

|                 | 1                                         | 2                                           | 3 | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 5 | 6                                                                                                                                                                                                                                                                                                                                                                                                                         | 7 | 8 | 9 |   |   |   |   |   |              |           |  |  |  |  |  |  |  |               |                |  |  |  |  |  |  |  |                 |              |  |  |  |  |  |  |  |            |                |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                             |  |  |                             |                                             |                            |                                           |  |
|-----------------|-------------------------------------------|---------------------------------------------|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|---|---|---|---|---|---|--------------|-----------|--|--|--|--|--|--|--|---------------|----------------|--|--|--|--|--|--|--|-----------------|--------------|--|--|--|--|--|--|--|------------|----------------|--|--|--|--|--|--|--|-------------|--|--|--|--|--|--|--|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|-----------------------------|---------------------------------------------|----------------------------|-------------------------------------------|--|
| G               | <b>Engineer Drawing</b>                   |                                             |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |   |                                                                                                                                                                                                                                                                                                                                                                                                                           |   |   |   |   |   |   |   |   |              |           |  |  |  |  |  |  |  |               |                |  |  |  |  |  |  |  |                 |              |  |  |  |  |  |  |  |            |                |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                             |  |  |                             |                                             |                            |                                           |  |
| F               | <p>Circuit 1</p>                          |                                             |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |   | <b>SPECIFICATIONS:</b><br>Voltage Rating:250V AC/DC<br>Current Rating:3.0A AC/DC<br>Withstanding Voltage:1000V AC/minute<br>Temperature Range:-40℃ To +85℃<br>Insulation Resistance:1000mΩ Min<br>Contact Resistance:20mΩ Max<br>After environmental testing:40mΩ Max<br>Wafer Material:PA66 UL94V-0 Black<br>Pin Material:Brass/Tin or Gold Flash over nickel 30u"Min<br>Plating Method:Gold Plated<br>Color:Black White |   |   |   |   |   |   |   |   |              |           |  |  |  |  |  |  |  |               |                |  |  |  |  |  |  |  |                 |              |  |  |  |  |  |  |  |            |                |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                             |  |  |                             |                                             |                            |                                           |  |
| E               |                                           |                                             |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |   |                                                                                                                                                                                                                                                                                                                                                                                                                           |   |   |   |   |   |   |   |   |              |           |  |  |  |  |  |  |  |               |                |  |  |  |  |  |  |  |                 |              |  |  |  |  |  |  |  |            |                |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                             |  |  |                             |                                             |                            |                                           |  |
| D               |                                           |                                             |   | <p style="text-align: center;">SECTION A-A<br/>SCALE 1:1</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |                                                                                                                                                                                                                                                                                                                                                                                                                           |   |   |   |   |   |   |   |   |              |           |  |  |  |  |  |  |  |               |                |  |  |  |  |  |  |  |                 |              |  |  |  |  |  |  |  |            |                |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                             |  |  |                             |                                             |                            |                                           |  |
| C               |                                           |                                             |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |   |                                                                                                                                                                                                                                                                                                                                                                                                                           |   |   |   |   |   |   |   |   |              |           |  |  |  |  |  |  |  |               |                |  |  |  |  |  |  |  |                 |              |  |  |  |  |  |  |  |            |                |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                             |  |  |                             |                                             |                            |                                           |  |
| B               |                                           |                                             |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |   |                                                                                                                                                                                                                                                                                                                                                                                                                           |   |   |   |   |   |   |   |   |              |           |  |  |  |  |  |  |  |               |                |  |  |  |  |  |  |  |                 |              |  |  |  |  |  |  |  |            |                |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                             |  |  |                             |                                             |                            |                                           |  |
| A               |                                           |                                             |   | <p><b>IPCW 254 W X X X X XX X</b></p> <table border="0"><tr><td>①</td><td>②</td><td>③</td><td>④</td><td>⑤</td><td>⑥</td><td>⑦</td><td>⑧</td><td>⑨</td></tr><tr><td>①Series Type</td><td colspan="3">⑤Pin Code</td><td colspan="5"></td></tr><tr><td>②Pitch:2.54mm</td><td colspan="3">⑥Material Code</td><td colspan="5"></td></tr><tr><td>③Connector Type</td><td colspan="3">⑦Colour Code</td><td colspan="5"></td></tr><tr><td>④Rows Code</td><td colspan="3">⑧Internal Code</td><td colspan="5"></td></tr><tr><td>⑨Other Code</td><td colspan="8"></td></tr></table> |   | ①                                                                                                                                                                                                                                                                                                                                                                                                                         | ② | ③ | ④ | ⑤ | ⑥ | ⑦ | ⑧ | ⑨ | ①Series Type | ⑤Pin Code |  |  |  |  |  |  |  | ②Pitch:2.54mm | ⑥Material Code |  |  |  |  |  |  |  | ③Connector Type | ⑦Colour Code |  |  |  |  |  |  |  | ④Rows Code | ⑧Internal Code |  |  |  |  |  |  |  | ⑨Other Code |  |  |  |  |  |  |  |  | <div>GENERAL TOLERANCES:<br/>X.=±0.30<br/>X.X=±0.20<br/>X.XX=±0.10</div> <table border="1"><tr><td rowspan="3"></td><td>PART NO:<br/>IPCW254W1 xx7EV</td><td rowspan="2">NAME:<br/>2.54mm Crimp Style Connectors 180°</td></tr><tr><td>DRAWING NO<br/>IPCW254W17EV</td></tr><tr><td colspan="2">SHEET 1 OF 1    UNITS:mm SCALE:1:1 REV.01</td></tr></table> |  |  | PART NO:<br>IPCW254W1 xx7EV | NAME:<br>2.54mm Crimp Style Connectors 180° | DRAWING NO<br>IPCW254W17EV | SHEET 1 OF 1    UNITS:mm SCALE:1:1 REV.01 |  |
