

# Product Change Notice (PCN)

Date: **5/25/2023**

PCN Number: **PCN-0451259R-01**

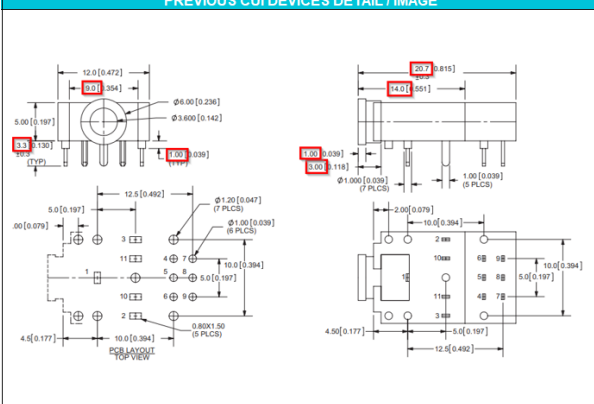
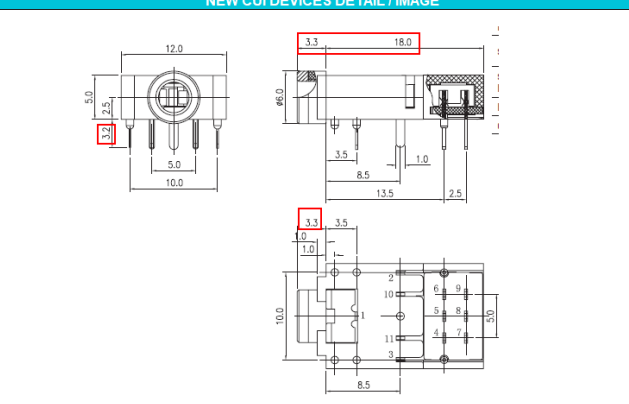
To Our Customers:

