ATMEGA128 DEVELOPMENT BOARD / Part number JMS2206

This board is designed around the ATMEL ATMEGA128, running via a 4MHz crystal. All connections have been brought out to 8 way connectors. A 10 way IDC is included to directly interface to a JTAG emulator/programmer (not supplied). Power is via an external DC power supply (not supplied). The board has an integral 5-volt linear regulator, with LED DC on indicator.

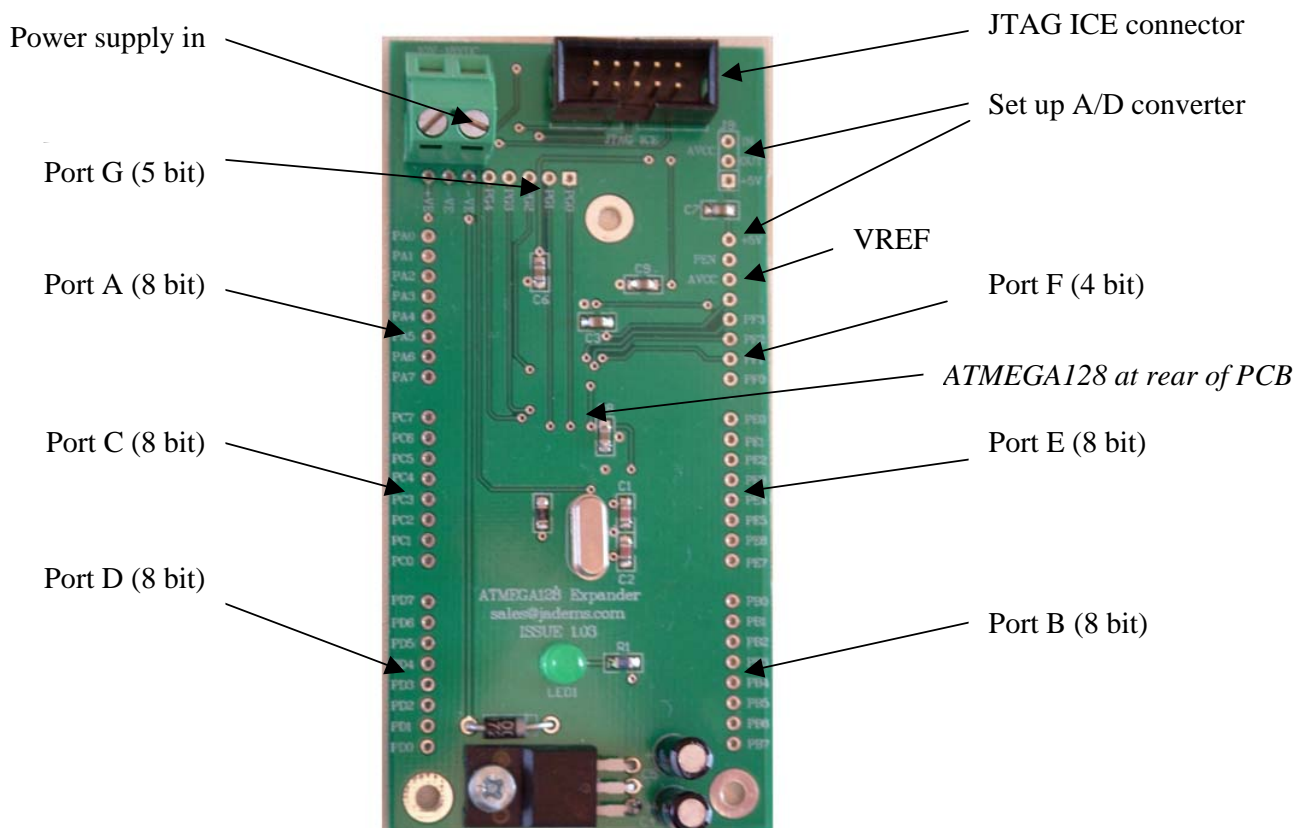It is so simple just plug and go.

The ATMEGA128 has the following features: -
- 128Kbyte of programme flash, 4Kbyte EEPROM.
- Onboard oscillator, however there is a 4MHz crystal supplied.
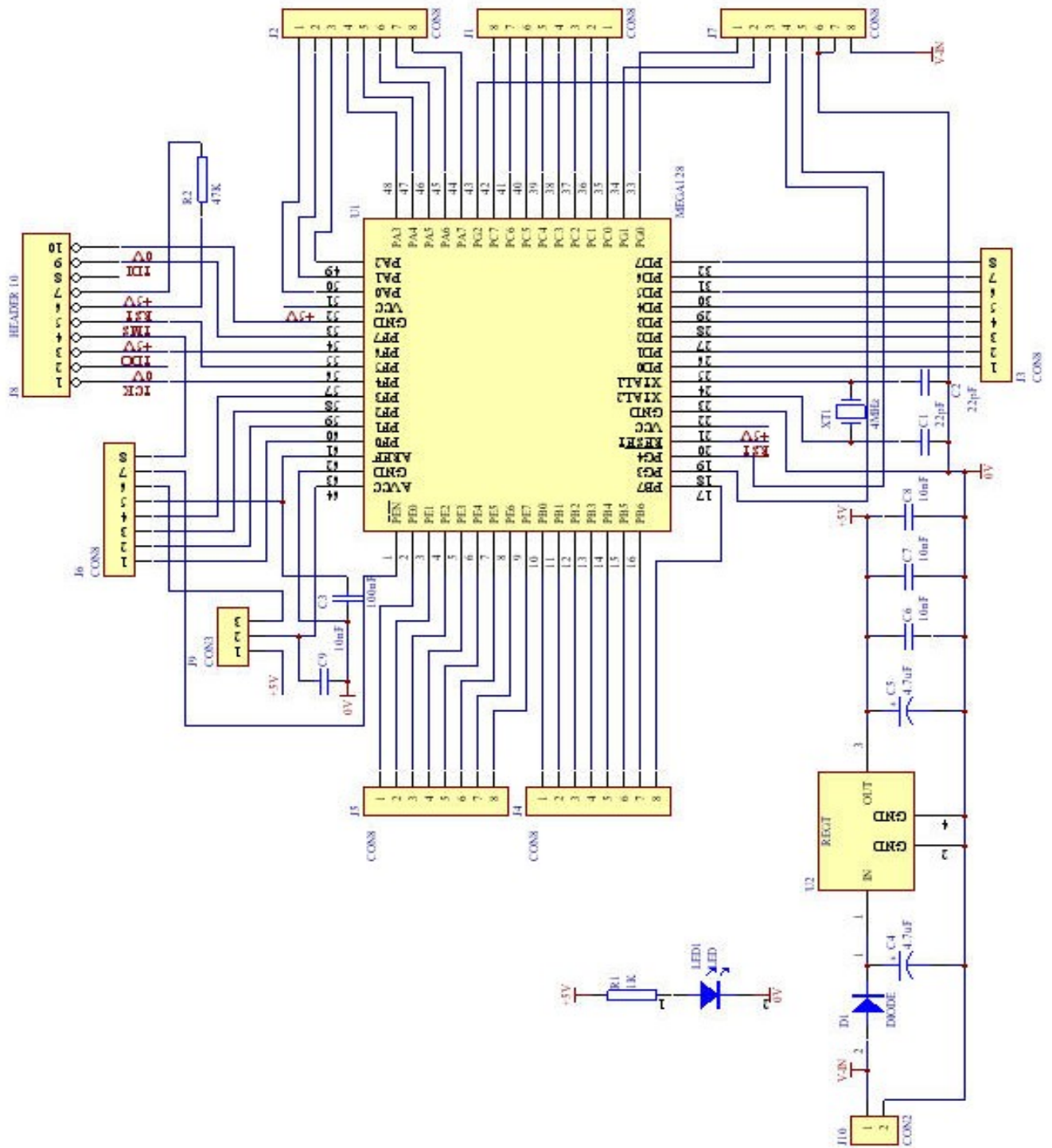- 5 off 8 bit input/output ports, 1 off 5 bit port, 1 off 4 bit port.

