                     |  |  |    |  |     |                     |  |  |   |  |   |                                 |                                  |  |  |     |    |  |                                      |  |  |    |    |                       |            |     |  |  |    |                   |              |  |     |  |     |                            |  |     |  |   |    |                       |  |     |  |    |    |      |                               |  |       |  |        |                     |         |  |  |  |  |      |     |  |  |  |  |
| rated input voltage   |  |                        | 12    |     | Vdc    |       |                     |                           |  |    |    |     |                               |                    |     |     |     |    |                                 |  |  |  |    |    |  |                                      |                        |     |     |     |                       |              |                      |  |  |    |                   |                  |                    |     |     |     |                            |  |     |  |   |    |                       |  |     |  |    |    |      |                               |  |       |  |        |                     |         |  |  |  |  |      |     |  |  |  |  |   |           |                        |     |     |     |       |                     |  |  |    |  |     |                     |  |  |   |  |   |                                 |                                  |  |  |     |    |  |                                      |  |  |    |    |                       |            |     |  |  |    |                   |              |  |     |  |     |                            |  |     |  |   |    |                       |  |     |  |    |    |      |                               |  |       |  |        |                     |         |  |  |  |  |      |     |  |  |  |  |
| rated input current   |  |                        | 1     |     | A      |       |                     |                           |  |    |    |     |                               |                    |     |     |     |    |                                 |  |  |  |    |    |  |                                      |                        |     |     |     |                       |              |                      |  |  |    |                   |                  |                    |     |     |     |                            |  |     |  |   |    |                       |  |     |  |    |    |      |                               |  |       |  |        |                     |         |  |  |  |  |      |     |  |  |  |  |   |           |                        |     |     |     |       |                     |  |  |    |  |     |                     |  |  |   |  |   |                                 |                                  |  |  |     |    |  |                                      |  |  |    |    |                       |            |     |  |  |    |                   |              |  |     |  |     |                            |  |     |  |   |    |                       |  |     |  |    |    |      |                               |  |       |  |        |                     |         |  |  |  |  |      |     |  |  |  |  |
| contact resistance <sup>1</sup>   | between terminal and mating plug   |                        |       | 50  | mΩ     |       |                     |                           |  |    |    |     |                               |                    |     |     |     |    |                                 |  |  |  |    |    |  |                                      |                        |     |     |     |                       |              |                      |  |  |    |                   |                  |                    |     |     |     |                            |  |     |  |   |    |                       |  |     |  |    |    |      |                               |  |       |  |        |                     |         |  |  |  |  |      |     |  |  |  |  |   |           |                        |     |     |     |       |                     |  |  |    |  |     |                     |  |  |   |  |   |                                 |                                  |  |  |     |    |  |                                      |  |  |    |    |                       |            |     |  |  |    |                   |              |  |     |  |     |                            |  |     |  |   |    |                       |  |     |  |    |    |      |                               |  |       |  |        |                     |         |  |  |  |  |      |     |  |  |  |  |
|   | between terminal in a closed circuit   |                        |       | 30  | mΩ     |       |                     |                           |  |    |    |     |                               |                    |     |     |     |    |                                 |  |  |  |    |    |  |                                      |                        |     |     |     |                       |              |                      |  |  |    |                   |                  |                    |     |     |     |                            |  |     |  |   |    |                       |  |     |  |    |    |      |                               |  |       |  |        |                     |         |  |  |  |  |      |     |  |  |  |  |   |           |                        |     |     |     |       |                     |  |  |    |  |     |                     |  |  |   |  |   |                                 |                                  |  |  |     |    |  |                                      |  |  |    |    |                       |            |     |  |  |    |                   |              |  |     |  |     |                            |  |     |  |   |    |                       |  |     |  |    |    |      |                               |  |       |  |        |                     |         |  |  |  |  |      |     |  |  |  |  |
| insulation resistance   | at 500 Vdc   | 100                    |       |     | MΩ     |       |                     |                           |  |    |    |     |                               |                    |     |     |     |    |                                 |  |  |  |    |    |  |                                      |                        |     |     |     |                       |              |                      |  |  |    |                   |                  |                    |     |     |     |                            |  |     |  |   |    |                       |  |     |  |    |    |      |                               |  |       |  |        |                     |         |  |  |  |  |      |     |  |  |  |  |   |           |                        |     |     |     |       |                     |  |  |    |  |     |                     |  |  |   |  |   |                                 |                                  |  |  |     |    |  |                                      |  |  |    |    |                       |            |     |  |  |    |                   |              |  |     |  |     |                            |  |     |  |   |    |                       |  |     |  |    |    |      |                               |  |       |  |        |                     |         |  |  |  |  |      |     |  |  |  |  |
