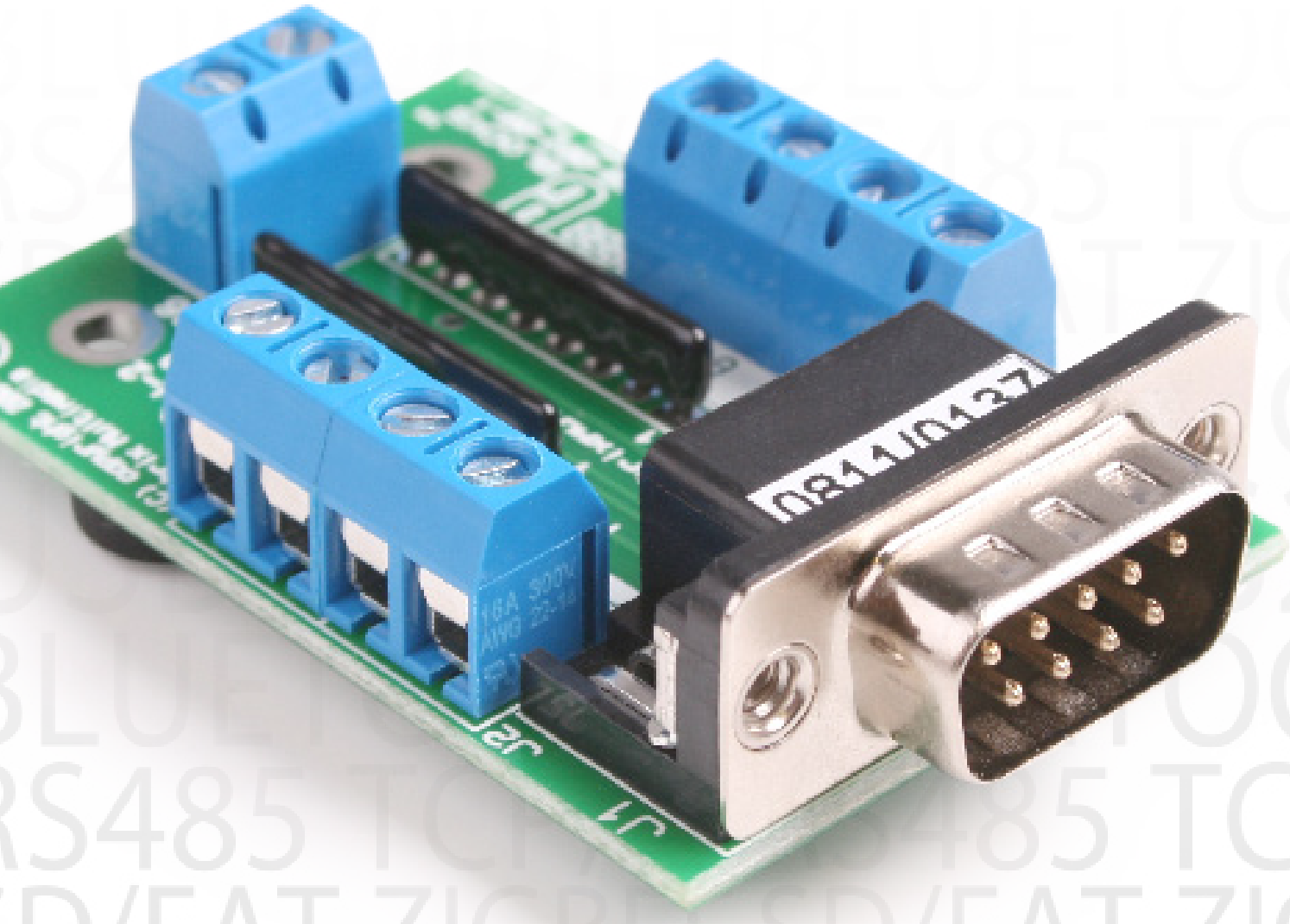
MATRIX

eBLOCKS®

Terminal board



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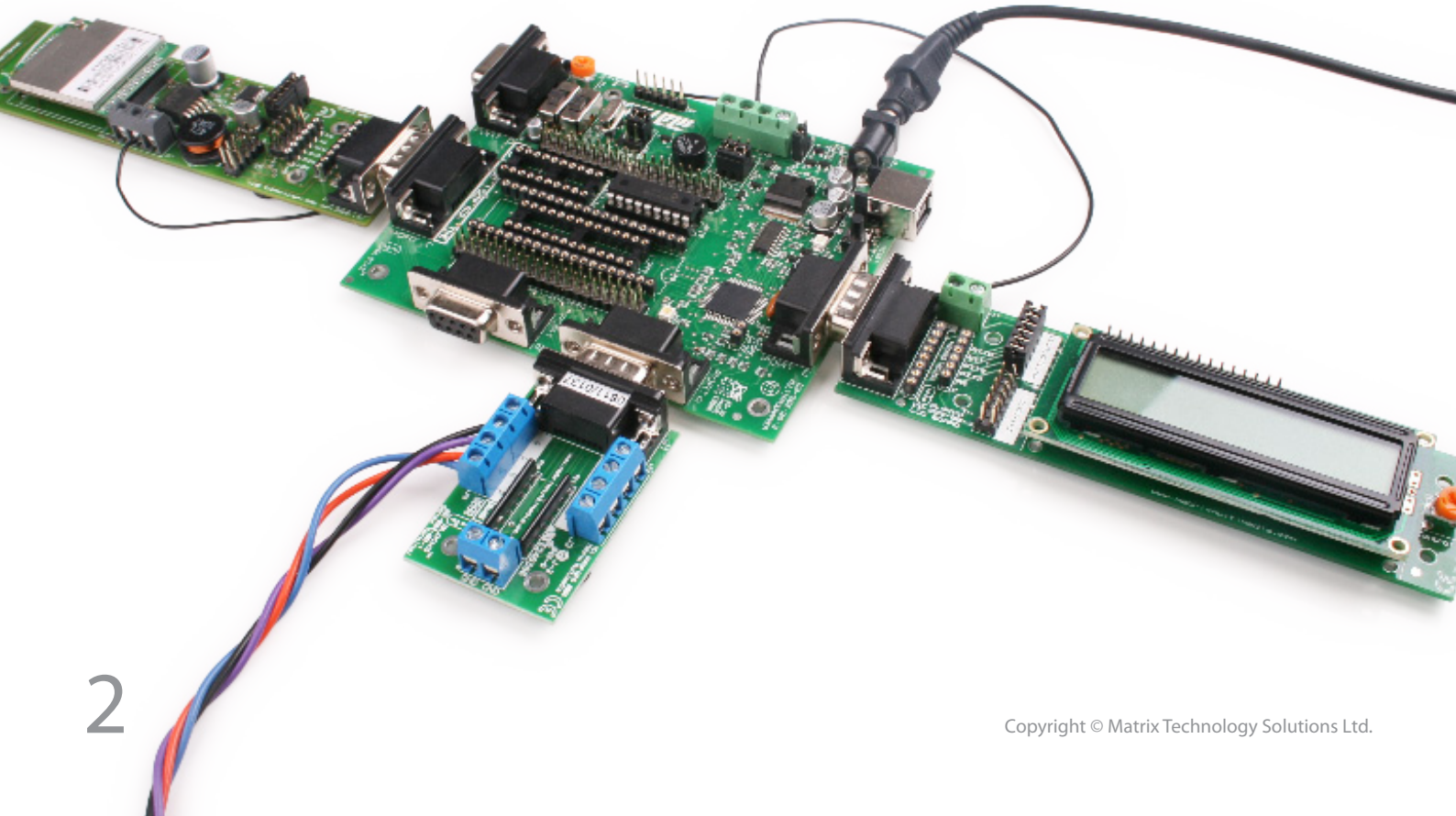

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About this document

This document concerns the EB002 E-blocks terminal board.

1. Trademarks and copyright

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2. Disclaimer

The information provided within this document is correct at the time of going to press. Matrix TSL reserves the right to change specifications from time to time.

