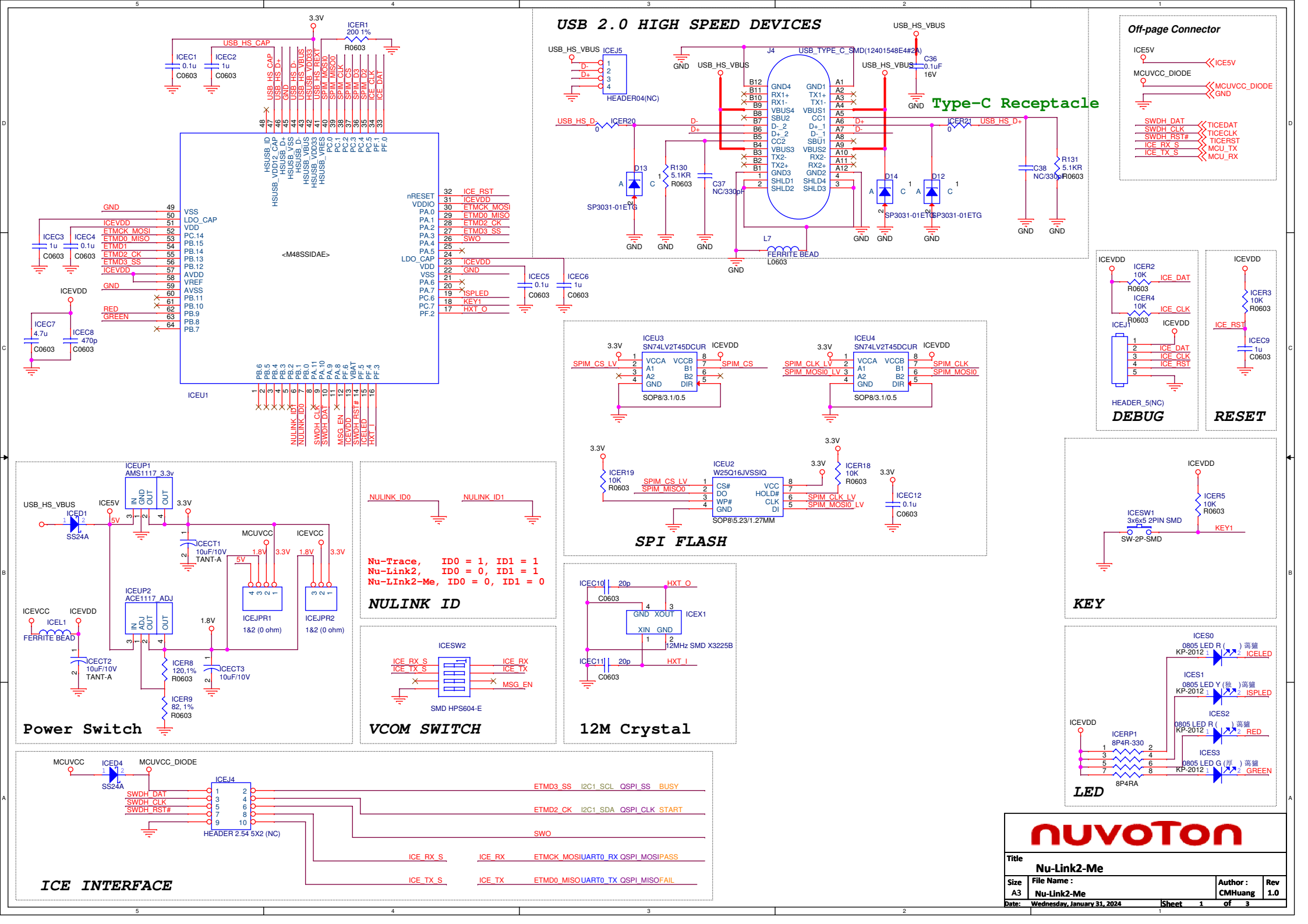
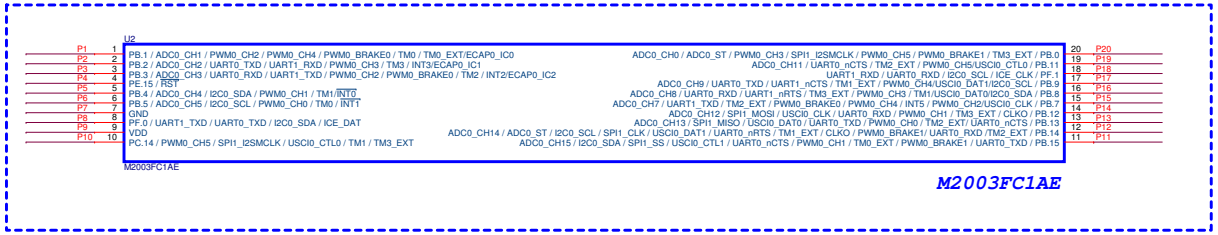
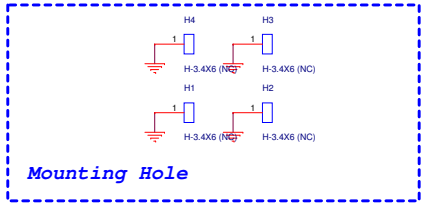
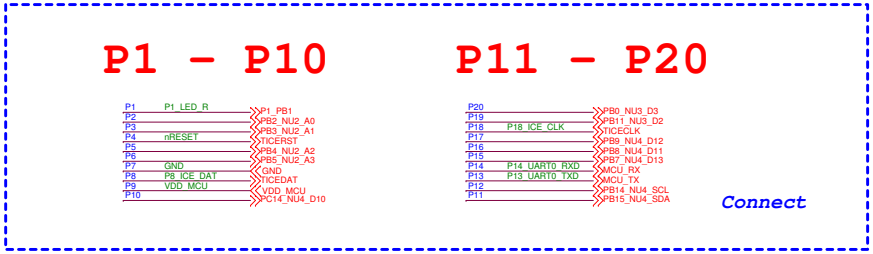