| ①               | ②                                         | ③                                           | ④ | ⑤                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | ⑥ | ⑦                                                                                                                                                                                                                                                                                                                                                                                                                         | ⑧ | ⑨ |   |   |   |   |   |   |              |           |  |  |  |  |  |  |  |               |                |  |  |  |  |  |  |  |                 |              |  |  |  |  |  |  |  |            |                |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                             |  |  |                             |                                             |                            |                                           |  |
| ①Series Type    | ⑤Pin Code                                 |                                             |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |   |                                                                                                                                                                                                                                                                                                                                                                                                                           |   |   |   |   |   |   |   |   |              |           |  |  |  |  |  |  |  |               |                |  |  |  |  |  |  |  |                 |              |  |  |  |  |  |  |  |            |                |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                             |  |  |                             |                                             |                            |                                           |  |
| ②Pitch:2.54mm   | ⑥Material Code                            |                                             |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |   |                                                                                                                                                                                                                                                                                                                                                                                                                           |   |   |   |   |   |   |   |   |              |           |  |  |  |  |  |  |  |               |                |  |  |  |  |  |  |  |                 |              |  |  |  |  |  |  |  |            |                |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                             |  |  |                             |                                             |                            |                                           |  |
| ③Connector Type | ⑦Colour Code                              |                                             |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |   |                                                                                                                                                                                                                                                                                                                                                                                                                           |   |   |   |   |   |   |   |   |              |           |  |  |  |  |  |  |  |               |                |  |  |  |  |  |  |  |                 |              |  |  |  |  |  |  |  |            |                |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                             |  |  |                             |                                             |                            |                                           |  |
| ④Rows Code      | ⑧Internal Code                            |                                             |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |   |                                                                                                                                                                                                                                                                                                                                                                                                                           |   |   |   |   |   |   |   |   |              |           |  |  |  |  |  |  |  |               |                |  |  |  |  |  |  |  |                 |              |  |  |  |  |  |  |  |            |                |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                             |  |  |                             |                                             |                            |                                           |  |
| ⑨Other Code     |                                           |                                             |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |   |                                                                                                                                                                                                                                                                                                                                                                                                                           |   |   |   |   |   |   |   |   |              |           |  |  |  |  |  |  |  |               |                |  |  |  |  |  |  |  |                 |              |  |  |  |  |  |  |  |            |                |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                             |  |  |                             |                                             |                            |                                           |  |
|                 | PART NO:<br>IPCW254W1 xx7EV               | NAME:<br>2.54mm Crimp Style Connectors 180° |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |   |                                                                                                                                                                                                                                                                                                                                                                                                                           |   |   |   |   |   |   |   |   |              |           |  |  |  |  |  |  |  |               |                |  |  |  |  |  |  |  |                 |              |  |  |  |  |  |  |  |            |                |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                             |  |  |                             |                                             |                            |                                           |  |
|                 | DRAWING NO<br>IPCW254W17EV                |                                             |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |   |                                                                                                                                                                                                                                                                                                                                                                                                                           |   |   |   |   |   |   |   |   |              |           |  |  |  |  |  |  |  |               |                |  |  |  |  |  |  |  |                 |              |  |  |  |  |  |  |  |            |                |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                             |  |  |                             |                                             |                            |                                           |  |
|                 | SHEET 1 OF 1    UNITS:mm SCALE:1:1 REV.01 |                                             |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |   |                                                                                                                                                                                                                                                                                                                                                                                                                           |   |   |   |   |   |   |   |   |              |           |  |  |  |  |  |  |  |               |                |  |  |  |  |  |  |  |                 |              |  |  |  |  |  |  |  |            |                |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                             |  |  |                             |                                             |                            |                                           |  |