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: SJ-3571N

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

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

| PREVIOUS CUI DEVICES DETAIL / IMAGE  | NEW CUI DEVICES DETAIL / IMAGE  |                        |         |                |              |        |                     |                 |        |               |       |        |                     |       |        |                     |      |   |                            |                                  |        |         |      |    |              |                                      |        |   |             |          |                       |            |              |      |            |                        |                   |            |                        |      |               |              |                            |                         |              |      |         |              |                       |             |                        |  |                      |                |       |         |                |       |      |                     |                     |         |  |  |  |  |      |     |  |  |  |  |  |           |                        |     |     |     |       |                     |  |  |    |  |     |                     |  |  |   |  |   |                    |                                  |  |  |     |    |  |                                      |  |  |    |    |                       |            |     |  |  |    |                   |              |  |     |  |     |                            |  |     |  |   |    |                       |  |     |  |    |    |      |  |  |       |  |        |                     |         |  |  |  |  |      |     |  |  |  |  |
|--|---|------------------------|---------|----------------|--------------|--------|---------------------|-----------------|--------|---------------|-------|--------|---------------------|-------|--------|---------------------|------|---|----------------------------|----------------------------------|--------|---------|------|----|--------------|--------------------------------------|--------|---|-------------|----------|-----------------------|------------|--------------|------|------------|------------------------|-------------------|------------|------------------------|------|---------------|--------------|----------------------------|-------------------------|--------------|------|---------|--------------|-----------------------|-------------|------------------------|--|----------------------|----------------|-------|---------|----------------|-------|------|---------------------|---------------------|---------|--|--|--|--|------|-----|--|--|--|--|--|-----------|------------------------|-----|-----|-----|-------|---------------------|--|--|----|--|-----|---------------------|--|--|---|--|---|--------------------|----------------------------------|--|--|-----|----|--|--------------------------------------|--|--|----|----|-----------------------|------------|-----|--|--|----|-------------------|--------------|--|-----|--|-----|----------------------------|--|-----|--|---|----|-----------------------|--|-----|--|----|----|------|--|--|-------|--|--------|---------------------|---------|--|--|--|--|------|-----|--|--|--|--|
|    |  |                        |         |                |              |        |                     |                 |        |               |       |        |                     |       |        |                     |      |   |                            |                                  |        |         |      |    |              |                                      |        |   |             |          |                       |            |              |      |            |                        |                   |            |                        |      |               |              |                            |                         |              |      |         |              |                       |             |                        |  |                      |                |       |         |                |       |      |                     |                     |         |  |  |  |  |      |     |  |  |  |  |  |           |                        |     |     |     |       |                     |  |  |    |  |     |                     |  |  |   |  |   |                    |                                  |  |  |     |    |  |                                      |  |  |    |    |                       |            |     |  |  |    |                   |              |  |     |  |     |                            |  |     |  |   |    |                       |  |     |  |    |    |      |  |  |       |  |        |                     |         |  |  |  |  |      |     |  |  |  |  |
| <table border="1"> <thead> <tr> <th></th> <th>MATERIAL</th> <th>PLATING</th> </tr> </thead> <tbody> <tr> <td>terminals 1, 3</td> <td>copper alloy</td> <td>silver</td> </tr> <tr> <td>terminal 2</td> <td>stainless steel</td> <td>silver</td> </tr> <tr> <td>terminals 4-9</td> <td>brass</td> <td>silver</td> </tr> <tr> <td>terminal 10-11</td> <td>brass</td> <td>silver</td> </tr> <tr> <td>bushing (SJ-3579AN)</td> <td>PA66</td> <td></td> </tr> <tr> <td>bushing (all other models)</td> <td>brass</td> <td>nickel</td> </tr> <tr> <td>plastic</td> <td>PA66</td> <td></td> </tr> <tr> <td>contact clip</td> <td>C5210</td> <td>silver</td> </tr> </tbody> </table>  |   | MATERIAL               | PLATING | terminals 1, 3 | copper alloy | silver | terminal 2          | stainless steel | silver | terminals 4-9 | brass | silver | terminal 10-11      | brass | silver | bushing (SJ-3579AN) | PA66 |   | bushing (all other models) | brass                            | nickel | plastic | PA66 |    | contact clip | C5210                                | silver | <table border="1"> <thead> <tr> <th>DESCRIPTION</th> <th>MATERIAL</th> <th>PLATING/COLOR</th> </tr> </thead> <tbody> <tr> <td>terminal 1</td> <td>brass t=0.25</td> <td>CuSn</td> </tr> <tr> <td>terminal 2</td> <td>stainless steel t=0.25</td> <td>CuSn</td> </tr> <tr> <td>terminal 3</td> <td>stainless steel t=0.20</td> <td>CuSn</td> </tr> <tr> <td>terminals 4-9</td> <td>brass t=0.35</td> <td>silver</td> </tr> <tr> <td>terminals 10, 11</td> <td>brass t=0.35</td> <td>CuSn</td> </tr> <tr> <td>bushing</td> <td>copper alloy</td> <td>CuSn</td> </tr> <tr> <td>switch reed</td> <td>compound silver copper</td> <td></td> </tr> <tr> <td>switch/slide housing</td> <td>PA66 (UL94V-0)</td> <td>black</td> </tr> <tr> <td>housing</td> <td>PA66 (UL94V-0)</td> <td>black</td> </tr> <tr> <td>clip</td> <td>copper alloy t=0.08</td> <td></td> </tr> </tbody> </table> | DESCRIPTION | MATERIAL | PLATING/COLOR         | terminal 1 | brass t=0.25 | CuSn | terminal 2 | stainless steel t=0.25 | CuSn              | terminal 3 | stainless steel t=0.20 | CuSn | terminals 4-9 | brass t=0.35 | silver                     | terminals 10, 11        | brass t=0.35 | CuSn | bushing | copper alloy | CuSn                  | switch reed | compound silver copper |  | switch/slide housing | PA66 (UL94V-0) | black | housing | PA66 (UL94V-0) | black | clip | copper alloy t=0.08 |                     |         |  |  |  |  |      |     |  |  |  |  |  |           |                        |     |     |     |       |                     |  |  |    |  |     |                     |  |  |   |  |   |                    |                                  |  |  |     |    |  |                                      |  |  |    |    |                       |            |     |  |  |    |                   |              |  |     |  |     |                            |  |     |  |   |    |                       |  |     |  |    |    |      |  |  |       |  |        |                     |         |  |  |  |  |      |     |  |  |  |  |
|  | MATERIAL  | PLATING                |         |                |              |        |                     |                 |        |               |       |        |                     |       |        |                     |      |   |                            |                                  |        |         |      |    |              |                                      |        |   |             |          |                       |            |              |      |            |                        |                   |            |                        |      |               |              |                            |                         |              |      |         |              |                       |             |                        |  |                      |                |       |         |                |       |      |                     |                     |         |  |  |  |  |      |     |  |  |  |  |  |           |                        |     |     |     |       |                     |  |  |    |  |     |                     |  |  |   |  |   |                    |                                  |  |  |     |    |  |                                      |  |  |    |    |                       |            |     |  |  |    |                   |              |  |     |  |     |                            |  |     |  |   |    |                       |  |     |  |    |    |      |  |  |       |  |        |                     |         |  |  |  |  |      |     |  |  |  |  |
| terminals 1, 3   | copper alloy  | silver                 |         |                |              |        |                     |                 |        |               |       |        |                     |       |        |                     |      |   |                            |                                  |        |         |      |    |              |                                      |        |   |             |          |                       |            |              |      |            |                        |                   |            |                        |      |               |              |                            |                         |              |      |         |              |                       |             |                        |  |                      |                |       |         |                |       |      |                     |                     |         |  |  |  |  |      |     |  |  |  |  |  |           |                        |     |     |     |       |                     |  |  |    |  |     |                     |  |  |   |  |   |                    |                                  |  |  |     |    |  |                                      |  |  |    |    |                       |            |     |  |  |    |                   |              |  |     |  |     |                            |  |     |  |   |    |                       |  |     |  |    |    |      |  |  |       |  |        |                     |         |  |  |  |  |      |     |  |  |  |  |
| terminal 2   | stainless steel   | silver                 |         |                |              |        |                     |                 |        |               |       |        |                     |       |        |                     |      |   |                            |                                  |        |         |      |    |              |                                      |        |   |             |          |                       |            |              |      |            |                        |                   |            |                        |      |               |              |                            |                         |              |      |         |              |                       |             |                        |  |                      |                |       |         |                |       |      |                     |                     |         |  |  |  |  |      |     |  |  |  |  |  |           |                        |     |     |     |       |                     |  |  |    |  |     |                     |  |  |   |  |   |                    |                                  |  |  |     |    |  |                                      |  |  |    |    |                       |            |     |  |  |    |                   |              |  |     |  |     |                            |  |     |  |   |    |                       |  |     |  |    |    |      |  |  |       |  |        |                     |         |  |  |  |  |      |     |  |  |  |  |
| terminals 4-9  | brass   | silver                 |         |                |              |        |                     |                 |        |               |       |        |                     |       |        |                     |      |   |                            |                                  |        |         |      |    |              |                                      |        |   |             |          |                       |            |              |      |            |                        |                   |            |                        |      |               |              |                            |                         |              |      |         |              |                       |             |                        |  |                      |                |       |         |                |       |      |                     |                     |         |  |  |  |  |      |     |  |  |  |  |  |           |                        |     |     |     |       |                     |  |  |    |  |     |                     |  |  |   |  |   |                    |                                  |  |  |     |    |  |                                      |  |  |    |    |                       |            |     |  |  |    |                   |              |  |     |  |     |                            |  |     |  |   |    |                       |  |     |  |    |    |      |  |  |       |  |        |                     |         |  |  |  |  |      |     |  |  |  |  |
| terminal 10-11   | brass   | silver                 |         |                |              |        |                     |                 |        |               |       |        |                     |       |        |                     |      |   |                            |                                  |        |         |      |    |              |                                      |        |   |             |          |                       |            |              |      |            |                        |                   |            |                        |      |               |              |                            |                         |              |      |         |              |                       |             |                        |  |                      |                |       |         |                |       |      |                     |                     |         |  |  |  |  |      |     |  |  |  |  |  |           |                        |     |     |     |       |                     |  |  |    |  |     |                     |  |  |   |  |   |                    |                                  |  |  |     |    |  |                                      |  |  |    |    |                       |            |     |  |  |    |                   |              |  |     |  |     |                            |  |     |  |   |    |                       |  |     |  |    |    |      |  |  |       |  |        |                     |         |  |  |  |  |      |     |  |  |  |  |
