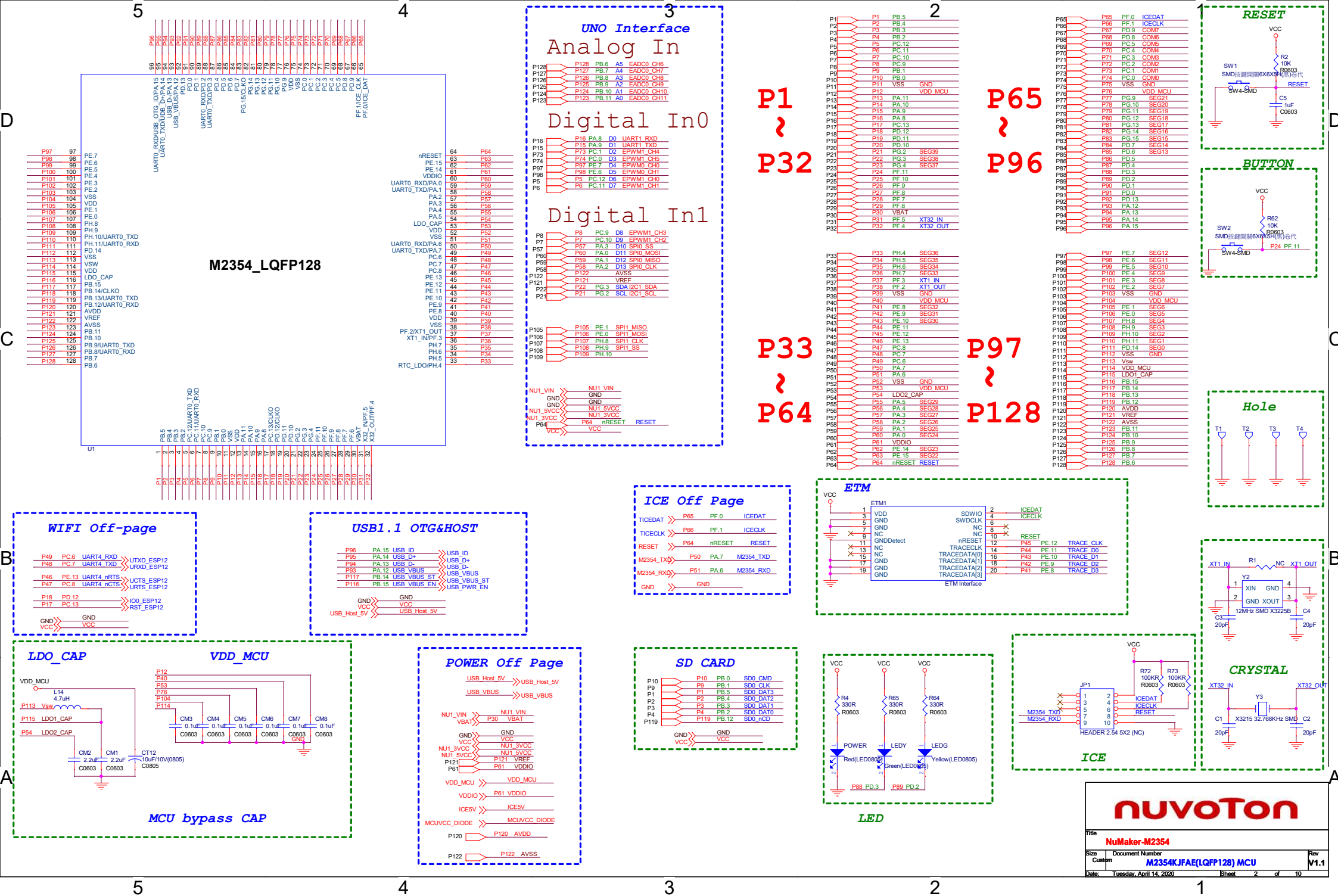


<b>nuvoTon</b>			
Title: Nu-Link2-Me			
Size: A3	File Name: Nu-Link2-Me	Author: CACHEN	Rev: 1.0
Date: Friday, May 22, 2020	Sheet: 1	of: 3	





**USB1.1 OTG&HOST**

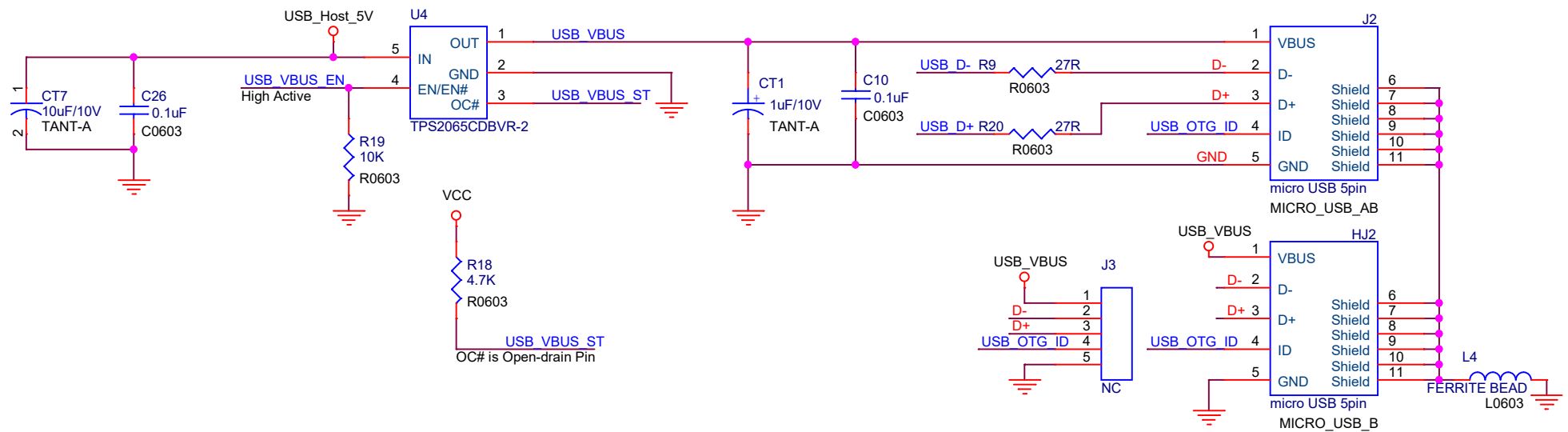
P96	PA.15	USB_OTG_ID	USB_ID
P95	PA.14	USB_D+	USB_D+
P94	PA.13	USB_D-	USB_D-
P93	PA.12	USB_VBUS	USB_VBUS
P117	PB.14	USB_VBUS_ST	USB_VBUS_ST
P116	PB.15	USB_VBUS_EN	USB_PWR_EN

GND	GND
VCC	VCC
USB_Host_5V	USB_Host_5V

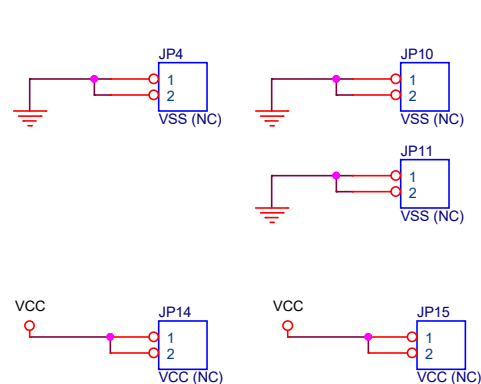
The diagram shows a red wire connecting the **USB\_Host\_5V** pin on the left to the **VCC** pin on the right. The **VCC** pin is also connected to **GND** and **USB\_Host 5V** on the right side of the module.

