

Product Change Notice (PCN)

Date: **4/7/2023**

PCN Number: **PCN-0450008R-01**

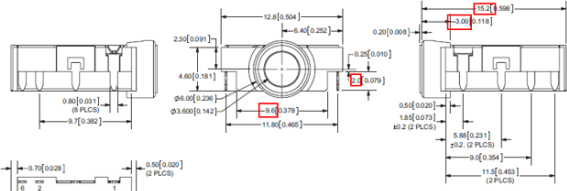
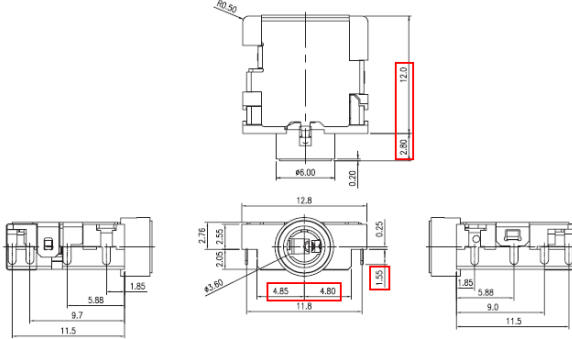
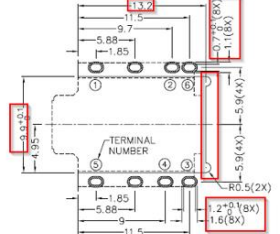
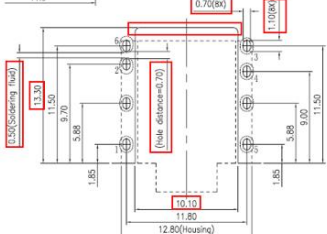
To Our Customers:

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-3506-SMT-TR

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

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

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

| | MATERIAL | PLATING |
|------------|--------------------|---------------|
| terminal 1 | copper alloy | gold flash |
| terminal 2 | copper alloy | gold flash |
| terminal 3 | copper alloy | gold flash |
| terminal 4 | copper alloy | gold flash |
| terminal 5 | copper alloy | gold flash |
| terminal 6 | copper alloy | gold flash |
| shield | copper alloy | nickel plated |
| bushing | brass | nickel plated |
| plastic | PA6T or equivalent | |

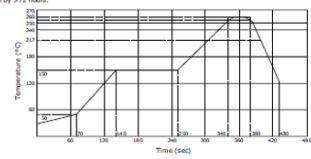
| DESCRIPTION | MATERIAL | PLATING/COLOR |
|-------------|----------------------------|--------------------|
| terminal 1 | phosphor bronze t=0.20 | silver over nickel |
| terminal 2 | beryllium bronze t=0.20 | silver over nickel |
| terminal 3 | beryllium bronze t=0.20 | silver over nickel |
| terminal 4 | phosphor bronze t=0.25 | silver over nickel |
| terminal 5 | phosphor bronze t=0.20 | silver over nickel |
| terminal 6 | brass t=0.20 | silver over nickel |
| shield | phosphor bronze t=0.20 | nickel |
| bushing | copper alloy | nickel |
| housing | PA10T (UL94V-0) | black |
| mylar | teflon t=0.05 | |

| parameter | conditions/description | min | typ | max | units |
|---------------------------------|--|-----|-------|----------|----------|
| rated input voltage | | | 12 | | Vdc |
| rated input current | | | 1 | | A |
| contact resistance ¹ | between terminal and mating plug between terminal in a closed circuit | | | 50 30 | mΩ mΩ |
| insulation resistance | at 500 Vdc | 100 | | | MΩ |
| voltage withstand | for 1 minute | | 500 | | Vac |
| insertion/withdrawal force | | 0.3 | | 3 | kg |
| operating temperature | | -25 | | 85 | °C |
| life | at a rate of 24 cycles/minute | | 5,000 | | cycles |
| flammability rating | UL94V-0 | | | | |
| RoHS | yes | | | | |

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| RoHS | yes | | | | |

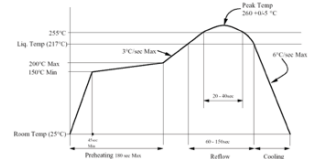
| parameter | conditions/description | min | typ | max | units |
|--------------------------------|--|-----|-----|-----|-------|
| reel storage | at relative humidity <80% | | | 40 | °C |
| reflow soldering ³ | see reflow profile | 255 | 260 | 265 | °C |
| drying conditions ⁴ | parts in reel: bake at 40°C ±5°C for 72 hours parts removed from reel: bake at 40°C ±5°C for 10 hours | | | | |

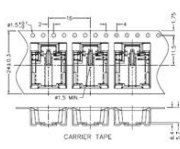
Note: 3. Must reflow solder within 72 hours from opening vacuum packaging at a temperature <30°C & relative humidity <60%.
4. When exceeding floor life by >12 hours.



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|-------------------------------|---------------------------|-----|-----|-----|-------|
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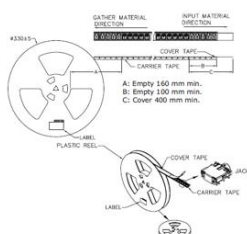
Note: 1. CU Devices recommends usage of the product within 24 hours after 168 is opened. After 24 hours, CU Devices recommends drying the parts prior to use.





Reel Size: Ø330 mm
Reel QTY: 500 pcs per reel

A: Empty 160 mm min.
B: Empty 100 mm min.
C: Cover 400 mm min.



Reel Size: Ø330 mm
Reel QTY: 500 pcs per reel

NOTE:
1. CARRIER TAPE PACKING LENGTH
TRAILER CONNECTORS LEADER(START)
2. FEELING FORCE: 0.2N~1.5N (20g~150g)

Affected Date Code: 4/7/23

Product Availability: Channel Availability Q2

Additional Information:

PCN Approval:

F-723-001

Revision: A



Operations/Quality

Rae Adams

Product Management

RH
