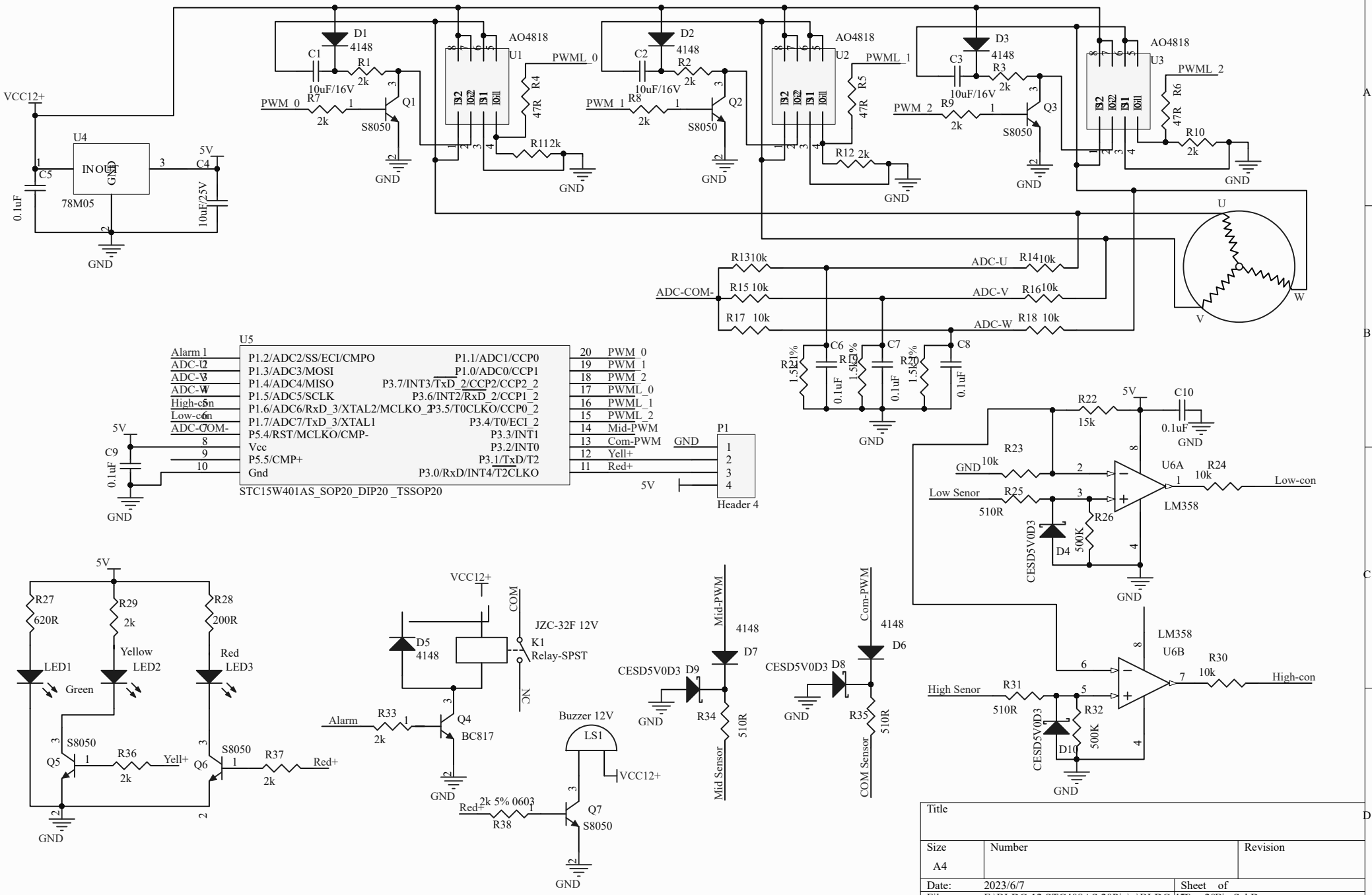
VCC12+
U4
78M05
INOUT
GND
5V
C5
0.1uF
C4
10uF/25V
D1
4148
C1
10uF/16V
R1
2k
PWM_0
R7
2k
Q1
S8050
AO4818
U1
PWML_0
R4
47R
R112k
D2
4148
C2
10uF/16V
R2
2k
PWM_1
R8
2k
Q2
S8050
AO4818
U2
PWML_1
R5
47R
R12 2k
D3
4148
C3
10uF/16V
R3
2k
PWM_2
R9
2k
Q3
S8050
AO4818
U3
PWML_2
R6
47R
R10
2k
GND
U
V
W
ADC-COM-
R1310k
R15 10k
R17 10k
ADC-U
R14 10k
ADC-V
R16 10k
ADC-W
R18 10k
U5
Alarm
ADC-U
ADC-V
ADC-W
High-con
Low-con
ADC-COM-
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
P5.4/RST/MCLKO/CMP-
Vcc
P5.5/CMP+
Gnd
P1.1/ADC1/CCP0
P1.0/ADC0/CCP1
P3.7/INT3/TxD_2/CCP2/CCP2_2
P3.6/INT2/RxD_2/CCP1_2
P3.5/T0CLKO/CCP0_2
P3.4/T0/ECI_2
P3.3/INT1
P3.2/INT0
P3.1/TxD/T2
P3.0/RxD/INT4/T2CLKO
STC15W401AS_SOP20_DIP20 _TSSOP20
PWM_0
PWM_1
PWM_2
PWML_0
PWML_1
PWML_2
Mid-PWM
Com-PWM
Yell+
Red+
C6
C7
C8
R21 1.5k1%
R19 1.5k1%
R20 1.5k1%
0.1uF
P1
Header 4
C9
R22
15k
C10
R23
10k
U6A
LM358
R24
10k
Low Senor
R25
510R
R26
500K
D4
CESD5V0D3
LM358
U6B
R30
10k
High Senor
R31
510R
R32
500K
D10
R27
620R
R29
2k
R28
200R
LED1
Green
Yellow
LED2
Red
LED3
Q5
S8050
R36
2k
Yell+
Q6
S8050
R37
2k
Red+
D5
4148
JZC-32F 12V
K1
Relay-SPST
COM
NC
Alarm
R33
2k
Q4
BC817
Buzzer 12V
LS1
Red+
2k 5% 0603
R38
Q7
S8050
D7
4148
D9
CESD5V0D3
R34
510R
Mid Sensor
D6
4148
D8
CESD5V0D3
R35
510R
COM Sensor
Title
Size
A4
Number
Revision
Date:
2023/6/7
Sheet of
File:
F:\BLDC-12 STC408AS 20Pin\..\BLDC-40Raw20Pin.SchDoc
Drawn By: