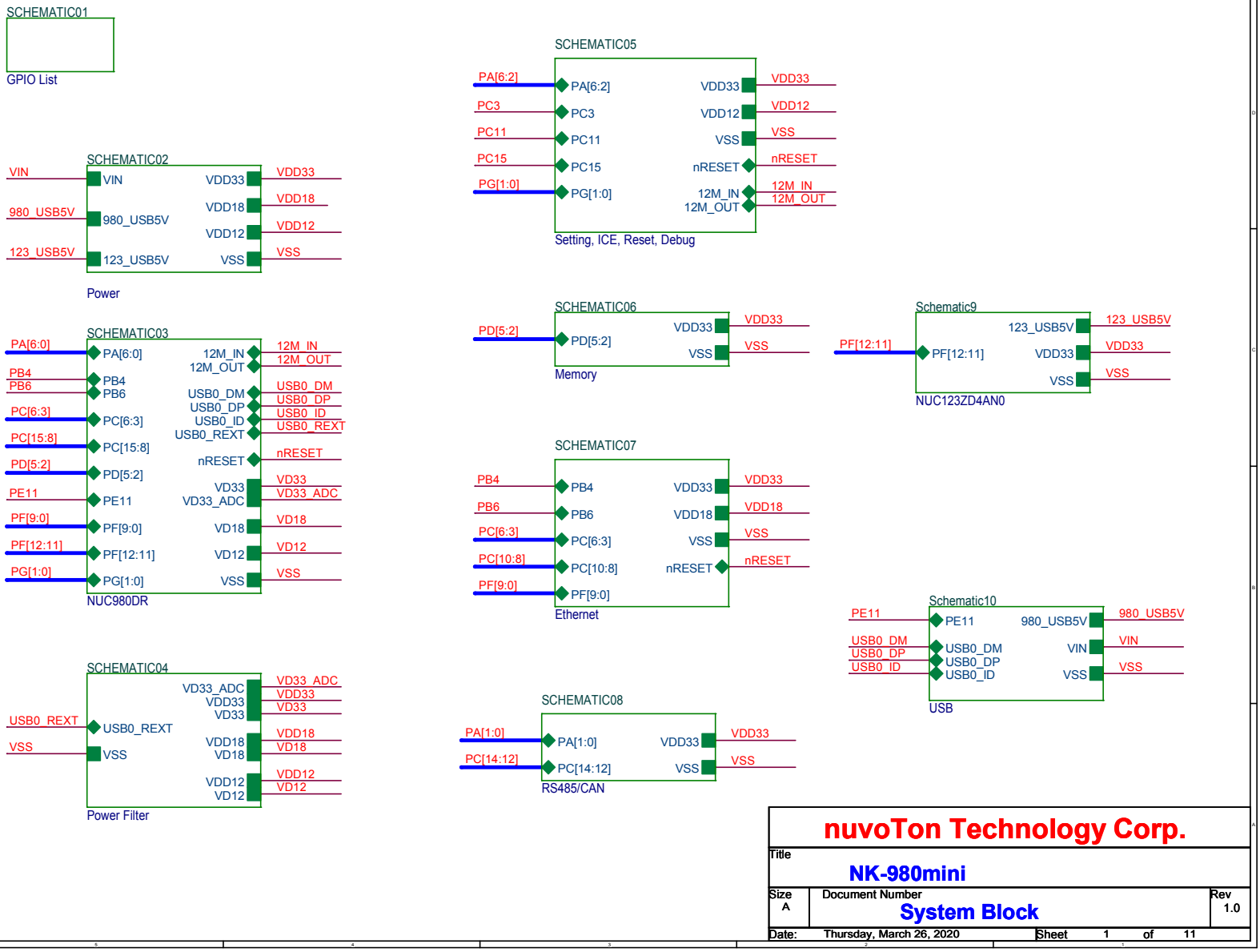
SCHEMATIC01
GPIO List
SCHEMATIC02
VIN
980_USB5V
123_USB5V
VDD33
VDD18
VDD12
VSS
Power
SCHEMATIC03
PA[6:0]
PB4
PB6
PC[6:3]
PC[15:8]
PD[5:2]
PE11
PF[9:0]
PF[12:11]
PG[1:0]
12M_IN
12M_OUT
USB0_DM
USB0_DP
USB0_ID
USB0_REXT
nRESET
VD33
VD33_ADC
VD18
VD12
NUC980DR
SCHEMATIC04
USB0_REXT
VD33_ADC
VD33
VD18
VD12
Power Filter
SCHEMATIC05
PC3
PC11
PC15
nRESET
Setting, ICE, Reset, Debug
SCHEMATIC06
Memory
Schematic9
NUC123ZD4AN0
SCHEMATIC07
Ethernet
Schematic10
USB
SCHEMATIC08
RS485/CAN
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PIN	FUNCTION
PA0	CAN3_RXD
PA1	CAN3_TXD
PA2	JTAG1_TDO
PA3	JTAG1_TCK
PA4	JTAG1_TMS
PA5	JTAG1_TDI
PA6	JTAG1_nTRST