| bushing (SJ-3579AN)  | PA66  |                        |         |                |              |        |                     |                 |        |               |       |        |                     |       |        |                     |      |   |                            |                                  |        |         |      |    |              |                                      |        |   |             |          |                       |            |              |      |            |                        |                   |            |                        |      |               |              |                            |                         |              |      |         |              |                       |             |                        |  |                      |                |       |         |                |       |      |                     |                     |         |  |  |  |  |      |     |  |  |  |  |  |           |                        |     |     |     |       |                     |  |  |    |  |     |                     |  |  |   |  |   |                    |                                  |  |  |     |    |  |                                      |  |  |    |    |                       |            |     |  |  |    |                   |              |  |     |  |     |                            |  |     |  |   |    |                       |  |     |  |    |    |      |  |  |       |  |        |                     |         |  |  |  |  |      |     |  |  |  |  |
| bushing (all other models)   | brass   | nickel                 |         |                |              |        |                     |                 |        |               |       |        |                     |       |        |                     |      |   |                            |                                  |        |         |      |    |              |                                      |        |   |             |          |                       |            |              |      |            |                        |                   |            |                        |      |               |              |                            |                         |              |      |         |              |                       |             |                        |  |                      |                |       |         |                |       |      |                     |                     |         |  |  |  |  |      |     |  |  |  |  |  |           |                        |     |     |     |       |                     |  |  |    |  |     |                     |  |  |   |  |   |                    |                                  |  |  |     |    |  |                                      |  |  |    |    |                       |            |     |  |  |    |                   |              |  |     |  |     |                            |  |     |  |   |    |                       |  |     |  |    |    |      |  |  |       |  |        |                     |         |  |  |  |  |      |     |  |  |  |  |
| plastic  | PA66  |                        |         |                |              |        |                     |                 |        |               |       |        |                     |       |        |                     |      |   |                            |                                  |        |         |      |    |              |                                      |        |   |             |          |                       |            |              |      |            |                        |                   |            |                        |      |               |              |                            |                         |              |      |         |              |                       |             |                        |  |                      |                |       |         |                |       |      |                     |                     |         |  |  |  |  |      |     |  |  |  |  |  |           |                        |     |     |     |       |                     |  |  |    |  |     |                     |  |  |   |  |   |                    |                                  |  |  |     |    |  |                                      |  |  |    |    |                       |            |     |  |  |    |                   |              |  |     |  |     |                            |  |     |  |   |    |                       |  |     |  |    |    |      |  |  |       |  |        |                     |         |  |  |  |  |      |     |  |  |  |  |
| contact clip   | C5210   | silver                 |         |                |              |        |                     |                 |        |               |       |        |                     |       |        |                     |      |   |                            |                                  |        |         |      |    |              |                                      |        |   |             |          |                       |            |              |      |            |                        |                   |            |                        |      |               |              |                            |                         |              |      |         |              |                       |             |                        |  |                      |                |       |         |                |       |      |                     |                     |         |  |  |  |  |      |     |  |  |  |  |  |           |                        |     |     |     |       |                     |  |  |    |  |     |                     |  |  |   |  |   |                    |                                  |  |  |     |    |  |                                      |  |  |    |    |                       |            |     |  |  |    |                   |              |  |     |  |     |                            |  |     |  |   |    |                       |  |     |  |    |    |      |  |  |       |  |        |                     |         |  |  |  |  |      |     |  |  |  |  |
| DESCRIPTION  | MATERIAL  | PLATING/COLOR          |         |                |              |        |                     |                 |        |               |       |        |                     |       |        |                     |      |   |                            |                                  |        |         |      |    |              |                                      |        |   |             |          |                       |            |              |      |            |                        |                   |            |                        |      |               |              |                            |                         |              |      |         |              |                       |             |                        |  |                      |                |       |         |                |       |      |                     |                     |         |  |  |  |  |      |     |  |  |  |  |  |           |                        |     |     |     |       |                     |  |  |    |  |     |                     |  |  |   |  |   |                    |                                  |  |  |     |    |  |                                      |  |  |    |    |                       |            |     |  |  |    |                   |              |  |     |  |     |                            |  |     |  |   |    |                       |  |     |  |    |    |      |  |  |       |  |        |                     |         |  |  |  |  |      |     |  |  |  |  |
| terminal 1   | brass t=0.25  | CuSn                   |         |                |              |        |                     |                 |        |               |       |        |                     |       |        |                     |      |   |                            |                                  |        |         |      |    |              |                                      |        |   |             |          |                       |            |              |      |            |                        |                   |            |                        |      |               |              |                            |                         |              |      |         |              |                       |             |                        |  |                      |                |       |         |                |       |      |                     |                     |         |  |  |  |  |      |     |  |  |  |  |  |           |                        |     |     |     |       |                     |  |  |    |  |     |                     |  |  |   |  |   |                    |                                  |  |  |     |    |  |                                      |  |  |    |    |                       |            |     |  |  |    |                   |              |  |     |  |     |                            |  |     |  |   |    |                       |  |     |  |    |    |      |  |  |       |  |        |                     |         |  |  |  |  |      |     |  |  |  |  |
