

U5

USB0_ID

1

PA0

2

PA1

3

PA2

4

PA3

5

PA4

6

PA5

7

PA6

8

VD33

9

VD12

10

VD18

11

VD18

12

VD12

13

PA7

14

PA8

15

PA9

16

PA10

17

PA11

18

PA12

19

VD33

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PG9

21

PG8

22

PG7

23

PG6

24

PG5

25

PG3

26

PG1

27

PG0

28

PB0

29

PB6

30

PB4

31

VSS_ADC

32

VD33_ADC

33

PB7

34

PB5

35

PB1

36

PB3

37

PB2

38

VD33_RTC

39

32K_IN

40

32K_OUT

41

PB8

42

VD12

43

PC0

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PC1

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PC2

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PC3

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PC4

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PC5

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PC6

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PC7

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PC8

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PC9

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PC10

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PC11

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PC12

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PC13

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PC14

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PC15

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VD33

60

PD2

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PD3

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PD4

63

VSS

64

USB0_ID

1

PA.0/QSPI0_SS1/I2C0_SDA/UART1_RXD/EINT0/TM0_ECNT/CAN3_RXD

2

PA.1/EBI_nCS2/EBI_MCLK/I2C0_SCL/UART1_TXD/EINT1/TM1_ECNT/CAN3_TXD

3

PA.2/UART6_CTS/I2S_LRCK/SC0_CD/JTAG1_TDO/TM2_ECNT

4

PA.3/UART6_RTS/I2S_BCLK/SC0_PWR/JTAG1_TCK/TM3_ECNT

5

PA.4/UART6_RXD/I2S_DI/SC0_DAT/JTAG1_TMS/TM4_ECNT

6

PA.5/UART6_TXD/I2S_DO/SC0_CLK/JTAG1_TDI/TM5_ECNT

7

PA.6/EBI_nCS1/I2S_MCLK/SC0_RST/JTAG1_nTRST

8

VDDIO

9

VDD

10

MVDD

11

MVDD

12

VDD

13

PA.7/EBI_nWE/UART2_CTS/TM3_EXT

14

PA.8/EBI_nRE/UART2_RTS/TM3_TGL

15

PA.9/EBI_nCS0/UART2_RXD/TM2_EXT

16

PA.10/EBI_ADDR10/UART2_TXD/TM2_TGL

17

PA.11/EBI_ADDR9/UART8_RXD/TM4_EXT

18

PA.12/EBI_ADDR8/UART8_TXD/TM4_TGL

19

VDDIO

20

PG.9/EBI_ADDR7/UART8_CTS/PWM13/CFG.9_PwrOnSet9

21

PG.8/EBI_ADDR6/UART8_RTS/PWM12/CFG.8_PwrOnSet8

22

PG.7/EBI_ADDR5/UART5_TXD/PWM11/CFG.7_PwrOnSet7

23

PG.6/EBI_ADDR4/UART5_RXD/PWM10/CFG.6_PwrOnSet6

24

PG.5/EBI_ADDR12/UART5_RTS/CFG.5_PwrOnSet5

25

PG.3/EBI_ADDR3/UART2_RTS/PWM03/CFG.3_PwrOnSet3

26

PG.1/EBI_ADDR1/UART2_TXD/PWM01/CFG.1_PwrOnSet1

27

PG.0/EBI_ADDR0/UART2_RXD/CLK_OUT/PWM00/CFG.0_PwrOnSet0

28

PB.0/EBI_ADDR12/UART2_CTS/ADC_AIN0

29

PB.6/EBI_ADDR13/I2C1_SDA/I2S_LRCK/USBH0_DM/UART7_TXD/SP1_SS0/ADC_AIN6

30

PB.4/EBI_ADDR14/I2C1_SCL/I2S_BCLK/USBH0_DP/UART7_RXD/SP1_CLK/ADC_AIN4

31

AVSSADC

32

AVDDADC

33

PB.7/EBI_ADDR15/I2C2_SDA/I2S_DI/USBH0_DM/UART7_CTS/SP1_MISO/ADC_AIN7

34

PB.5/EBI_ADDR16/I2C2_SCL/I2S_DO/USBH0_DP/UART7_RTS/SP1_MISO/ADC_AIN5

35

PB.1/EBI_ADDR17/I2C3_SDA/I2S_MCLK/CAN2_RXD/TM0_EXT/SP1_SS1/UART9_TXD/ADC_AIN1

36

PB.3/EBI_ADDR18/I2C3_SCL/EINT2/CAN2_TXD/TM0_TGL/SP10_SS1/UART9_RXD/ADC_AIN3

37

PB.2/EBI_ADDR2/UART9_RTS/ADC_AIN2

38

VBAT33

39

X32_IN

40

X32_OUT

41

PB.8/EBI_ADDR11/I2C2_SCL/CAN2_RXD/UART8_TXD/SD0_nCD/TM0_EXT

