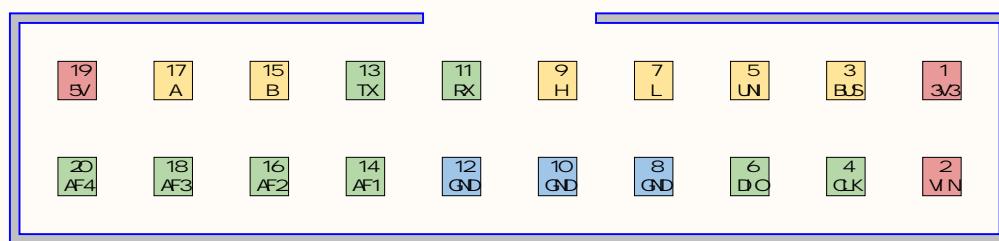


1

2

3

4



B

I/O复用：

4#PA14 S/CLK1 2C1_SDATI MB_0~2
6#PA13 S/D 01 2C1_SCI/TI M4_0~B

11#PA3 LPUART1_RX/ADC1_I_N8/TI N2_C/H/COMP2_I_NP/OPAMP1_VI NM/OPAMP1_VI NP/WKUP4
13#PA2 LPUART1_RX/ADC1_I_N8/TI N2_C/B/COMP2_I_NM/WKUP4

14#PA4 SR_3_NGS/ADC2_I_N17/DAC1_O/D1/COMP1_I_NM
16#PE5 SR_3_M0I/TI M7_CH1
18#PC10 SR_3_SCK/TI MB_CH1N
20#PC11 SR_3_NISOTI MB_C/H2N

总线复用与说明：

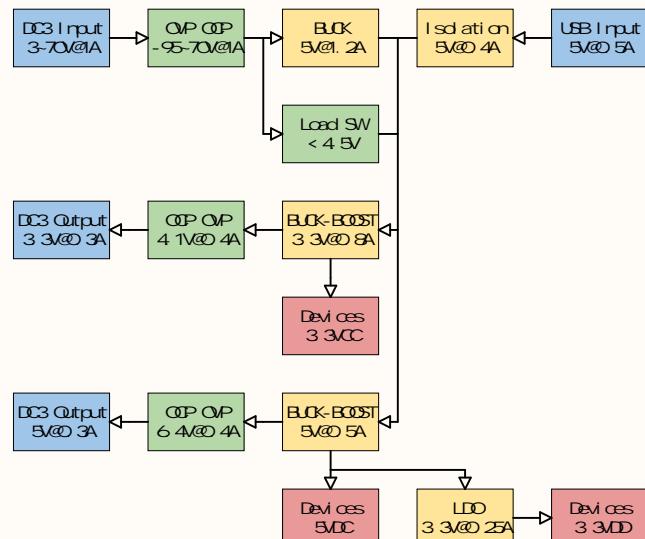
3#BUS HDAS_N/RS485_2_B
5#UN HDAS_P/RS485_2_A

