

| PREVIOUS CUI DETAIL / IMAGE | | | | NEW CUI DEVICES DETAIL / IMAGE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--------------------|-----|--------------------------------|------------------------|---------------|-----|-----|-------|--------------|------------------------|--------|--|--|----|-------------------------------|--------------------|--------|-----|--|----|--------------------------------|--|--------|--|--|--|---|----------------|-------|--|-----------|------------------------|--|-----|-----|-------|--------------|---------------------------|---------------|--|----|----|-------------------------------|--------------------|--------------------|-----|-----|----|--------------------------------|--|--------------------|--|--|--|------------|--------------|--------------------|--|--|--|---------|-----------------|-------|--|--|--|
| <table border="1"> <thead> <tr> <th>DESCRIPTION</th> <th>MATERIAL</th> <th>PLATING/COLOR</th> <th></th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>terminal 1</td> <td>stainless steel</td> <td>silver</td> <td></td> <td></td> <td></td> </tr> <tr> <td>terminal 2</td> <td>copper alloy</td> <td>silver</td> <td></td> <td></td> <td></td> </tr> <tr> <td>terminal 3</td> <td>copper alloy</td> <td>silver</td> <td></td> <td></td> <td></td> </tr> <tr> <td>housing</td> <td>PA8T (UL94V-D)</td> <td>black</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | | | | DESCRIPTION | MATERIAL | PLATING/COLOR | | | | terminal 1 | stainless steel | silver | | | | terminal 2 | copper alloy | silver | | | | terminal 3 | copper alloy | silver | | | | housing | PA8T (UL94V-D) | black | | | | <table border="1"> <thead> <tr> <th>DESCRIPTION</th> <th>MATERIAL</th> <th>PLATING/COLOR</th> <th></th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>terminal 1</td> <td>stainless steel</td> <td>silver over nickel</td> <td></td> <td></td> <td></td> </tr> <tr> <td>terminal 2</td> <td>copper alloy</td> <td>silver over nickel</td> <td></td> <td></td> <td></td> </tr> <tr> <td>terminal 3</td> <td>copper alloy</td> <td>silver over nickel</td> <td></td> <td></td> <td></td> </tr> <tr> <td>housing</td> <td>PA10T (UL94V-D)</td> <td>black</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | | | | DESCRIPTION | MATERIAL | PLATING/COLOR | | | | terminal 1 | stainless steel | silver over nickel | | | | terminal 2 | copper alloy | silver over nickel | | | | terminal 3 | copper alloy | silver over nickel | | | | housing | PA10T (UL94V-D) | black | | | |
| DESCRIPTION | MATERIAL | PLATING/COLOR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| terminal 1 | stainless steel | silver | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| terminal 2 | copper alloy | silver | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| terminal 3 | copper alloy | silver | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| housing | PA8T (UL94V-D) | black | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DESCRIPTION | MATERIAL | PLATING/COLOR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| terminal 1 | stainless steel | silver over nickel | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| terminal 2 | copper alloy | silver over nickel | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| terminal 3 | copper alloy | silver over nickel | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| housing | PA10T (UL94V-D) | black | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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>refl storage</td> <td>10-30°C, <10% humidity</td> <td></td> <td></td> <td></td> <td>°C</td> </tr> <tr> <td>reflow soldering¹</td> <td>see reflow profile</td> <td>255</td> <td>260</td> <td></td> <td>°C</td> </tr> <tr> <td>drying conditions²</td> <td>parts in reel: bake at 110°C for 4 hours parts removed from reel: bake at 110°C for 4 hours</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p>Note: 1. CUI Devices recommends to solder within 72 hours from opening vacuum packaging at a temperature <30°C & relative humidity <65%. 2. When exceeding floor life by >100 hours.</p> | | | | parameter | conditions/description | min | typ | max | units | refl storage | 10-30°C, <10% humidity | | | | °C | reflow soldering ¹ | see reflow profile | 255 | 260 | | °C | drying conditions ² | parts in reel: bake at 110°C for 4 hours parts removed from reel: bake at 110°C for 4 hours | | | | | <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>refl storage</td> <td>at relative humidity <60%</td> <td></td> <td></td> <td>40</td> <td>°C</td> </tr> <tr> <td>reflow soldering¹</td> <td>see reflow profile</td> <td>255</td> <td>260</td> <td>265</td> <td>°C</td> </tr> <tr> <td>drying conditions²</td> <td>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</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p>Note: 1. It is recommended to reflow solder within 72 hours from opening vacuum packaging at a temperature <30°C & relative humidity <65%. 2. When exceeding floor life by >70 hours.</p> | | | | parameter | conditions/description | min | typ | max | units | refl storage | at relative humidity <60% | | | 40 | °C | reflow soldering ¹ | see reflow profile | 255 | 260 | 265 | °C | drying conditions ² | 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 | | | | | | | | | | | | | | | | |
| parameter | conditions/description | min | typ | max | units | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| refl storage | 10-30°C, <10% humidity | | | | °C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| reflow soldering ¹ | see reflow profile | 255 | 260 | | °C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| drying conditions ² | parts in reel: bake at 110°C for 4 hours parts removed from reel: bake at 110°C for 4 hours | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| parameter | conditions/description | min | typ | max | units | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| refl storage | at relative humidity <60% | | | 40 | °C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| reflow soldering ¹ | see reflow profile | 255 | 260 | 265 | °C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| PREVIOUS CUI DETAIL / IMAGE | | NEW CUI DEVICES DETAIL / IMAGE | |
|--|--|--|--|
| <p>PACKAGING</p> <p>units: mm Reel Size: Ø330 mm Reel QTY: 1,000 parts per reel</p> | | <p>PACKAGING</p> <p>units: mm Reel Size: Ø330 mm Reel QTY: 1,000 parts per reel</p> | |

Affected Date Code: All orders placed before **08/30/2024** will be pre-PCN parts. Orders placed after **08/30/2024** will be manufactured in accordance with the PCN. Please check updated 2D drawing on or after **08/30/2024**.

PCN Approval:

Operations/Quality

Product Management