3. Testing this product

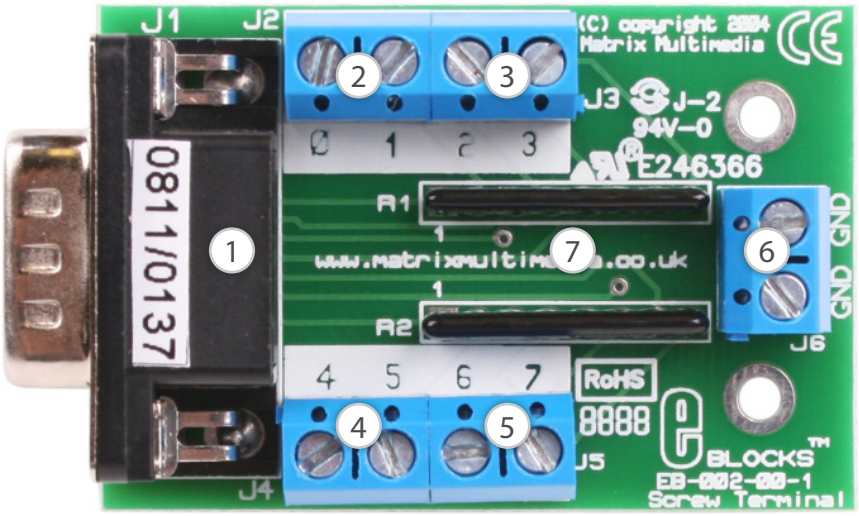
It is advisable to test the product upon receiving it to ensure it works correctly. Matrix provides test procedures for all E-blocks, which can be found in the Support section of the website.

4. Product support

If you require support for this product then please visit the Matrix website, which contains many learning resources for the E-blocks series. On our website you will find:

- How to get started with E-blocks - if you are new to E-blocks and wish to learn how to use them from the beginning there are resources available to help.
- Relevant software and hardware that allow you to use your E-blocks product better.
- Example files and programs.
- Ways to get technical support for your product, either via the forums or by contacting us directly.

Board layout



1. 9-way D-type plug
2. J2 screw terminal for bits 0 & 1
3. J3 screw terminal for bits 2 & 3
4. J4 screw terminal for bits 4 & 5
5. J5 screw terminal for bits 6 & 7
6. J6 screw terminal for GND
7. Series 220 ohm safety resistors

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General information

This small circuit board allows you to safely access (via screw terminals) any of the 8 I/O lines and the ground signal. This adds greater flexibility to your E-blocks project, meaning non-standard E-blocks designs can be used with the E-blocks range, allow the user to develop more innovative projects.