7#L CAN FD_L
9#H CAN FD_H

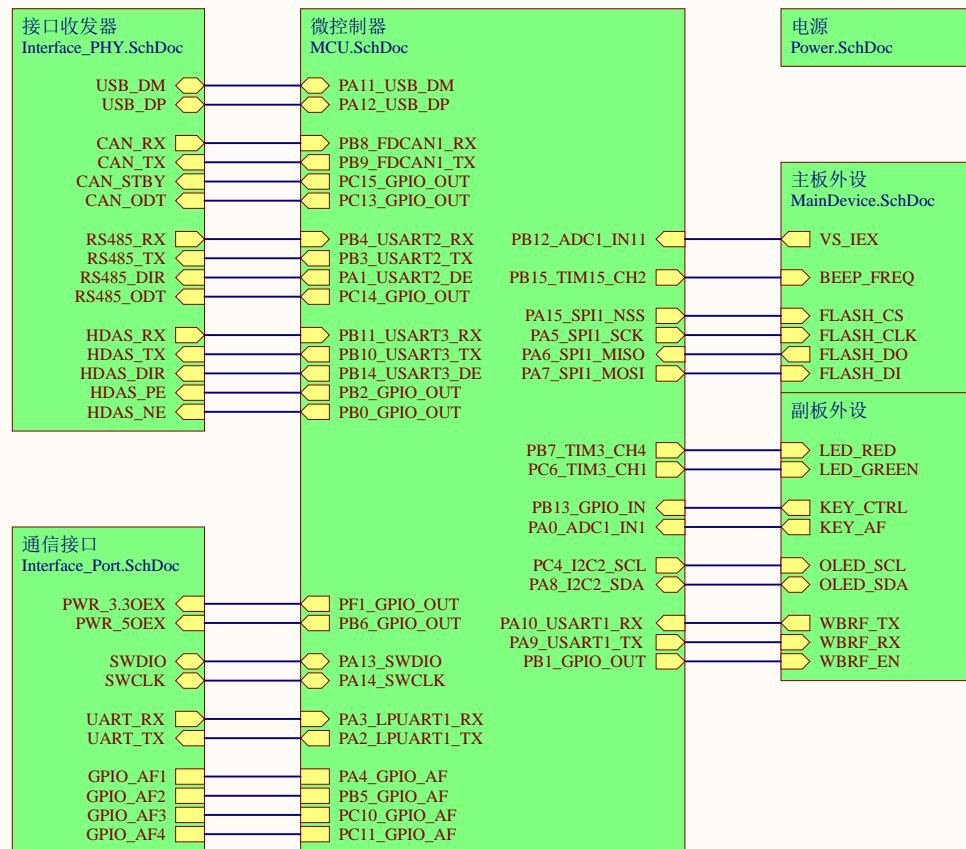
15#B RS485_1_B
17#A RS485_1_A

Interface Definition

总线 I/O 地 电源



Power Tree



ESC Block Diagram

Direct Drive Tech 本木科技

Rev 1.0

Projct D:\Assitant_Mini\Prj\Pdb
File BlockDiagram.SchDoc

Drawn	Size A4
EM0038 卢振峰	BC xx Dxxxxx xx
Checked	Date 2023/12/6
114514 六阵风	Sheet 1 of 6

参数说明
特殊网络
电源网络
电平信号
差分信号
模拟信号
脉冲信号
异步信号
同步信号
调试信号

1

2

3

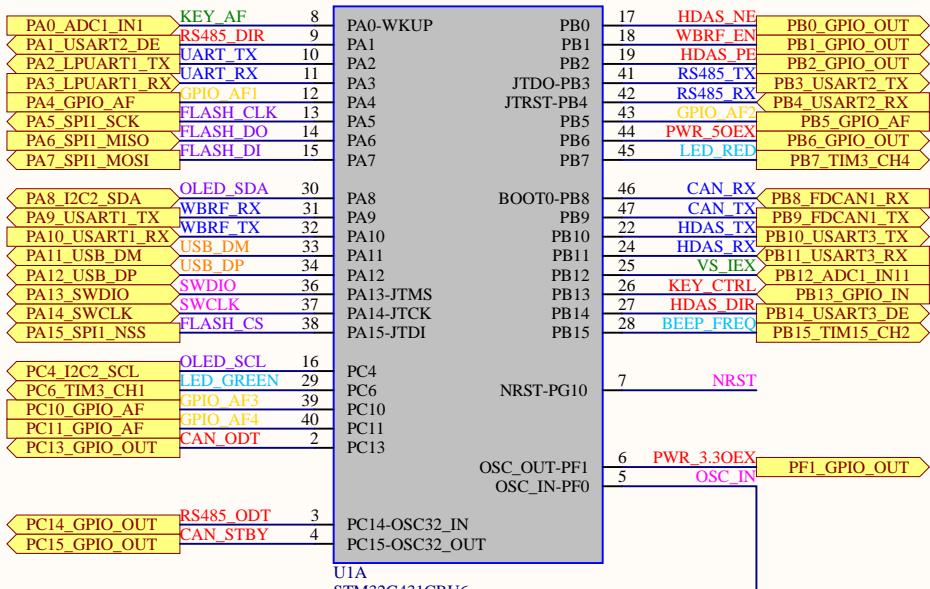
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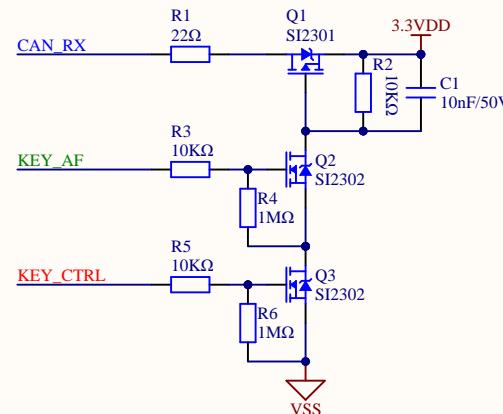
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3

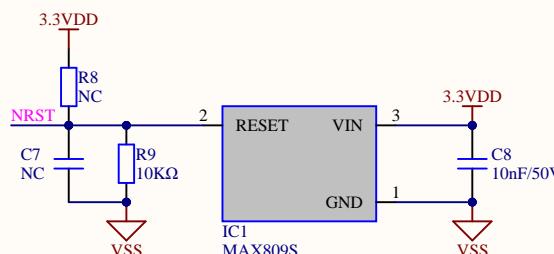
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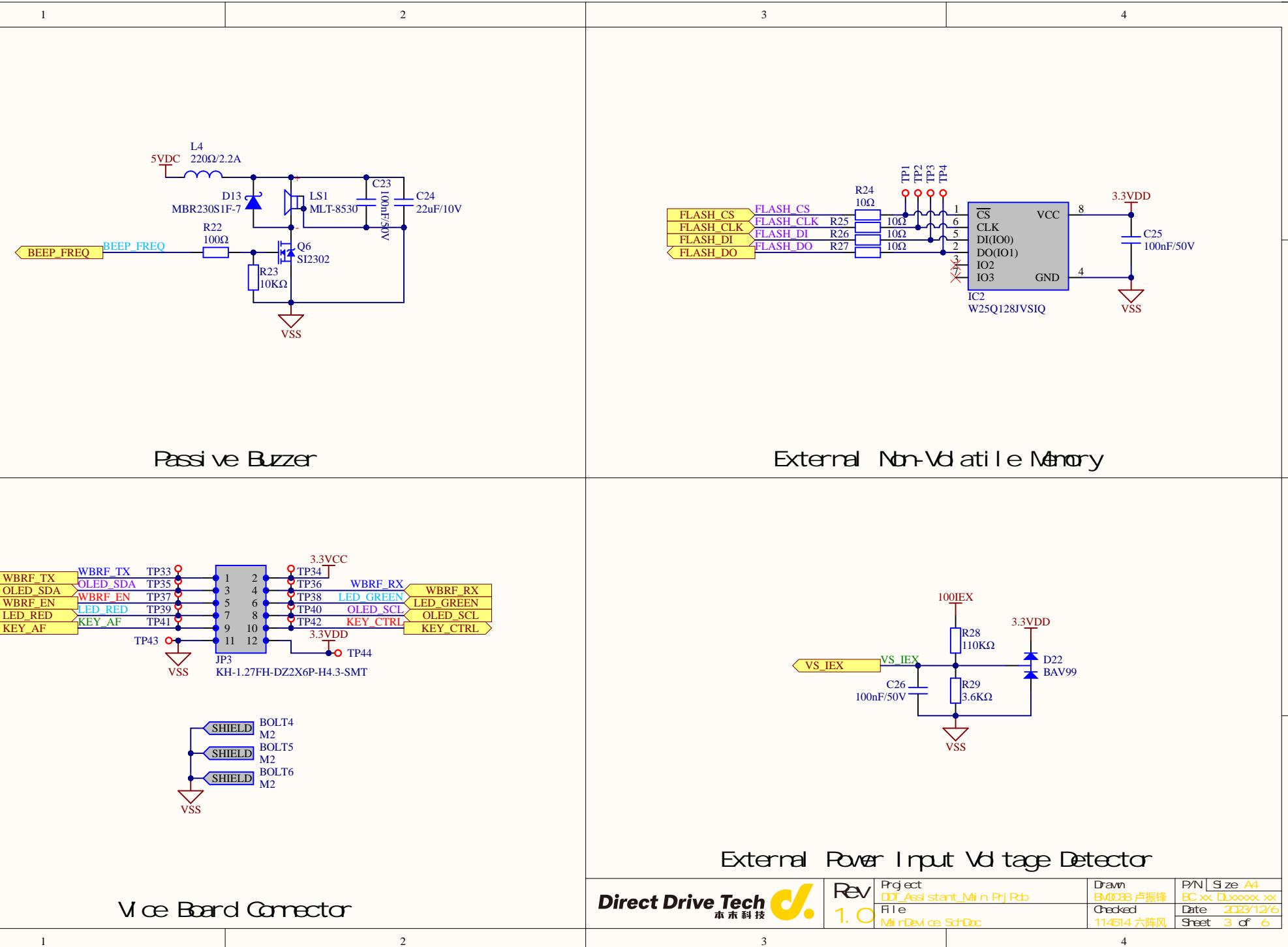
Microprogrammed Control Unit



Boot Option



Reset Circuit

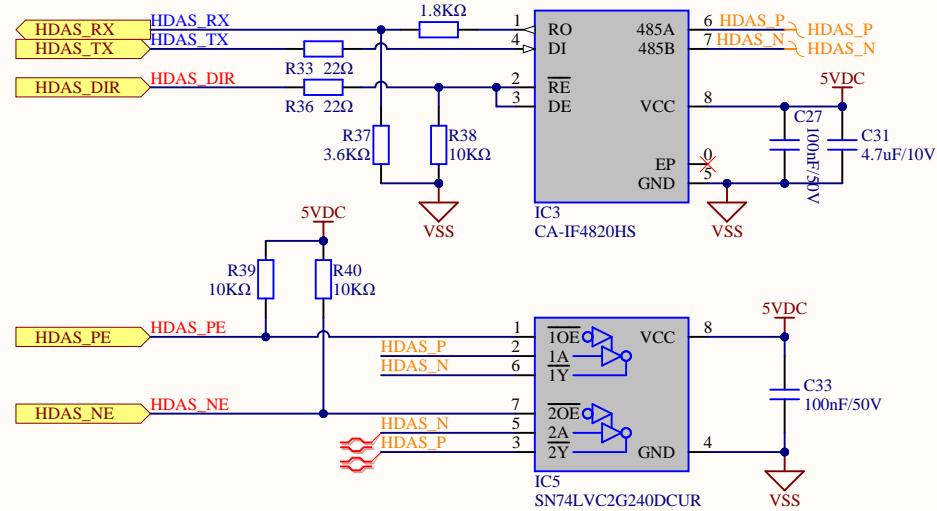


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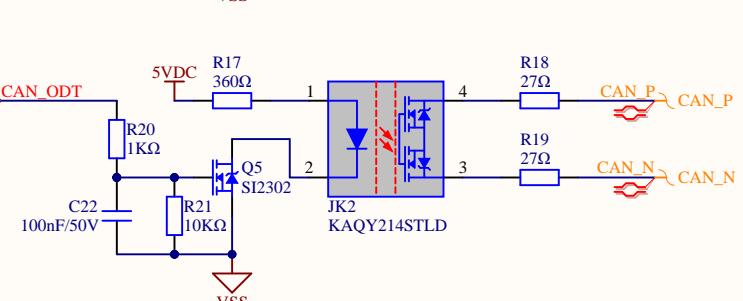
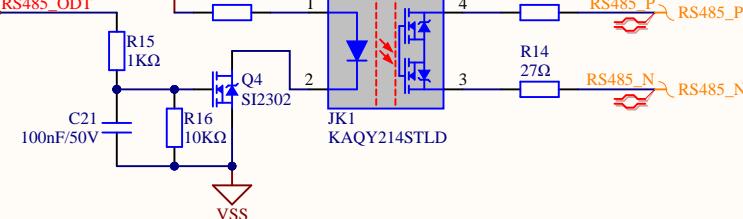
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3

