

# Customer Information Sheet

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------|--------|-------------------|--|---|--|--------------|--|------------------------|--|----------------------|--|-----|----|----------|-------|------|------|------|--------|-------------------------|--|--|--|---------------------|--|--|--|---------------------|--|--|--|----------------|--|--|--|---------------|--|--|--|
| DRAWING No.: M20-998XXXX                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      | SHEET 2 OF 2 |        | IF IN DOUBT - ASK |  | C |  | NOT TO SCALE |  | THIRD ANGLE PROJECTION |  | ALL DIMENSIONS IN mm |  |     |    |          |       |      |      |      |        |                         |  |  |  |                     |  |  |  |                     |  |  |  |                |  |  |  |               |  |  |  |
| <p>NOTES:</p> <p>1. RECOMMENDED PCB MOUNTING HOLE SIZE = <math>\varnothing 1.00\text{mm}</math>.</p> <p>2. ALL TOLERANCES ARE <math>\pm 0.25\text{mm}</math> UNLESS OTHERWISE STATED.</p> <p>3. FOR COMPLETE SPECIFICATION, SEE COMPONENT SPECIFICATION C001XX (LATEST ISSUE).</p>                                                                                                                                                                                                                                                                                                                                                                       |      |              |        |                   |  |   |  |              |  |                        |  |                      |  |     |    |          |       |      |      |      |        |                         |  |  |  |                     |  |  |  |                     |  |  |  |                |  |  |  |               |  |  |  |
| <p>SPECIFICATION:</p> <p>MATERIAL:<br/>MOULDING = PA6T UL94V-0, BLACK<br/>PINS = BRASS<br/>FINISH:<br/>PINS (OVER NICKEL):<br/>45 = GOLD<br/>46 = 100% TIN</p> <p>ELECTRICAL:<br/>CURRENT RATING = 3A MAX<br/>CONTACT RESISTANCE = <math>25\text{m}\Omega</math> MAX (GOLD),<br/><math>30\text{m}\Omega</math> MAX (TIN)<br/>INSULATION RESISTANCE = <math>1,000\text{M}\Omega</math> MIN<br/>DIELECTRIC STRENGTH = 750V AC/DC<br/>MECHANICAL:<br/>DURABILITY = 300 OPERATIONS (GOLD),<br/>50 OPERATIONS (TIN)<br/>ENVIRONMENTAL:<br/>TEMPERATURE RANGE = <math>-40^{\circ}\text{C}</math> TO <math>+105^{\circ}\text{C}</math><br/>PACKING:<br/>BAG</p> |      |              |        |                   |  |   |  |              |  |                        |  |                      |  |     |    |          |       |      |      |      |        |                         |  |  |  |                     |  |  |  |                     |  |  |  |                |  |  |  |               |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |              |        |                   |  |   |  |              |  |                        |  |                      |  |     |    |          |       |      |      |      |        |                         |  |  |  |                     |  |  |  |                     |  |  |  |                |  |  |  |               |  |  |  |
| <p>ORDER CODE: <b>M20-998XXXX</b></p> <p>No. OF CONTACTS PER ROW:<br/>02 TO 20, 23 TO 25,<br/>32, 36, 40</p> <p>FINISH:<br/>45 = GOLD<br/>46 = 100% TIN</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |              |        |                   |  |   |  |              |  |                        |  |                      |  |     |    |          |       |      |      |      |        |                         |  |  |  |                     |  |  |  |                     |  |  |  |                |  |  |  |               |  |  |  |
| <table><tr><td>WJP</td><td>23</td><td>01.08.17</td><td>20398</td></tr><tr><td>NAME</td><td>ISS.</td><td>DATE</td><td>C/NOTE</td></tr><tr><td colspan="4">APPROVED: W. J. PRESTON</td></tr><tr><td colspan="4">CHECKED: M. PLESTED</td></tr><tr><td colspan="4">DRAWN: P. ALEXANDER</td></tr><tr><td colspan="4">CUSTOMER REF.:</td></tr><tr><td colspan="4">ASSEMBLY DRG:</td></tr></table>                                                                                                                                                                                                                                                              |      |              |        |                   |  |   |  |              |  |                        |  |                      |  | WJP | 23 | 01.08.17 | 20398 | NAME | ISS. | DATE | C/NOTE | APPROVED: W. J. PRESTON |  |  |  | CHECKED: M. PLESTED |  |  |  | DRAWN: P. ALEXANDER |  |  |  | CUSTOMER REF.: |  |  |  | ASSEMBLY DRG: |  |  |  |
| WJP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 23   | 01.08.17     | 20398  |                   |  |   |  |              |  |                        |  |                      |  |     |    |          |       |      |      |      |        |                         |  |  |  |                     |  |  |  |                     |  |  |  |                |  |  |  |               |  |  |  |
| NAME                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | ISS. | DATE         | C/NOTE |                   |  |   |  |              |  |                        |  |                      |  |     |    |          |       |      |      |      |        |                         |  |  |  |                     |  |  |  |                     |  |  |  |                |  |  |  |               |  |  |  |
| APPROVED: W. J. PRESTON                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |              |        |                   |  |   |  |              |  |                        |  |                      |  |     |    |          |       |      |      |      |        |                         |  |  |  |                     |  |  |  |                     |  |  |  |                |  |  |  |               |  |  |  |
| CHECKED: M. PLESTED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |              |        |                   |  |   |  |              |  |                        |  |                      |  |     |    |          |       |      |      |      |        |                         |  |  |  |                     |  |  |  |                     |  |  |  |                |  |  |  |               |  |  |  |
| DRAWN: P. ALEXANDER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |              |        |                   |  |   |  |              |  |                        |  |                      |  |     |    |          |       |      |      |      |        |                         |  |  |  |                     |  |  |  |                     |  |  |  |                |  |  |  |               |  |  |  |
| CUSTOMER REF.:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |              |        |                   |  |   |  |              |  |                        |  |                      |  |     |    |          |       |      |      |      |        |                         |  |  |  |                     |  |  |  |                     |  |  |  |                |  |  |  |               |  |  |  |
| ASSEMBLY DRG:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |              |        |                   |  |   |  |              |  |                        |  |                      |  |     |    |          |       |      |      |      |        |                         |  |  |  |                     |  |  |  |                     |  |  |  |                |  |  |  |               |  |  |  |