| voltage withstand   | for 1 minute   |                        | 500   |     | Vdc    |       |                     |                           |  |    |    |     |                               |                    |     |     |     |    |                                 |  |  |  |    |    |  |                                      |                        |     |     |     |                       |              |                      |  |  |    |                   |                  |                    |     |     |     |                            |  |     |  |   |    |                       |  |     |  |    |    |      |                               |  |       |  |        |                     |         |  |  |  |  |      |     |  |  |  |  |   |           |                        |     |     |     |       |                     |  |  |    |  |     |                     |  |  |   |  |   |                                 |                                  |  |  |     |    |  |                                      |  |  |    |    |                       |            |     |  |  |    |                   |              |  |     |  |     |                            |  |     |  |   |    |                       |  |     |  |    |    |      |                               |  |       |  |        |                     |         |  |  |  |  |      |     |  |  |  |  |
| 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  |                        |       |     |        |       |                     |                           |  |    |    |     |                               |                    |     |     |     |    |                                 |  |  |  |    |    |  |                                      |                        |     |     |     |                       |              |                      |  |  |    |                   |                  |                    |     |     |     |                            |  |     |  |   |    |                       |  |     |  |    |    |      |                               |  |       |  |        |                     |         |  |  |  |  |      |     |  |  |  |  |   |           |                        |     |     |     |       |                     |  |  |    |  |     |                     |  |  |   |  |   |                                 |                                  |  |  |     |    |  |                                      |  |  |    |    |                       |            |     |  |  |    |                   |              |  |     |  |     |                            |  |     |  |   |    |                       |  |     |  |    |    |      |                               |  |       |  |        |                     |         |  |  |  |  |      |     |  |  |  |  |
| parameter   | conditions/description   | min                    | typ   | max | units  |       |                     |                           |  |    |    |     |                               |                    |     |     |     |    |                                 |  |  |  |    |    |  |                                      |                        |     |     |     |                       |              |                      |  |  |    |                   |                  |                    |     |     |     |                            |  |     |  |   |    |                       |  |     |  |    |    |      |                               |  |       |  |        |                     |         |  |  |  |  |      |     |  |  |  |  |   |           |                        |     |     |     |       |                     |  |  |    |  |     |                     |  |  |   |  |   |                                 |                                  |  |  |     |    |  |                                      |  |  |    |    |                       |            |     |  |  |    |                   |              |  |     |  |     |                            |  |     |  |   |    |                       |  |     |  |    |    |      |                               |  |       |  |        |                     |         |  |  |  |  |      |     |  |  |  |  |
| rated input voltage   |  |                        | 12    |     | Vdc    |       |                     |                           |  |    |    |     |                               |                    |     |     |     |    |                                 |  |  |  |    |    |  |                                      |                        |     |     |     |                       |              |                      |  |  |    |                   |                  |                    |     |     |     |                            |  |     |  |   |    |                       |  |     |  |    |    |      |                               |  |       |  |        |                     |         |  |  |  |  |      |     |  |  |  |  |   |           |                        |     |     |     |       |                     |  |  |    |  |     |                     |  |  |   |  |   |                                 |                                  |  |  |     |    |  |                                      |  |  |    |    |                       |            |     |  |  |    |                   |              |  |     |  |     |                            |  |     |  |   |    |                       |  |     |  |    |    |      |                               |  |       |  |        |                     |         |  |  |  |  |      |     |  |  |  |  |
| rated input current   |  |                        | 1     |     | A      |       |                     |                           |  |    |    |     |                               |                    |     |     |     |    |                                 |  |  |  |    |    |  |                                      |                        |     |     |     |                       |              |                      |  |  |    |                   |                  |                    |     |     |     |                            |  |     |  |   |    |                       |  |     |  |    |    |      |                               |  |       |  |        |                     |         |  |  |  |  |      |     |  |  |  |  |   |           |                        |     |     |     |       |                     |  |  |    |  |     |                     |  |  |   |  |   |                                 |                                  |  |  |     |    |  |                                      |  |  |    |    |                       |            |     |  |  |    |                   |              |  |     |  |     |                            |  |     |  |   |    |                       |  |     |  |    |    |      |                               |  |       |  |        |                     |         |  |  |  |  |      |     |  |  |  |  |