1. Features
- E-blocks compatible
- Allows external devices to be used with E-blocks
- 3.3 voltage compatible

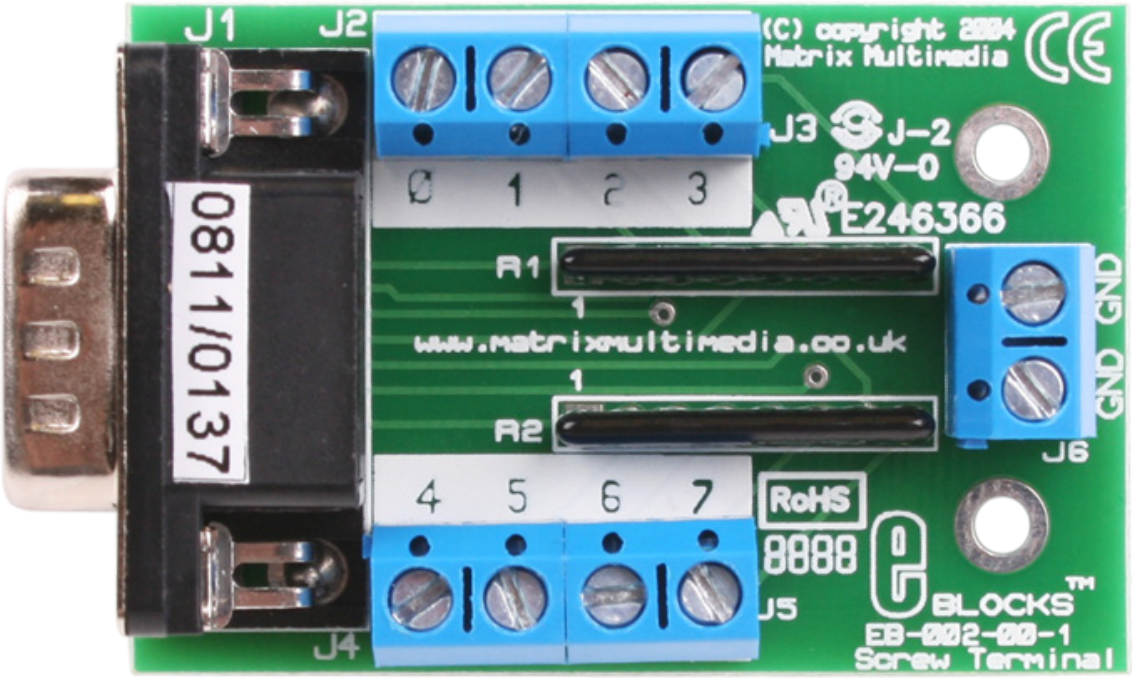
Circuit description

The EB002 terminal board circuit can be observed on page 5.

The screw terminal board (EB002) allows the user to add external devices to make them E-blocks compatible. This is achieved by allowing access to all the I/O lines available on the port that the screw terminal is connected to. The board converts the standard 9-way D-type connector used with E-blocks to a set of screw terminals. The screw terminals give access to all 8 I/O lines and the ground signal of the upstream (multiprogrammer, AVR board, CPLD board etc.) port. Small value resistors are used in series to protect the upstream device.

1. 3.3V operation

This board is compatible with 3.3V systems.



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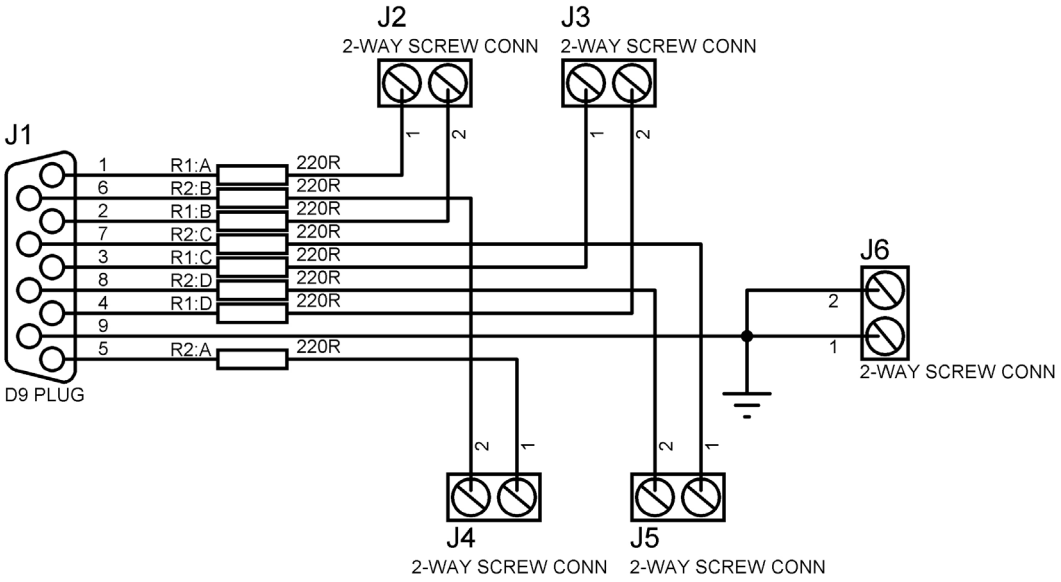
Circuit diagram

THIS SYSTEM INCLUDES:-

- F1 FEET
- F2 FEET
- F3 FEET
- BAG
- L1 LABEL



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EB002-30-2