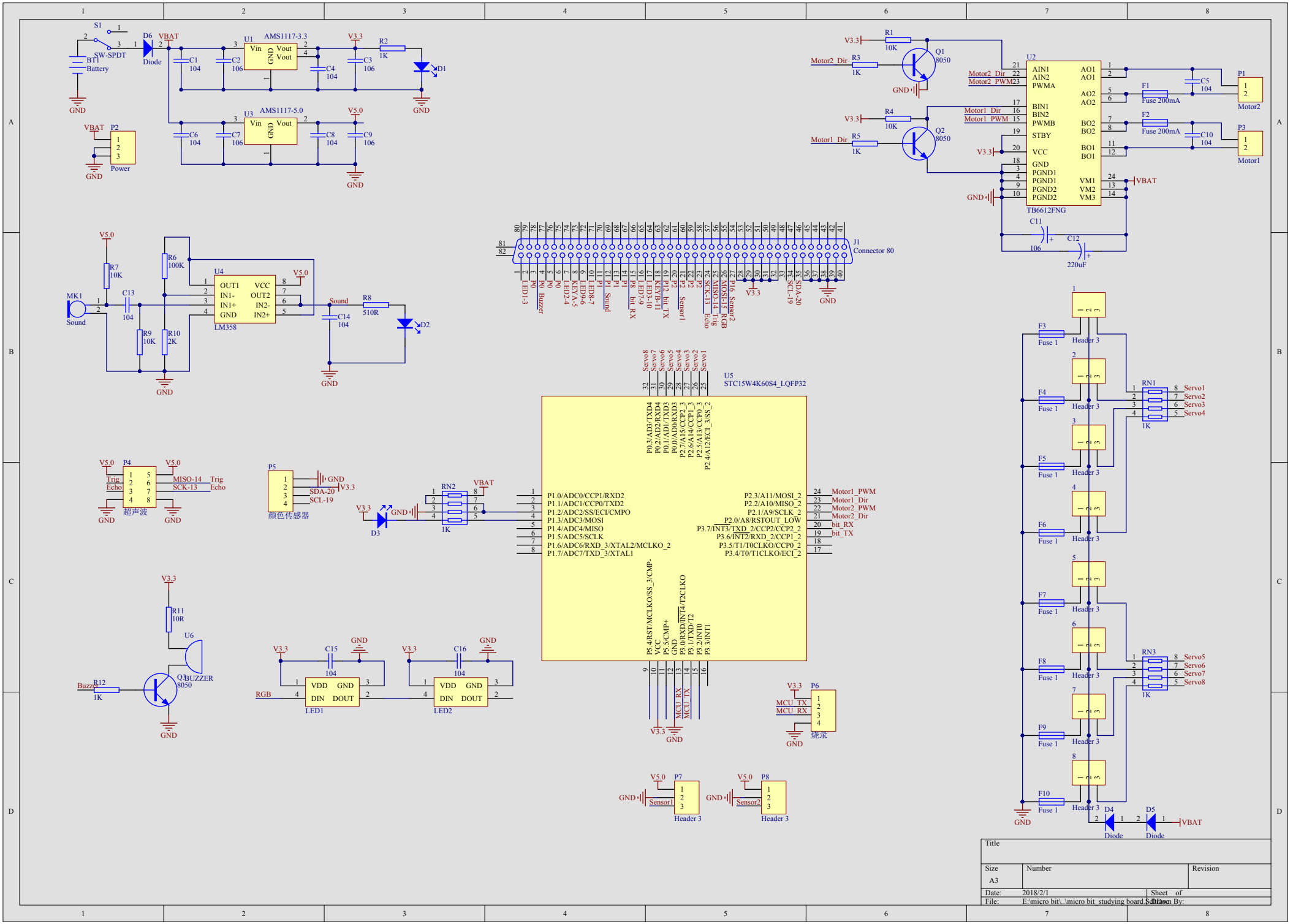
S1
SW-SPDT
BT1
Battery
D6
Diode
VBAT
U1
AMS1117-3.3
Vin
Vout
GND
C1 104
C2 106
C4 104
C3 106
V3.3
R2 1K
D1
U3
AMS1117-5.0
C6 104
C7 106
C8 104
C9 106
V5.0
P2
Power
R1 10K
R3 1K
Q1 8050
Motor2_Dir
R4 10K
R5 1K
Q2 8050
Motor1_Dir
U2
TB6612FNG
AIN1
AIN2
PWMA
BIN1
BIN2
PWMB
STBY
VCC
PGND1
PGND2
AO1
AO2
BO1
BO2
VM1
VM2
VM3
Motor2_PWM
Motor1_PWM
F1 Fuse 200mA
F2 Fuse 200mA
C5 104
C10 104
P1
P3
Motor2
Motor1
C11 106
C12 220uF
R7 10K
R6 100K
R9 10K
R10 2K
C13 104
MK1
Sound
U4
LM358
OUT1
IN1-
IN1+
GND
VCC
OUT2
IN2-
IN2+
R8 510R
C14 104
D2
J1
Connector 80
LED1-13
Buzzer
LED8-7
LED9-6
LED2-4
KEY-A-5
Sound
bit_RX
LED7-9
LED3-10
KEY-B-11
bit_TX
Sensor1
Sensor2
SCK-13
Echo
MISO-14
Trig
MOSI-15
SDA-20
SCL-19
U5
STC15W4K60S4_LQFP32
P0.3/AD3/TXD4
P0.2/AD2/RXD4
P0.1/AD1/TXD3
P0.0/AD0/RXD3
P2.7/A15/CCP2_3
P2.6/A14/CCP1_3
P2.5/A13/CCP0_3
P2.4/A12/ECI_3/SS_2
P1.0/ADC0/CCP1/RXD2
P1.1/ADC1/CCP0/TXD2
P1.2/ADC2/SS/ECI/CMPO
P1.3/ADC3/MOSI
P1.4/ADC4/MISO
P1.5/ADC5/SCLK
P1.6/ADC6/RXD_3/XTAL2/MCLKO_2
P1.7/ADC7/TXD_3/XTAL1
P2.3/A11/MOSI_2
P2.2/A10/MISO_2
P2.1/A9/SCLK_2
P2.0/A8/RSTOUT_LOW
P3.7/INT3/TXD_2/CCP2_2
P3.6/INT2/RXD_2/CCP1_2
P3.5/T1/T0CLKO/CCP0_2
P3.4/T0/T1CLKO/ECI_2
P5.4/RST/MCLKO/SS_3/CMP-
P5.5/CMP+
P3.0/RXD/INT4/T2CLKO
P3.1/TXD/T2
P3.2/INT0
P3.3/INT1
MCU_TX
MCU_RX
P4
超声波
P5
颜色传感器
SDA-20
SCL-19
RN2 1K
D3
R11 10R
U6
BUZZER
Q3 8050
R12 1K
Buzzer
C15 104
C16 104
LED1
LED2
RGB
VDD
DIN
DOUT
P6
烧录
P7
Header 3
P8
Header 3
Sensor1
Sensor2
F3 Fuse 1
F4 Fuse 1
F5 Fuse 1
F6 Fuse 1
F7 Fuse 1
F8 Fuse 1
F9 Fuse 1
F10 Fuse 1
RN1 1K
RN3 1K
Servo1
Servo2
Servo3
Servo4
Servo5
Servo6
Servo7
Servo8
D4 Diode
D5 Diode
Title
Size
A3
Number
Revision
Date: 2018/2/1
Sheet of
File: E:\micro bit\...\micro bit_studying board.SchDoc
Drawn By: