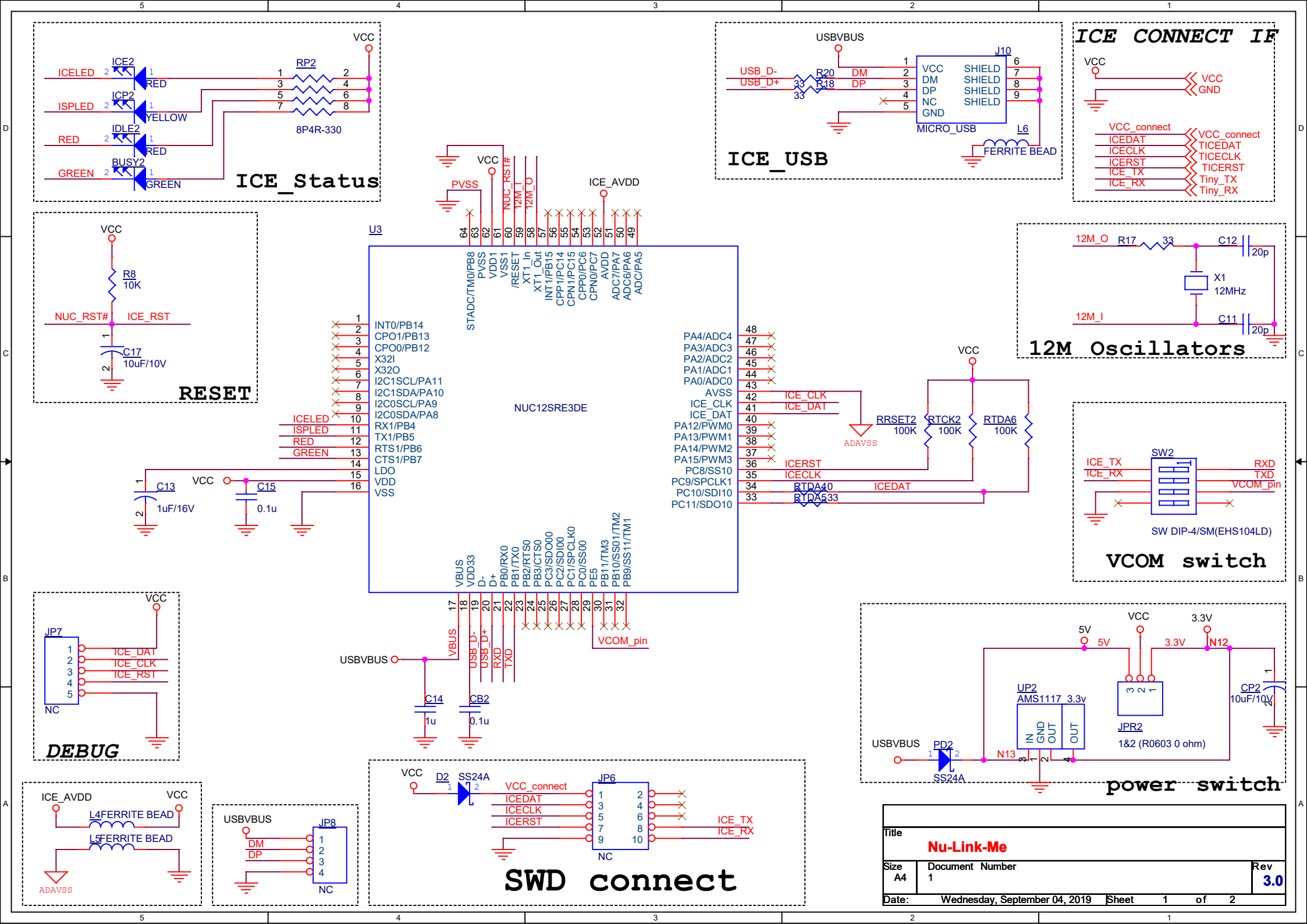
ICE_Status
ICE2
ICP2
IDLE2
BUSY2
ICELED
ISPLED
RED
GREEN
RP2
8P4R-330
VCC
ICE_USB
USBVBUS
USB_D-
USB_D+
R20
R18
33
J10
MICRO_USB
L6
FERRITE BEAD
ICE CONNECT IF
VCC_connect
ICEDAT
ICECLK
ICERST
ICE_TX
ICE_RX
Tiny_TX
Tiny_RX
RESET
R8
10K
NUC_RST#
ICE_RST
C17
10uF/10V
U3
NUC12SRE3DE
PVSS
ICE_AVDD
12M Oscillators
12M_O
12M_I
R17
C12
C11
20p
X1
12MHz
C13
1uF/16V
C15
0.1u
RRSET2
100K
RTCK2
RTDA6
RTDA40
RTDA633
ADAVSS
VCOM switch
SW2
SW DIP-4/SM(EHS104LD)
RXD
TXD
VCOM_pin
DEBUG
JP7
power switch
UP2
AMS1117 3.3v
JPR2
1&2 (R0603 0 ohm)
CP2
10uF/10V
PD2
SS24A
N13
N12
5V
3.3V
C14
CB2
1u
0.1u
L4FERRITE BEAD
L5FERRITE BEAD
JP8
DM
DP
SWD connect
D2
JP6
Title
Nu-Link-Me
Size
A4
Document Number
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Rev
3.0
Date:
Wednesday, September 04, 2019
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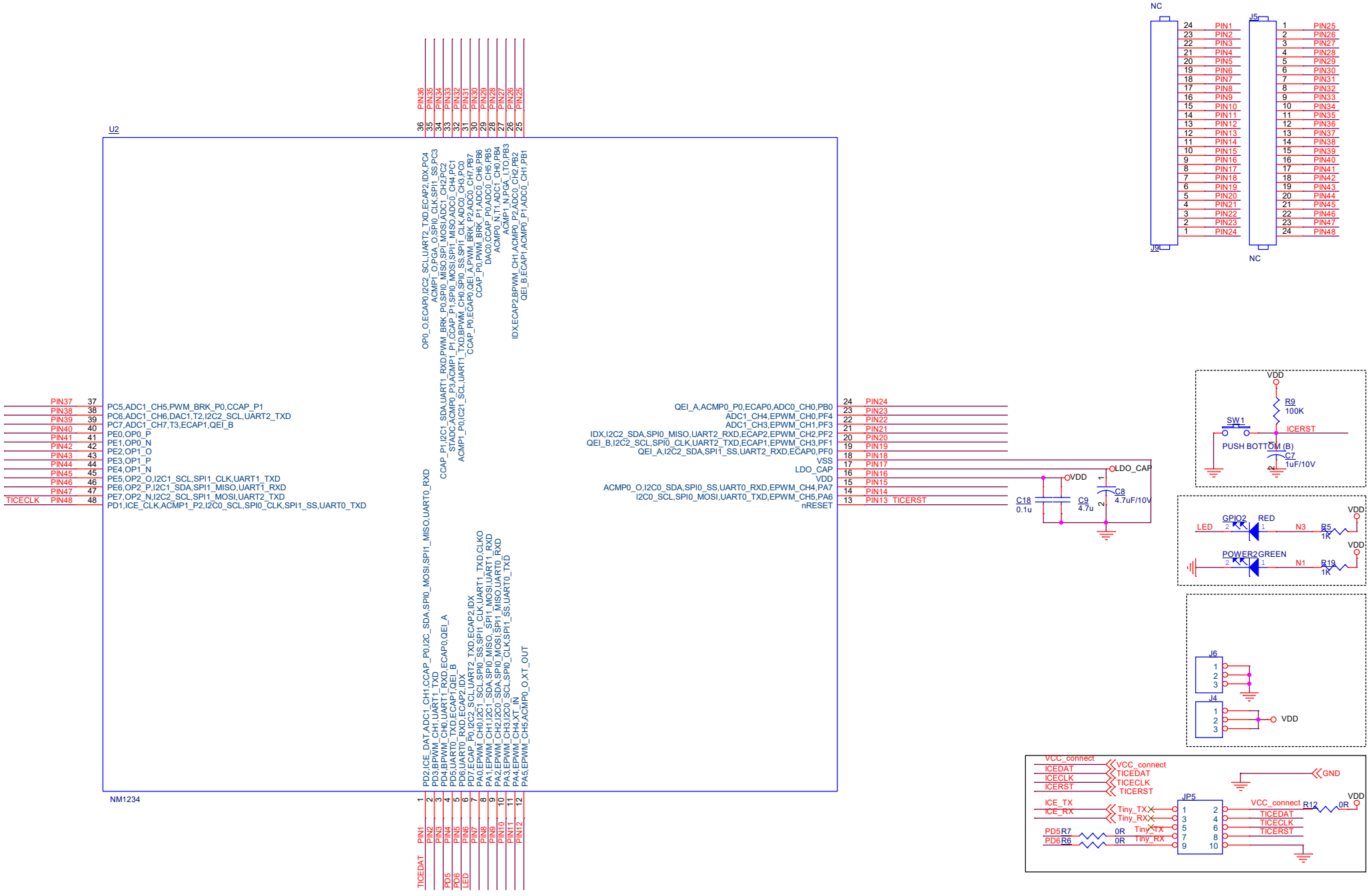
U2
NM1234
PC5,ADC1_CH5,PWM_BRK_P0,CCAP_P1
PC6,ADC1_CH6,DAC1,T2,I2C2_SCL,UART2_TXD
PC7,ADC1_CH7,T3,ECAP1,QEI_B
PE0,OP0_P
