

Product Change Notice (PCN)

Date: 07/30/2024

PCN Number: PCN-0450927R-01

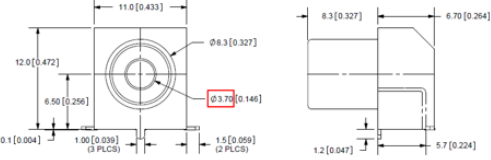
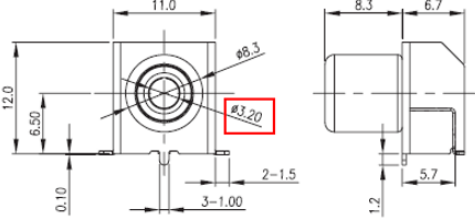
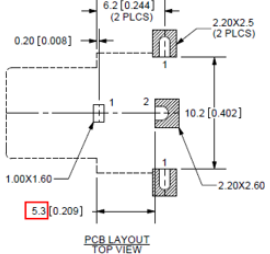
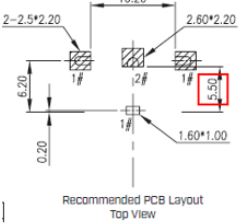
To Our Customers:

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: RCJ-01X-SMT-TR series. RCJ-011-SMT-TR, RCJ-013-SMT-TR & RCJ-014-SMT-TR

Reason(s) for Change: *Manufacturing Improvement processes*

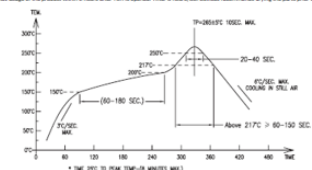
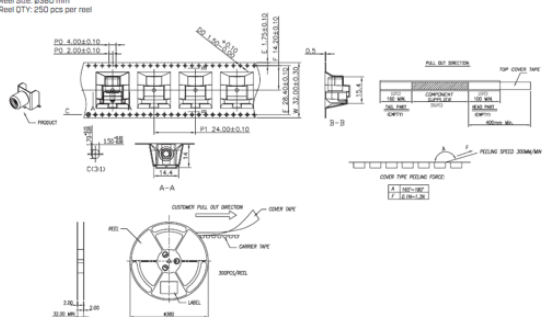
Description of Change: *New Factory Location. Product re-engineered for improved manufacturability and production yield. See image below for reference and check CUI Devices website for updated drawing. Cosmetic differences may be visible but will not affect the form fit and function of the product.*

| PREVIOUS CUI DEVICES DETAIL / IMAGE | NEW CUI DEVICES DETAIL / IMAGE |
|--|---|
|  |  |
|  <p>PCB LAYOUT TOP VIEW</p> |  <p>Recommended PCB Layout Top View</p> |