## USB1.1 OTG HOST/DEVICE

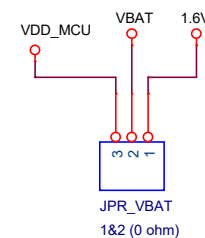
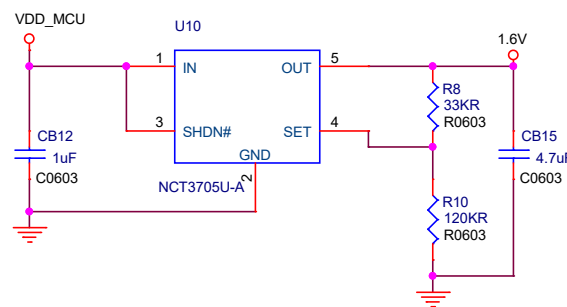
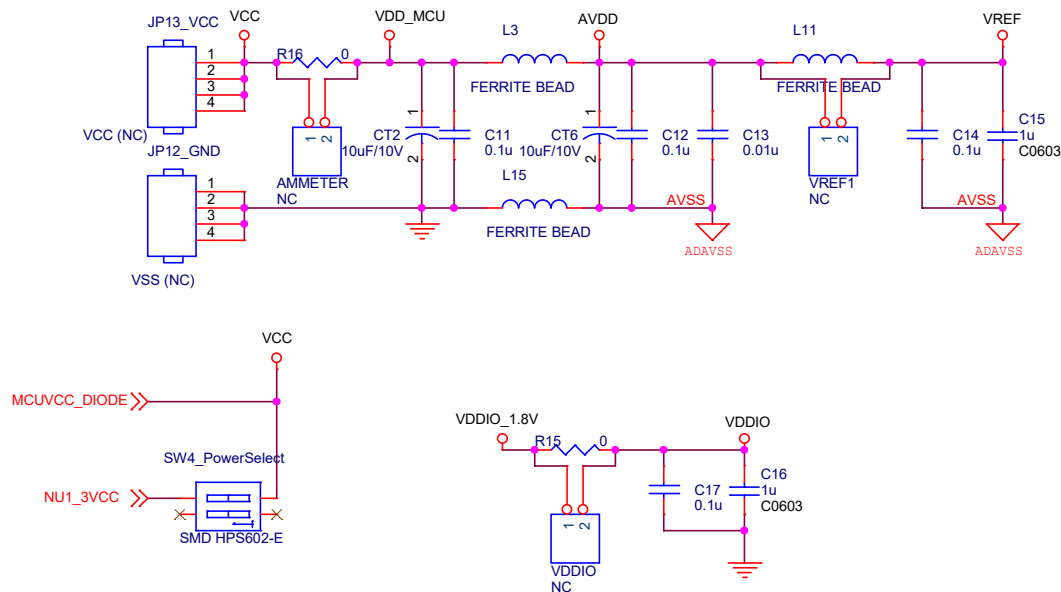
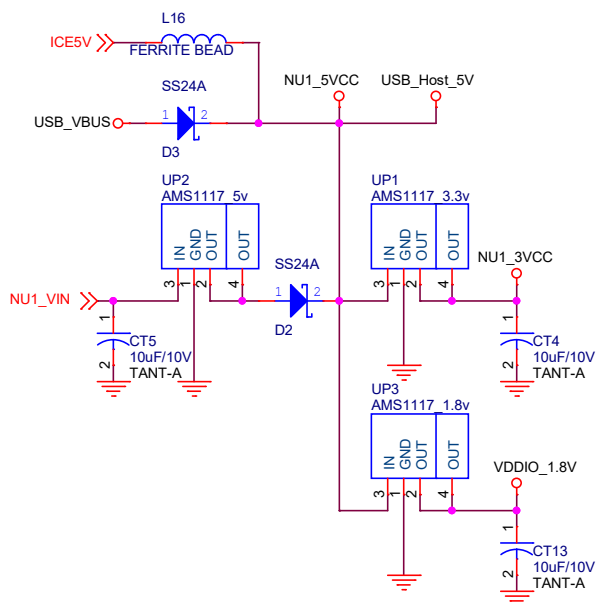


**nuvoTon**


# Power Connector



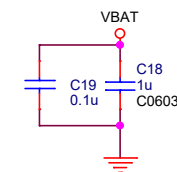
# Power Selector



## POWER Off Page

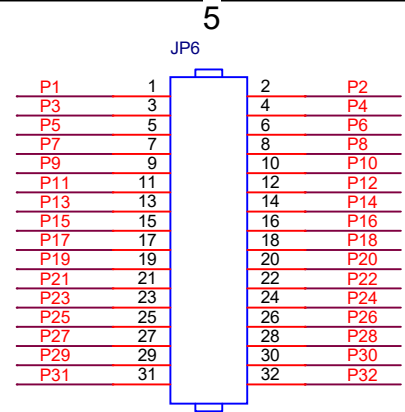
USB\_Host\_5V >>> USB\_Host\_5V  
USB\_VBUS >>> USB\_VBUS