| terminal 2   | stainless steel t=0.25  | CuSn                   |         |                |              |        |                     |                 |        |               |       |        |                     |       |        |                     |      |   |                            |                                  |        |         |      |    |              |                                      |        |   |             |          |                       |            |              |      |            |                        |                   |            |                        |      |               |              |                            |                         |              |      |         |              |                       |             |                        |  |                      |                |       |         |                |       |      |                     |                     |         |  |  |  |  |      |     |  |  |  |  |  |           |                        |     |     |     |       |                     |  |  |    |  |     |                     |  |  |   |  |   |                    |                                  |  |  |     |    |  |                                      |  |  |    |    |                       |            |     |  |  |    |                   |              |  |     |  |     |                            |  |     |  |   |    |                       |  |     |  |    |    |      |  |  |       |  |        |                     |         |  |  |  |  |      |     |  |  |  |  |
| terminal 3   | stainless steel t=0.20  | CuSn                   |         |                |              |        |                     |                 |        |               |       |        |                     |       |        |                     |      |   |                            |                                  |        |         |      |    |              |                                      |        |   |             |          |                       |            |              |      |            |                        |                   |            |                        |      |               |              |                            |                         |              |      |         |              |                       |             |                        |  |                      |                |       |         |                |       |      |                     |                     |         |  |  |  |  |      |     |  |  |  |  |  |           |                        |     |     |     |       |                     |  |  |    |  |     |                     |  |  |   |  |   |                    |                                  |  |  |     |    |  |                                      |  |  |    |    |                       |            |     |  |  |    |                   |              |  |     |  |     |                            |  |     |  |   |    |                       |  |     |  |    |    |      |  |  |       |  |        |                     |         |  |  |  |  |      |     |  |  |  |  |
| terminals 4-9  | brass t=0.35  | silver                 |         |                |              |        |                     |                 |        |               |       |        |                     |       |        |                     |      |   |                            |                                  |        |         |      |    |              |                                      |        |   |             |          |                       |            |              |      |            |                        |                   |            |                        |      |               |              |                            |                         |              |      |         |              |                       |             |                        |  |                      |                |       |         |                |       |      |                     |                     |         |  |  |  |  |      |     |  |  |  |  |  |           |                        |     |     |     |       |                     |  |  |    |  |     |                     |  |  |   |  |   |                    |                                  |  |  |     |    |  |                                      |  |  |    |    |                       |            |     |  |  |    |                   |              |  |     |  |     |                            |  |     |  |   |    |                       |  |     |  |    |    |      |  |  |       |  |        |                     |         |  |  |  |  |      |     |  |  |  |  |
| terminals 10, 11   | brass t=0.35  | CuSn                   |         |                |              |        |                     |                 |        |               |       |        |                     |       |        |                     |      |   |                            |                                  |        |         |      |    |              |                                      |        |   |             |          |                       |            |              |      |            |                        |                   |            |                        |      |               |              |                            |                         |              |      |         |              |                       |             |                        |  |                      |                |       |         |                |       |      |                     |                     |         |  |  |  |  |      |     |  |  |  |  |  |           |                        |     |     |     |       |                     |  |  |    |  |     |                     |  |  |   |  |   |                    |                                  |  |  |     |    |  |                                      |  |  |    |    |                       |            |     |  |  |    |                   |              |  |     |  |     |                            |  |     |  |   |    |                       |  |     |  |    |    |      |  |  |       |  |        |                     |         |  |  |  |  |      |     |  |  |  |  |
| bushing  | copper alloy  | CuSn                   |         |                |              |        |                     |                 |        |               |       |        |                     |       |        |                     |      |   |                            |                                  |        |         |      |    |              |                                      |        |   |             |          |                       |            |              |      |            |                        |                   |            |                        |      |               |              |                            |                         |              |      |         |              |                       |             |                        |  |                      |                |       |         |                |       |      |                     |                     |         |  |  |  |  |      |     |  |  |  |  |  |           |                        |     |     |     |       |                     |  |  |    |  |     |                     |  |  |   |  |   |                    |                                  |  |  |     |    |  |                                      |  |  |    |    |                       |            |     |  |  |    |                   |              |  |     |  |     |                            |  |     |  |   |    |                       |  |     |  |    |    |      |  |  |       |  |        |                     |         |  |  |  |  |      |     |  |  |  |  |