PE1,OP0_N
PE2,OP1_O
PE3,OP1_P
PE4,OP1_N
PE5,OP2_O,I2C1_SCL,SPI1_CLK,UART1_TXD
PE6,OP2_P,I2C1_SDA,SPI1_MISO,UART1_RXD
PE7,OP2_N,I2C2_SCL,SPI1_MOSI,UART2_TXD
PD1,ICE_CLK,ACMP1_P2,I2C0_SCL,SPI0_CLK,SPI1_SS,UART0_TXD
QEI_A,ACMP0_P0,ECAP0,ADC0_CH0,PB0
ADC1_CH4,EPWM_CH0,PF4
ADC1_CH3,EPWM_CH1,PF3
IDX,I2C2_SDA,SPI0_MISO,UART2_RXD,ECAP2,EPWM_CH2,PF2
QEI_B,I2C2_SCL,SPI0_CLK,UART2_TXD,ECAP1,EPWM_CH3,PF1
QEI_A,I2C2_SDA,SPI1_SS,UART2_RXD,ECAP0,PF0
VSS
LDO_CAP
VDD
ACMP0_O,I2C0_SDA,SPI0_SS,UART0_RXD,EPWM_CH4,PA7
I2C0_SCL,SPI0_MOSI,UART0_TXD,EPWM_CH5,PA6
nRESET
PD2,ICE_DAT,ADC1_CH1,CCAP_P0,I2C_SDA,SPI0_MOSI,SPI1_MISO,UART0_RXD
PD3,BPWM_CH1,UART1_TXD
PD4,BPWM_CH0,UART1_RXD,ECAP0,QEI_A
PD5,UART0_TXD,ECAP1,QEI_B
PD6,UART0_RXD,ECAP2,IDX
PD7,ECAP_P0,I2C2_SCL,UART2_TXD,ECAP2,IDX
PA0,EPWM_CH0,I2C1_SCL,SPI0_SS,SPI1_CLK,UART1_TXD,CLKO
PA1,EPWM_CH1,I2C1_SDA,SPI0_MISO,SPI1_MOSI,UART1_RXD
PA2,EPWM_CH2,I2C0_SDA,SPI0_MOSI,SPI1_MISO,UART0_RXD
PA3,EPWM_CH3,I2C0_SCL,SPI0_CLK,SPI1_SS,UART0_TXD
PA4,EPWM_CH4,XT_IN
PA5,EPWM_CH5,ACMP0_O,XT_OUT
