

Power configuration:

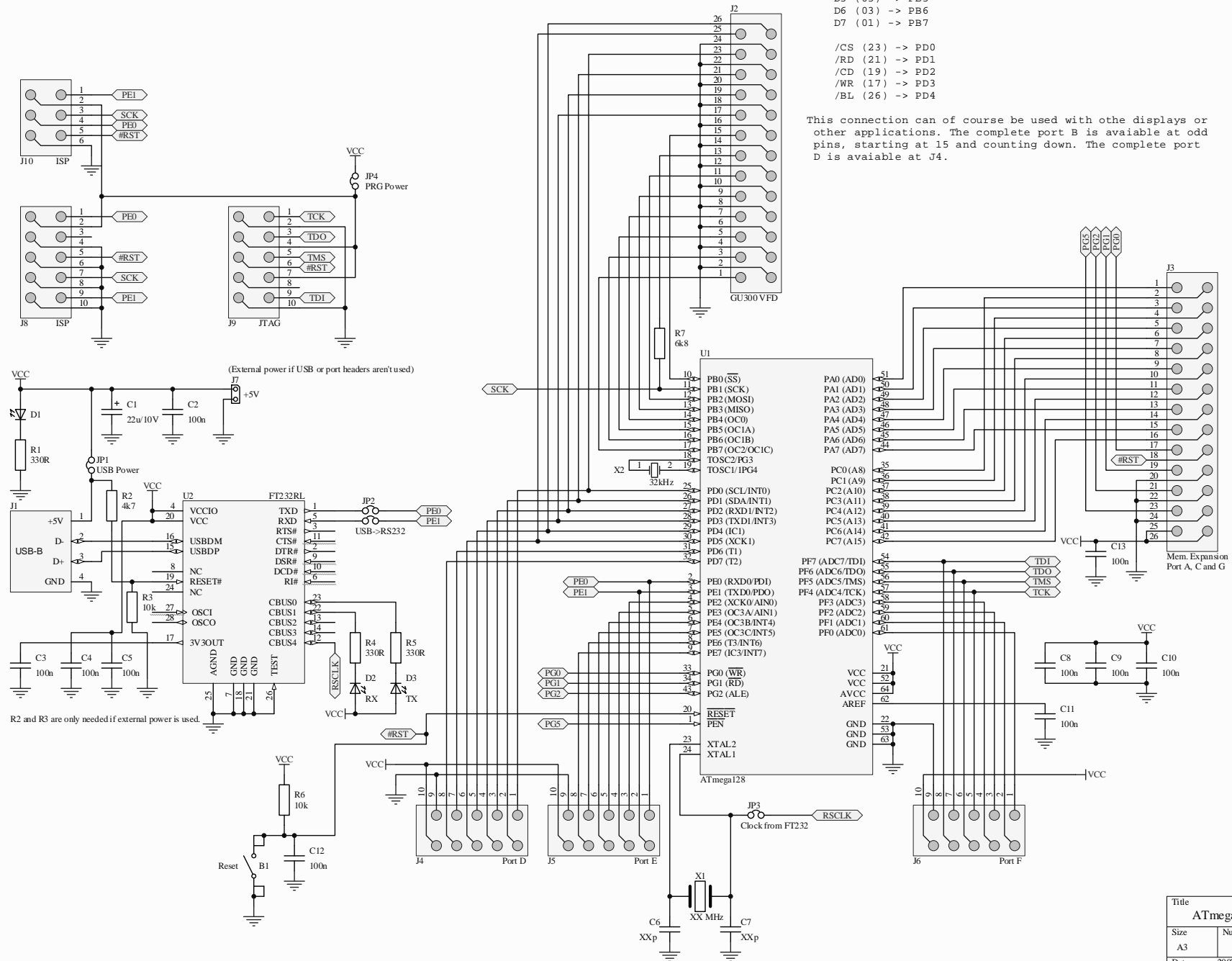
- * Power from USB: short JP1 and leave R2 and R3 out.
- * Power from external source (3,3 or 5 V): mount R2 and R3, leave JP1 open.
- * JTAG/ISP power: to power programming tools from the board, short JP4.
- If power is taken from the programming tool, short JP4 and leave JP1 open.
- Don't connect any power via J7 or any of the port connectors!

GU256x128-300 connection

- D0 (15) -> PB0
- D1 (13) -> PB1
- D2 (11) -> PB2
- D3 (09) -> PB3
- D4 (07) -> PB4
- D5 (05) -> PB5
- D6 (03) -> PB6
- D7 (01) -> PB7

- /CS (23) -> PD0
- /RD (21) -> PD1
- /CD (19) -> PD2
- /WR (17) -> PD3
- /BL (26) -> PD4

This connection can of course be used with other displays or other applications. The complete port B is available at odd pins, starting at 15 and counting down. The complete port D is available at J4.



Title			
ATmega128 display controller/CPU module			
Size	Number	Illuwater Design	Revision
A3		Peter Czidlina	R2A
Date:	2007-09-27	Sheet of	
File:	F:\Electronic\...\Controller.SchDoc	Drawn By:	