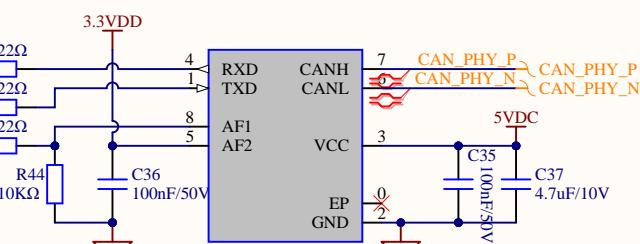
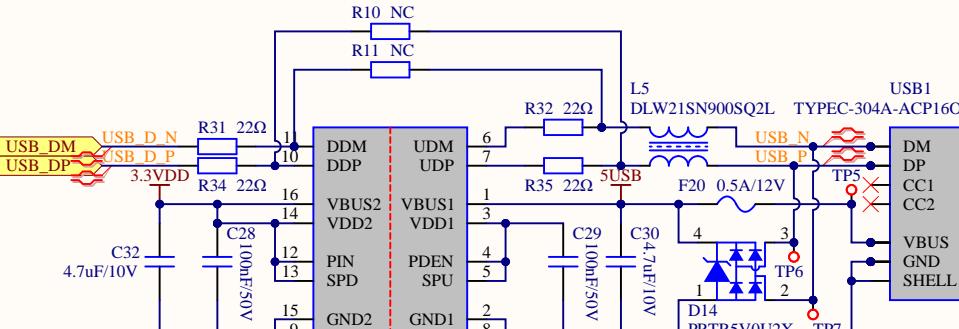
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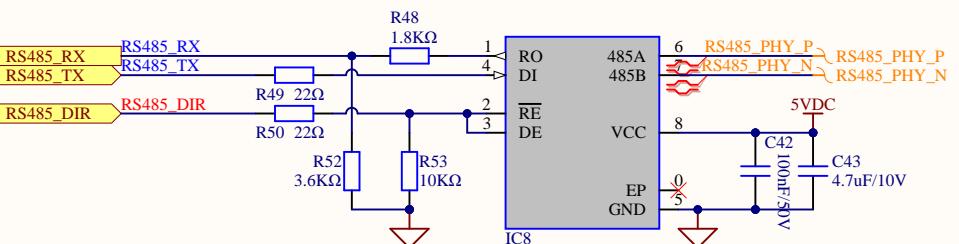
Half Duplex Asynchronous Serial Transceiver



