SWITCHES FOR INTERUPT

+5V R4 10k INT0 1 SW3 2 GND
SPST
R3 10k 1 SW2 2
SPST
INT1

POWER_SUPPLY

POWER P1 1 +5V
2 GND

RESET CIRCUIT

SW1 1 +5V
RESET 10K R1
2 RST
RST
10uf.25V C1
GND

CONTROLLER

IC1

Pin	Left	Right	Pin	
1	(T0/XCK)PB0	(ADC0)PA0	40	RS
2	(T1)PB1	(ADC1)PA1	39	R/W
3	(AIN0/INT2)PB2	(ADC2)PA2	38	E
4	(AIN1/OC0)PB3	(ADC3)PA3	37	
5	(SS)PB4	(ADC4)PA4	36	D4
6	(MOSI)PB5	(ADC5)PA5	35	D5
7	(MISO)PB6	(ADC6)PA6	34	D6
8	(SCK)PB7	(ADC7)PA7	33	D7
14	(RXD)PD0	(SCL)PC0	22	
15	(TXD)PD1	(SDA)PC1	23	
16	(INT0)PD2	(TCK)PC2	24	
17	(INT1)PD3	(TMS)PC3	25	
18	(OC1B)PD4	(TDO)PC4	26	
19	(OC1A)PD5	(TDI)PC5	27	
20	(ICP)PD6	(TOSC1)PC6	28	
21	(OC2)PD7	(TOSC2)PC7	29	

INT0
INT1

DIL40

RST 9 RESET XTAL1 13
+5V 10 VCC XTAL2 12
30 AVCC GND 11 GND
10uf.25V 32 AREF AGND 31
C4
GND

EE_ATMEGA32

CRYSTAL

X1
16Mhz
C2 GND C3
22pF 22pF

LCD

LCD_2X16_SIL

LCD 2x16 (LED backlight)

LCD1

VSS VCC VO RS R/W E DB0 DB1 DB2 DB3 DB4 DB5 DB6 DB7 LEDA LEDK
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

+5V 3 GND +5V RS R/W E D4 D5 D6 D7 +5V 1k R2
POT 2
RV1 1
GND