42

VDD

43

PC.0/EBI_DATA0/I2C2_SDA/CAN2_TXD/UART8_RXD/SP10_SS1/TM0_TGL

44

PC.1/EBI_DATA1/NAND_nCS0/UART7_TXD

45

PC.2/EBI_DATA2/NAND_nWP/UART7_RXD

46

PC.3/EBI_DATA3/VCAPO_CLK0/NAND_ALE/I2C1_SCL/UART3_TXD/CAN0_RXD

47

PC.4/EBI_DATA4/VCAPO_PCLK/NAND_CLE/I2C1_SDA/UART3_RXD/SP10_MOSI/CAN0_TXD

48

PC.5/EBI_DATA5/VCAPO_HSYNC/NAND_nWE/SP10_SS0/SD0_CMD/UART1_TXD/eMMC0_CMD

49

PC.6/EBI_DATA6/VCAPO_SS/VSYN/NAND_nRE/SC1_RST/SP10_CLK/SD0_CLK/UART1_RXD/eMMC0_CLK

50

PC.7/EBI_DATA7/VCAPO_FIELD/NAND_RDY0/SC1_CLK/SP10_MOSI/SD0_DATA0/UART1_RTS/eMMC0_DATA0

51

PC.8/EBI_DATA8/VCAPO_DATA0_DATA0/SC1_DAT/SP10_MISO/SD0_DATA1/UART1_CTS/eMMC0_DATA0

52

PC.9/EBI_DATA9/VCAPO_DATA1/NAND_DATA1/SC1_PWR/SD0_DATA2/UART4_TXD/eMMC0_DATA2

53

PC.10/EBI_DATA10/VCAPO_DATA2/NAND_DATA2/SC1_CD/SD0_DATA3/UART4_RXD/eMMC0_DATA3

54

PC.11/EBI_DATA11/VCAPO_DATA3/NAND_DATA3/SC0_RST

55

PC.12/EBI_DATA12/VCAPO_DATA4/SC0_CLK/SD0_nCD/UART8_TXD

56

PC.13/EBI_DATA13/VCAPO_DATA5/NAND_DATA5/SC0_DAT/UART8_RXD

57

PC.14/EBI_DATA14/VCAPO_DATA6/NAND_DATA6/SC0_PWR/SP10_MOSI/UART8_RTS

58

PC.15/EBI_DATA15/VCAPO_DATA7/NAND_DATA7/SC0_CD/UART8_CTS

59

VDDIO

60

PD.2/QSPI0_SS0/UART3_TXD/TM4_EXT

61

PD.3/QSPI0_CLK/UART3_RXD/TM4_TGL

62

PD.4/QSPI0_MOSI0/UART3_RTS/TM5_EXT

63

VSS

64

PE.12/USBH_PWREN/CAN3_TXD/UART9_TXD/PWM13/EINT3/I2C0_SCL/VCAP1_CLKO

1

PE.10/USB_OVC/CAN3_RXD/UART9_RXD/PWM12/EINT2/I2C0_SDA/VCAP1_FIELD

2

PE.9/RMII0_MDC/UART6_TXD/USBH5_DP/VCAP1_DATA7

3

PE.8/RMII0_MDIO/UART6_RXD/USBH5_DM/VCAP1_DATA6

4

PE.7/RMII0_TXD0/CAN3_TXD/UART9_TXD/USBH4_DP/VCAP1_DATA5

5

PE.6/RMII0_TXD1/CAN3_RXD/UART9_RXD/USBH4_DM/VCAP1_DATA4

6

PE.5/RMII0_TXEN/CAN2_TXD/UART9_RTS/USBH3_DP/VCAP1_DATA3

7

PE.4/RMII0_REFCLK/CAN2_RXD/UART9_CTS/USBH3_DM/VCAP1_DATA2

8

PE.3/RMII0_RXD0/CAN1_TXD/UART4_TXD/USBH2_DP/VCAP1_DATA1

9

PE.2/RMII0_RXD1/CAN1_RXD/UART4_RXD/USBH2_DM/VCAP1_DATA0

10

PE.1/RMII0_CRSDV/CAN0_TXD/UART4_RTS/USBH1_DP/VCAP1_VSYNC

11

PE.0/RMII0_RXERR/CAN0_RXD/UART4_CTS/USBH1_DM/VCAP1_HSYNC

12

XT_OUT

13

XT_IN

14

VDDIO

15

PF.12/UART0_TXD

16

PF.11/UART0_RXD

17

PF.10/UART1_TXD/TM5_TGL/PWM11/VCAP1_PCLK/EBI_DATA15

18

PF.9/RMII1_MDC/UART1_RXD/TM1_EXT/PWM10/USBH5_DP/EBI_DATA14

19

PF.8/RMII1_MDIO/UART1_RTS/TM1_TGL/PWM03/USBH5_DM/EBI_DATA13

20

PF.7/RMII1_TXD0/UART1_CTS/TM5_EXT/PWM02/UART3_TXD/USBH4_DP/EBI_DATA12

21

PLL_VSS

22

VD12

23

PB13

24

PF6

25

PF5

26

PF4

27

PF3

28

PF2

29

PF1

30

PF0

31

VD33

32

VDDIO

33

MVDD

34

MVDD

35

VD12

36

nRST

37

PG.15/SP10_SS1/SP11_SS1/EINT3/JTAG0_nTRST

38

PG.14/SP11_MISO/CAN1_TXD/UART5_TXD/PWM13/JTAG0_TDI

39

PG.13/SP11_MOSI/CAN1_RXD/UART5_RXD/PWM12/JTAG0_TMS

40

PG.12/SP11_CLK/TM1_EXT/CAN0_TXD/UART5_RTS/PWM11/JTAG0_TCK

41

PG.11/SP11_SS0/TM1_TGL/CAN0_RXD/UART5_CTS/PWM10/JTAG0_TDO

42

PD.15/UART4_CTS/TM3_EXT/I2C3_SDA/CAN1_TXD/USBH0_DP/PWM03/EBI_DATA4

43

PD.14/UART4_RTS/TM3_TGL/I2C3_SCL/CAN1_RXD/USBH0_DM/PWM02/EBI_DATA3

44

PD.13/UART4_RXD/TM2_EXT/CAN2_TXD/PWM01/EBI_DATA2

45

PD.12/UART4_TXD/TM2_TGL/CAN2_RXD/PWM00/EBI_DATA1

46

PD.11/SP10_MISO/UART6_RXD/TM5_ECNT

47

PD.10/SP10_MOSI/UART6_TXD/TM4_ECNT

48

PD.9/SP10_CLK/UART6_RTS/TM3_ECNT

49

PD.8/SP10_SS0/UART6_CTS/TM2_ECNT

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PD.7/QSPI0_MISO1/UART2_RXD/TM1_ECNT/CAN0_TXD