NU1\_VIN >>> NU1\_VIN  
VBAT >>> VBAT  
GND >>> GND  
VCC >>> VCC  
NU1\_3VCC >>> NU1\_3VCC  
NU1\_5VCC >>> NU1\_5VCC  
P121 >>> P121  
P61 >>> P61  
VDD\_MCU >>> VDD\_MCU  
VDDIO >>> VDDIO  
ICESV >>> ICESV  
MCUVCC\_DIODE >>> MCVCC\_DIODE  
P120 >>> P120  
P122 >>> P122

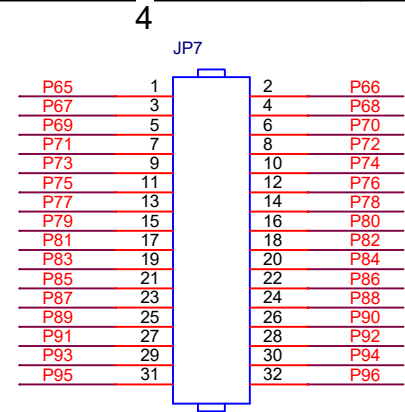


# nuvoTon

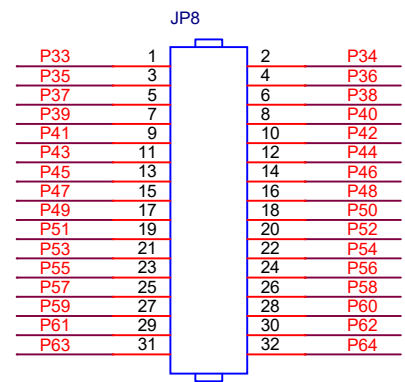
Title		
NuMaker-M2354		
Size	Document Number	Rev
Custom	POWER	V1.1
Date:	Tuesday, April 14, 2020	Sheet 4 of 10



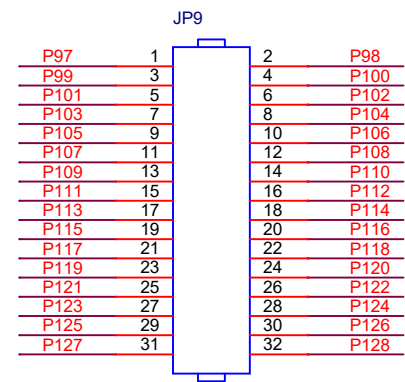
HEADER 2.54 16X2 (NC)



HEADER 2.54 16X2 (NC)



HEADER 2.54 16X2 (NC)

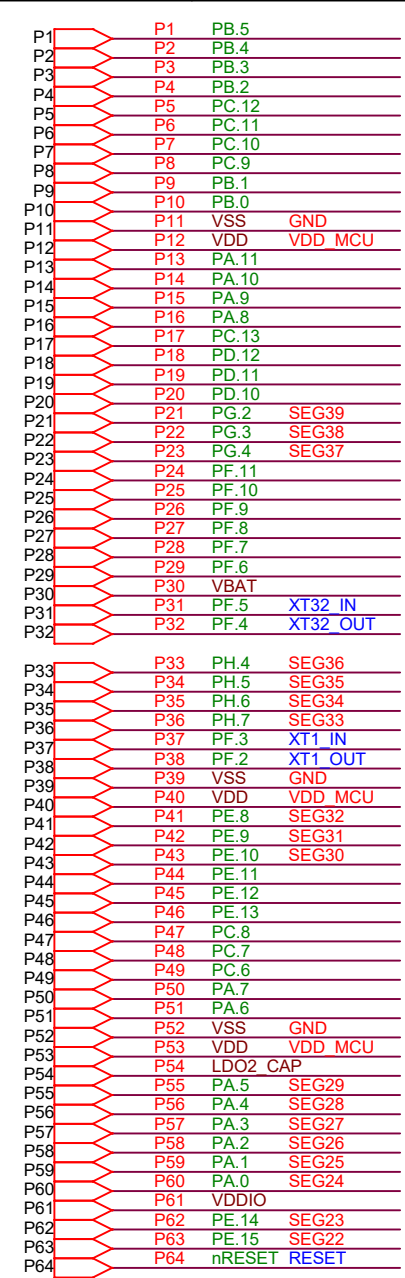


HEADER 2.54 16X2 (NC)

