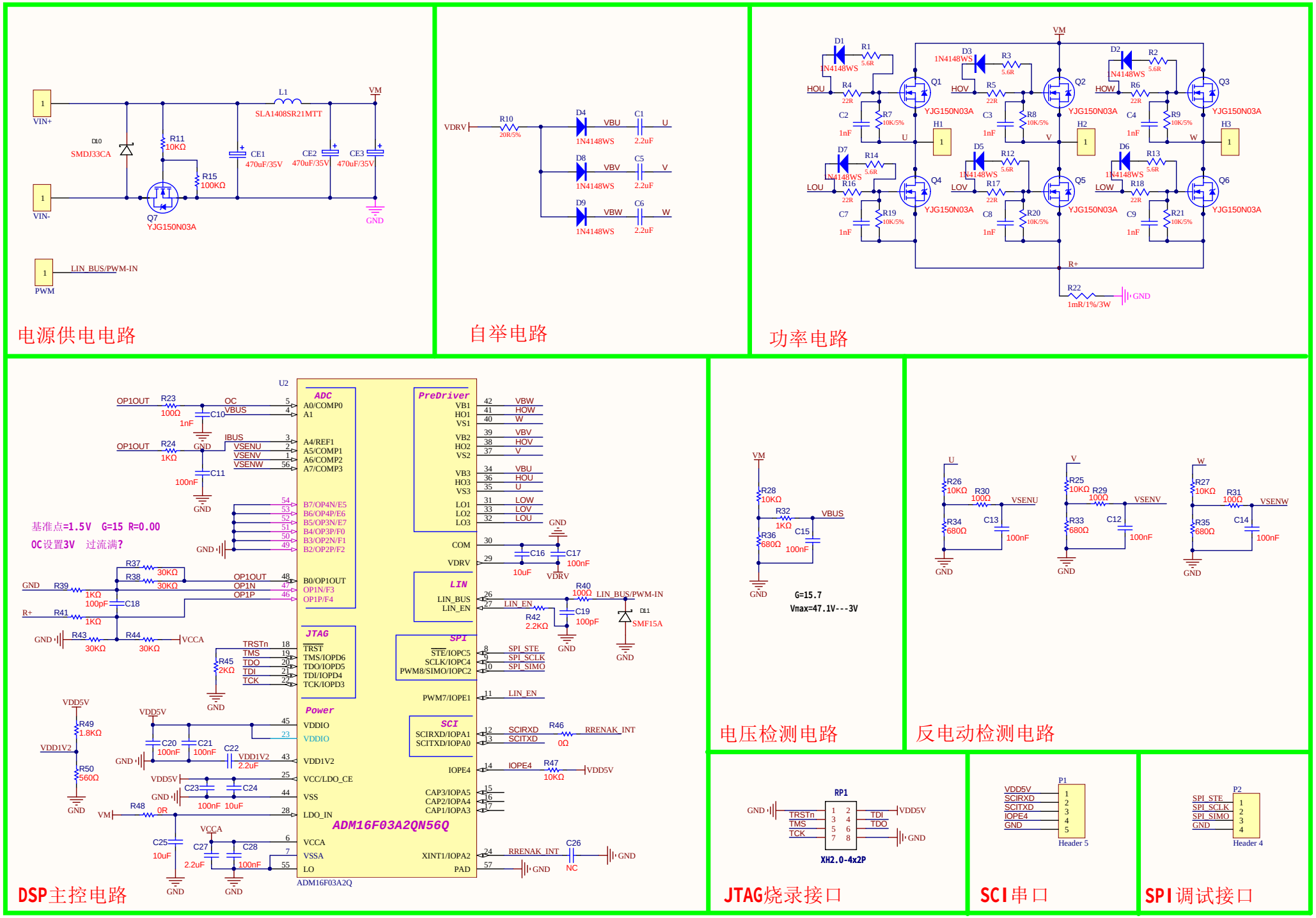
VIN+
VIN-
PWM
LIN_BUS/PWM-IN
L1
SLA1408SR21MTT
VM
GND
D10
SMDJ33CA
R11
10KΩ
R15
100KΩ
CE1
470uF/35V
CE2
470uF/35V
CE3
470uF/35V
Q7
YJG150N03A
电源供电电路
R10
20R/5%
D4
D8
D9
1N4148WS
VBU
VBV
VBW
C1
C5
C6
2.2uF
U
V
W
自举电路
D1
D2
D3
D5
D6
D7
R1
R2
R3
R4
R5
R6
R7
R8
R9
R12
R13
R14
R16
R17
R18
R19
R20
R21
5.6R
22R
10K/5%
HOU
HOV
HOW
LOU
LOV
LOW
Q1
Q2
Q3
Q4
Q5
Q6
C2
C3
C4
C7
C8
C9
1nF
H1
H2
H3
R+
R22
1mR/1%/3W
功率电路
U2
ADC
A0/COMP0
A1
A4/REF1
A5/COMP1
A6/COMP2
A7/COMP3
B7/OP4N/E5
B6/OP4P/E6
B5/OP3N/E7
B4/OP3P/F0
B3/OP2N/F1
B2/OP2P/F2
B0/OP1OUT
OP1N/F3
OP1P/F4
JTAG
TRST
TMS/IOPD6
TDO/IOPD5
TDI/IOPD4
TCK/IOPD3
Power
VDDIO
VDDIO
VDD1V2
VCC/LDO_CE
VSS
LDO_IN
VCCA
VSSA
LO
PreDriver
VB1
HO1
VS1
VB2
HO2
VS2
VB3
HO3
VS3
LO1
LO2
LO3
COM
VDRV
LIN
LIN_BUS
LIN_EN
SPI
STE/IOPC5
SCLK/IOPC4
PWM8/SIMO/IOPC2
PWM7/IOPE1
SCI
SCIRXD/IOPA1
SCITXD/IOPA0
IOPE4
CAP3/IOPA5
CAP2/IOPA4
CAP1/IOPA3
XINT1/IOPA2
PAD
ADM16F03A2QN56Q
ADM16F03A2Q
基准点=1.5V G=15 R=0.00
OC设置3V 过流满?
OP1OUT
OC
VBUS
IBUS
VSENU
VSENV
VSENW
OP1N
OP1P
TRSTn
TMS
TDO
TDI
TCK
VCCA
VDD5V
VDD1V2
SPI_STE
SPI_SCLK
SPI_SIMO
LIN_EN
SCIRXD
SCITXD
RRENAK_INT
IOPE4
VDRV
LIN_BUS/PWM-IN
SMF15A
DSP主控电路
VM
R28
10KΩ
R32
1KΩ
R36
680Ω
C15
100nF
VBUS
G=15.7
Vmax=47.1V---3V
电压检测电路
U
V
W
R26
R25
R27
R30
R29
R31
R34
R33
R35
C13
C12
C14
100Ω
680Ω
100nF
VSENU
VSENV
VSENW
反电动检测电路
RP1
XH2.0-4x2P
JTAG烧录接口
P1
Header 5
SCI串口
P2
Header 4
SPI调试接口