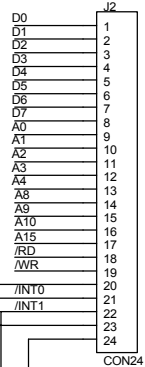
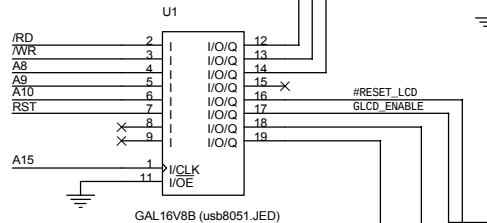


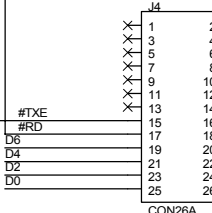
24-pin 8051SBC's
expansion I/O
connector



expansion i/o
decoder

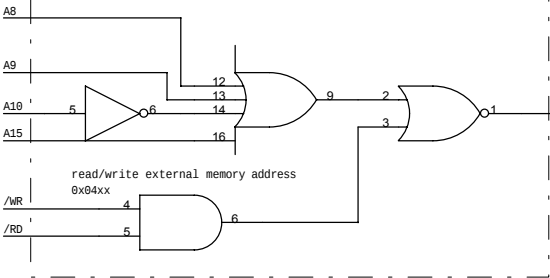
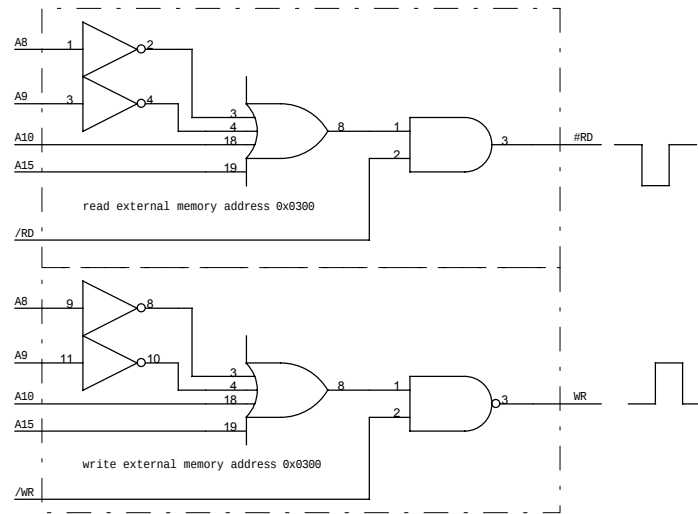


GAL16V8B (usb8051.JED)

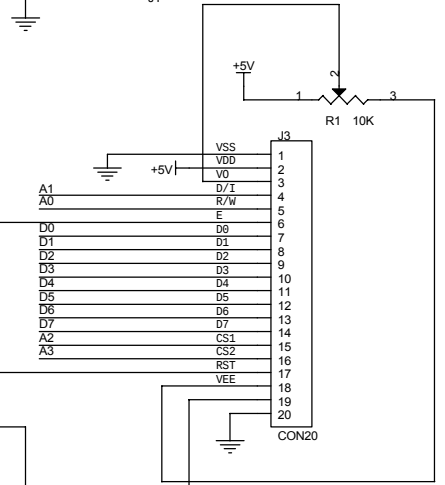


26-pin connector Astron Logic USB module Ezy USB-M01(FT245BM)

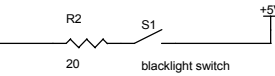
www.astronlogic.com



more 12 locations for I/O
expansion!



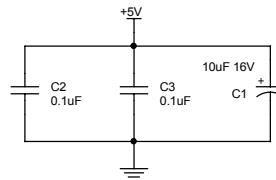
GLCD with Samsung KS0108 or
Hitachi HD61202 driver



memory mapped I/O
using external
data memory

0x0000	lcd command write
0x0001	lcd data write
0x0002	lcd command read
0x0003	lcd data read
0x0100	GPI01
0x0200	GPI02
0x0300	USB PORT read/write
0x03FF	GLCD
0x0400	expansion i/o
0x04FF	
0x0500	
0x07FF	

0x0404	write command 1
0x0405	read command 1
0x0406	write data 1
0x0407	read data 1
0x0408	write command 2
0x0409	read command 2
0x040A	write data 2
0x040B	read data 2



Designed by Wichit Sirichote, kswichit@kmitl.ac.th

Title USB & GLCD expansion board for 8051SBC		
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