USB 2.0 HIGH SPEED DEVICES
Type-C Receptacle
Off-page Connector
ICE5V
MCUVCC_DIODE
GND
SWDH_DAT
SWDH_CLK
SWDH_RST#
ICE_RX_S
ICE_TX_S
TICEDAT
TICECLK
TICERST
MCU_TX
MCU_RX
USB_HS_VBUS
ICEJ5
HEADER04(NC)
J4
USB_TYPE_C_SMD(12401548E4#2A)
C36
0.1uF
16V
ICER20
ICER21
D13
D14
D12
SP3031-01ETG
R130
5.1KR
R0603
C37
NC/330pF
C38
NC/330pF
R131
5.1KR
R0603
L7
FERRITE BEAD
L0603
ICER1
200 1%
R0603
ICEC1
0.1u
C0603
ICEC2
1u
C0603
USB_HS_CAP
<M48SSIDAE>
ICEU1
ICEC3
1u
C0603
ICEC4
0.1u
C0603
ICEC7
4.7u
C0603
ICEC8
470p
C0603
ICEC5
0.1u
C0603
ICEC6
1u
C0603
ICEVDD
ICE_RST
ETMCK_MOSI
ETMD0_MISO
ETMD2_CK
ETMD3_SS
SWO
ISPLED
KEY1
HXT_O
ICEU3
SN74LV2T45DCUR
SOP8/3.1/0.5
ICEU4
SN74LV2T45DCUR
SOP8/3.1/0.5
SPIM_CS_LV
SPIM_CS
SPIM_CLK_LV
SPIM_MOSI0_LV
SPIM_CLK
SPIM_MOSI0
ICEU2
W25Q16JVSSIQ
SOP8\5.23/1.27MM
ICER19
10K
R0603
ICER18
10K
R0603
ICEC12
0.1u
C0603
SPI FLASH
ICEJ1
HEADER_5(NC)
DEBUG
ICER2
10K
R0603
ICER4
10K
R0603
ICER3
10K
R0603
ICEC9
1u
C0603
RESET
ICESW1
3x6x5 2PIN SMD
SW-2P-SMD
ICER5
10K
R0603
KEY
ICEUP1
AMS1117_3.3v
ICED1
SS24A
ICECT1
10uF/10V
TANT-A
ICEUP2
ACE1117_ADJ
ICEL1
FERRITE BEAD
ICECT2
10uF/10V
TANT-A
ICER8
120,1%
R0603
ICER9
82, 1%
R0603
ICECT3
10uF/10V
ICEJPR1
1&2 (0 ohm)
ICEJPR2
1&2 (0 ohm)
Power Switch
NULINK_ID0
NULINK_ID1
Nu-Trace, ID0 = 1, ID1 = 1
Nu-Link2, ID0 = 0, ID1 = 1
Nu-LInk2-Me, ID0 = 0, ID1 = 0
NULINK ID
ICESW2
SMD HPS604-E
VCOM SWITCH
ICEC10
20p
C0603
ICEX1
12MHz SMD X3225B
ICEC11
20p
C0603
12M Crystal
ICES0
0805 LED R
KP-2012
ICELED
ICES1
0805 LED Y
KP-2012
ISPLED
ICES2
0805 LED R
KP-2012
RED
ICES3
0805 LED G
KP-2012
GREEN
ICERP1
8P4R-330
8P4RA
LED
ICED4
SS24A
MCUVCC_DIODE
ICEJ4
HEADER 2.54 5X2 (NC)
ETMD3_SS I2C1_SCL QSPI_SS BUSY
ETMD2_CK I2C1_SDA QSPI_CLK START
SWO
ICE_RX_S ICE_RX ETMCK_MOSI UART0_RX QSPI_MOSI PASS
ICE_TX_S ICE_TX ETMD0_MISO UART0_TX QSPI_MISO FAIL
ICE INTERFACE
nuvoTon
Title
Nu-Link2-Me
Size
A3
File Name :
Nu-Link2-Me
Author :
CMHuang
Rev
1.0
Date: Wednesday, January 31, 2024
Sheet 1 of 3