| contact resistance <sup>1</sup>   | between terminal and mating plug   |                        |       | 100 | mΩ     |       |                     |                           |  |    |    |     |                               |                    |     |     |     |    |                                 |  |  |  |    |    |  |                                      |                        |     |     |     |                       |              |                      |  |  |    |                   |                  |                    |     |     |     |                            |  |     |  |   |    |                       |  |     |  |    |    |      |                               |  |       |  |        |                     |         |  |  |  |  |      |     |  |  |  |  |   |           |                        |     |     |     |       |                     |  |  |    |  |     |                     |  |  |   |  |   |                                 |                                  |  |  |     |    |  |                                      |  |  |    |    |                       |            |     |  |  |    |                   |              |  |     |  |     |                            |  |     |  |   |    |                       |  |     |  |    |    |      |                               |  |       |  |        |                     |         |  |  |  |  |      |     |  |  |  |  |
|   | between terminal in a closed circuit   |                        |       | 30  | mΩ     |       |                     |                           |  |    |    |     |                               |                    |     |     |     |    |                                 |  |  |  |    |    |  |                                      |                        |     |     |     |                       |              |                      |  |  |    |                   |                  |                    |     |     |     |                            |  |     |  |   |    |                       |  |     |  |    |    |      |                               |  |       |  |        |                     |         |  |  |  |  |      |     |  |  |  |  |   |           |                        |     |     |     |       |                     |  |  |    |  |     |                     |  |  |   |  |   |                                 |                                  |  |  |     |    |  |                                      |  |  |    |    |                       |            |     |  |  |    |                   |              |  |     |  |     |                            |  |     |  |   |    |                       |  |     |  |    |    |      |                               |  |       |  |        |                     |         |  |  |  |  |      |     |  |  |  |  |
| insulation resistance   | at 500 Vdc   | 100                    |       |     | MΩ     |       |                     |                           |  |    |    |     |                               |                    |     |     |     |    |                                 |  |  |  |    |    |  |                                      |                        |     |     |     |                       |              |                      |  |  |    |                   |                  |                    |     |     |     |                            |  |     |  |   |    |                       |  |     |  |    |    |      |                               |  |       |  |        |                     |         |  |  |  |  |      |     |  |  |  |  |   |           |                        |     |     |     |       |                     |  |  |    |  |     |                     |  |  |   |  |   |                                 |                                  |  |  |     |    |  |                                      |  |  |    |    |                       |            |     |  |  |    |                   |              |  |     |  |     |                            |  |     |  |   |    |                       |  |     |  |    |    |      |                               |  |       |  |        |                     |         |  |  |  |  |      |     |  |  |  |  |
| voltage withstand   | for 1 minute   |                        | 500   |     | Vdc    |       |                     |                           |  |    |    |     |                               |                    |     |     |     |    |                                 |  |  |  |    |    |  |                                      |                        |     |     |     |                       |              |                      |  |  |    |                   |                  |                    |     |     |     |                            |  |     |  |   |    |                       |  |     |  |    |    |      |                               |  |       |  |        |                     |         |  |  |  |  |      |     |  |  |  |  |   |           |                        |     |     |     |       |                     |  |  |    |  |     |                     |  |  |   |  |   |                                 |                                  |  |  |     |    |  |                                      |  |  |    |    |                       |            |     |  |  |    |                   |              |  |     |  |     |                            |  |     |  |   |    |                       |  |     |  |    |    |      |                               |  |       |  |        |                     |         |  |  |  |  |      |     |  |  |  |  |
