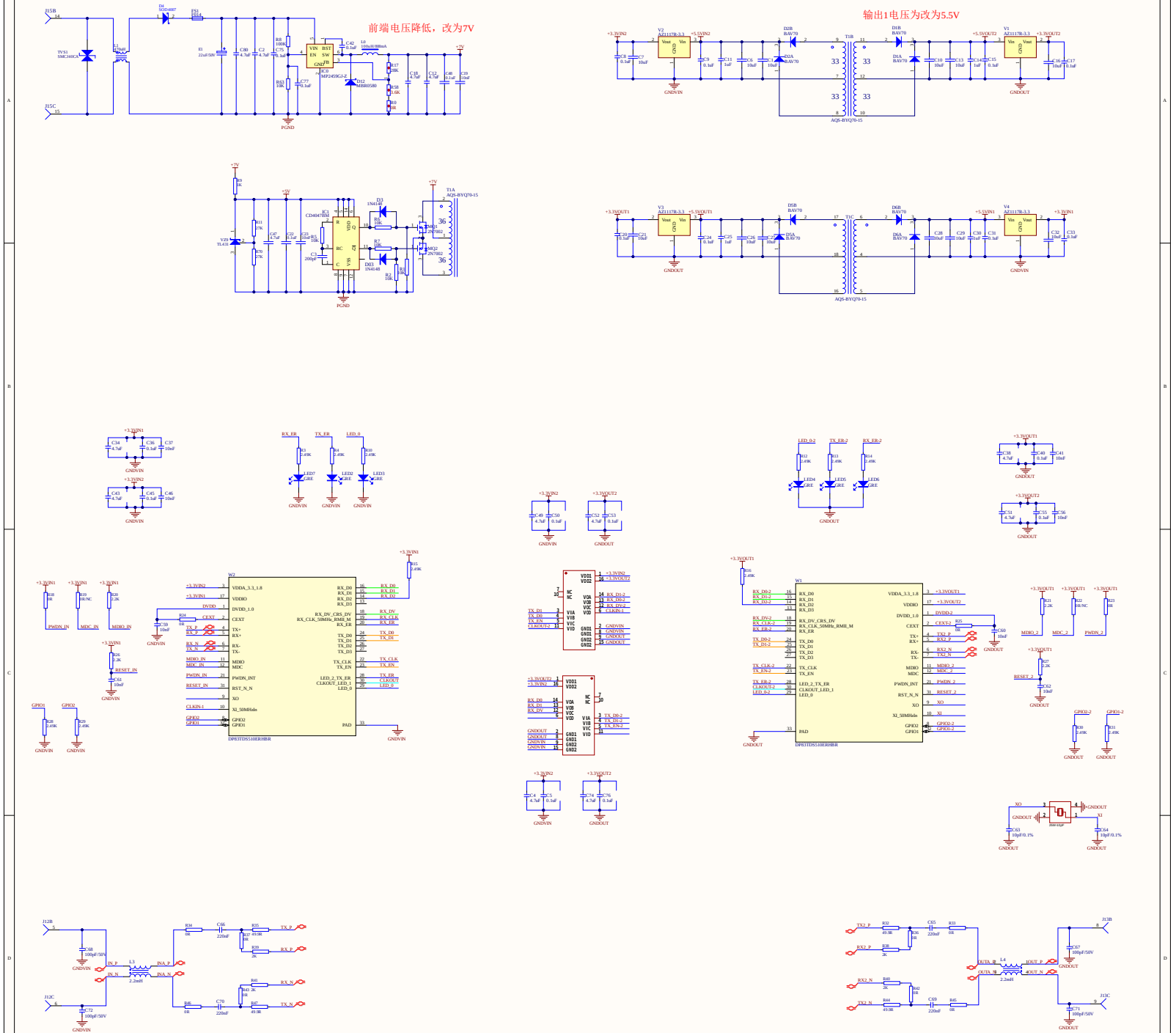
前端电压降低，改为7V
输出1电压为改为5.5V
HSB
HSC
TVS1
SMCJ45CA
L1
47nH
D1
STPS4097
R1
1M
E1
22uF/50V
C80
4.7uF
C2
4.7uF
R8
100K
C75
0.1uF
R12
10K
C77
0.1uF
U1
MP2459GJ-Z
VIN
EN
BST
SW
GND
C42
0.1uF
L6
10uH/1.8Ωmax
D12
MBR0580
R17
20K
R18
3.6K
R19
6K
C18
4.7uF
C12
4.7uF
C48
0.1uF
C39
10uF
+7V
PGND
V2
AZ1117B-3.3
+3.3VIN2
+5.5VIN2
C8
0.1uF
C7
10uF
C9
0.1uF
C11
1uF
C6
10uF
D2B
BAV70
D2A
BAV70
T1B
AQS-BYQ70-15
D1B
BAV70
D1A
BAV70
C10
10uF
C13
10uF
+5.5VOUT2
C14
1uF
C15
0.1uF
V1
AZ1117B-3.3
+3.3VOUT2
C16
10uF
C17
0.1uF
GNDVIN
GNDOUT
R9
1K
V29
TL431
R11
27K
R70
27K
C47
4.7uF
C22
0.1uF
C23
10uF
R5
10K
C3
200pF
IC1
CD4047BM
VDD
Q
R
RC
Z1
VSS
C
D3
1N4148
R6
10K
R7
10K
D03
1N4148
R2
10K
R4
1K
MOS1
2N7002
MOS2
2N7002
T1A
AQS-BYQ70-15
V3
AZ1117B-3.3
+3.3VOUT1
+5.5VOUT1
C20
0.1uF
C21
10uF
C24
0.1uF
C25
1uF
C26
10uF
D5B
BAV70
D5A
BAV70
T1C
D6B
BAV70
D6A
BAV70
C28
10uF
C29
10uF
C30
1uF
C31
0.1uF
+5.5VIN1
V4
AZ1117B-3.3
+3.3VIN1
C32
10uF
C33
0.1uF
AQS-BYQ70-15
C34
4.7uF
C36
0.1uF
C37
10uF
C43
4.7uF
C45
0.1uF
C46
10uF
RX_ER
TX_ER
LED_0
R3
2.49K
R4
2.49K
R10
2.49K
LED7
GRE
LED2
GRE
LED3
GRE
C49
4.7uF
C50
0.1uF
C52
4.7uF
C53
0.1uF
LED_0-2
TX_ER-2
RX_ER-2
R12
2.49K
R13
2.49K
R14
2.49K
LED4
GRE
LED5
GRE
LED6
GRE
C38
4.7uF
C40
0.1uF
C41
10uF
C51
4.7uF
C55
0.1uF
C56
10uF
R18
1K
R19
68.NC
R20
2.2K
PWDN_IN
MDC_IN
MDIO_IN
R24
1K
C59
10uF
R26
2.2K
RESET_IN
C61
10uF
R15
2.49K
W2
DP83TD510ERHBR
VDDA_3.3_1.8
VDDIO
DVDD_1.0
CEXT
TX+
RX+
TX-
RX-
MDIO
MDC
PWDN_INT
RST_N_N
XO
XI_50MHzIn
GPIO2
GPIO1
PAD
RX_D0
RX_D1
RX_D2
RX_D3
RX_DV_CRS_DV
RX_CLK_50MHz_RMII_M
RX_ER
TX_D0
TX_D1
TX_D2
TX_D3
TX_CLK
TX_EN
LED_2_TX_ER
CLKOUT_LED_1
LED_0
RX_D0
RX_D1
RX_D2
RX_D3
RX_DV
RX_CLK
RX_ER
TX_D0
TX_D1
TX_CLK
TX_EN
TX_ER
CLKOUT
LED_0
GNDVIN
VDD1
VDD2
NC
NC
VOA
VOB
VOC
VOD
VIA
VIB
VIC
VID
GND1
GND2
GNDVIN
GNDOUT
TX_D1
TX_D0
TX_EN
CLKOUT-2
RX_D1-2
RX_D0-2
RX_DV-2
TX_CLK-2
TX_EN-2
TX_ER-2
LED_0-2
TX_D0-2
TX_D1-2
TX_EN-2
C4
4.7uF
C5
0.1uF
C74
4.7uF
C76
0.1uF
W1
DP83TD510ERHBR
R16
2.49K
C60
10uF
R25
68
R21
2.2K
R22
68.NC
R23
68
MDIO_2
MDC_2
PWDN_2
R27
2.2K
RESET_2
C62
10uF
GPIO2-2
GPIO1-2
R30
2.49K
R31
2.49K
XO
XI
C63
10pF/0.1%
C64
10pF/0.1%
J12B
J12C
C68
100pF/50V
C72
100pF/50V
IN_P
IN_N
L3
2.2mH
INA_P
INA_N
R34
68
C66
220mF
R35
R37 49.9R
R38
R39
2K
R41
R43 2K
R44
R46
68
C70
220mF
R47
49.9R
TX_P
RX_P
RX_N
TX_N
TX2_P
RX2_P
RX2_N
TX2_N
R32
49.9R
R36
68
C65
220mF
R33
68
R40
2K
R42
68
C69
220mF
R45
68
OUTA_B
OUTA_N
L4
2.2mH
IOUT_P
IOUT_N
J13B
J13C
C67
100pF/50V
C71
100pF/50V