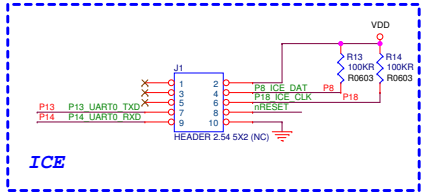
M2003FC1AE



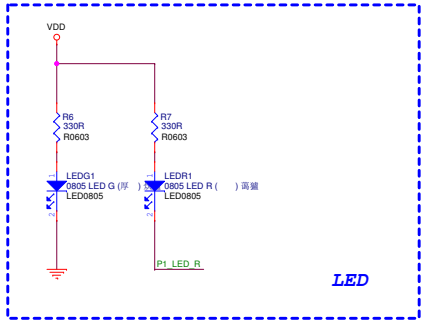
Mounting Hole



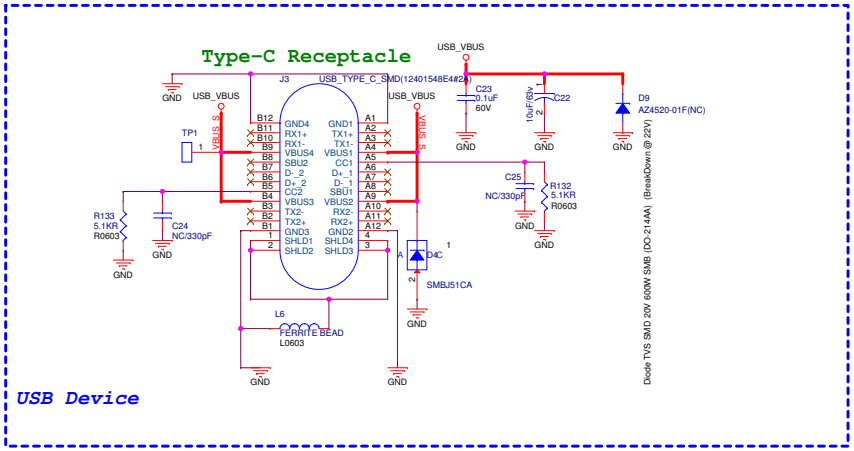
Connect



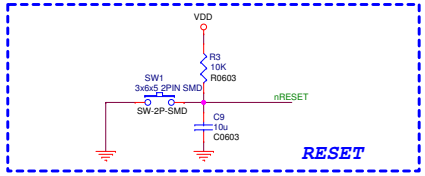
ICE



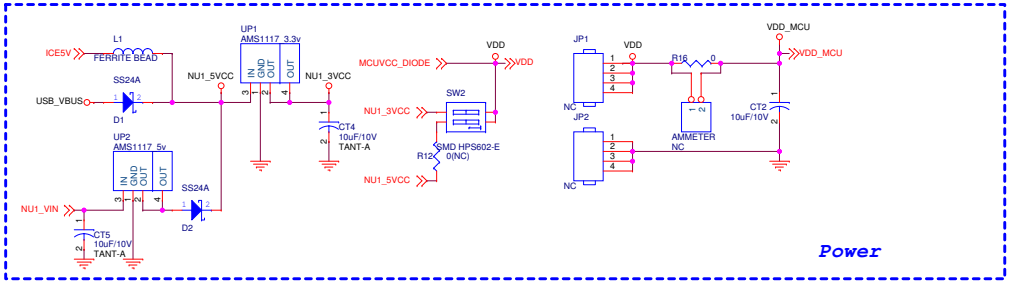
LED



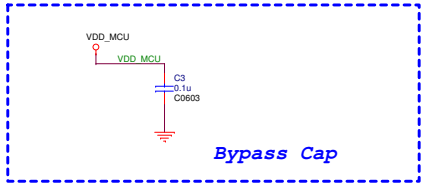
USB Device



RESET



Power



Bypass Cap

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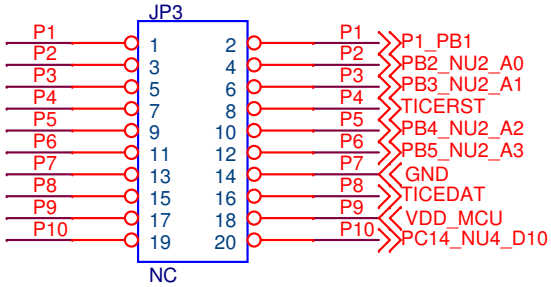
Title	NuMaker-M2003FC	
