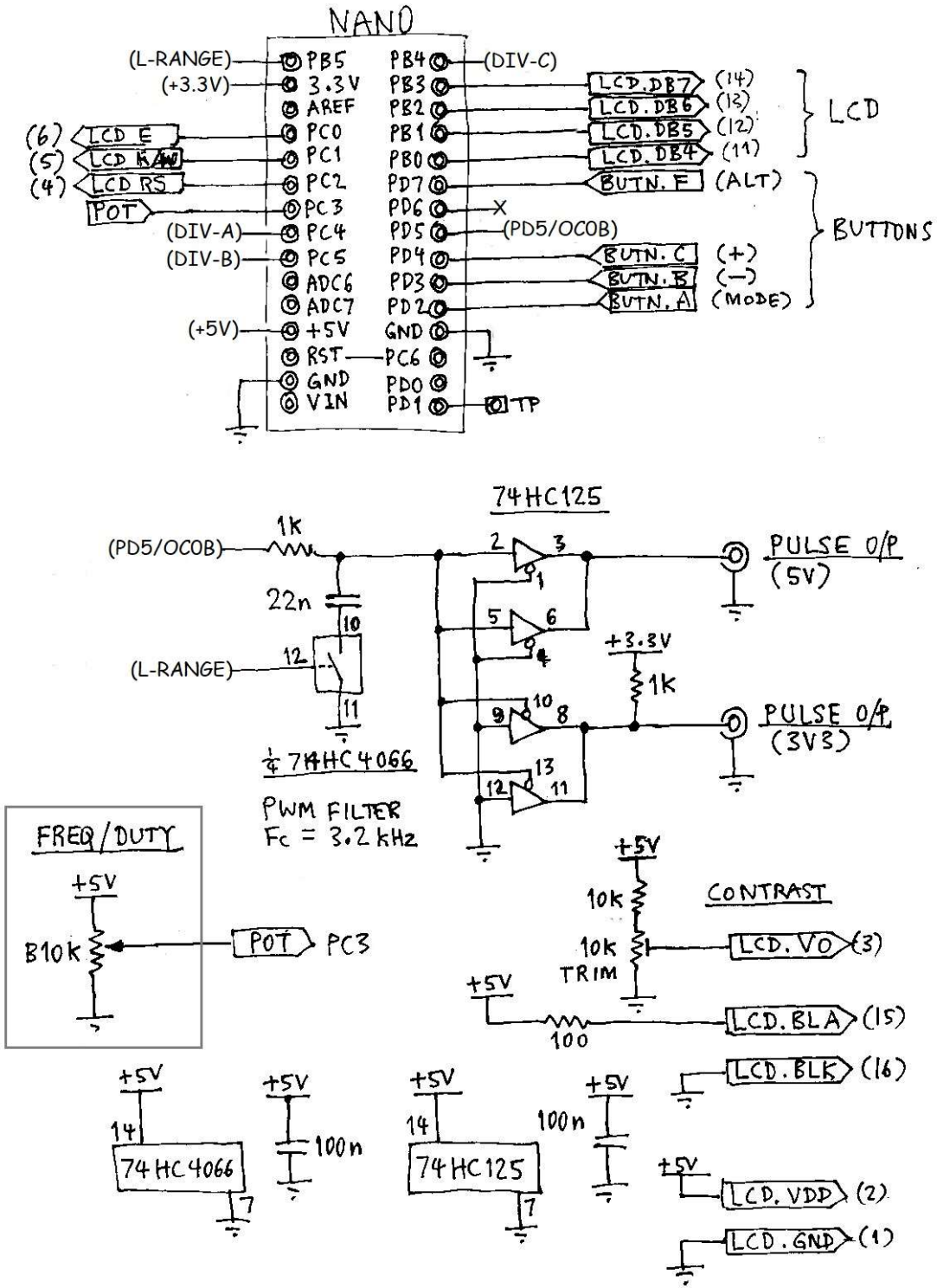
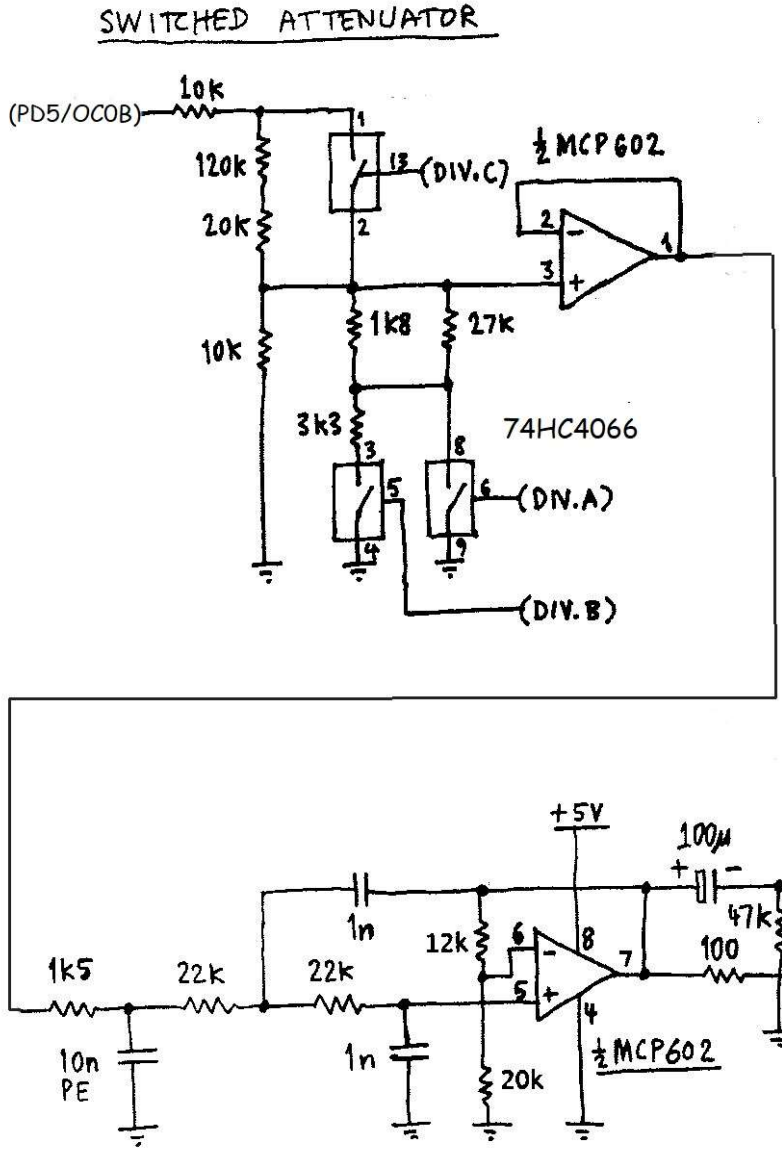

NANO
(L-RANGE)
(+3.3V)
(6) LCD E
(5) LCD R/W
(4) LCD RS
POT
(DIV-A)
(DIV-B)
(+5V)
PB5
3.3V
AREF
PC0
PC1
PC2
PC3
PC4
PC5
ADC6
ADC7
+5V
RST
GND
VIN
PB4
PB3
PB2
PB1
PB0
PD7
PD6
PD5
PD4
PD3
PD2
GND
PC6
PD0
PD1
(DIV-C)
LCD.DB7 (14)
LCD.DB6 (13)
LCD.DB5 (12)
LCD.DB4 (11)
LCD
BUTN.F (ALT)
X
(PD5/OC0B)
BUTN.C (+)
BUTN.B (−)
BUTN.A (MODE)
BUTTONS
TP
74HC125
(PD5/OC0B)
1k
22n
(L-RANGE)
¼ 74HC4066
PWM FILTER
Fc = 3.2 kHz
PULSE O/P (5V)
+3.3V
1k
PULSE O/P (3V3)
FREQ/DUTY
+5V
B10k
POT
PC3
+5V
10k
10k TRIM
CONTRAST
LCD.VO (3)
+5V
100
LCD.BLA (15)
LCD.BLK (16)
+5V
14
74HC4066
7
+5V
100n
+5V
14
74HC125
7
100n
+5V
LCD.VDD (2)
LCD.GND (1)


SWITCHED ATTENUATOR
(PD5/OC0B)
10k
120k
20k
10k
½ MCP602
(DIV.C)
1k8
27k
3k3
74HC4066
(DIV.A)
(DIV.B)
+5V
100µ
WAVE OUT
AC
DC
1n
12k
47k
100
1k5
22k
22k
10n PE
1n
20k
½ MCP602
LOW-PASS FILTER, Fc = 8 kHz, AV = 1.6
−60 dB / decade