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| TITLE: 2.54mm PITCH DIL<br>VERTICAL PC TAIL PIN HEADER                                                                                                                                                             |  | SHT<br>2 OF<br>2                                                                                                                                                                                                                                                                                          |  |
| DRAWING NUMBER: <b>M20-998XXXX</b>                                                                                                                                                                                 |  |                                                                                                                                                                                                                                                                                                           |  |
| MATERIAL: SEE ABOVE                                                                                                                                                                                                |  | mm <sup>2</sup>                                                                                                                                                                                                                                                                                           |  |
| FINISH: SEE ABOVE                                                                                                                                                                                                  |  |                                                                                                                                                                                                                                                                                                           |  |
| S/AREA: mm <sup>2</sup>                                                                                                                                                                                            |  |                                                                                                                                                                                                                                                                                                           |  |
| TOLERANCES<br><del>X.X = <math>\pm 0.1\text{mm}</math></del><br><del>X.XX = <math>\pm 0.05\text{mm}</math></del><br><del>X.XXX = <math>\pm 0.01\text{mm}</math></del><br>ANGLES = $\pm 5^{\circ}$<br>UNLESS STATED |  | THIS DRAWING AND ANY<br>INFORMATION OR DESCRIPTIVE<br>MATTER SET OUT HEREON ARE<br>CONFIDENTIAL AND COPYRIGHT<br>PROPERTY OF THE HARWIN<br>GROUP AND MUST NOT BE<br>DISCLOSED, LOANED, COPIED<br>OR USED FOR MANUFACTURING,<br>TENDERING OR FOR ANY<br>OTHER PURPOSE WITHOUT<br>THEIR WRITTEN PERMISSION. |  |
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