| switch reed  | compound silver copper  |                        |         |                |              |        |                     |                 |        |               |       |        |                     |       |        |                     |      |   |                            |                                  |        |         |      |    |              |                                      |        |   |             |          |                       |            |              |      |            |                        |                   |            |                        |      |               |              |                            |                         |              |      |         |              |                       |             |                        |  |                      |                |       |         |                |       |      |                     |                     |         |  |  |  |  |      |     |  |  |  |  |  |           |                        |     |     |     |       |                     |  |  |    |  |     |                     |  |  |   |  |   |                    |                                  |  |  |     |    |  |                                      |  |  |    |    |                       |            |     |  |  |    |                   |              |  |     |  |     |                            |  |     |  |   |    |                       |  |     |  |    |    |      |  |  |       |  |        |                     |         |  |  |  |  |      |     |  |  |  |  |
| switch/slide housing   | PA66 (UL94V-0)  | black                  |         |                |              |        |                     |                 |        |               |       |        |                     |       |        |                     |      |   |                            |                                  |        |         |      |    |              |                                      |        |   |             |          |                       |            |              |      |            |                        |                   |            |                        |      |               |              |                            |                         |              |      |         |              |                       |             |                        |  |                      |                |       |         |                |       |      |                     |                     |         |  |  |  |  |      |     |  |  |  |  |  |           |                        |     |     |     |       |                     |  |  |    |  |     |                     |  |  |   |  |   |                    |                                  |  |  |     |    |  |                                      |  |  |    |    |                       |            |     |  |  |    |                   |              |  |     |  |     |                            |  |     |  |   |    |                       |  |     |  |    |    |      |  |  |       |  |        |                     |         |  |  |  |  |      |     |  |  |  |  |
| housing  | PA66 (UL94V-0)  | black                  |         |                |              |        |                     |                 |        |               |       |        |                     |       |        |                     |      |   |                            |                                  |        |         |      |    |              |                                      |        |   |             |          |                       |            |              |      |            |                        |                   |            |                        |      |               |              |                            |                         |              |      |         |              |                       |             |                        |  |                      |                |       |         |                |       |      |                     |                     |         |  |  |  |  |      |     |  |  |  |  |  |           |                        |     |     |     |       |                     |  |  |    |  |     |                     |  |  |   |  |   |                    |                                  |  |  |     |    |  |                                      |  |  |    |    |                       |            |     |  |  |    |                   |              |  |     |  |     |                            |  |     |  |   |    |                       |  |     |  |    |    |      |  |  |       |  |        |                     |         |  |  |  |  |      |     |  |  |  |  |
| clip   | copper alloy t=0.08   |                        |         |                |              |        |                     |                 |        |               |       |        |                     |       |        |                     |      |   |                            |                                  |        |         |      |    |              |                                      |        |   |             |          |                       |            |              |      |            |                        |                   |            |                        |      |               |              |                            |                         |              |      |         |              |                       |             |                        |  |                      |                |       |         |                |       |      |                     |                     |         |  |  |  |  |      |     |  |  |  |  |  |           |                        |     |     |     |       |                     |  |  |    |  |     |                     |  |  |   |  |   |                    |                                  |  |  |     |    |  |                                      |  |  |    |    |                       |            |     |  |  |    |                   |              |  |     |  |     |                            |  |     |  |   |    |                       |  |     |  |    |    |      |  |  |       |  |        |                     |         |  |  |  |  |      |     |  |  |  |  |
| <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</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></td> <td></td> <td>500</td> <td></td> <td>Vdc</td> </tr> <tr> <td>insertion/withdrawal force</td> <td>at 50/60Hz for 1 minute</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></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         | between terminal and mating plug |        |         | 50   | mΩ |              | between terminal in a closed circuit |        |   | 30          | mΩ       | insulation resistance | at 500 Vdc | 100          |      |            | MΩ                     | voltage withstand |            |                        | 500  |               | Vdc          | insertion/withdrawal force | at 50/60Hz for 1 minute | 0.3          |      | 3       | kg           | operating temperature |             | -25                    |  | 85                   | °C             | life  |         |                | 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</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>50</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></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 | between terminal and mating plug |  |  | 100 | mΩ |  | between terminal in a closed circuit |  |  | 50 | 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 |  |  | 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   | between terminal and mating plug  |                        |         | 50             | mΩ           |        |                     |                 |        |               |       |        |                     |       |        |                     |      |   |                            |                                  |        |         |      |    |              |                                      |        |   |             |          |                       |            |              |      |            |                        |                   |            |                        |      |               |              |                            |                         |              |      |         |              |                       |             |                        |  |                      |                |       |         |                |       |      |                     |                     |         |  |  |  |  |      |     |  |  |  |  |  |           |                        |     |     |     |       |                     |  |  |    |  |     |                     |  |  |   |  |   |                    |                                  |  |  |     |    |  |                                      |  |  |    |    |                       |            |     |  |  |    |                   |              |  |     |  |     |                            |  |     |  |   |    |                       |  |     |  |    |    |      |  |  |       |  |        |                     |         |  |  |  |  |      |     |  |  |  |  |
|  | between terminal in a closed circuit  |                        |         | 30             | mΩ           |        |                     |                 |        |               |       |        |                     |       |        |                     |      |   |                            |                                  |        |         |      |    |              |                                      |        |   |             |          |                       |            |              |      |            |                        |                   |            |                        |      |               |              |                            |                         |              |      |         |              |                       |             |                        |  |                      |                |       |         |                |       |      |                     |                     |         |  |  |  |  |      |     |  |  |  |  |  |           |                        |     |     |     |       |                     |  |  |    |  |     |                     |  |  |   |  |   |                    |                                  |  |  |     |    |  |                                      |  |  |    |    |                       |            |     |  |  |    |                   |              |  |     |  |     |                            |  |     |  |   |    |                       |  |     |  |    |    |      |  |  |       |  |        |                     |         |  |  |  |  |      |     |  |  |  |  |
| insulation resistance  | at 500 Vdc  | 100                    |         |                | MΩ           |        |                     |                 |        |               |       |        |                     |       |        |                     |      |   |                            |                                  |        |         |      |    |              |                                      |        |   |             |          |                       |            |              |      |            |                        |                   |            |                        |      |               |              |                            |                         |              |      |         |              |                       |             |                        |  |                      |                |       |         |                |       |      |                     |                     |         |  |  |  |  |      |     |  |  |  |  |  |           |                        |     |     |     |       |                     |  |  |    |  |     |                     |  |  |   |  |   |                    |                                  |  |  |     |    |  |                                      |  |  |    |    |                       |            |     |  |  |    |                   |              |  |     |  |     |                            |  |     |  |   |    |                       |  |     |  |    |    |      |  |  |       |  |        |                     |         |  |  |  |  |      |     |  |  |  |  |
| voltage withstand  |   |                        | 500     |                | Vdc          |        |                     |                 |        |               |       |        |                     |       |        |                     |      |   |                            |                                  |        |         |      |    |              |                                      |        |   |             |          |                       |            |              |      |            |                        |                   |            |                        |      |               |              |                            |                         |              |      |         |              |                       |             |                        |  |                      |                |       |         |                |       |      |                     |                     |         |  |  |  |  |      |     |  |  |  |  |  |           |                        |     |     |     |       |                     |  |  |    |  |     |                     |  |  |   |  |   |                    |                                  |  |  |     |    |  |                                      |  |  |    |    |                       |            |     |  |  |    |                   |              |  |     |  |     |                            |  |     |  |   |    |                       |  |     |  |    |    |      |  |  |       |  |        |                     |         |  |  |  |  |      |     |  |  |  |  |
| insertion/withdrawal force   | at 50/60Hz for 1 minute   | 0.3                    |         | 3              | kg           |        |                     |                 |        |               |       |        |                     |       |        |                     |      |   |                            |                                  |        |         |      |    |              |                                      |        |   |             |          |                       |            |              |      |            |                        |                   |            |                        |      |               |              |                            |                         |              |      |         |              |                       |             |                        |  |                      |                |       |         |                |       |      |                     |                     |         |  |  |  |  |      |     |  |  |  |  |  |           |                        |     |     |     |       |                     |  |  |    |  |     |                     |  |  |   |  |   |                    |                                  |  |  |     |    |  |                                      |  |  |    |    |                       |            |     |  |  |    |                   |              |  |     |  |     |                            |  |     |  |   |    |                       |  |     |  |    |    |      |  |  |       |  |        |                     |         |  |  |  |  |      |     |  |  |  |  |
