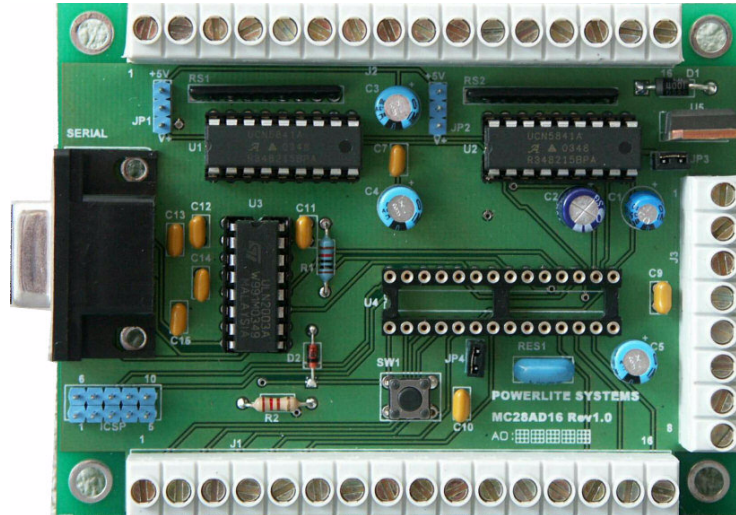


# PICBLOCK MC28AD-16

Unlike other products on the market, **PicBlocks** are high quality pre-assembled pcbs. Ideal for development of software, they are also designed to be included in systems as a finished product. With on-board power supply, versatile I/O capabilities and quality connectors, they are ideal compact replacements for PLCs in process control situations.



The **MC28AD-16** is the latest addition to the PicBlock range and gives the user an unprecedented 32 I/O from a 28 pin pic chip. By utilising a pair of UCN5841 8-bit serial input latched drivers, 16 digital 500mA\* open collector outputs are provided on J2 using only 4 of the pic chips I/O lines. Optional SIL resistor arrays can be added as pull-ups. Jumpers\*\* allow these to be connected to either the on-board +5V or the pre-regulated applied voltage.

PortA\*\*\*, PortB and RCO, RC1 and RC2 are all available directly on J1.

An In Circuit Serial Programming header is provided as is a 9-way RS232 connector for either serial comms or bootloading. An incoming reset line is included on the RS232 connector as is an on-board reset button.

The board includes a 7805 regulator and can be powered by up to 24V DC. The on-board 5V is available on J3 for powering external circuits. If preferred, an on-board link can be removed and the board powered by an existing external regulated 5V DC.

\* See Allegro UCN5841 datasheet available from our website

\*\* Each UCN5841 pull-up selection is independent

\*\*\* Except PortA.4

O/C output current sink max	500 ma
DC supply voltage range	9-24 or 5V DC regulated
On board resonator	4MHz
Dimensions	102x76x23 high
Mounting	4*4mms holes

Specifications are liable to change

**POWERLITE SYSTEMS**

11 Cowick Road Exeter EX2 9BE  
Tel: 01392 438199 Fax: 01392 411654 Email: sales@plite.co.uk Web: www.plite.co.uk