Size: Custom	Document Number: M2003FC1AE	Rev: v1.1
Date: Friday, February 02, 2024	Sheet 2 of 3	

P1 - P10



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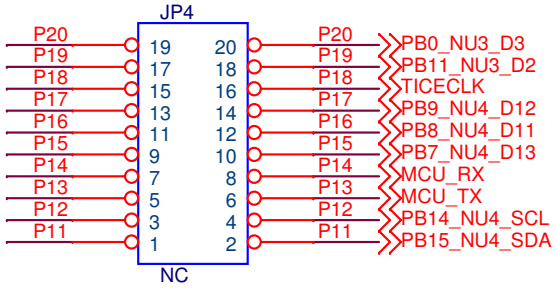
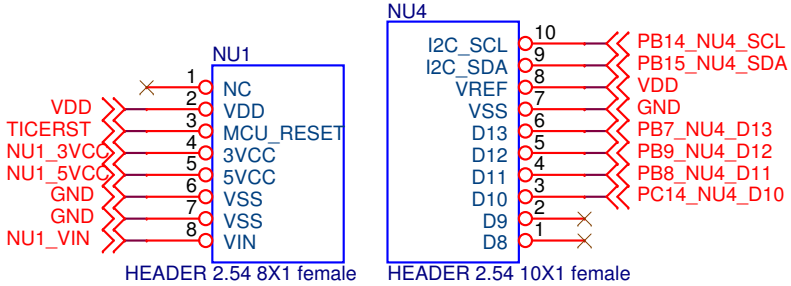
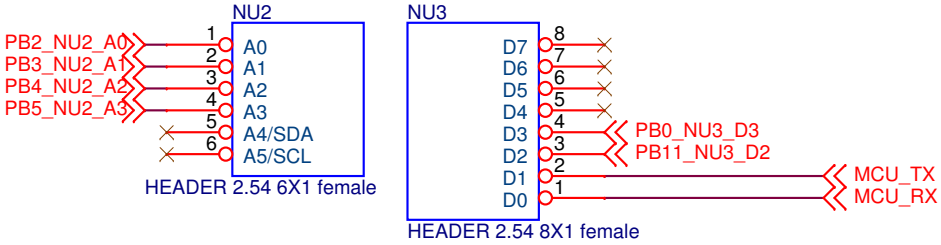


External Connector





UNO Interface

nuvoTon

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Size: Custom	Document Number: Ext. Connector	Rev: v1.1
Date: Thursday, February 01, 2024	Sheet 3 of 3	