PIN	FUNCTION
PB4	I2C1_SCL
PB6	I2C1_SDA

PIN	FUNCTION
PC3	LED_G
PC4	SPI0_DO
PC5	SPI0_SS0
PC6	SPI0_CLK
PC8	SPI0_DI
PC9	UART4_TXD
PC10	UART4_RXD
PC11	LED_G
PC12	UART8_TXD
PC13	UART8_RXD
PC14	UART8_RTS
PC15	button

PIN	FUNCTION
PD2	QSPI0_SS0
PD3	QSPI0_CLK
PD4	QSPI0_DO
PD5	QSPI0_DI

PIN	FUNCTION
PE11	USB0_VBUSVLD

PIN	FUNCTION
PF0	RMII1_RXERR
PF1	RMII1_CRSDV
PF2	RMII1_RXD1
PF3	RMII1_RXD0
PF4	RMII1_REFCLK
PF5	RMII1_TXEN
PF6	RMII1_TXD1
PF7	RMII1_TXD0
PF8	RMII1_MDIO
PF9	RMII1_MDC
PF11	UART0_RXD
PF12	UART0_TXD

PIN	FUNCTION
PG0	CFG[0]
PG1	CFG[1]

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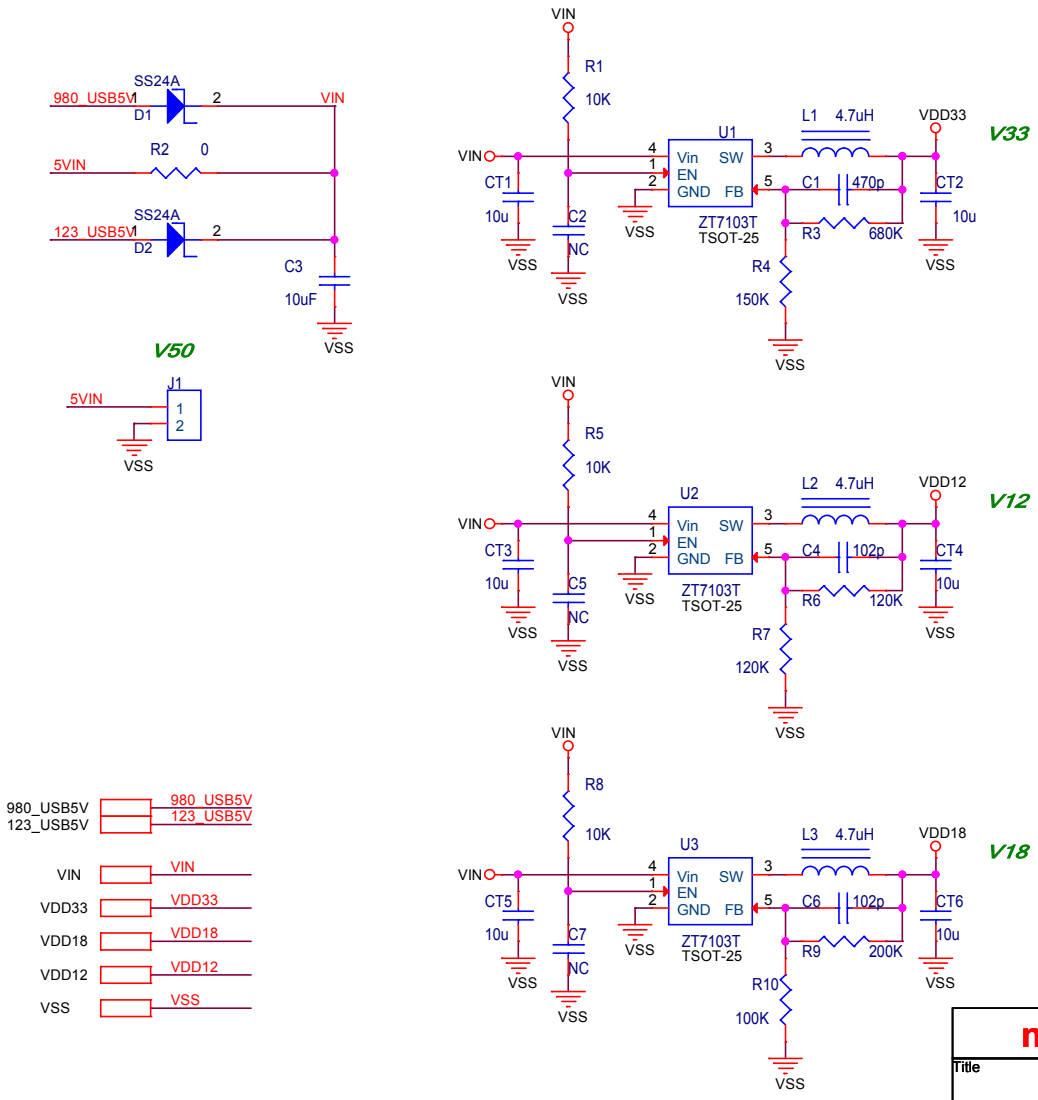

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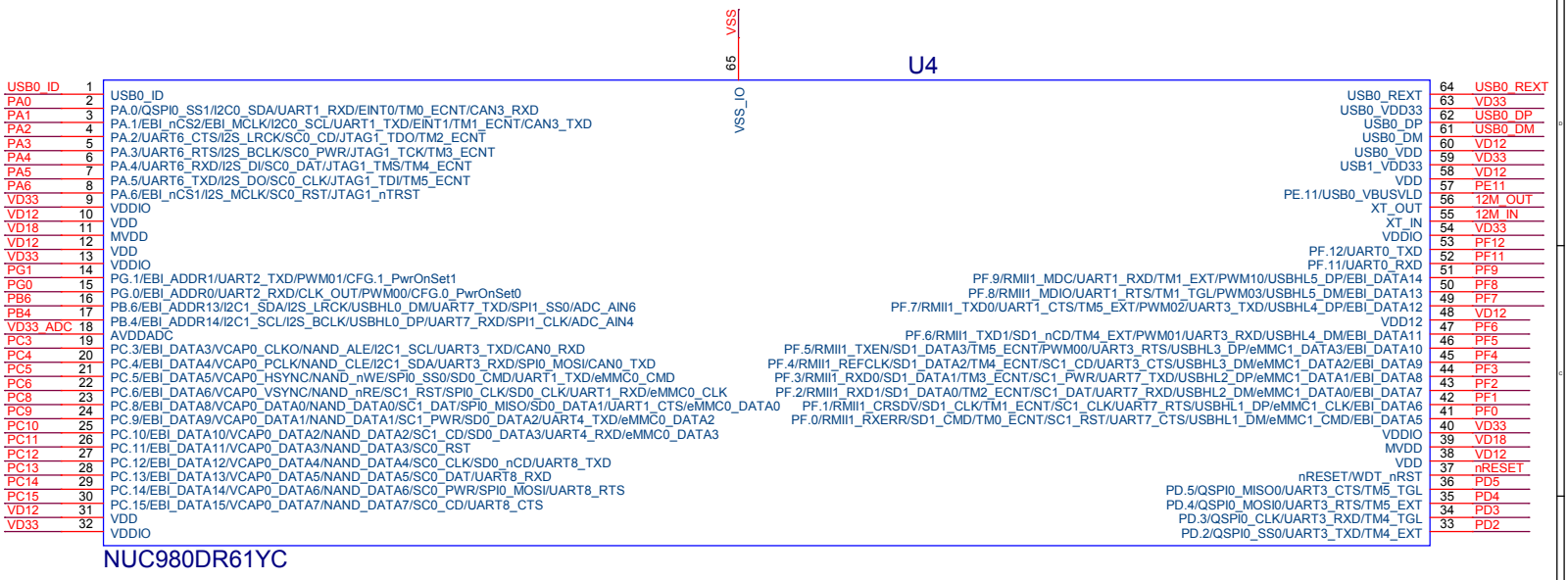

