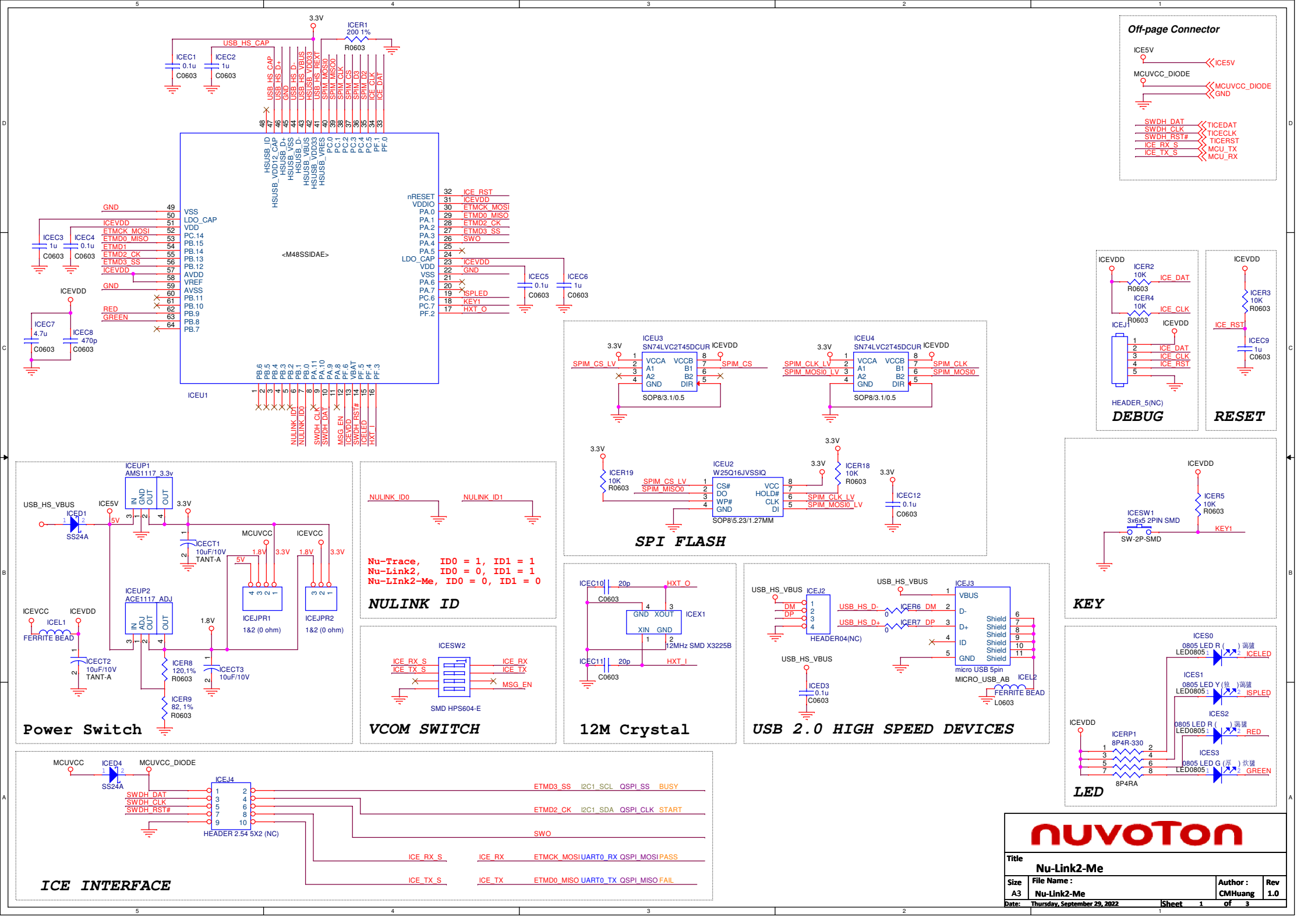
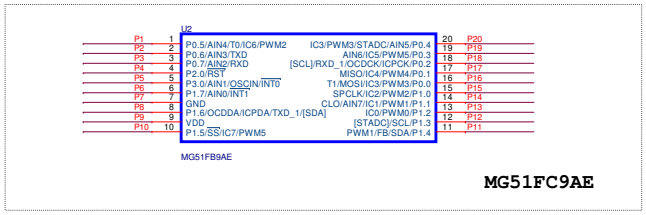

Off-page Connector
ICE5V
MCUVCC_DIODE
SWDH_DAT
SWDH_CLK
SWDH_RST#
ICE_RX_S
ICE_TX_S
TICEDAT
TICECLK
TICERST
MCU_TX
MCU_RX
<M48SSIDAE>
ICEU1
3.3V
ICER1
200 1%
R0603
USB_HS_CAP
ICEC1
0.1u
C0603
ICEC2
1u
C0603
ICEC3
1u
C0603
ICEC4
0.1u
C0603
ICEC5
0.1u
C0603
ICEC6
1u
C0603
ICEC7
4.7u
C0603
ICEC8
470p
C0603
ICEVDD
GND
RED
GREEN
ICE_RST
ICEVDD
ETMCK_MOSI
ETMD0_MISO
ETMD1
ETMD2_CK
ETMD3_SS
SWO
ISPLED
KEY1
HXT_O
HXT_I
NULINK_ID0
NULINK_ID1
SWDH_CLK
SWDH_DAT
MSG_EN
ICELED
SPIM_MOSI0
SPIM_MISO0
SPIM_CS
SPIM_CLK
SPIM_D3
SPIM_D2
ICE_CLK
ICE_DAT
SPIM_CS_LV
SPIM_CLK_LV
SPIM_MOSI0_LV
ICEU3
SN74LVC2T45DCUR
ICEU4
SN74LVC2T45DCUR
SOP8/3.1/0.5
ICEJ1
HEADER_5(NC)
DEBUG
ICER2
10K
R0603
ICER3
10K
R0603
ICER4
10K
R0603
ICEC9
1u
C0603
RESET
ICEU2
W25Q16JVSSIQ
SOP8\5.23/1.27MM
ICER18
10K
R0603
ICER19
10K
R0603
ICEC12
0.1u
C0603
SPI FLASH
ICESW1
3x6x5 2PIN SMD
SW-2P-SMD
ICER5
10K
R0603
KEY
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
ICEUP1
AMS1117_3.3v
USB_HS_VBUS
ICED1
SS24A
ICECT1
10uF/10V
TANT-A
MCUVCC
ICEVCC
1.8V
3.3V
5V
ICEUP2
ACE1117_ADJ
ICEJPR1
1&2 (0 ohm)
ICEJPR2
1&2 (0 ohm)
ICEVCC
ICEL1
FERRITE BEAD
ICECT2
10uF/10V
TANT-A
ICECT3
10uF/10V
ICER8
120,1%
R0603
ICER9
82, 1%
R0603
Power Switch
ICESW2
ICE_RX_S
ICE_TX_S
ICE_RX
ICE_TX
MSG_EN
SMD HPS604-E
VCOM SWITCH
ICEC10
20p
C0603
ICEC11
20p
C0603
GND_XOUT
XIN_GND
ICEX1
12MHz SMD X3225B
12M Crystal
USB_HS_VBUS
ICEJ2
HEADER04(NC)
ICER6_DM
ICER7_DP
ICEJ3
micro USB 5pin
MICRO_USB_AB
ICED3
0.1u
C0603
ICEL2
FERRITE BEAD
L0603
USB 2.0 HIGH SPEED DEVICES
ICES0
ICES1
ICES2
ICES3
LED0805
ICELED
ISPLED
RED
GREEN
ICERP1
8P4R-330
8P4RA
LED
MCUVCC
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:
Thursday, September 29, 2022
Sheet
1
of
3



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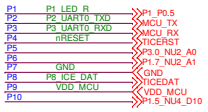

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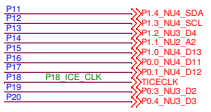
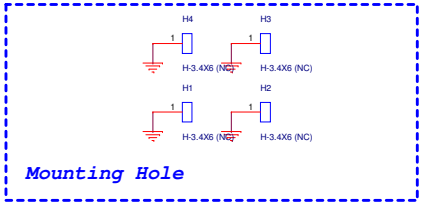
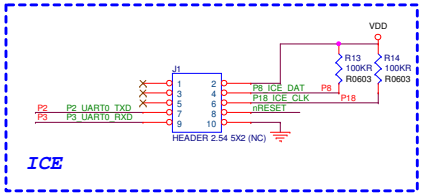
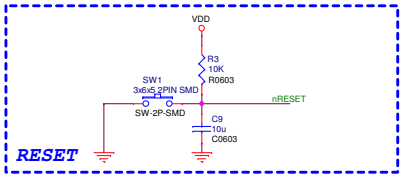
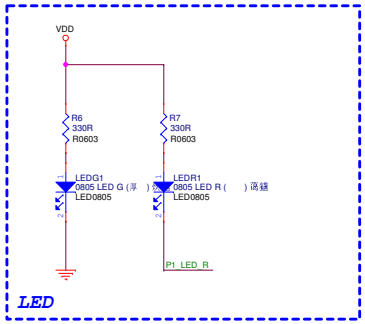
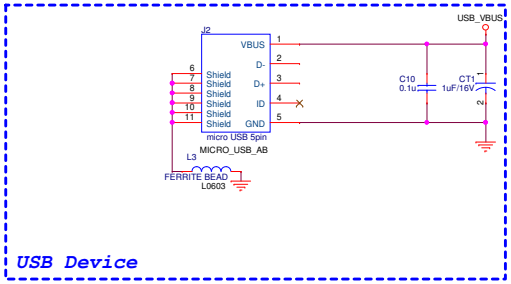


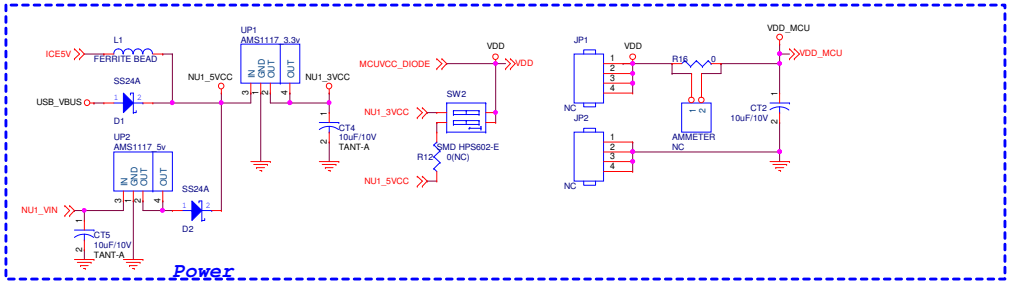


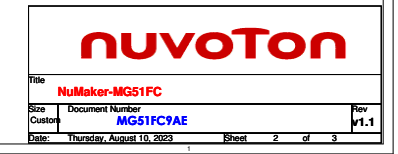






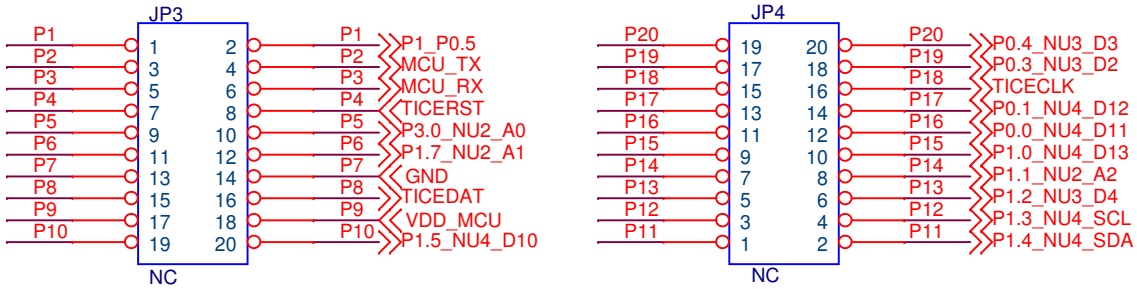






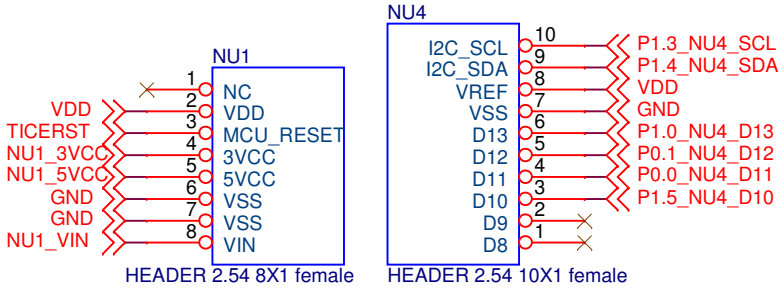
P1 - P10

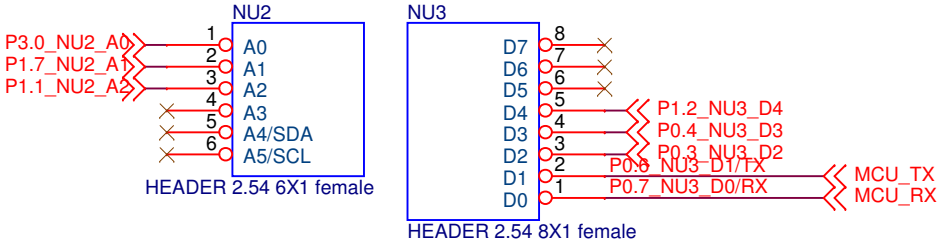
P11 - P20



External Connector

GPIO





UNO Interface

nuvoTon

Title: NuMaker-MG51FC		
Size: Custom	Document Number: Ext. Connector	Rev: v1.1
Date: Thursday, August 10, 2023	Sheet 3 of 3	