51

PD.6/QSPI0_MOSI1/UART2_TXD/TM0_ECNT/CAN0_RXD

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PD.5/QSPI0_MISO0/UART3_CTS/TM5_TGL

53

128

VSS

127

USB0_REXT

126

VD33

125

USB0_DP

124

USB0_DM

123

VD12

122

USB1_REXT

121

VD33

120

USB1_DP

119

USB1_DM

118

VD12

117

PE12

116

PE11

115

PE10

114

PE9

113

PE8

112

PE7

111

PE6

110

PE5

109

PE4

108

PE3

107

PE2

106

PE1

105

PE0

104

12M_OUT

103

12M_IN

102

VD33

101

PF12

100

PF11

99

PF10

98

PF9

97

PF8

96

PF7

95

VSS

94

VD12

93

PB13

92

PF6

91

PF5

90

PF4

89

PF3

88

PF2

87

PF1

86

PF0

85

VD33

84

VD18

83

VD18

82

VD12

81

nRST

80

PG15

79

PG14

78

PG13

77

PG12

76

PG11

75

PD15

74

PD14

73

PD13

72

PD12

71

PD11

70

PD10

69

PD9

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PD8

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PD7

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PD6

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PD5

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PB13

PB13

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PF[12:0]

PG[1:0]

PG[1:0]

PG3

PG3

PG[9:5]

PG[9:5]

PG[15:11]

PG[15:11]

32K_IN

32K_IN

32K_OUT

32K_OUT

12M_IN

12M_IN

12M_OUT

12M_OUT

USB0_DM

USB0_DM

USB0_DP

USB0_DP

USB0_REXT

USB0_REXT

USB0_ID

USB0_ID

USB1_DM

USB1_DM

USB1_DP

USB1_DP

USB1_REXT

USB1_REXT

nRST

nRET

VD33_ADC

VD33_ADC

VD33_RTC

VD33_RTC

VD33

VD33

VD18

VD18

VD12

VD12

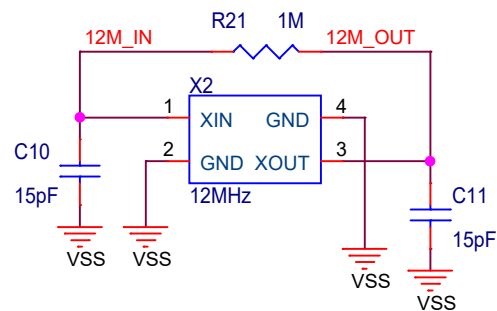
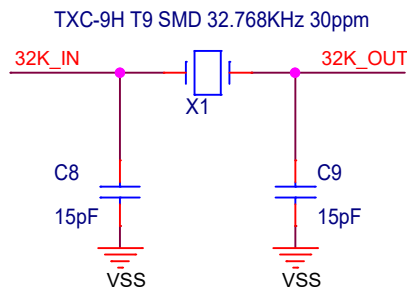
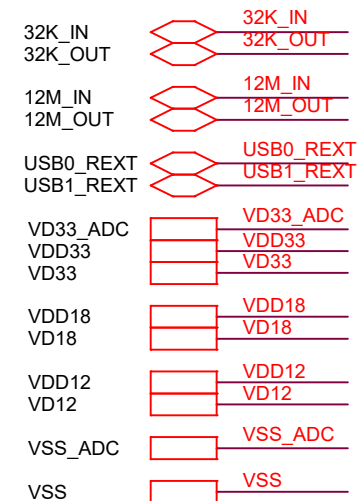
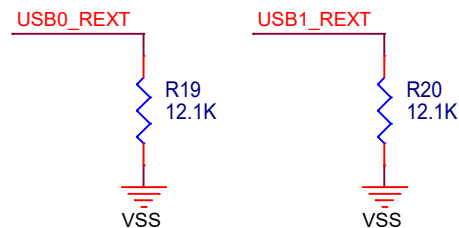
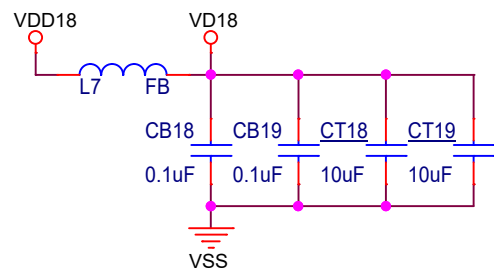
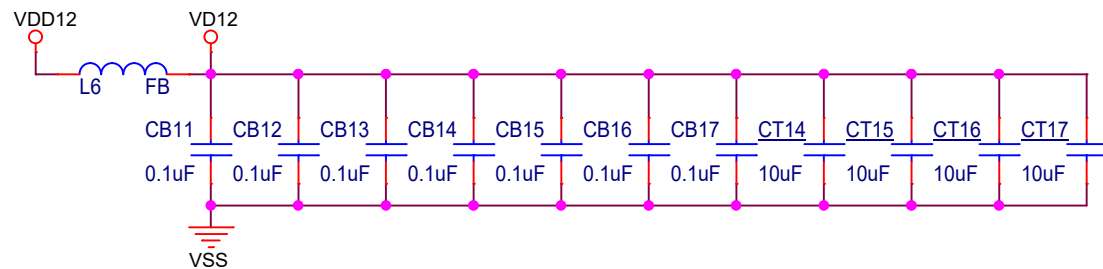
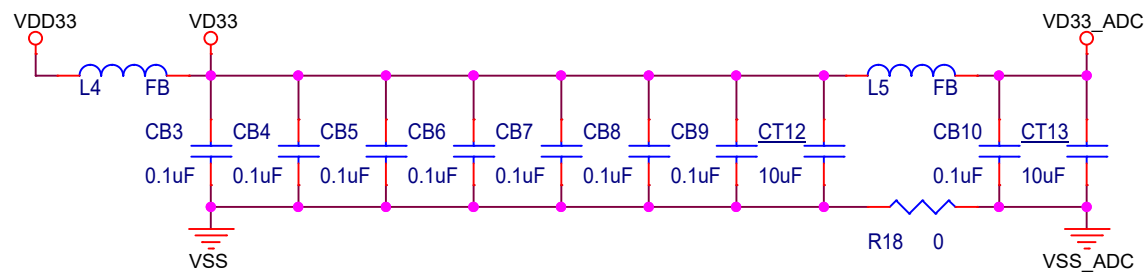
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VSS_ADC

VSS

VSS

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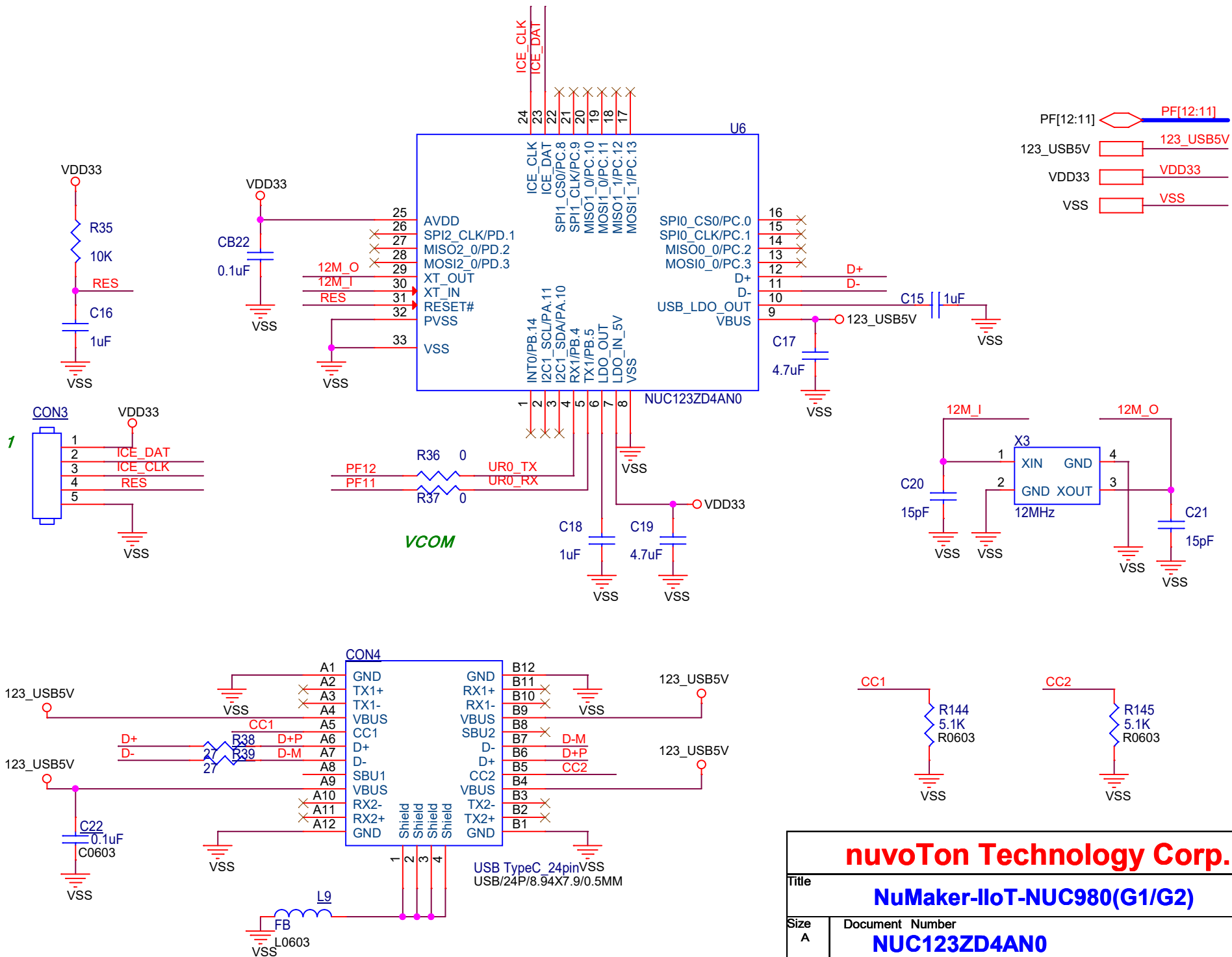
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