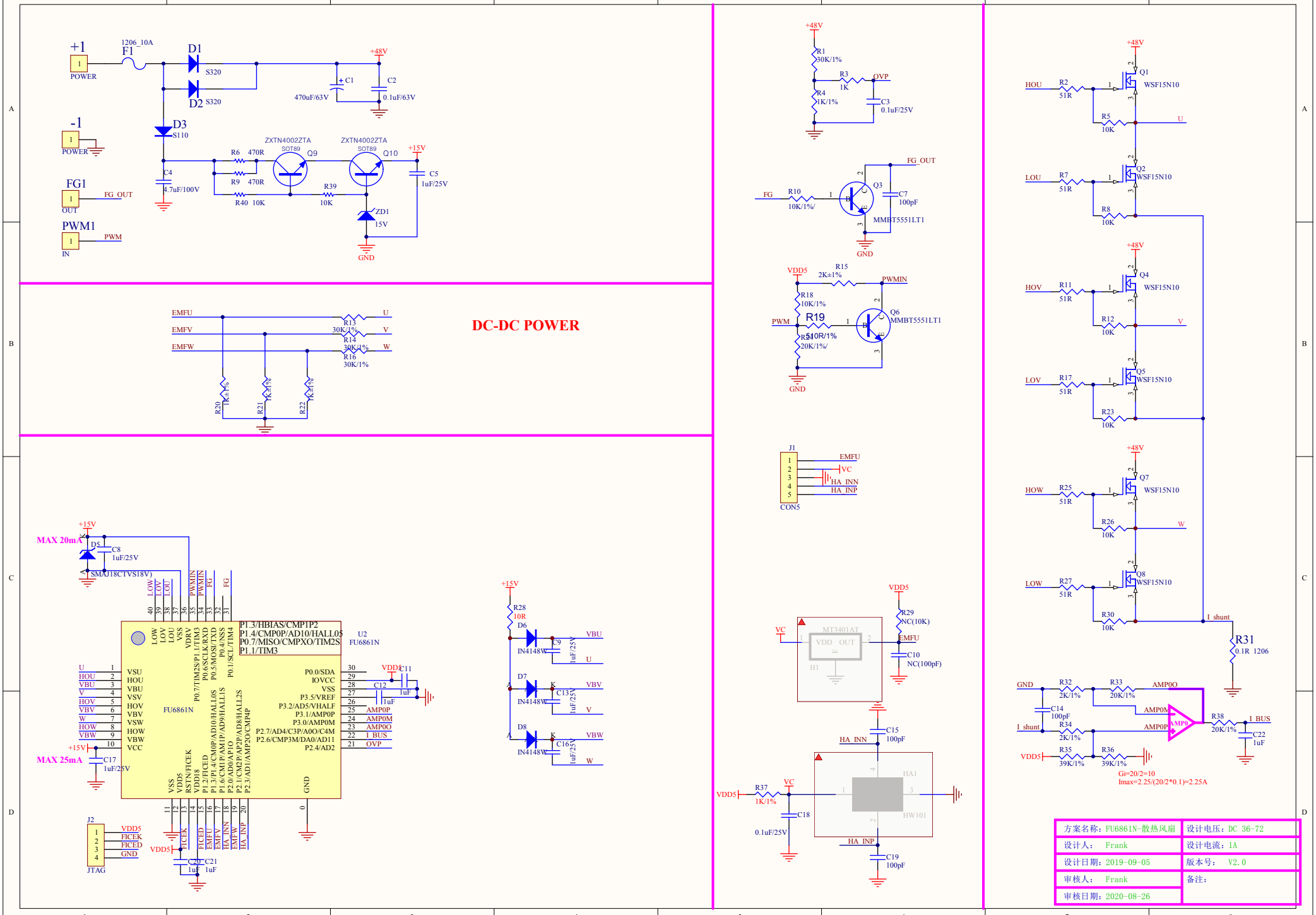
+1
POWER
1206_10A
F1
D1
S320
D2
S320
D3
S110
+48V
C1
470uF/63V
C2
0.1uF/63V
-1
POWER
C4
4.7uF/100V
R6 470R
R9 470R
R40 10K
ZXTN4002ZTA
SOT89
Q9
ZXTN4002ZTA
SOT89
Q10
R39
10K
+15V
C5
1uF/25V
ZD1
15V
GND
FG1
OUT
FG_OUT
PWM1
IN
PWM
EMFU
EMFV
EMFW
R13 30K/1%
R14 30K/1%
R16 30K/1%
U
V
W
R20 1K/1%
R21 1K/1%
R22 1K/1%
DC-DC POWER
+48V
R1 30K/1%
R3 1K
R4 1K/1%
OVP
C3 0.1uF/25V
FG_OUT
FG
R10 10K/1%/
Q3
MMBT5551LT1
C7 100pF
GND
VDD5
R15 2K±1%
PWMIN
R18 10K/1%
R19 10R/1%
R24 20K/1%/
PWM
Q6
MMBT5551LT1
GND
J1
CON5
EMFU
VC
HA_INN
HA_INP
+48V
HOU
R2 51R
Q1
WSF15N10
R5 10K
U
LOU
R7 51R
Q2
WSF15N10
R8 10K
HOV
R11 51R
Q4
WSF15N10
R12 10K
V
LOV
R17 51R
Q5
WSF15N10
R23 10K
HOW
R25 51R
Q7
WSF15N10
R26 10K
W
LOW
R27 51R
Q8
WSF15N10
R30 10K
I_shunt
R31
0.1R 1206
GND
R32 2K/1%
R33 20K/1%
AMP0O
C14 100pF
I_shunt
R34 2K/1%
AMP0P
VDD5
R35 39K/1%
R36 39K/1%
R38 20K/1%
I_BUS
C22 1uF
Gi=20/2=10