F-723-001

Revision: A

| 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>SHELL</td> <td>Brass</td> <td>Tin</td> </tr> <tr> <td>BRACKET</td> <td>C.R. Steel</td> <td>Tin</td> </tr> <tr> <td>CENTER CONTACT</td> <td>Brass</td> <td>Tin</td> </tr> <tr> <td>INSULATOR</td> <td>PA66</td> <td></td> </tr> </tbody> </table> | | MATERIAL | PLATING | SHELL | Brass | Tin | BRACKET | C.R. Steel | Tin | CENTER CONTACT | Brass | Tin | INSULATOR | PA66 | | <table border="1"> <thead> <tr> <th>DESCRIPTION</th> <th>MATERIAL</th> <th>PLATING/COLOR</th> </tr> </thead> <tbody> <tr> <td>shell</td> <td>brass</td> <td>tin</td> </tr> <tr> <td>bracket</td> <td>SPCC</td> <td>tin</td> </tr> <tr> <td>center contact</td> <td>brass</td> <td>tin</td> </tr> <tr> <td>insulator</td> <td>PA10T (UL94V-0)</td> <td>black</td> </tr> <tr> <td>washer</td> <td>PA10T (UL94V-0)</td> <td>see part number key</td> </tr> </tbody> </table> | DESCRIPTION | MATERIAL | PLATING/COLOR | shell | brass | tin | bracket | SPCC | tin | center contact | brass | tin | insulator | PA10T (UL94V-0) | black | washer | PA10T (UL94V-0) | see part number key | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | MATERIAL | PLATING | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SHELL | Brass | Tin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BRACKET | C.R. Steel | Tin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CENTER CONTACT | Brass | Tin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| INSULATOR | PA66 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DESCRIPTION | MATERIAL | PLATING/COLOR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| shell | brass | tin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| bracket | SPCC | tin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| center contact | brass | tin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| insulator | PA10T (UL94V-0) | black | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| washer | PA10T (UL94V-0) | see part number key | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>SPECIFICATIONS: CONTACT RESISTANCE: 25m OHMS MAX INSULATION RESISTANCE: 100M OHMS MIN: 500V DC VOLTAGE WITHSTAND: 500V AC R.M.S. FOR 1 MINUTE LIFE: 5,000 CYCLES OPERATING TFMP: -25~85C</p> | <p>SPECIFICATIONS</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 voltage</td> <td></td> <td></td> <td>12</td> <td></td> <td>Vdc</td> </tr> <tr> <td>rated current</td> <td></td> <td></td> <td></td> <td>1</td> <td>A</td> </tr> <tr> <td>contact resistance</td> <td></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></td> <td>500</td> <td>Vac</td> </tr> <tr> <td>insertion force</td> <td>with mating plug</td> <td></td> <td></td> <td>3.5</td> <td>kgf</td> </tr> <tr> <td>withdrawal force</td> <td>with mating plug</td> <td>0.8</td> <td></td> <td></td> <td>kgf</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></td> <td>5,000</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 voltage | | | 12 | | Vdc | rated current | | | | 1 | A | contact resistance | | | | 30 | mΩ | insulation resistance | at 500 Vdc | 100 | | | MΩ | voltage withstand | for 1 minute | | | 500 | Vac | insertion force | with mating plug | | | 3.5 | kgf | withdrawal force | with mating plug | 0.8 | | | kgf | operating temperature | | -25 | | 85 | °C | life | | | | 5,000 | cycles | flammability rating | UL94V-0 | | | | | RoHS | yes | | | | |
| parameter | conditions/description | min | typ | max | units | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| rated voltage | | | 12 | | Vdc | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| rated current | | | | 1 | A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| contact resistance | | | | 30 | mΩ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| insulation resistance | at 500 Vdc | 100 | | | MΩ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| voltage withstand | for 1 minute | | | 500 | Vac | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| insertion force | with mating plug | | | 3.5 | kgf | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| withdrawal force | with mating plug | 0.8 | | | kgf | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| operating temperature | | -25 | | 85 | °C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| life | | | | 5,000 | cycles | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| flammability rating | UL94V-0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RoHS | yes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| PREVIOUS CUI DEVICES DETAIL / IMAGE | NEW CUI DEVICES DETAIL / IMAGE | | | | | | | | | | | | | | | | | | |
|-------------------------------------|---|-----------|------------------------|-----|-------|-----|-------|--------------|---|--|--|--|--|------------------|--------------------|-----|-----|-----|----|
| | <p>SOLDERABILITY</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>rest storage</td> <td>-5-35°C, 25-80% humidity rest opened use within 1 month rest unopened use within 6 months</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>reflow soldering</td> <td>see reflow profile</td> <td>260</td> <td>265</td> <td>270</td> <td>°C</td> </tr> </tbody> </table> <p>Note: 1. CUI Devices recommends usage of the product within 2 hours after 100% is opened. After 6 hours, CUI Devices recommends drying the part prior to use.</p>  | parameter | conditions/description | min | typ | max | units | rest storage | -5-35°C, 25-80% humidity rest opened use within 1 month rest unopened use within 6 months | | | | | reflow soldering | see reflow profile | 260 | 265 | 270 | °C |
| parameter | conditions/description | min | typ | max | units | | | | | | | | | | | | | | |
| rest storage | -5-35°C, 25-80% humidity rest opened use within 1 month rest unopened use within 6 months | | | | | | | | | | | | | | | | | | |
| reflow soldering | see reflow profile | 260 | 265 | 270 | °C | | | | | | | | | | | | | | |
| | <p>PACKAGING</p> <p>units: mm</p> <p>Reel Size: Ø380 mm Reel QTY: 250 pcs per reel</p>  | | | | | | | | | | | | | | | | | | |



Affected Date Code: All orders placed after **1/30/24**

PCN Approval:

Operations/Quality

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

Product Management

A handwritten signature in black ink, appearing to read "J. [unclear]", written over a horizontal line.