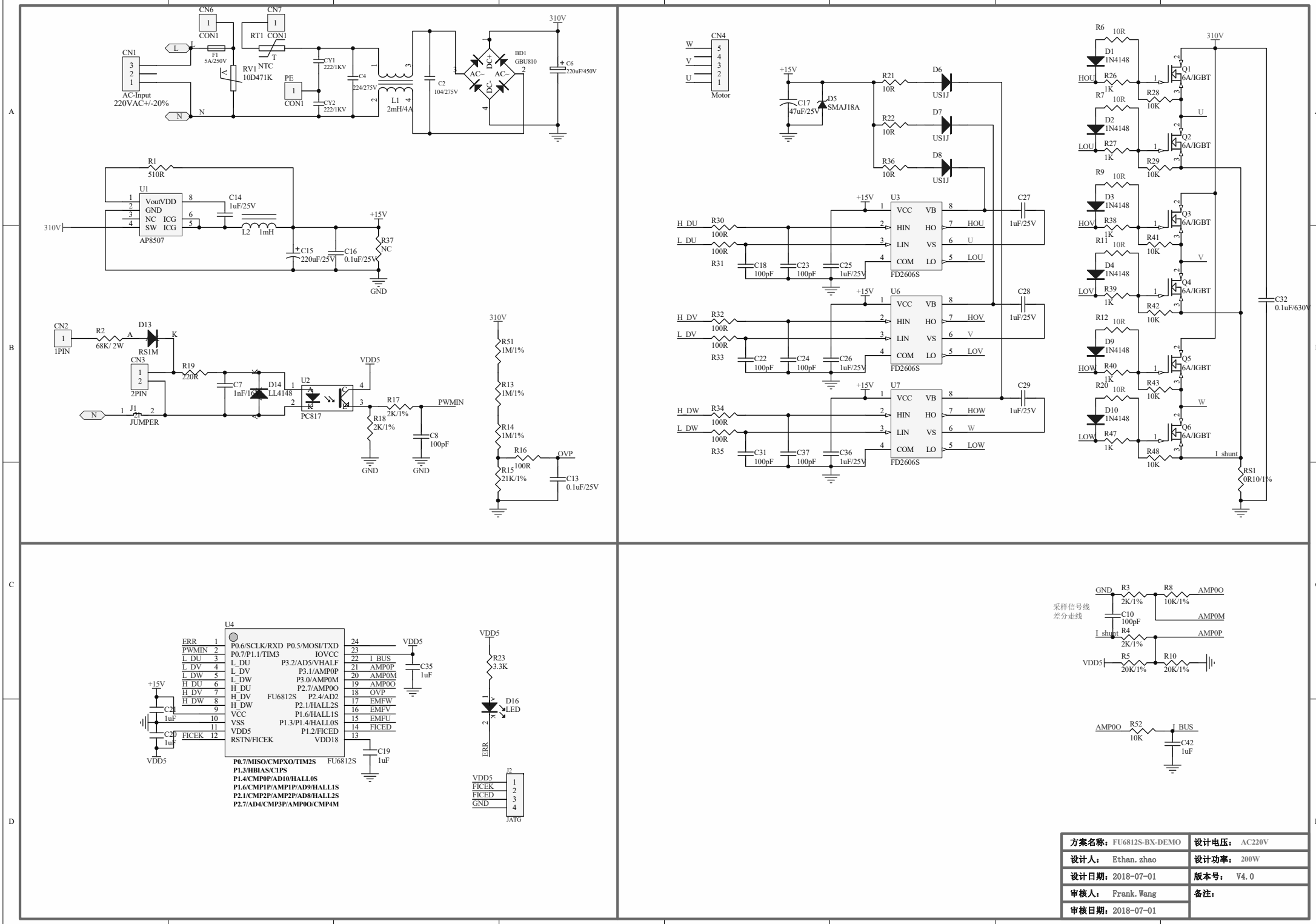
CN1
AC-Input
220VAC+/-20%
CN6
CON1
CN7
CON1
RT1 NTC
RV1
10D471K
F1
5A/250V
PE
CON1
CY1
222/1KV
CY2
222/1KV
C4
224/275V
L1
2mH/4A
C2
104/275V
BD1
GBU810
C6
220uF/450V
310V
R1
510R
U1
AP8507
C14
1uF/25V
L2 1mH
C15
220uF/25V
C16
0.1uF/25V
R37
NC
+15V
GND
CN2
1PIN
R2
68K/ 2W
D13
RS1M
CN3
2PIN
R19
220R
C7
1nF/1K
D14
LL4148
U2
PC817
VDD5
R17
2K/1%
PWMIN
R18
2K/1%
C8
100pF
J1
JUMPER
R51
1M/1%
R13
1M/1%
R14
1M/1%
R16
100R
OVP
R15
21K/1%
C13
0.1uF/25V
CN4
Motor
C17
47uF/25V
D5
SMAJ18A
R21
10R
R22
10R
R36
10R
D6
US1J
D7
US1J
D8
US1J
U3
U6
U7
FD2606S
H_DU
L_DU
H_DV
L_DV
H_DW
L_DW
R30
R31
R32
R33
R34
R35
100R
C18
100pF
C23
100pF
C25
1uF/25V
C22
C24
C26
C31
C37
C36
C27
C28
C29
HOU
LOU
HOV
LOV
HOW
LOW
R6
R7
R9
R11
R12
R20
R26
R27
R38
R39
R40
R47
R28
R29
R41
R42
R43
R48
D1
D2
D3
D4
D9
D10
1N4148
Q1
Q2
Q3
Q4
Q5
Q6
6A/IGBT
10K
1K
U
V
W
I_shunt
RS1
0R10/1%
C32
0.1uF/630V
U4
FU6812S
ERR
PWMIN
L_DU
L_DV
L_DW
H_DU
H_DV
H_DW
VCC
VSS
VDD5
RSTN/FICEK
FICEK
P0.6/SCLK/RXD
P0.7/P1.1/TIM3
P3.2/AD5/VHALF
P3.1/AMP0P
P3.0/AMP0M
P2.7/AMP0O
P2.4/AD2
P2.1/HALL2S
P1.6/HALL1S
P1.3/P1.4/HALL0S
P1.2/FICED
VDD18
P0.5/MOSI/TXD
IOVCC
I_BUS
AMP0P
AMP0M
AMP0O
OVP
EMFW
EMFV
EMFU
FICED
C21
C20
1uF
C35
C19
P0.7/MISO/CMPXO/TIM2S
P1.3/HBIAS/C1PS
P1.4/CMP0P/AD10/HALL0S
P1.6/CMP1P/AMP1P/AD9/HALL1S
P2.1/CMP2P/AMP2P/AD8/HALL2S
P2.7/AD4/CMP3P/AMP0O/CMP4M
R23
3.3K
D16
LED
J2
JATG
GND
采样信号线
差分走线
R3
2K/1%
R8
10K/1%
C10
100pF
R4
R5
20K/1%
R10
20K/1%
R52
C42
方案名称：FU6812S-BX-DEMO
设计电压：AC220V
设计人：Ethan.zhao
设计功率：200W
设计日期：2018-07-01
版本号：V4.0
审核人：Frank.Wang
备注：
审核日期：2018-07-01