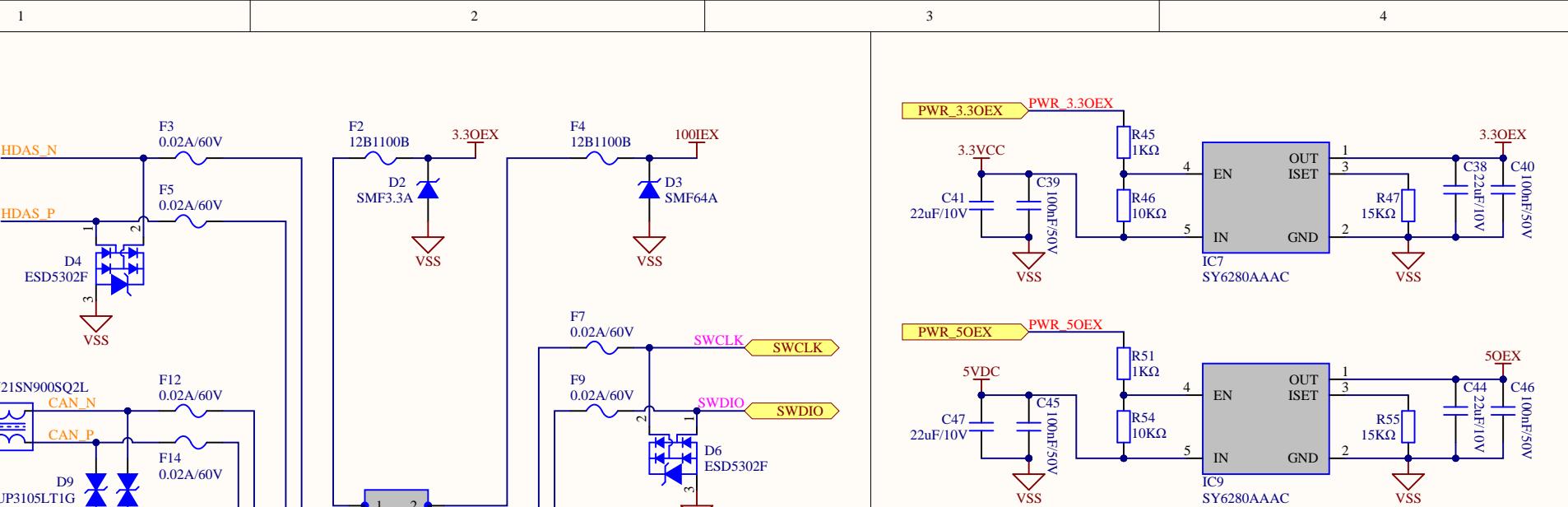
Bus On-Die Termination Switch



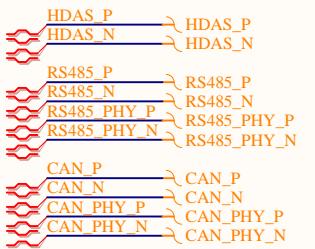
CANFD Transceiver



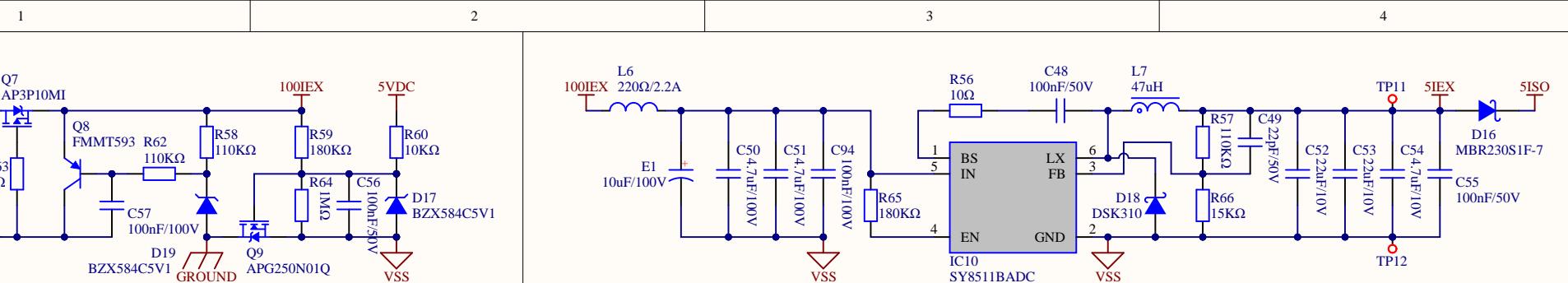
RS485 Transceiver



External Power Output Load Switch

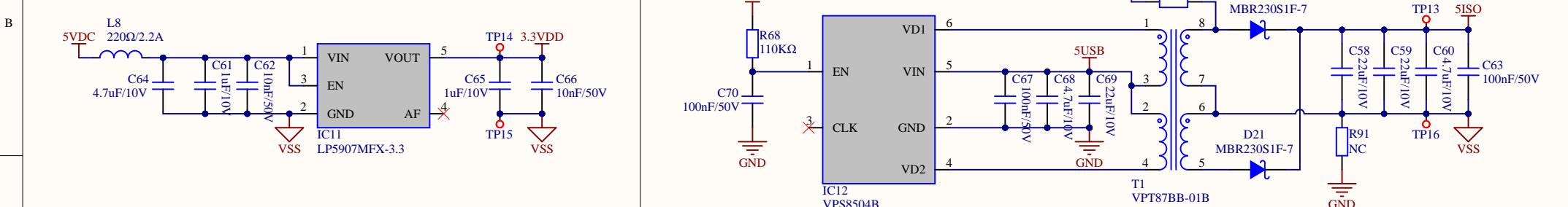


Mixed Signal Port Protection



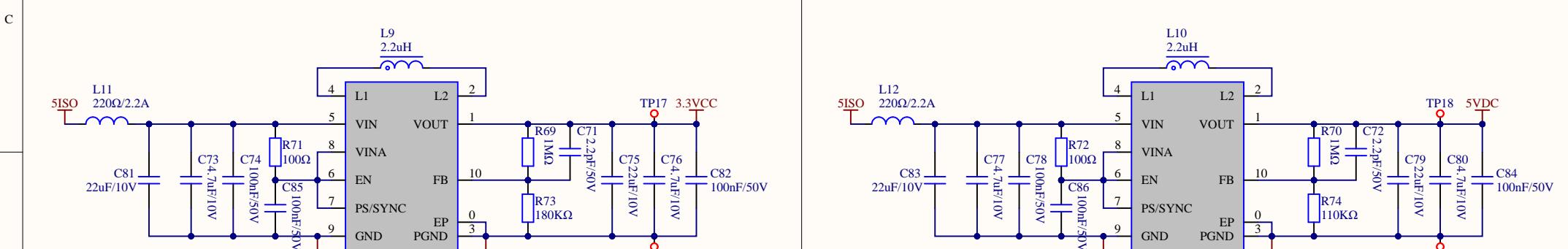
Power Input Protection

External Power Input 5V Buck Switch Regulator



3.3V Low Dropout Regulator

USB Isolation Switch Regulator



3.3V Buck-Boost Switch Regulator

Project	Rev	Drawn	P/N
DDI Assistant_Mini Prj Rd	1.0	EM0088 卢振峰	Size A4
Checked		BC xx	Date 2023/12/6
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