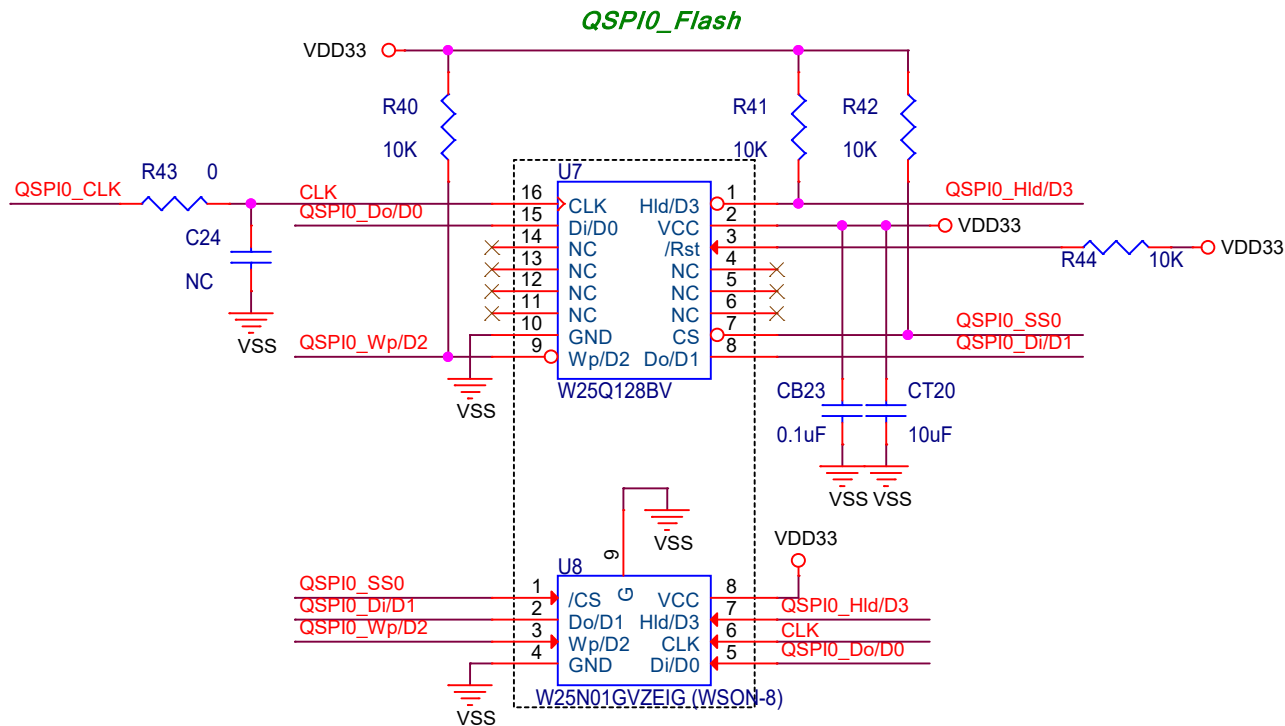
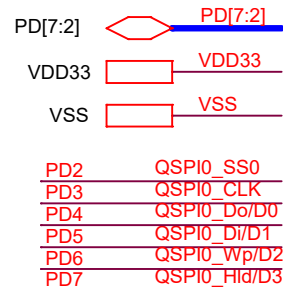
Title
NuMaker-IIoT-NUC980(G1/G2)

