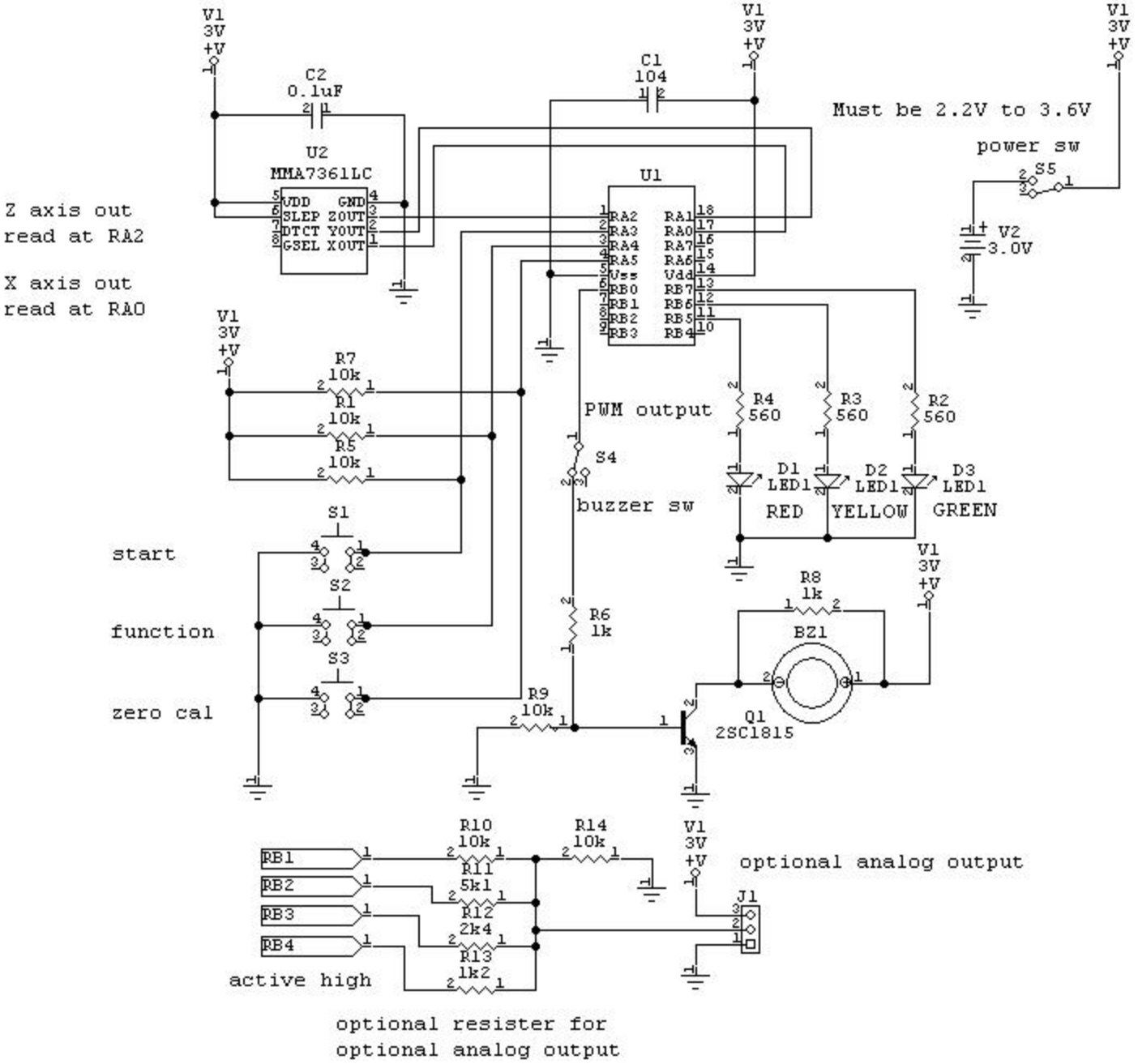
V1
3V
+V
C2
0.1uF
C1
104
U2
MMA7361LC
VDD GND
SLEP ZOUT
DTCT YOUT
GSEL XOUT
U1
RA2 RA1
RA3 RA0
RA4 RA7
RA5 RA6
Vss Vdd
RB0 RB7
RB1 RB6
RB2 RB5
RB3 RB4
Must be 2.2V to 3.6V
power sw
S5
V2
3.0V
Z axis out
read at RA2
X axis out
read at RA0
R7
10k
R1
10k
R5
10k
PWM output
R4
560
R3
560
R2
560
S4
buzzer sw
D1
LED1
RED
D2
LED1
YELLOW
D3
LED1
GREEN
S1
start
S2
function
S3
zero cal
R8
1k
BZ1
R6
1k
R9
10k
Q1
2SC1815
R10
10k
R14
10k
R11
5k1
R12
2k4
R13
1k2
RB1
RB2
RB3
RB4
active high
optional analog output
J1
optional resister for
optional analog output