# MCU CONNECTOR

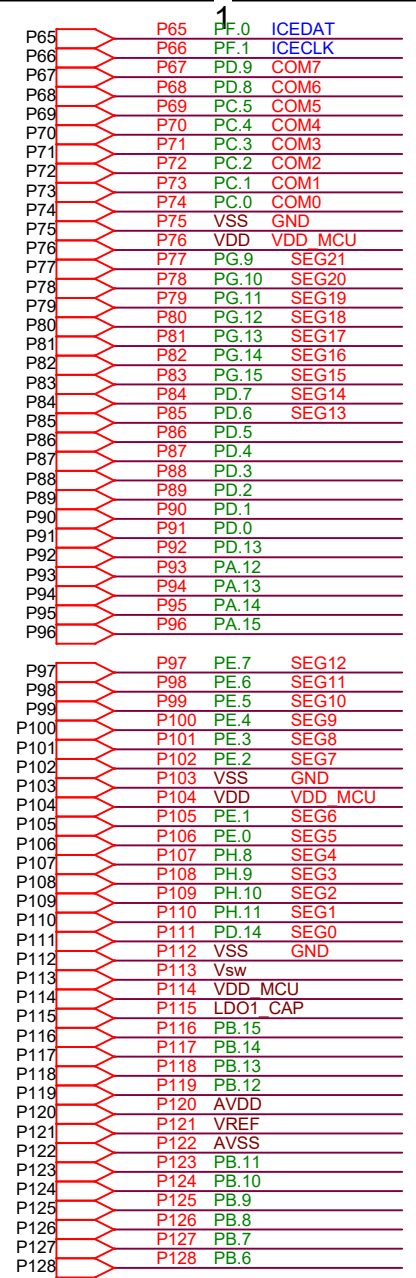
P1  
~  
P32

P33  
~  
P64



P97  
~  
P128

P65  
~  
P96



# UNO Interface Analog In

P128	P128	PB.6	A5	EADC0	CH6
P127	P127	PB.7	A4	EADC0	CH7
P126	P126	PB.8	A3	EADC0	CH8
P125	P125	PB.9	A2	EADC0	CH9
P124	P124	PB.10	A1	EADC0	CH10
P123	P123	PB.11	A0	EADC0	CH11

# Digital In0

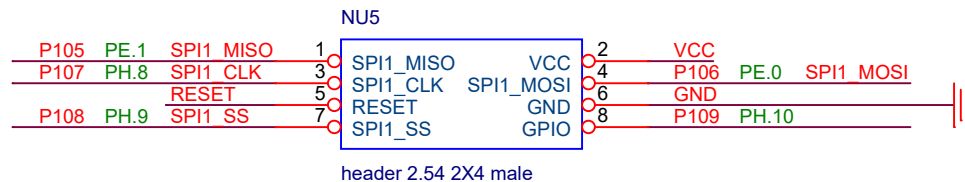
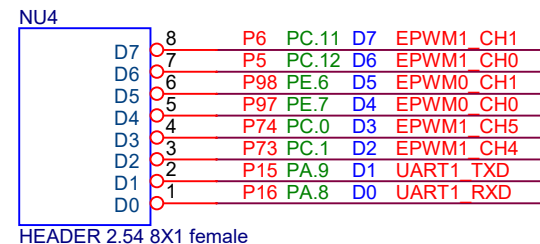
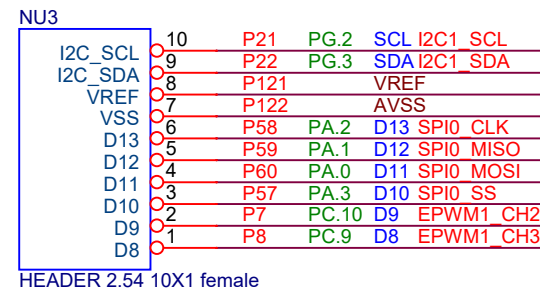
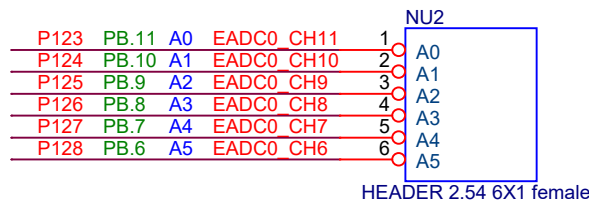
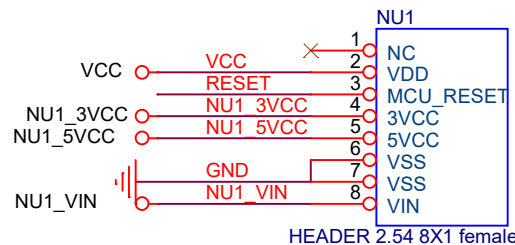
P16	P16	PA.8	D0	UART1	RXD
P15	P15	PA.9	D1	UART1	TXD
P73	P73	PC.1	D2	EPWM1	CH4
P74	P74	PC.0	D3	EPWM1	CH5
P97	P97	PE.7	D4	EPWM0	CH0
P98	P98	PE.6	D5	EPWM0	CH1
P5	P5	PC.12	D6	EPWM1	CH0
P6	P6	PC.11	D7	EPWM1	CH1