Size A Document Number
Power Filter

Rev
1.1

Date: Friday, February 17, 2023 Sheet 5 of 14





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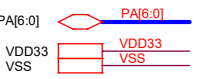
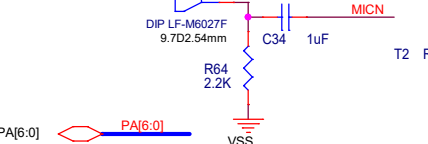
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NuMaker-IIoT-NUC980(G1/G2)

Size A Document Number
SPI Nand Flash

Rev
1.1

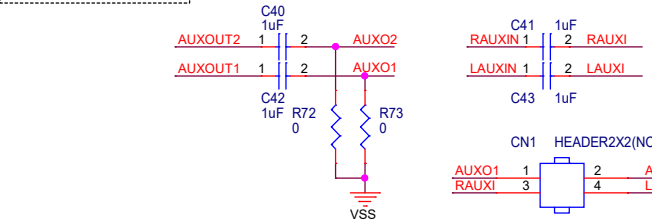
Date: Thursday, March 02, 2023 Sheet 8 of 14

Microphone

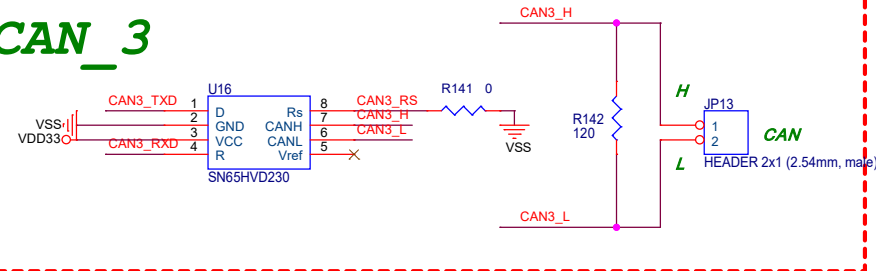


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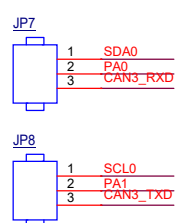
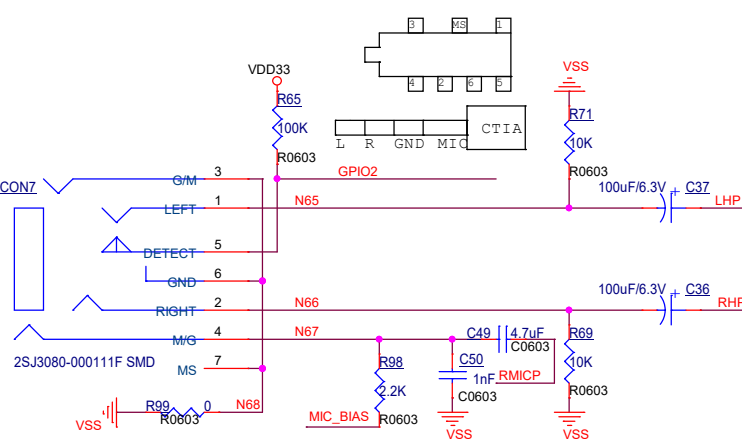
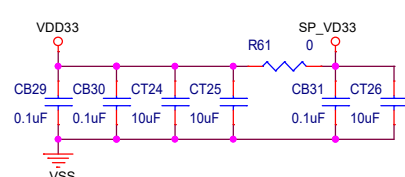
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PA5	I2S_DO
PA4	I2S_DI
PA3	I2S_BCLK
PA2	I2S_LRCK



CAN_3

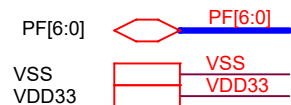


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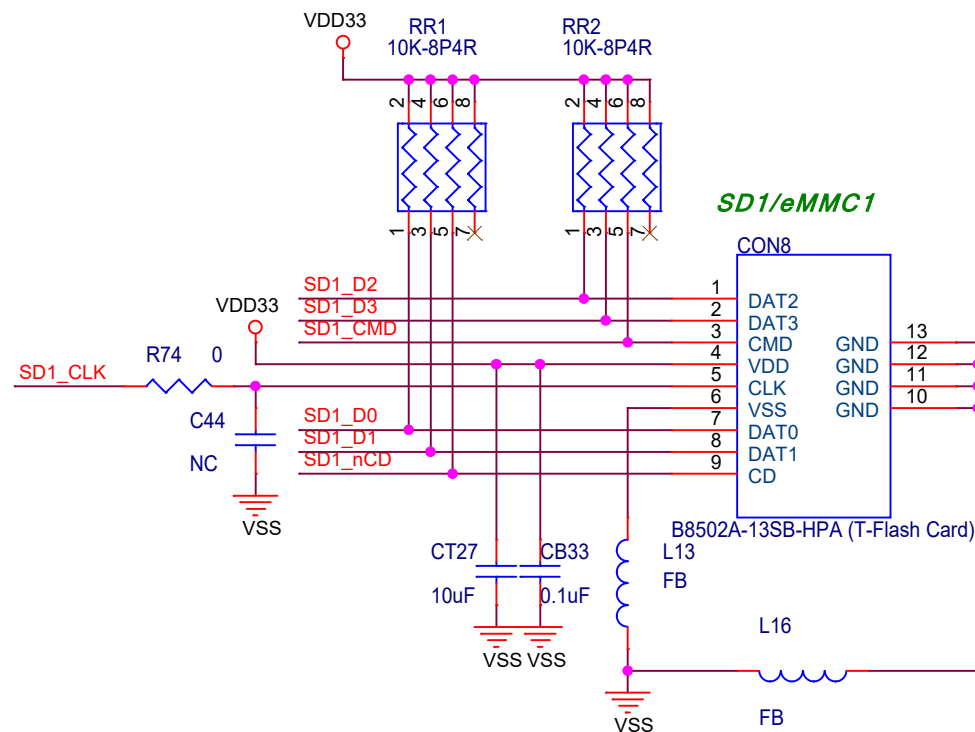