| 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  |                        |       |     |        |       |                     |                           |  |    |    |     |                               |                    |     |     |     |    |                                 |  |  |  |    |    |  |                                      |                        |     |     |     |                       |              |                      |  |  |    |                   |                  |                    |     |     |     |                            |  |     |  |   |    |                       |  |     |  |    |    |      |                               |  |       |  |        |                     |         |  |  |  |  |      |     |  |  |  |  |   |           |                        |     |     |     |       |                     |  |  |    |  |     |                     |  |  |   |  |   |                                 |                                  |  |  |     |    |  |                                      |  |  |    |    |                       |            |     |  |  |    |                   |              |  |     |  |     |                            |  |     |  |   |    |                       |  |     |  |    |    |      |                               |  |       |  |        |                     |         |  |  |  |  |      |     |  |  |  |  |
| <p><b>SOLDERABILITY</b></p> <table border="1"> <thead> <tr> <th>parameter</th> <th>conditions/description</th> <th>min</th> <th>typ</th> <th>max</th> <th>units</th> </tr> </thead> <tbody> <tr> <td>reel storage</td> <td>at relative humidity &lt;80%</td> <td></td> <td></td> <td>40</td> <td>°C</td> </tr> <tr> <td>reflow soldering<sup>1</sup></td> <td>see reflow profile</td> <td>255</td> <td>260</td> <td>265</td> <td>°C</td> </tr> <tr> <td>drying conditions<sup>2</sup></td> <td>parts in reel: bake at 40°C ±5°C for 72 hours<br/>parts removed from reel: bake at 40°C ±5°C for 10 hours</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p><small>Notes:<br/> 3. Must reflow solder within 72 hours from opening vacuum packaging at a temperature &gt;30°C &amp; relative humidity &lt;60%.<br/> 4. When exceeding floor life by &gt;72 hours.</small></p>    | parameter  | conditions/description | min   | typ | max    | units | reel storage        | at relative humidity <80% |  |    | 40 | °C  | reflow soldering <sup>1</sup> | see reflow profile | 255 | 260 | 265 | °C | drying conditions <sup>2</sup>  | parts in reel: bake at 40°C ±5°C for 72 hours<br>parts removed from reel: bake at 40°C ±5°C for 10 hours |  |  |    |    | <p><b>SOLDERABILITY</b></p> <table border="1"> <thead> <tr> <th>parameter</th> <th>conditions/description</th> <th>min</th> <th>typ</th> <th>max</th> <th>units</th> </tr> </thead> <tbody> <tr> <td>reel storage</td> <td>≤40°C, ≤80% humidity</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>reflow soldering</td> <td>see reflow profile</td> <td>255</td> <td>260</td> <td></td> <td>°C</td> </tr> </tbody> </table> <p><small>Note: 1. CUI Devices recommends usage of the product within 24 hours after TDR is opened. After 24 hours, CUI Devices recommends drying the parts prior to use.</small></p>  | parameter                            | conditions/description | min | typ | max | units                 | reel storage | ≤40°C, ≤80% humidity |  |  |    |                   | reflow soldering | see reflow profile | 255 | 260 |     | °C                         |  |     |  |   |    |                       |  |     |  |    |    |      |                               |  |       |  |        |                     |         |  |  |  |  |      |     |  |  |  |  |   |           |                        |     |     |     |       |                     |  |  |    |  |     |                     |  |  |   |  |   |                                 |                                  |  |  |     |    |  |                                      |  |  |    |    |                       |            |     |  |  |    |                   |              |  |     |  |     |                            |  |     |  |   |    |                       |  |     |  |    |    |      |                               |  |       |  |        |                     |         |  |  |  |  |      |     |  |  |  |  |
| parameter   | conditions/description   | min                    | typ   | max | units  |       |                     |                           |  |    |    |     |                               |                    |     |     |     |    |                                 |  |  |  |    |    |  |                                      |                        |     |     |     |                       |              |                      |  |  |    |                   |                  |                    |     |     |     |                            |  |     |  |   |    |                       |  |     |  |    |    |      |                               |  |       |  |        |                     |         |  |  |  |  |      |     |  |  |  |  |   |           |                        |     |     |     |       |                     |  |  |    |  |     |                     |  |  |   |  |   |                                 |                                  |  |  |     |    |  |                                      |  |  |    |    |                       |            |     |  |  |    |                   |              |  |     |  |     |                            |  |     |  |   |    |                       |  |     |  |    |    |      |                               |  |       |  |        |                     |         |  |  |  |  |      |     |  |  |  |  |
| reel storage  | at relative humidity <80%  |                        |       | 40  | °C     |       |                     |                           |  |    |    |     |                               |                    |     |     |     |    |                                 |  |  |  |    |    |  |                                      |                        |     |     |     |                       |              |                      |  |  |    |                   |                  |                    |     |     |     |                            |  |     |  |   |    |                       |  |     |  |    |    |      |                               |  |       |  |        |                     |         |  |  |  |  |      |     |  |  |  |  |   |           |                        |     |     |     |       |                     |  |  |    |  |     |                     |  |  |   |  |   |                                 |                                  |  |  |     |    |  |                                      |  |  |    |    |                       |            |     |  |  |    |                   |              |  |     |  |     |                            |  |     |  |   |    |                       |  |     |  |    |    |      |                               |  |       |  |        |                     |         |  |  |  |  |      |     |  |  |  |  |
| reflow soldering <sup>1</sup>   | see reflow profile   | 255                    | 260   | 265 | °C     |       |                     |                           |  |    |    |     |                               |                    |     |     |     |    |                                 |  |  |  |    |    |  |                                      |                        |     |     |     |                       |              |                      |  |  |    |                   |                  |                    |     |     |     |                            |  |     |  |   |    |                       |  |     |  |    |    |      |                               |  |       |  |        |                     |         |  |  |  |  |      |     |  |  |  |  |   |           |                        |     |     |     |       |                     |  |  |    |  |     |                     |  |  |   |  |   |                                 |                                  |  |  |     |    |  |                                      |  |  |    |    |                       |            |     |  |  |    |                   |              |  |     |  |     |                            |  |     |  |   |    |                       |  |     |  |    |    |      |                               |  |       |  |        |                     |         |  |  |  |  |      |     |  |  |  |  |
| drying conditions <sup>2</sup>  | parts in reel: bake at 40°C ±5°C for 72 hours<br>parts removed from reel: bake at 40°C ±5°C for 10 hours |                        |       |     |        |       |                     |                           |  |    |    |     |                               |                    |     |     |     |    |                                 |  |  |  |    |    |  |                                      |                        |     |     |     |                       |              |                      |  |  |    |                   |                  |                    |     |     |     |                            |  |     |  |   |    |                       |  |     |  |    |    |      |                               |  |       |  |        |                     |         |  |  |  |  |      |     |  |  |  |  |   |           |                        |     |     |     |       |                     |  |  |    |  |     |                     |  |  |   |  |   |                                 |                                  |  |  |     |    |  |                                      |  |  |    |    |                       |            |     |  |  |    |                   |              |  |     |  |     |                            |  |     |  |   |    |                       |  |     |  |    |    |      |                               |  |       |  |        |                     |         |  |  |  |  |      |     |  |  |  |  |
| parameter   | conditions/description   | min                    | typ   | max | units  |       |                     |                           |  |    |    |     |                               |                    |     |     |     |    |                                 |  |  |  |    |    |  |                                      |                        |     |     |     |                       |              |                      |  |  |    |                   |                  |                    |     |     |     |                            |  |     |  |   |    |                       |  |     |  |    |    |      |                               |  |       |  |        |                     |         |  |  |  |  |      |     |  |  |  |  |   |           |                        |     |     |     |       |                     |  |  |    |  |     |                     |  |  |   |  |   |                                 |                                  |  |  |     |    |  |                                      |  |  |    |    |                       |            |     |  |  |    |                   |              |  |     |  |     |                            |  |     |  |   |    |                       |  |     |  |    |    |      |                               |  |       |  |        |                     |         |  |  |  |  |      |     |  |  |  |  |
| reel storage  | ≤40°C, ≤80% humidity   |                        |       |     |        |       |                     |                           |  |    |    |     |                               |                    |     |     |     |    |                                 |  |  |  |    |    |  |                                      |                        |     |     |     |                       |              |                      |  |  |    |                   |                  |                    |     |     |     |                            |  |     |  |   |    |                       |  |     |  |    |    |      |                               |  |       |  |        |                     |         |  |  |  |  |      |     |  |  |  |  |   |           |                        |     |     |     |       |                     |  |  |    |  |     |                     |  |  |   |  |   |                                 |                                  |  |  |     |    |  |                                      |  |  |    |    |                       |            |     |  |  |    |                   |              |  |     |  |     |                            |  |     |  |   |    |                       |  |     |  |    |    |      |                               |  |       |  |        |                     |         |  |  |  |  |      |     |  |  |  |  |
| reflow soldering  | see reflow profile   | 255                    | 260   |     | °C     |       |                     |                           |  |    |    |     |                               |                    |     |     |     |    |                                 |  |  |  |    |    |  |                                      |                        |     |     |     |                       |              |                      |  |  |    |                   |                  |                    |     |     |     |                            |  |     |  |   |    |                       |  |     |  |    |    |      |                               |  |       |  |        |                     |         |  |  |  |  |      |     |  |  |  |  |   |           |                        |     |     |     |       |                     |  |  |    |  |     |                     |  |  |   |  |   |                                 |                                  |  |  |     |    |  |                                      |  |  |    |    |                       |            |     |  |  |    |                   |              |  |     |  |     |                            |  |     |  |   |    |                       |  |     |  |    |    |      |                               |  |       |  |        |                     |         |  |  |  |  |      |     |  |  |  |  |

F-723-001

Revision: A



Affected Date Code: **3/8/23**

Product Availability: **Channel Availability Q2**

Additional Information:

PCN Approval:

Operations/Quality



Product Management