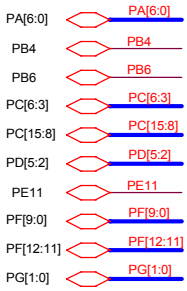

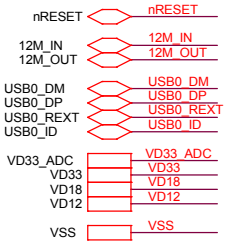

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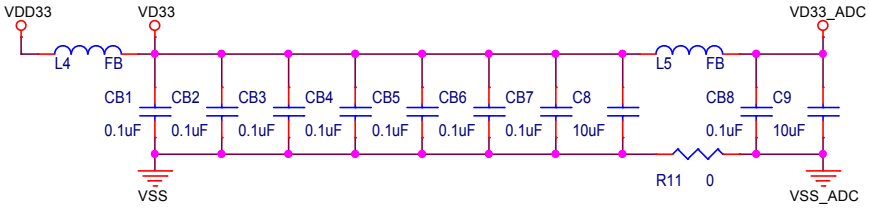

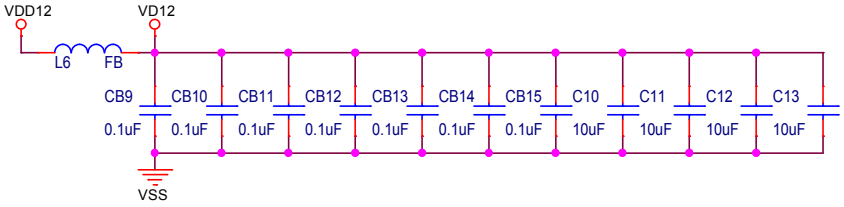

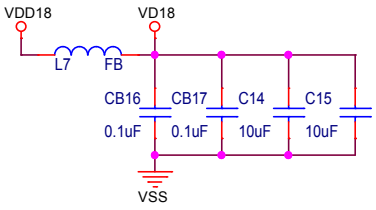

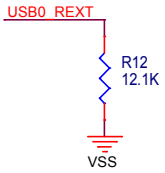

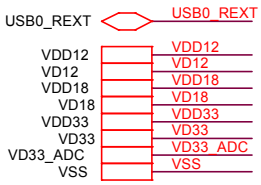

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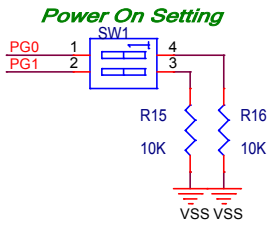
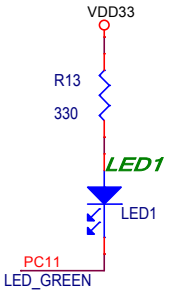
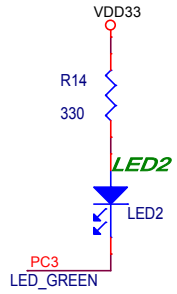
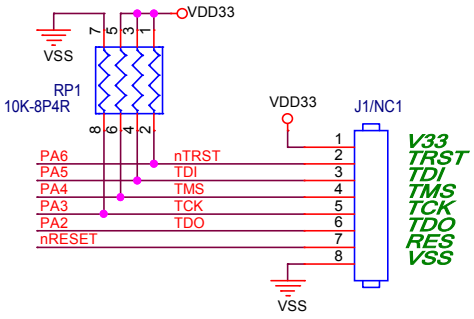
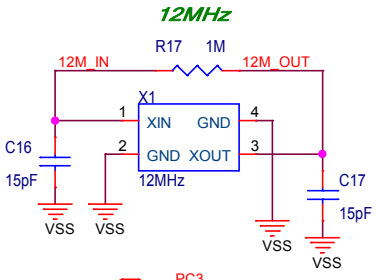
PG1	PG0	Booting from
ON(0)	ON(0)	USB
OFF(1)	OFF(1)	QSPI Flash 0

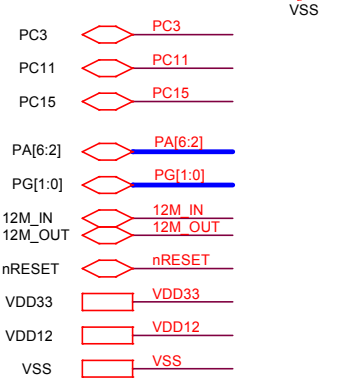


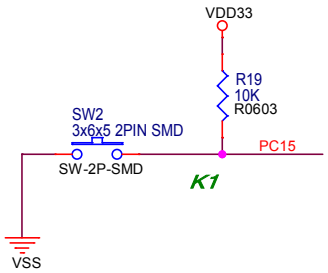


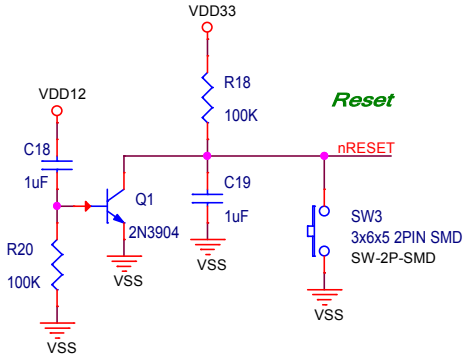












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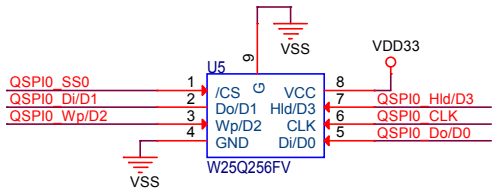

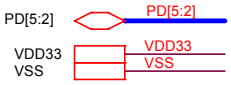

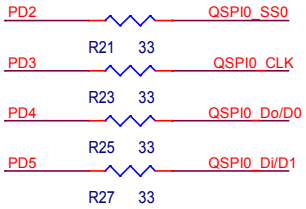

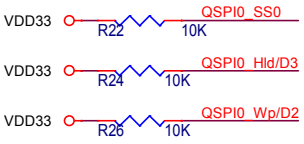

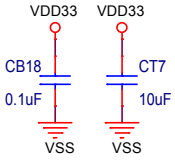

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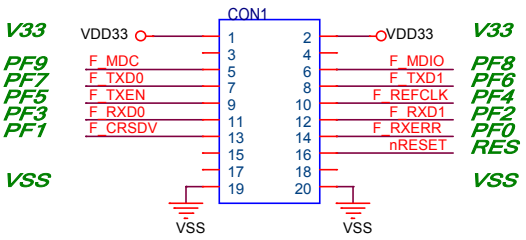
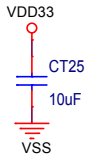
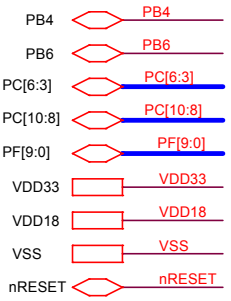
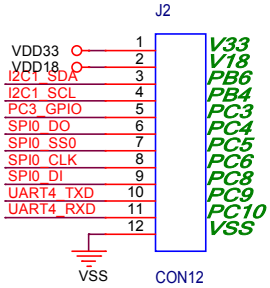
PB6	I2C1_SDA
PB4	I2C1_SCL
PC3	PC3_GPIO
PC4	SPI0_DO
PC5	SPI0_SS0
PC6	SPI0_CLK
PC8	SPI0_DI
PC9	UART4_TXD
PC10	UART4_RXD
PF0	F_RXERR
PF1	F_CRSDV
PF2	F_RXD1
PF3	F_RXD0
PF4	F_REFCLK
PF5	F_TXEN
PF6	F_TXD1
PF7	F_TXD0
PF8	F_MDIO
PF9	F_MDC

Ethernet









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Title	NK-980mini	
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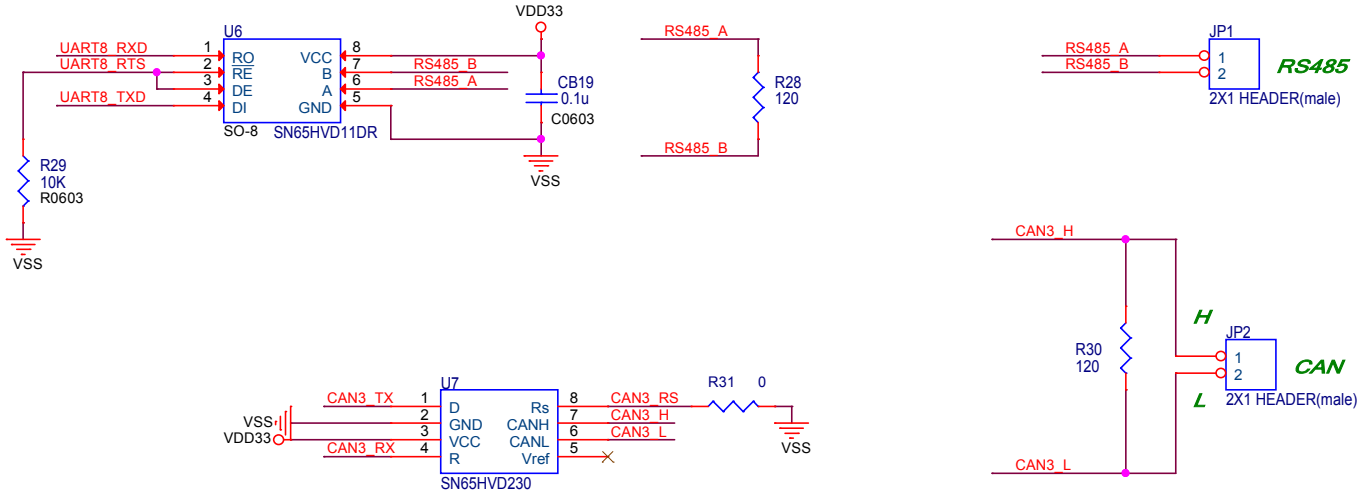

PA0 CAN3_RX

PA1 CAN3_TX

PC12 UART8_TXD

PC13 UART8_RXD

PC14 UART8_RTS

PA[1:0] PA[1:0]

PC[14:12] PC[14:12]

VDD33 VDD33

VSS VSS

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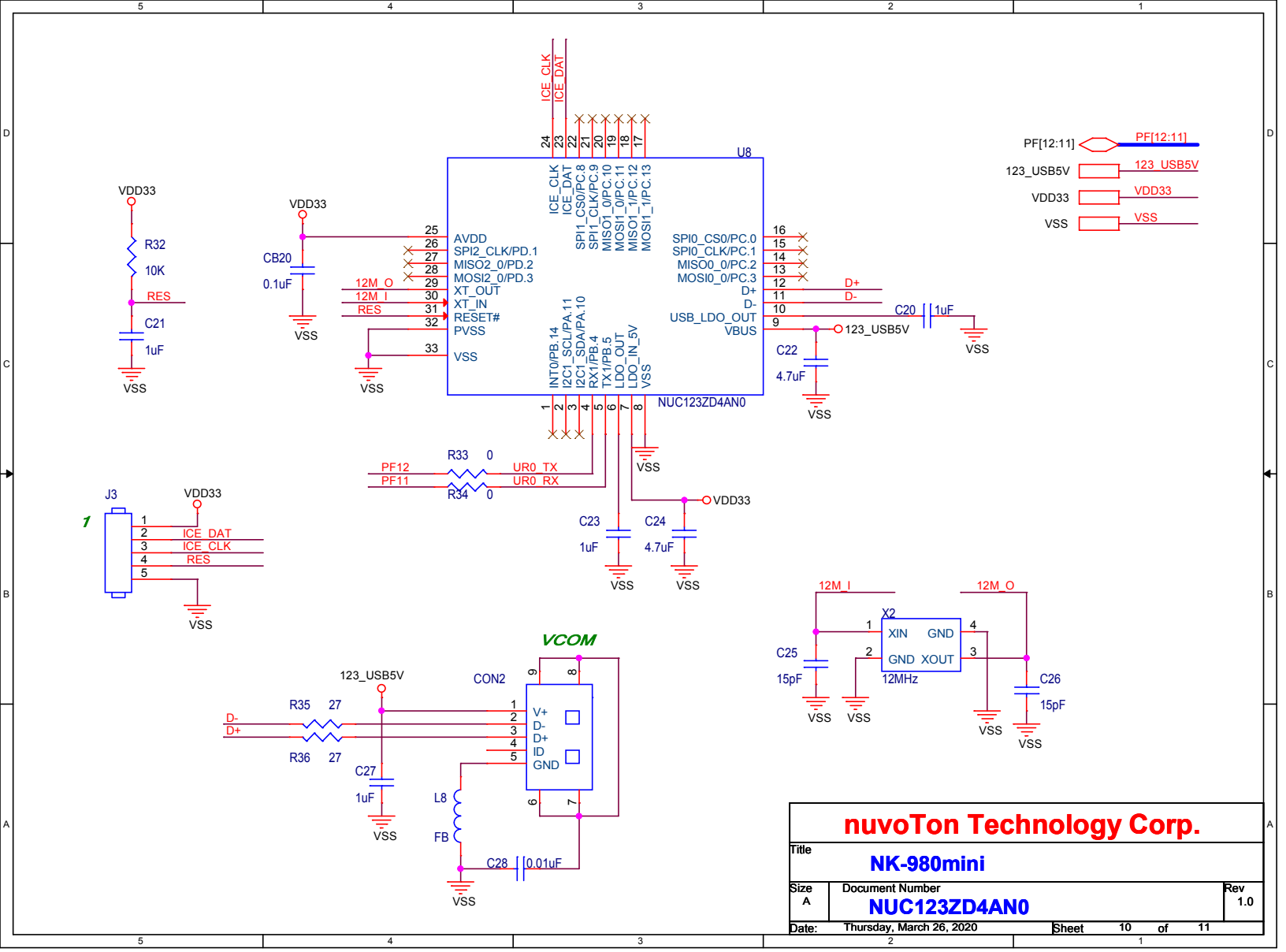

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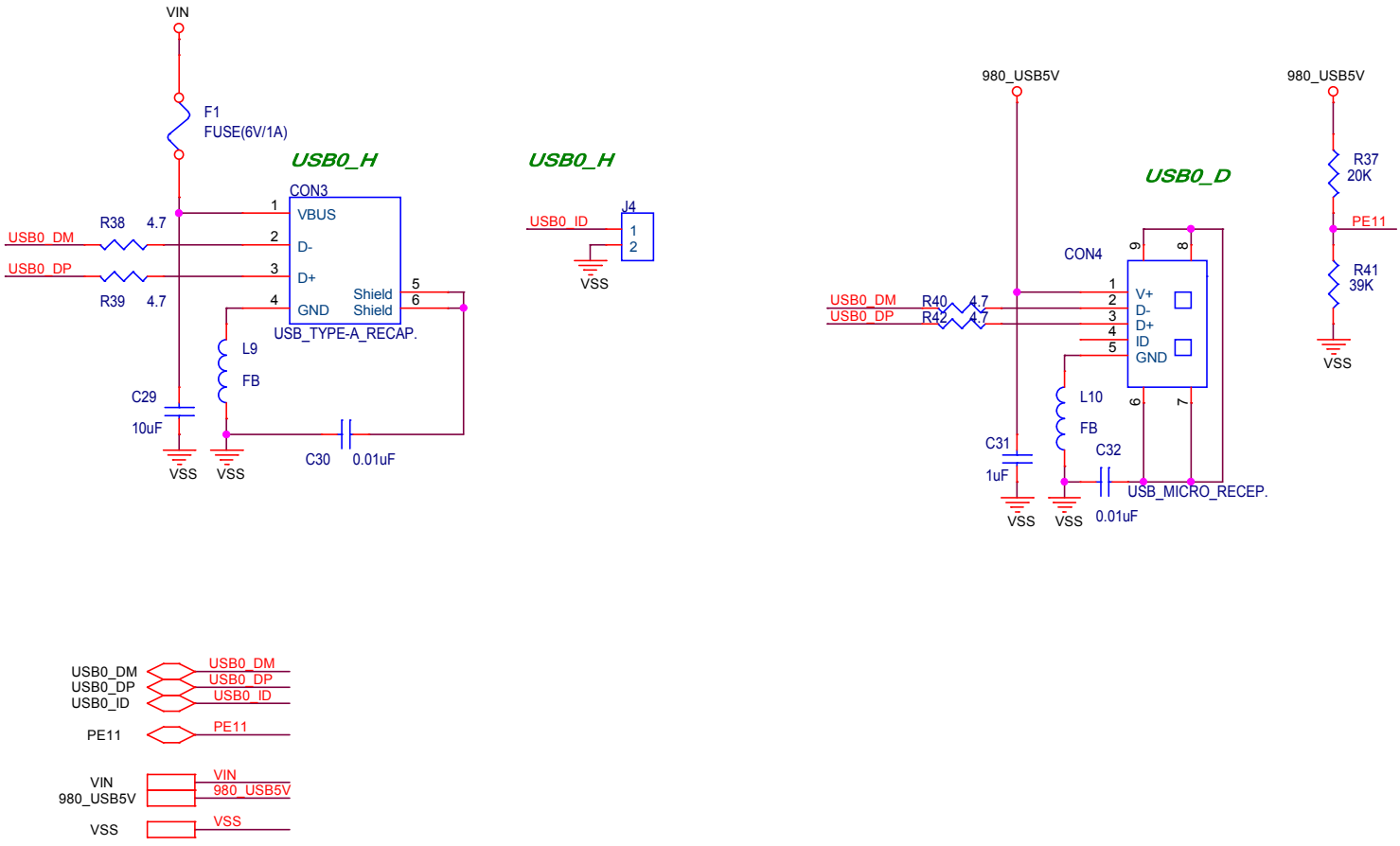

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Title: NK-980mini		
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