Some of the above ports incorporate the following features: -
- 2 Serial UARTS.
- 1 SPI port.
- 2 PWM channels.
- 8 off 10 bit A/D converter.
- 1 off comparator.
- Up to eight external interrupts

For more details see www.atmel.com.

Power supply in

JTAG ICE connector

Set up A/D converter

Port G (5 bit)

VREF

Port A (8 bit)

Port F (4 bit)

ATMEGA128 at rear of PCB

Port C (8 bit)

Port E (8 bit)

Port D (8 bit)

Port B (8 bit)
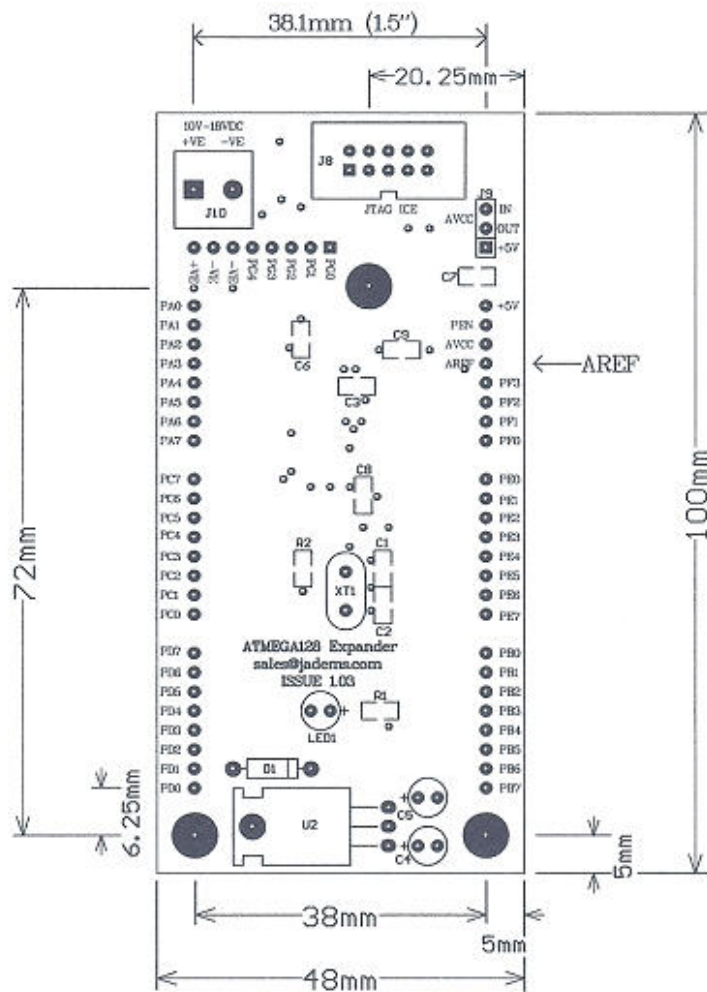
Jade Microsystems Ltd, 6 Hughenden Ave, Kenton, Middx HA3 8HA.
E-mail: sales@jadems.com   Tel: 020 8621 8610   Fax: 020 8930 6905

Connection holes are all 0.1″ apart

2.54mm

Regulator is 5 volts
Crystal is 4MHz

38.1mm (1.5″)

20.25mm

10V-18VDC
+VE -VE

J8

J10   JTAG ICE   AVCC

J9
IN
OUT
+5V

PA0   +5V
PA1   PEN
PA2   AVCC
PA3   AREF ◄── AREF
PA4   PF3
PA5   PF2
PA6   PF1
PA7   PF0

PC7   PE0
PC6   PE1
PC5   PE2
PC4   PE3
PC3   PE4
PC2   PE5
PC1   PE6
PC0   PE7

PD7   PB0
PD6   PB1
PD5   PB2
PD4   PB3
PD3   PB4
PD2   PB5
PD1   PB6
PD0   PB7

ATMEGA128 Expander
sales@jadems.com
ISSUE 1.03

LED1

C6
C9
C3
C8
R2 C1
XT1
C2

R1

D1

U2   C5
C4

72mm
6.25mm
100mm
5mm
5mm

38mm
48mm