

Product Change Notice (PCN)

Date: **04/18/2024**

PCN Number: **PCN-0456198R-01**

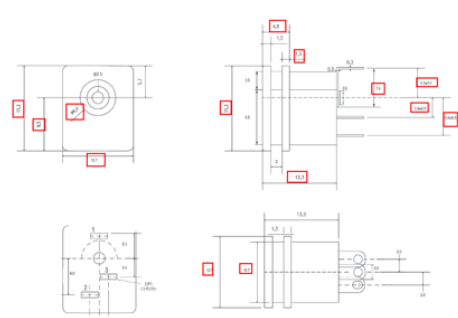
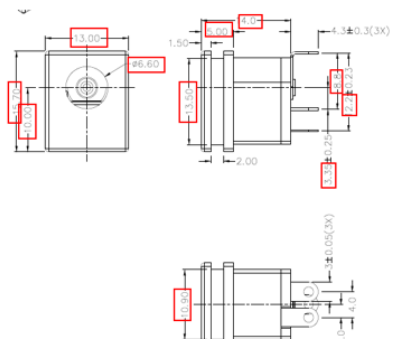
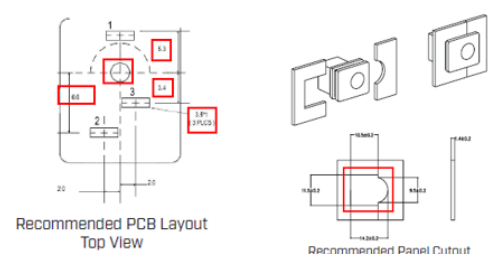
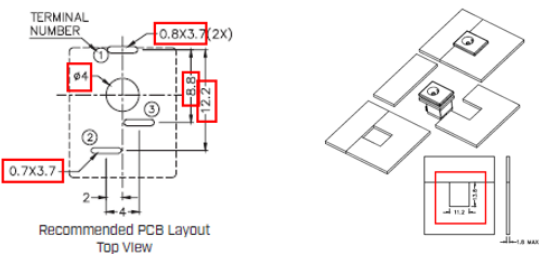
To Our Customers:

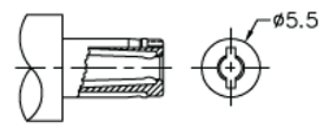
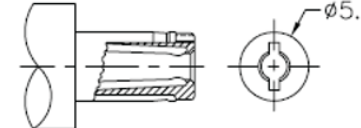
We appreciate your use of our products. Our commitment in maintaining and improving processes is demonstrated by plans to enhance our product quality, reliability, and manufacturability. The purpose of this notice is to inform you of a product change.

Product(s) Affected: *PJ-009BH*

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

Description of Change: *Product re-engineered for improved manufacturability and production yield. See image below for product changes and refer to the updated drawing online. Cosmetic differences may be visible and not affect the form fit and function of the product.*

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

| PREVIOUS CUI DEVICES DETAIL / IMAGE | | | NEW CUI DEVICES DETAIL / IMAGE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|---------------|--|------------------------|--------------------|-----|-----|-------|---------------------|--|--|----|--|-----|---------------------|--|--|--|-----|---|--------------------|--|--|--|----------|----------|-----------------------|------------|-----|--|--|----|-------------------|--------------|--|--|-----|-----|----------------------------|--|-----|--|---|----|-----------------------|--|-----|--|----|----|------|--|--|-------|--|--------|---------------------|---------|--|--|--|--|------|-----|--|--|--|--|--|--|--|-----------|------------------------|-----|-----|-----|-------|---------------------|--|--|----|--|-----|---------------------|--|--|--|-----|---|--------------------|--|--|--|----------|----------|-----------------------|------------|-----|--|--|----|-------------------|--------------|--|--|-----|-----|----------------------------|--|-----|--|---|----|-----------------------|--|-----|--|----|----|------|--|--|-------|--|--------|---------------------|---------|--|--|--|--|------|-----|--|--|--|--|
| DESCRIPTION | MATERIAL | PLATING/COLOR | DESCRIPTION | MATERIAL | PLATING/COLOR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| center pin | brass | nickel | center pin | brass | nickel | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| terminal 1 | brass | silver | terminal 1 | brass | silver over nickel | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| terminal 2 | copper alloy | silver | terminal 2 | copper alloy | silver over nickel | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| terminal 3 | brass | silver | terminal 3 | brass | silver over nickel | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| housing | PBT (UL94V-0) | black | housing | PBT (UL94V-0) | black | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  <p>MATING PLUG Jack Insertion Depth: 9.5 mm</p> | | |  <p>MATING PLUG Jack Insertion Depth: 9.6 mm</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SPECIFICATIONS <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>24</td> <td></td> <td>Vdc</td> </tr> <tr> <td>rated input current</td> <td></td> <td></td> <td></td> <td>5.0</td> <td>A</td> </tr> <tr> <td>contact resistance</td> <td>between terminal and mating plug between terminal in a closed circuit</td> <td></td> <td></td> <td>50 30</td> <td>mΩ 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/withdrawal force</td> <td></td> <td>0.5</td> <td></td> <td>2</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 | | | 24 | | Vdc | rated input current | | | | 5.0 | A | contact resistance | 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 | | 0.5 | | 2 | kg | operating temperature | | -25 | | 85 | °C | life | | | 5,000 | | cycles | flammability rating | UL94V-0 | | | | | RoHS | yes | | | | | SPECIFICATIONS <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>24</td> <td></td> <td>Vdc</td> </tr> <tr> <td>rated input current</td> <td></td> <td></td> <td></td> <td>5.0</td> <td>A</td> </tr> <tr> <td>contact resistance</td> <td>between terminal and mating plug between terminal in a closed circuit</td> <td></td> <td></td> <td>50 30</td> <td>mΩ 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/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 | | | 24 | | Vdc | rated input current | | | | 5.0 | A | contact resistance | 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 | | | 5,000 | | cycles | flammability rating | UL94V-0 | | | | | RoHS | yes | | | | |
| parameter | conditions/description | min | typ | max | units | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| rated input voltage | | | 24 | | Vdc | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| rated input current | | | | 5.0 | A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| contact resistance | 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 | | 0.5 | | 2 | 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 | | | 24 | | Vdc | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| rated input current | | | | 5.0 | A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| contact resistance | 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 | | | 5,000 | | cycles | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| flammability rating | UL94V-0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RoHS | yes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Affected Date Code: All orders placed after **04/10/2024**

Product Availability: *Pertaining to market availability*

PCN Approval:

Operations/Quality



Product Management



F-723-001

Revision: A