# Digital In1

P8	P8	PC.9	D8	EPWM1	CH3
P7	P7	PC.10	D9	EPWM1	CH2
P57	P57	PA.3	D10	SPI0	SS
P60	P60	PA.0	D11	SPI0	MOSI
P59	P59	PA.1	D12	SPI0	MISO
P58	P58	PA.2	D13	SPI0	CLK
P122	P122			AVSS	
P121	P121			VREF	
P22	P22	PG.3	SDA	I2C1	SDA
P21	P21	PG.2	SCL	I2C1	SCL

P105	P105	PE.1	SPI1	MISO	
P106	P106	PE.0	SPI1	MOSI	
P107	P107	PH.8	SPI1	CLK	
P108	P108	PH.9	SPI1	SS	
P109	P109	PH.10			

NU1_VIN	NU1_VIN				
GND	GND				
GND	GND				
NU1_5VCC	NU1_5VCC				
NU1_3VCC	NU1_3VCC				
P64	P64	nRESET	RESET		
VCC	VCC				



# UNO INTERFACE CONNECTOR

**nuvoTon**

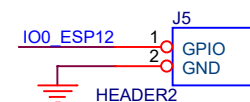
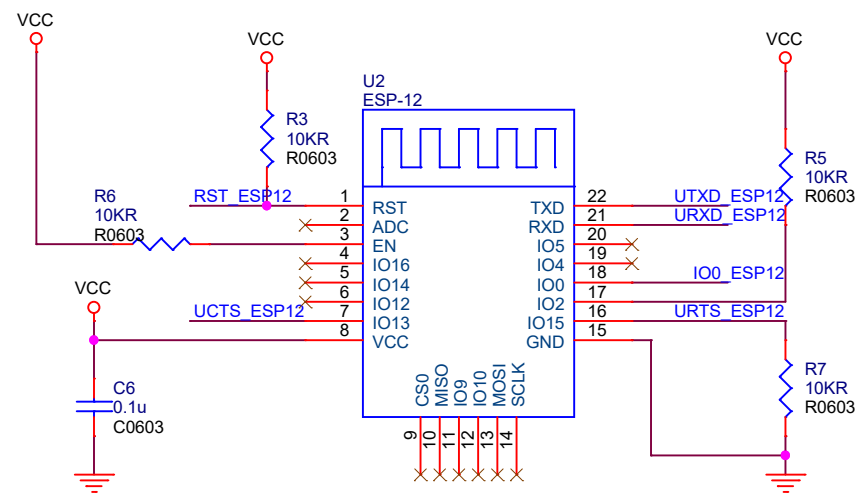
Title			
NuMaker-M2354			
Size A	Document Number		Rev
	UNO Interface		V1.1
Date:	Tuesday, April 14, 2020	Sheet 6 of 10	





## WIFI Off-page

P49	PC.6	UART4_RXD	UTXD_ESP12
P48	PC.7	UART4_TXD	URXD_ESP12
P46	PE.13	UART4_nRTS	UCTS_ESP12
P47	PC.8	UART4_nCTS	URTS_ESP12
P18	PD.12		IO0_ESP12
P17	PC.13		RST_ESP12
GND		GND	
VCC		VCC	



# nuvoTon

Title		
NuMaker-M2354		
Size	Document Number	Rev
A4	WIFI Module(ESP-12)	V1.1
Date:	Tuesday, April 14, 2020	Sheet 9 of 10