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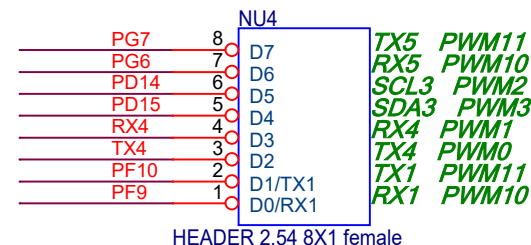
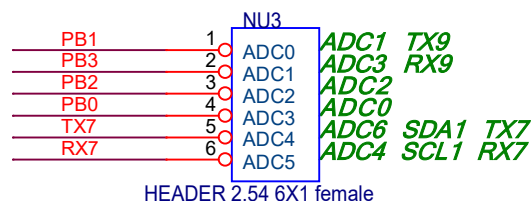
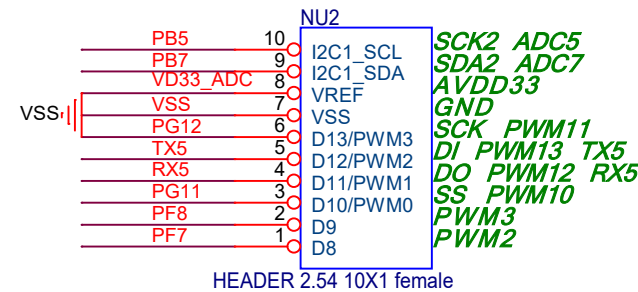
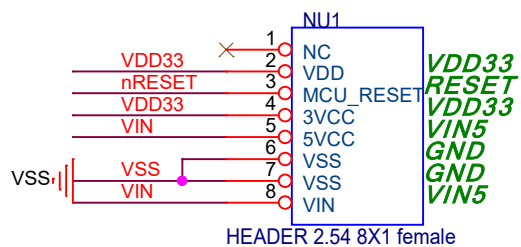
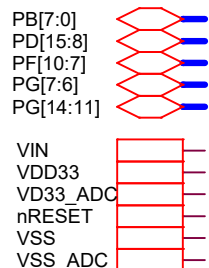
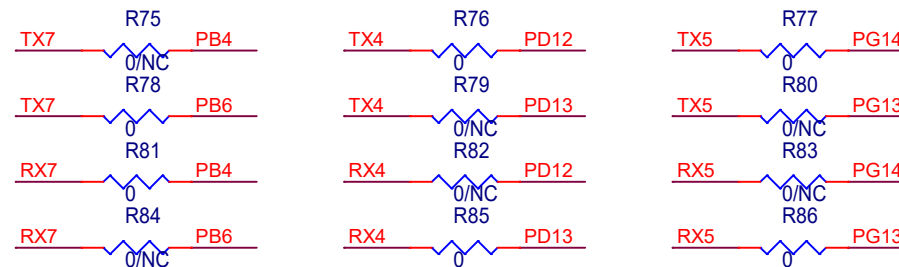
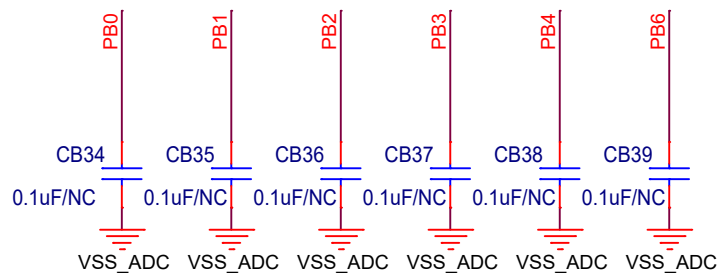
Title			NuMaker-IIoT-NUC980(G1/G2)	
Size B	Document Number		I2S, I2C_0	Rev 1.1
Date:	Thursday, March 02, 2023		Sheet 10	of 14



PF0	SD1_CMD
PF1	SD1_CLK
PF2	SD1_D0
PF3	SD1_D1
PF4	SD1_D2
PF5	SD1_D3
PF6	SD1_nCD



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Title NuMaker-IIoT-NUC980(G1/G2)			
Size A	Document Number SD_Card		Rev 1.1
Date:	Friday, February 17, 2023	Sheet	11 of 14



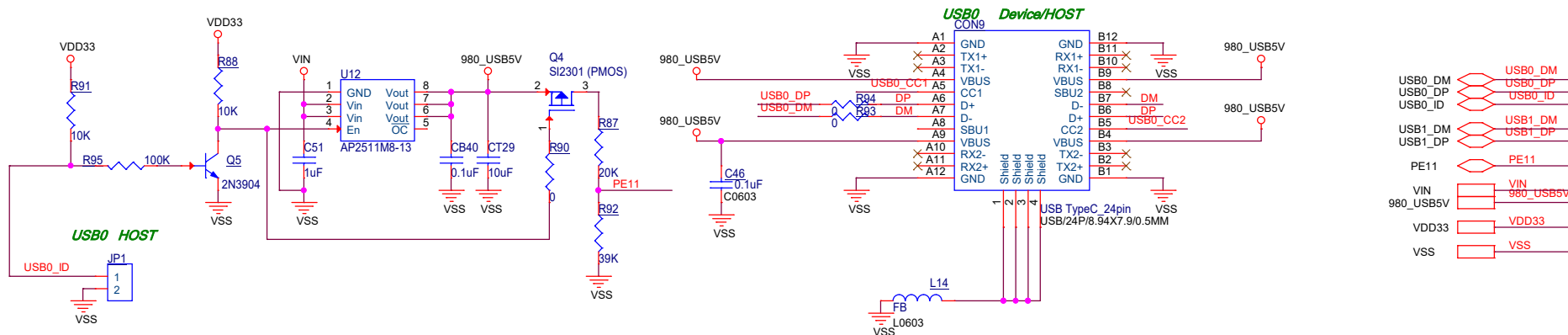
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NuMaker-IIoT-NUC980(G1/G2)