Voltage Rating:250V AC/DC  
Current Rating:3.0A AC/DC  
Withstanding Voltage:1000V AC/minute  
Temperature Range:-40℃ To +85℃  
Insulation Resistance:1000mΩ Min  
Contact Resistance:20mΩ Max  
After environmental testing:40mΩ Max  
Wafer Material:PA66 UL94V-0 Black  
Pin Material:Brass/Tin or Gold Flash  
over nickel 30u"Min  
Plating Method:Gold Plated  
Color:Black White

| Poles | Dimensions (mm) |       | Poles | Dimensions (mm) |       |
|-------|-----------------|-------|-------|-----------------|-------|
|       | A               | B     |       | A               | B     |
| 2     | 2.54            | 7.62  | 14    | 33.02           | 38.10 |
| 3     | 5.08            | 10.16 | 15    | 35.56           | 40.64 |
| 4     | 7.62            | 12.70 | 16    | 38.10           | 43.18 |
| 5     | 10.16           | 15.24 | 17    | 40.64           | 45.72 |
| 6     | 12.70           | 17.78 | 18    | 43.18           | 48.26 |
| 7     | 15.24           | 20.32 | 19    | 45.72           | 50.80 |
| 8     | 17.78           | 22.86 | 20    | 48.26           | 53.34 |
| 9     | 20.32           | 25.40 | 21    | 50.80           | 55.88 |
| 10    | 22.86           | 27.94 | 22    | 53.34           | 58.42 |
| 11    | 25.40           | 30.48 | 23    | 55.88           | 60.96 |
| 12    | 27.94           | 33.02 | 24    | 58.42           | 63.50 |
| 13    | 30.48           | 35.56 |       |                 |       |

GENERAL  
TOLERANCES:  
X.=±0.30  
X.X=±0.20  
X.XX=±0.10

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|                             |
|-----------------------------|
| PART NO:<br>IPCW254W1 xx7EV |
| DRAWING NO<br>IPCW254W17EV  |

NAME:  
2.54mm Crimp Style  
Connectors 180°

|                                                                                                    |                           |
|----------------------------------------------------------------------------------------------------|---------------------------|
|  SHEET 1 OF 1 | UNITS:mm SCALE:1:1 REV.01 |
|----------------------------------------------------------------------------------------------------|---------------------------|

IPCW 254 W X X X X XX X

①      ②      ③   ④   ⑤   ⑥   ⑦   ⑧   ⑨

|                 |                |
|-----------------|----------------|
| ①Series Type    | ⑤Pin Code      |
| ②Pitch:2.54mm   | ⑥Material Code |
| ③Connector Type | ⑦Colour Code   |
| ④Rows Code      | ⑧Internal Code |
| ⑨Other Code     |                |