Imax=2.25/(20/2*0.1)=2.25A
MAX 20mA
+15V
D5
SMAJ18CTVS18V)
C8 1uF/25V
MAX 25mA
+15V
C17 1uF/25V
U2
FU6861N
P1.3/HBIAS/CMP1P2
P1.4/CMP0P/AD10/HALL05
P0.7/MISO/CMPXO/TIM2S
P1.1/TIM3
P0.0/SDA
IOVCC
VSS
P3.5/VREF
P3.2/AD5/VHALF
P3.1/AMP0M
P3.0/AMP0M
P2.7/AD4/C3P/AOO/C4M
P2.6/CMP3M/DA0/AD11
P2.4/AD2
VSU
HOU
VBU
VSV
HOV
VBV
VBW
VCC
VSS
VDD5
RSTN/FICEK
VDD18
P1.2/FICED
P1.3/P1.4/CM0P/AD10/HALL05
P1.6/CM1P/AD9/HALL1S
P2.0/AD0/AP1O
P2.1/CM2P/AP2P/AD8/HALL2S
P2.3/AD1/AMP2O/CMP4P
GND
VDD5
C11 1uF
C12 1uF
C13 1uF
C16 1uF
AMP0P
AMP0M
AMP0O
I_BUS
OVP
J2
JTAG
FICEK
FICED
GND
C20 1uF
C21 1uF
+15V
R28 10R
D6
IN4148W
C9 1uF/25V
VBU
U
D7
IN4148W
C13 1uF/25V
VBV
V
D8
IN4148W
C16 1uF/25V
VBW
W
VDD5
R29 NC(10K)
EMFU
C10 NC(100pF)
VC
MT3401AT
VDD OUT
C15 100pF
HA_INN
HA1
HW101
HA_INP
C19 100pF
VDD5
R37 1K/1%
VC
C18
0.1uF/25V
方案名称：FU6861N-散热风扇
设计电压：DC 36-72
设计人： Frank
设计电流：1A
设计日期：2019-09-05
版本号： V2.0
审核人： Frank
备注：
审核日期：2020-08-26