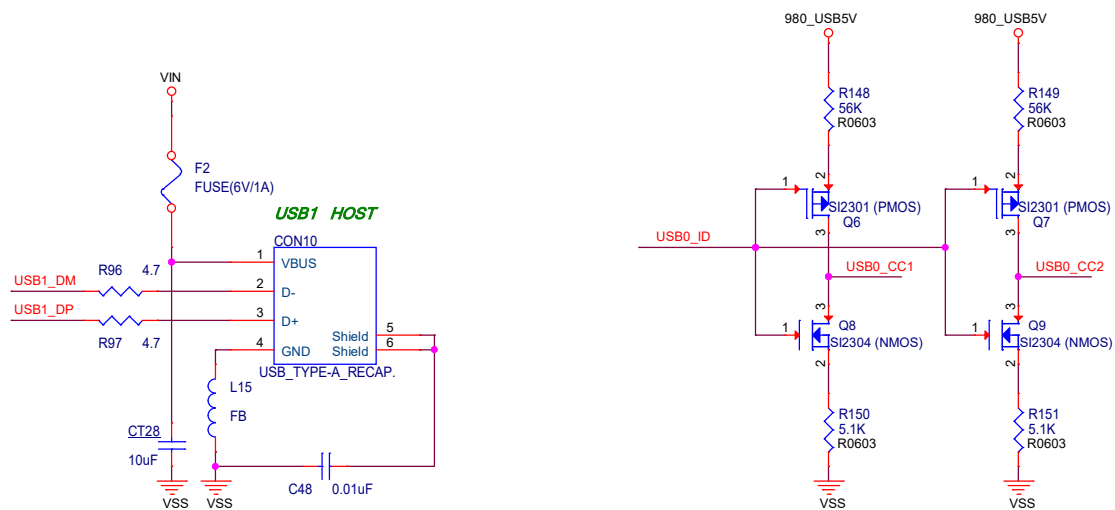
Size A Document Number
Arduino Uno

Rev
1.1

Date: Friday, February 17, 2023 Sheet 12 of 14

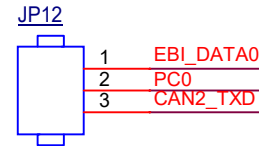
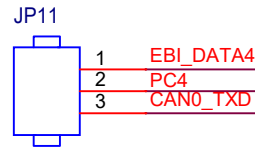
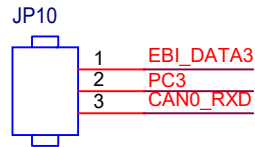
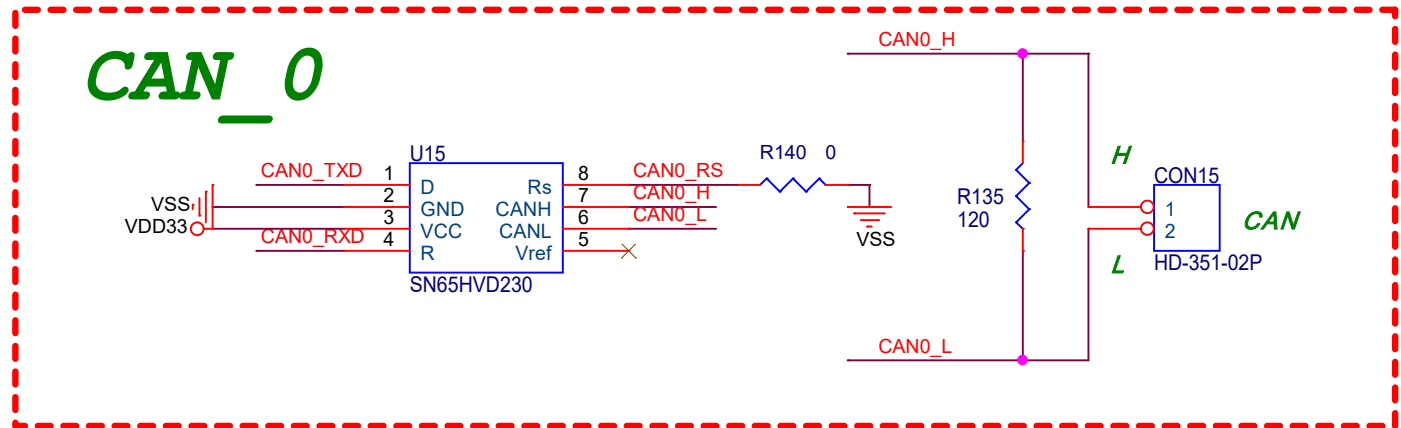
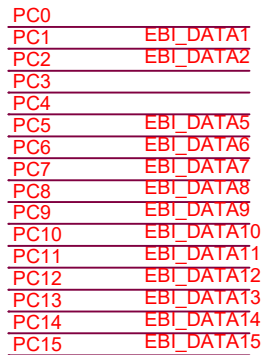
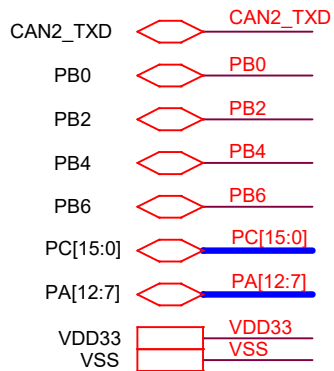


USB 2.0 HIGH SPEED DEVICES Type C Connector

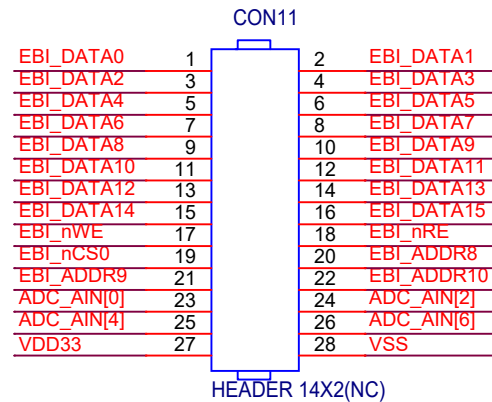


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Title		
NuMaker-IIoT-NUC980(G1/G2)		
Size B	Document Number	Rev
	USB	1.1
Date:	Wednesday, October 25, 2023	Sheet 13 of 14



EBI_Connect



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Title
NuMaker-IIoT-NUC980(G1/G2)

Size
A

Document Number
EBI_Connect

Rev
1.1

Date: Thursday, March 02, 2023

Sheet 14 of 14