

EB-015-00-1 RS232 Board Document

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Summary – RS232 Board

Description

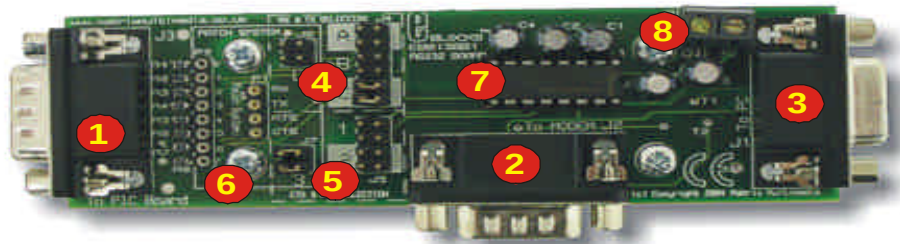
This E-block provides an RS232 interface which can be used to facilitate communication between PICmicro microcontroller and third party devices like PC serial ports, mobile communications systems etc. Flowcode macros for driving this E-block are available.

A set of jumper links are available which allow the RS232 E-blocks to easily be set for all PICmicro® microcontroller USART ports. Flowcode macros that make this device easier to use are available.

Features

- RS232 communications between processors and a PC
- RS232 communications between processors and a modem
- Hardware flow control can be enabled as an option
- Flowcode macros available

RS232 Board Layout



- 1) 9-way downstream D-type connector
- 2) RS232 interface for third party devices
- 3) PC interface
- 4) RX and TX mode selection jumper pins
- 5) CTS and RTS mode selection jumper pins
- 6) Patch system
- 7) MAX232 device
- 8) Screw terminal

General Guide for TX and RX settings

Jumper at A	Jumper at B	Jumper at C		Jumper at D
PIC16F88 PIC16F87	PIC16F627(A) PIC16F628(A) PIC16F648A	PIC16F7x PIC16F7x7 PIC16F87x PIC16F87xA	PIC16C6x PIC16CC7x	Patch System

General Guide for CTS and RTS settings

Jumper Settings	Description
1	Hardware Flow Control (RX = bit 4, TX = bit 0)
2	No flow control
3	Hardware flow control (Patch)

For more information on see Section 4 – Circuit Description on the Datasheet for this product.

Important: Please note that the mode selection jumpers are orientated in the correct way – i.e. with the metal connect strips HORIZONTAL as shown in the picture above.

Where to find more information

On the ELSAM 1.4 CD, which is provided with all 'upstream' devices (i.e. Multiprogrammer), is the relevant information for the product. It is in the E-Blocks directory, which includes the following documents: -

- o Installation guide.doc
- o Getting started with E-Blocks.pdf
- o RS232 Board folder – which contains datasheet and test program

For full up-to-date datasheets, documentation, F.A.Q.s and software updates please visit

www.matrixmultimedia.com/eblocks

Using the following user name and password

User name: eblocks

Password: halifax

You will now have access to up-to-date information that you require.