OP0_O,ECAP0,I2C2_SCL,UART2_TXD,ECAP2,IDX,PC4
ACMP1_O,PGA_O,SPI0_CLK,SPI1_SS,PC3
CCAP_P1,I2C1_SDA,UART1_RXD,PWM_BRK_P0,SPI0_MISO,SPI1_MOSI,ADC1_CH2,PC2
STADC,ACMP0_P3,ACMP1_P1,CCAP_P1,SPI0_MOSI,SPI1_MISO,ADC0_CH4,PC1
ACMP1_P0,I2C1_SCL,UART1_TXD,BPWM_CH0,SPI0_SS,SPI1_CLK,ADC0_CH3,PC0
CCAP_P0,PWM_BRK_P1,ADC0_CH6,PB6
CCAP_P0,ECAP0,QEI_A,PWM_BRK_P2,ADC0_CH7,PB7
DAC0,CCAP_P0,ADC0_CH5,PB5
ACMP0_N,T1,ADC1_CH0,PB4
ACMP1_N,PGA_I,TO,PB3
IDX,ECAP2,BPWM_CH1,ACMP0_P2,ADC0_CH2,PB2
QEI_B,ECAP1,ACMP0_P1,ADC0_CH1,PB1
J9
J5
NC
SW1
PUSH BOTTOM (B)
ICERST
R9
100K
C7
1uF/10V
C18
0.1u
C9
4.7u
C8
4.7uF/10V
LDO_CAP
VDD
GPIO2
RED
LED
N3
R5
1K
POWER2GREEN
N1
R19
1K
J6
J4
JP5
VCC_connect
ICEDAT
ICECLK
ICERST
TICEDAT
TICECLK
TICERST
GND
ICE_TX
ICE_RX
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Tiny_RX
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R12
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Document Number
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Thursday, May 26, 2022
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