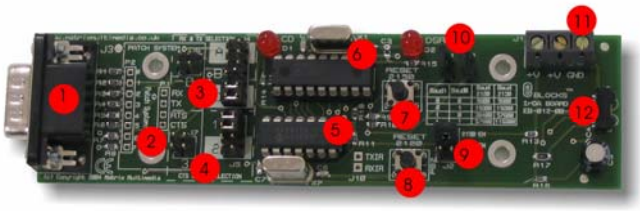
E-blocks™ Infrared and IrDA board

Facilitates flexible infrared communications

EB012

- Flexible infrared development board
- Allows low level IR communication
- On-board IrDA devices
- User selectable baud rates
- Flowcode macro available



The E-block board is designed to provide a complete solution to infrared communications. At a low level the infrared transmitter/receiver diodes can be accessed directly: this allows simple television type remote control functionality to be implemented. An on-board infrared encoder/decoder chip and IrDA stack allow users to take advantage of the well established infrared protocols to form stand-alone communication systems, to communicate with lap tops, mobile phones or PDAs.

The board is designed with maximum flexibility for various different types of infrared communications in mind. The board includes status LEDs, user selectable baud rates, and on-board reset switches. Use of this board at IRDA level is supported by Flowcode. On-board links select which pins on the D-type connector (and hence on the host microcontroller) are used, and the board is compatible with a wide range of microcontrollers.

1. 9-way downstream D-type connector
2. Patch system
3. RX & TX mode selection jumper pins
4. CTS & RTS mode selection jumper pins
5. MCP2120 – infrared encoder/decoder
6. MCP2150 – IrDA protocol stack
7. Reset for MCP2150
8. Reset for MCP2120
9. MCP device enable jumper
10. Baud rate selection jumpers
11. Screw terminals
12. TFDU4100 serial infrared transceiver
13. Carrier Detect LED
14. DSR LED

This board is part of the E-blocks ™ family of products:

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