



Port Usage:

- PB0 -> Memory bank selection (128k mode) VCC33
- PB1/SCK -> ENC28J60, pin 8 (SCK)
- PB2/MOSI -> ENC28J60, pin 7 (SI)
- PB3/MISO -> ENC28J60, pin 6 (SO)
- PB4 -> ENC28J60, pin 9 (/CS)
- PB5 -> LCD (E)
- PB6 -> LCD (R/W)
- PB7 -> LCD (RS)
- PD0/INT0 -> ENC28J60, pin 4 (/INT)
- PD1/INT1 -> ENC28J60, pin 5 (/WOL)
- PD2 -> ENC28J60, pin 10 (/RESET)
- PD3
- PD4
- PD5

External Power (JP2):

This one is used when the ethernet-part of the board is connected via header J5 and the host system uses 3.3V. The regulator should not be used in this case.

Memory options:

- 32k: Use U3 only
- 64k: Use U3 and U4 OR U7 (only lower half will be used, don't short JP1)
- 2 x 64k: Use U7 only, short JP1

Title		
ATmega128 board expansion		
Size	Number	Revision
A3		R1A
Date:	2/5/2008	Sheet of
File:	F:\Work\AddOn.SchDoc	Drawn By: