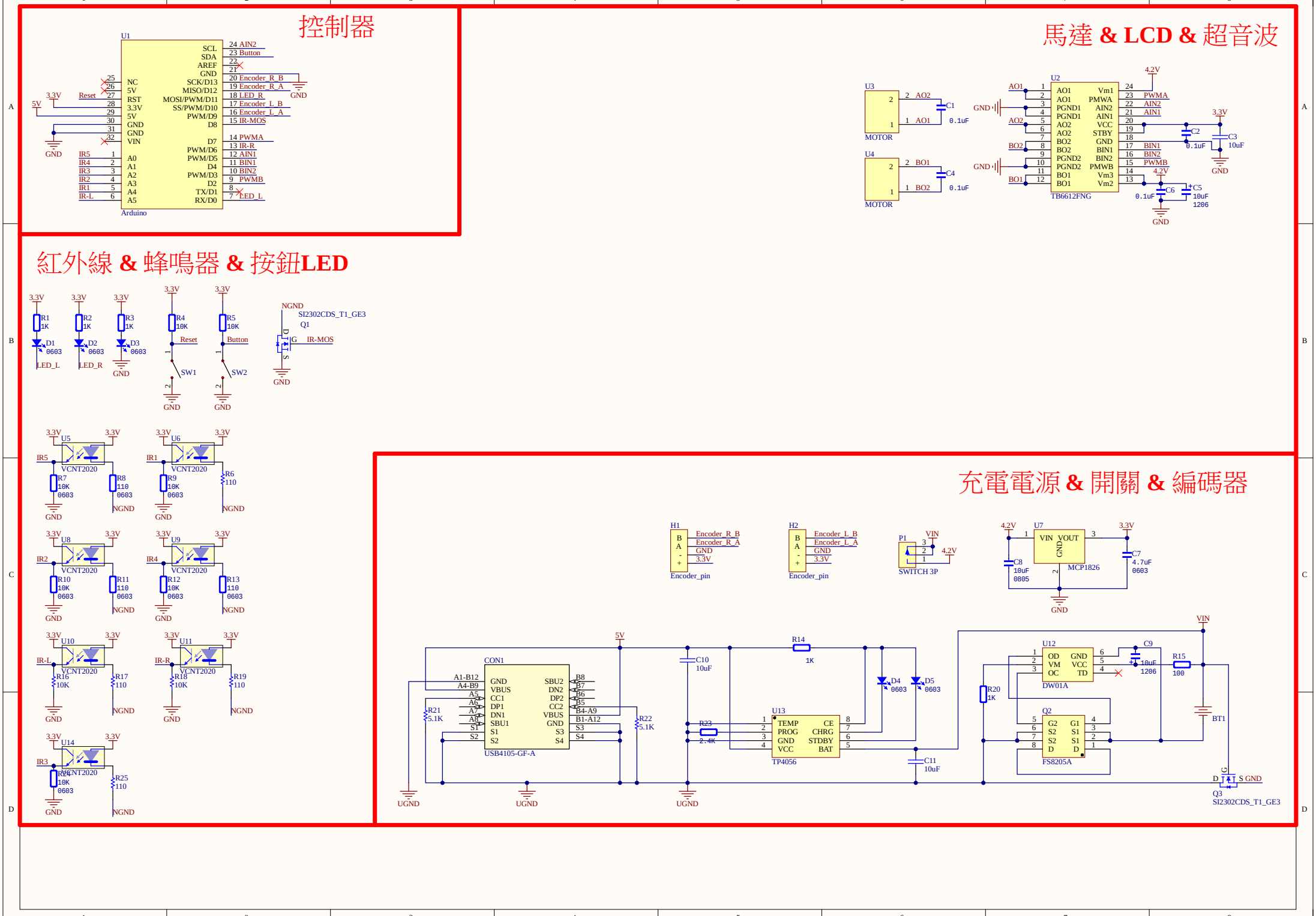
控制器
U1
Arduino
SCL
SDA
AREF
GND
SCK/D13
MISO/D12
MOSI/PWM/D11
SS/PWM/D10
PWM/D9
D8
D7
PWM/D6
PWM/D5
D4
PWM/D3
D2
TX/D1
RX/D0
NC
5V
RST
3.3V
5V
GND
GND
VIN
A0
A1
A2
A3
A4
A5
AIN2
Button
Encoder_R_B
Encoder_R_A
LED_R
Encoder_L_B
Encoder_L_A
IR-MOS
PWMA
IR-R
AIN1
BIN1
BIN2
PWMB
LED_L
IR5
IR4
IR3
IR2
IR1
IR-L
Reset
3.3V
5V
GND
馬達 & LCD & 超音波
U3
MOTOR
U4
MOTOR
AO2
AO1
BO1
BO2
C1
0.1uF
C4
0.1uF
U2
TB6612FNG
AO1
AO1
PGND1
PGND1
AO2
AO2
BO2
BO2
PGND2
PGND2
BO1
BO1
Vm1
PMWA
AIN2
AIN1
VCC
STBY
GND
BIN1
BIN2
PMWB
Vm3
Vm2
4.2V
3.3V
C2
0.1uF
C3
10uF
C6
0.1uF
C5
10uF
1206
紅外線 & 蜂鳴器 & 按鈕LED
R1
1K
R2
1K
R3
1K
D1
0603
D2
0603
D3
0603
LED_L
LED_R
R4
10K
R5
10K
Reset
Button
SW1
SW2
NGND
SI2302CDS_T1_GE3
Q1
IR-MOS
U5
U6
U8
U9
U10
U11
U14
VCNT2020
IR5
IR1
IR2
IR4
IR-L
IR-R
IR3
R7
10K
0603
R8
110
0603
R9
10K
0603
R6
110
R10
10K
0603
R11
110
0603
R12
10K
0603
R13
110
0603
R16
10K
R17
110
R18
10K
R19
110
R24
10K
0603
R25
110
NGND
充電電源 & 開關 & 編碼器
H1
Encoder_pin
H2
Encoder_pin
P1
SWITCH 3P
VIN
4.2V
U7
MCP1826
VIN
VOUT
GND
C8
10uF
0805
C7
4.7uF
0603
CON1
USB4105-GF-A
GND
VBUS
CC1
DP1
DN1
SBU1
S1
S2
SBU2
DN2
DP2
CC2
VBUS
GND
S3
S4
A1-B12
A4-B9
B8
B7
B6
B5
B4-A9
B1-A12
R21
5.1K
R22
5.1K
5V
C10
10uF
R14
1K
R23
2.4K
U13
TP4056
TEMP
PROG
GND
VCC
CE
CHRG
STDBY
BAT
D4
0603
D5
0603
C11
10uF
R20
1K
U12
DW01A
OD
VM
OC
GND
VCC
TD
C9
10uF
1206
R15
100
Q2
FS8205A
G2
S2
S2
D
G1
S1
S1
D
BT1
Q3
SI2302CDS_T1_GE3
UGND
UGND
UGND
UGND