| operating temperature  |   | -25                    |         | 85             | °C           |        |                     |                 |        |               |       |        |                     |       |        |                     |      |   |                            |                                  |        |         |      |    |              |                                      |        |   |             |          |                       |            |              |      |            |                        |                   |            |                        |      |               |              |                            |                         |              |      |         |              |                       |             |                        |  |                      |                |       |         |                |       |      |                     |                     |         |  |  |  |  |      |     |  |  |  |  |  |           |                        |     |     |     |       |                     |  |  |    |  |     |                     |  |  |   |  |   |                    |                                  |  |  |     |    |  |                                      |  |  |    |    |                       |            |     |  |  |    |                   |              |  |     |  |     |                            |  |     |  |   |    |                       |  |     |  |    |    |      |  |  |       |  |        |                     |         |  |  |  |  |      |     |  |  |  |  |
| life   |   |                        | 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   | between terminal and mating plug  |                        |         | 100            | mΩ           |        |                     |                 |        |               |       |        |                     |       |        |                     |      |   |                            |                                  |        |         |      |    |              |                                      |        |   |             |          |                       |            |              |      |            |                        |                   |            |                        |      |               |              |                            |                         |              |      |         |              |                       |             |                        |  |                      |                |       |         |                |       |      |                     |                     |         |  |  |  |  |      |     |  |  |  |  |  |           |                        |     |     |     |       |                     |  |  |    |  |     |                     |  |  |   |  |   |                    |                                  |  |  |     |    |  |                                      |  |  |    |    |                       |            |     |  |  |    |                   |              |  |     |  |     |                            |  |     |  |   |    |                       |  |     |  |    |    |      |  |  |       |  |        |                     |         |  |  |  |  |      |     |  |  |  |  |
|  | between terminal in a closed circuit  |                        |         | 50             | 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   |   |                        | 5,000   |                | cycles       |        |                     |                 |        |               |       |        |                     |       |        |                     |      |   |                            |                                  |        |         |      |    |              |                                      |        |   |             |          |                       |            |              |      |            |                        |                   |            |                        |      |               |              |                            |                         |              |      |         |              |                       |             |                        |  |                      |                |       |         |                |       |      |                     |                     |         |  |  |  |  |      |     |  |  |  |  |  |           |                        |     |     |     |       |                     |  |  |    |  |     |                     |  |  |   |  |   |                    |                                  |  |  |     |    |  |                                      |  |  |    |    |                       |            |     |  |  |    |                   |              |  |     |  |     |                            |  |     |  |   |    |                       |  |     |  |    |    |      |  |  |       |  |        |                     |         |  |  |  |  |      |     |  |  |  |  |
| flammability rating  | UL94V-0   |                        |         |                |              |        |                     |                 |        |               |       |        |                     |       |        |                     |      |   |                            |                                  |        |         |      |    |              |                                      |        |   |             |          |                       |            |              |      |            |                        |                   |            |                        |      |               |              |                            |                         |              |      |         |              |                       |             |                        |  |                      |                |       |         |                |       |      |                     |                     |         |  |  |  |  |      |     |  |  |  |  |  |           |                        |     |     |     |       |                     |  |  |    |  |     |                     |  |  |   |  |   |                    |                                  |  |  |     |    |  |                                      |  |  |    |    |                       |            |     |  |  |    |                   |              |  |     |  |     |                            |  |     |  |   |    |                       |  |     |  |    |    |      |  |  |       |  |        |                     |         |  |  |  |  |      |     |  |  |  |  |
| RoHS   | yes   |                        |         |                |              |        |                     |                 |        |               |       |        |                     |       |        |                     |      |   |                            |                                  |        |         |      |    |              |                                      |        |   |             |          |                       |            |              |      |            |                        |                   |            |                        |      |               |              |                            |                         |              |      |         |              |                       |             |                        |  |                      |                |       |         |                |       |      |                     |                     |         |  |  |  |  |      |     |  |  |  |  |  |           |                        |     |     |     |       |                     |  |  |    |  |     |                     |  |  |   |  |   |                    |                                  |  |  |     |    |  |                                      |  |  |    |    |                       |            |     |  |  |    |                   |              |  |     |  |     |                            |  |     |  |   |    |                       |  |     |  |    |    |      |  |  |       |  |        |                     |         |  |  |  |  |      |     |  |  |  |  |

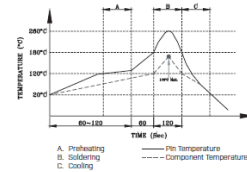
F-723-001

Revision: A

| SOLDERABILITY  |   |     |     |     |       |
|----------------|---|-----|-----|-----|-------|
| parameter      | conditions/description                      | min | typ | max | units |
| wave soldering | dipped in solder pot for 5 ± 0.5 seconds at | 255 | 260 | 265 | °C    |

**SOLDERABILITY**

| parameter      | conditions/description | min | typ | max | units |
|----------------|------------------------|-----|-----|-----|-------|
| wave soldering | for max 5 seconds      | 255 | 260 | 265 | °C    |



Affected Date Code: **5/23/23**

Product Availability: **Channel Availability Q2**

Additional Information:

PCN Approval:

Operations/Quality

*Rajiv Dhanraj*

Product Management

*RH*