

Product Change Notice (PCN)

Date: **6/2/2023**

PCN Number: **PCN-0450571R-01**

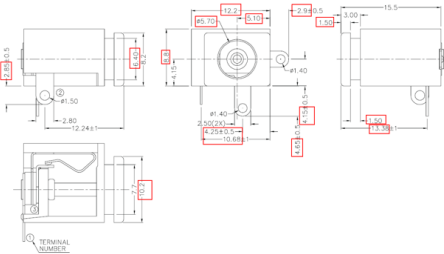
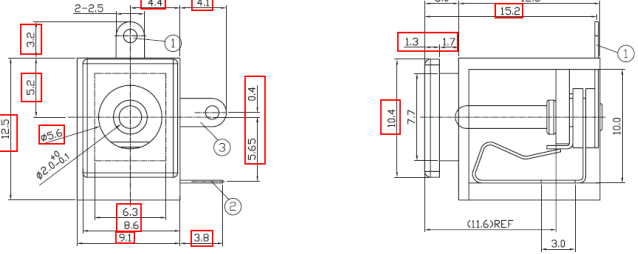
To Our Customers:

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-008A

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

Description of Change: *Mechanical, material, and electrical changes as shown below:*

| PREVIOUS CUI DEVICES DETAIL / IMAGE | NEW CUI DEVICES DETAIL / IMAGE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|------------------------|---------|------------|--------|--------|---------------------|-------|-----|------------|--------------|-----|---------------------|-------|-----|------------|-----|---|--------------------|----------------------------------|--|--|-------------|----------|---------------|--------------------------------------|-------|------|------------|-------|-----------------------|------------|-------------|------|------------|-------|-------------------|-------------------------|---------------|-------|--|-----|----------------------------|--|-----|--|---|----|-----------------------|--|-----|--|----|----|------|--|--|-------|--|--------|---------------------|---------|--|--|--|--|------|-----|--|--|--|--|--|-----------|------------------------|-----|-----|-----|-------|---------------------|--|--|----|--|-----|---------------------|--|--|-----|--|---|--------------------|----------------------------------|--|-----|--|----|--|--------------------------------------|--|----|--|----|-----------------------|------------|-----|--|--|----|-------------------|--------------|--|-----|--|-----|----------------------------|--|-----|--|---|----|-----------------------|--|-----|--|----|----|------|--|--|-------|--|--------|---------------------|---------|--|--|--|--|------|-----|--|--|--|--|
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| <table border="1"> <thead> <tr> <th></th> <th>MATERIAL</th> <th>PLATING</th> </tr> </thead> <tbody> <tr> <td>center pin</td> <td>copper</td> <td>nickel</td> </tr> <tr> <td>terminal 1</td> <td>brass</td> <td>tin</td> </tr> <tr> <td>terminal 2</td> <td>copper alloy</td> <td>tin</td> </tr> <tr> <td>terminal 3</td> <td>brass</td> <td>tin</td> </tr> <tr> <td>insulators</td> <td>PBT</td> <td></td> </tr> <tr> <td>plastic</td> <td>PBT</td> <td></td> </tr> </tbody> </table> | | MATERIAL | PLATING | center pin | copper | nickel | terminal 1 | brass | tin | terminal 2 | copper alloy | tin | terminal 3 | brass | tin | insulators | PBT | | plastic | PBT | | <table border="1"> <thead> <tr> <th>DESCRIPTION</th> <th>MATERIAL</th> <th>PLATING/COLOR</th> </tr> </thead> <tbody> <tr> <td>center pin</td> <td>brass</td> <td>CuSn</td> </tr> <tr> <td>terminal 1</td> <td>brass</td> <td>silver</td> </tr> <tr> <td>terminal 2</td> <td>65 Mn steel</td> <td>CuSn</td> </tr> <tr> <td>terminal 3</td> <td>brass</td> <td>CuSn</td> </tr> <tr> <td>housing</td> <td>PBT (UL94V-0)</td> <td>black</td> </tr> </tbody> </table> | DESCRIPTION | MATERIAL | PLATING/COLOR | center pin | brass | CuSn | terminal 1 | brass | silver | terminal 2 | 65 Mn steel | CuSn | terminal 3 | brass | CuSn | housing | PBT (UL94V-0) | black | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | MATERIAL | PLATING | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| center pin | copper | nickel | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| terminal 1 | brass | tin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| terminal 2 | copper alloy | tin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| terminal 3 | brass | tin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| insulators | PBT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| plastic | PBT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DESCRIPTION | MATERIAL | PLATING/COLOR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| center pin | brass | CuSn | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| terminal 1 | brass | silver | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| terminal 2 | 65 Mn steel | CuSn | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| terminal 3 | brass | CuSn | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| housing | PBT (UL94V-0) | black | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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 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>0.5</td> <td></td> <td>A</td> </tr> <tr> <td>contact resistance</td> <td>between terminal and mating plug</td> <td></td> <td>50</td> <td></td> <td>mΩ</td> </tr> <tr> <td></td> <td>between terminal in a closed circuit</td> <td></td> <td>30</td> <td></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>at 50/60Hz for 1 minute</td> <td></td> <td>500</td> <td></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 | | | 0.5 | | 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 | at 50/60Hz 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 | | | | | <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 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>0.5</td> <td></td> <td>A</td> </tr> <tr> <td>contact resistance</td> <td>between terminal and mating plug</td> <td></td> <td>100</td> <td></td> <td>mΩ</td> </tr> <tr> <td></td> <td>between terminal in a closed circuit</td> <td></td> <td>30</td> <td></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>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 | | | 0.5 | | A | contact resistance | between terminal and mating plug | | 100 | | mΩ | | between terminal in a closed circuit | | 30 | | mΩ | insulation resistance | at 500 Vdc | 100 | | | MΩ | voltage withstand | for 1 minute | | 500 | | 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 | | | 0.5 | | 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 | at 50/60Hz 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 | | | 0.5 | | A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| contact resistance | between terminal and mating plug | | 100 | | mΩ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | between terminal in a closed circuit | | 30 | | mΩ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| insulation resistance | at 500 Vdc | 100 | | | MΩ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| voltage withstand | for 1 minute | | 500 | | 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: **5/30/2023**

F-723-001

Revision: A



Product Availability: *Channel Availability Q3*

Additional Information:

PCN Approval:

Operations/Quality

Rae O'Grady

Product Management

RH
