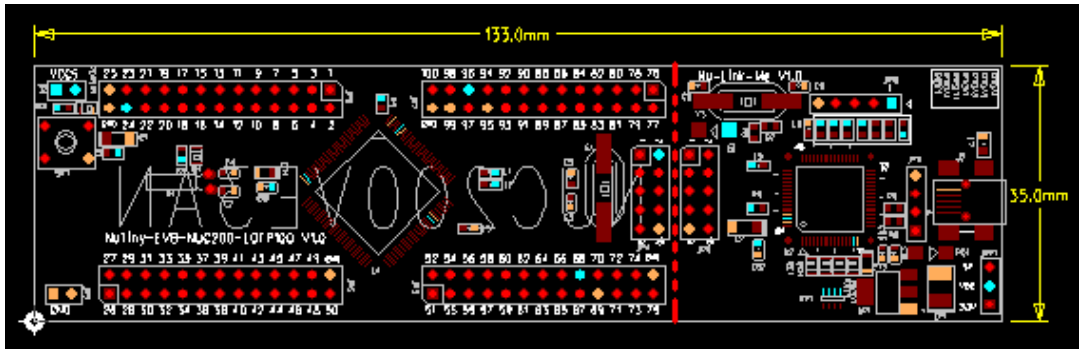

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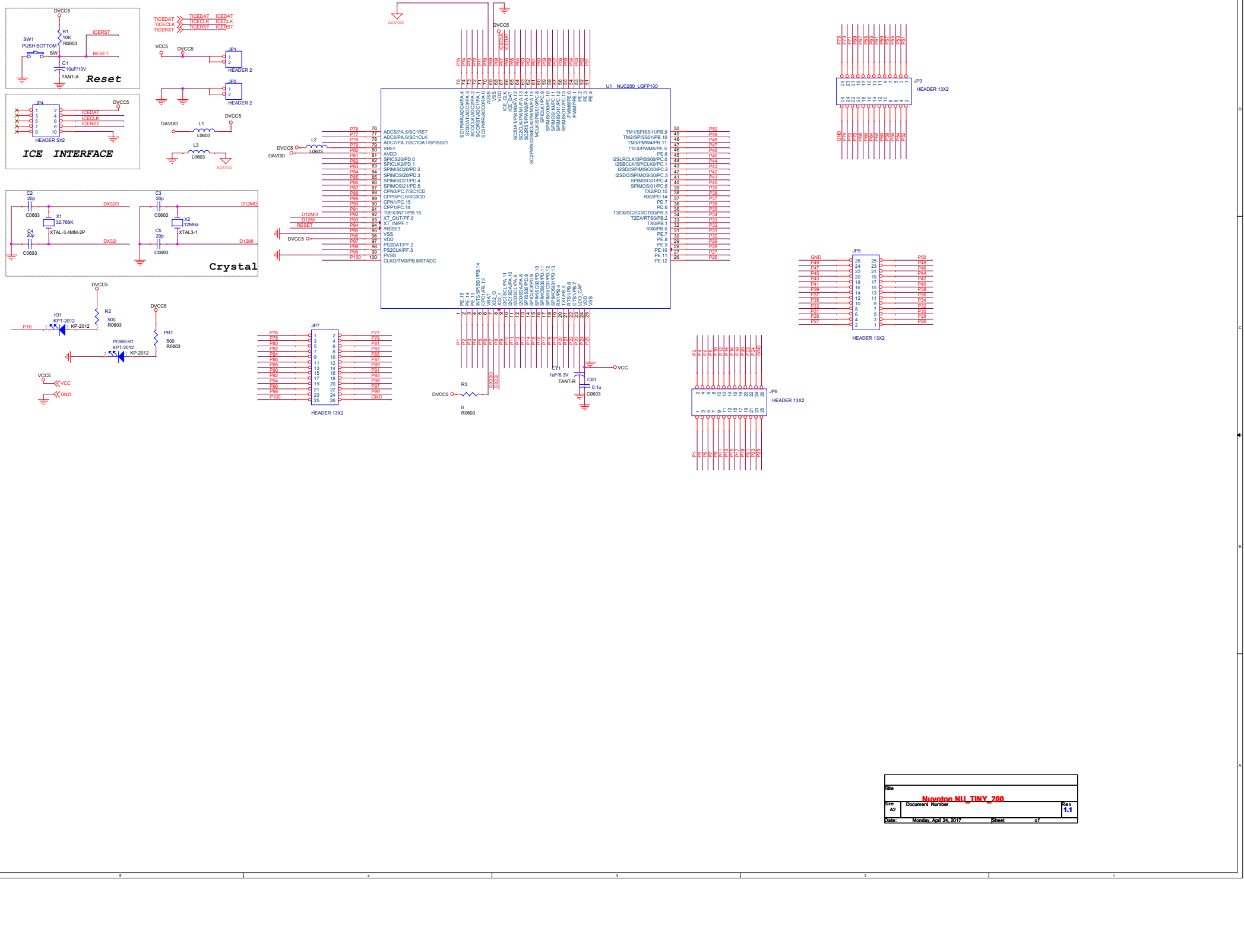
Date: Monday, April 24, 2017	Sheet of	


Reset
ICE INTERFACE
Crystal
U1 NUC200 LQFP100
HEADER 2
HEADER 5X2
HEADER 13X2
JP1
JP2
JP3
JP4
JP5
JP7
JP8
L0603
C0603
R0603
VCC5
DVCC5
DAVDD
ADAVSS
TICEDAT
TICECLK
TICERST
ICEDAT
ICECLK
ICERST
RESET
SW1
PUSH BOTTOM
R1
10K
C1
10uF/10V
TANT-A
X1
32.768K
XTAL-3.4MM-2P
X2
12MHz
XTAL3-1
C2
C3
C4
C5
20p
DX32O
DX32I
D12MO
D12MI
L1
L2
L3
IO1
KPT-2012
POWER1
R2
500
PR1
R3
0
CT1
1uF/6.3V
TANT-R
CB1
0.1u
ADC5/PA.5/SC1RST
ADC6/PA.6/SC1CLK
ADC7/PA.7/SC1DAT/SPISS21
VREF
AVDD
SPICS20/PD.0
SPICLK2/PD.1
SPIMISO20/PD.2
SPIMOSI20/PD.3
SPIMISO21/PD.4
SPIMOSI21/PD.5
CPN0/PC.7/SC1CD
CPP0/PC.6/SC0CD
CPN1/PC.15
CPP1/PC.14
T0EX/INT1/PB.15
XT_OUT/PF.0
XT_IN/PF.1
/RESET
VSS
VDD
PS2DAT/PF.2
PS2CLK/PF.3
PVSS
CLKO/TM0/PB.8/STADC
TM1/SPISS11/PB.9
TM2/SPISS01/PB.10
TM3/PWM4/PB.11
T1EX/PWM5/PE.5
PE.6
I2SLRCLK/SPISS30/PC.0
I2SBCLK/SPICLK0/PC.1
I2SDI/SPIMISO00/PC.2
I2SDO/SPIMOSI00/PC.3
SPIMISO01/PC.4
SPIMOSI01/PC.5
TX2/PD.15
RX2/PD.14
PD.7
PD.6
T3EX/SC2CD/CTS0/PB.3
T2EX/RTS0/PB.2
TX0/PB.1
RX0/PB.0
PE.7
PE.8
PE.9
PE.10
PE.11
PE.12
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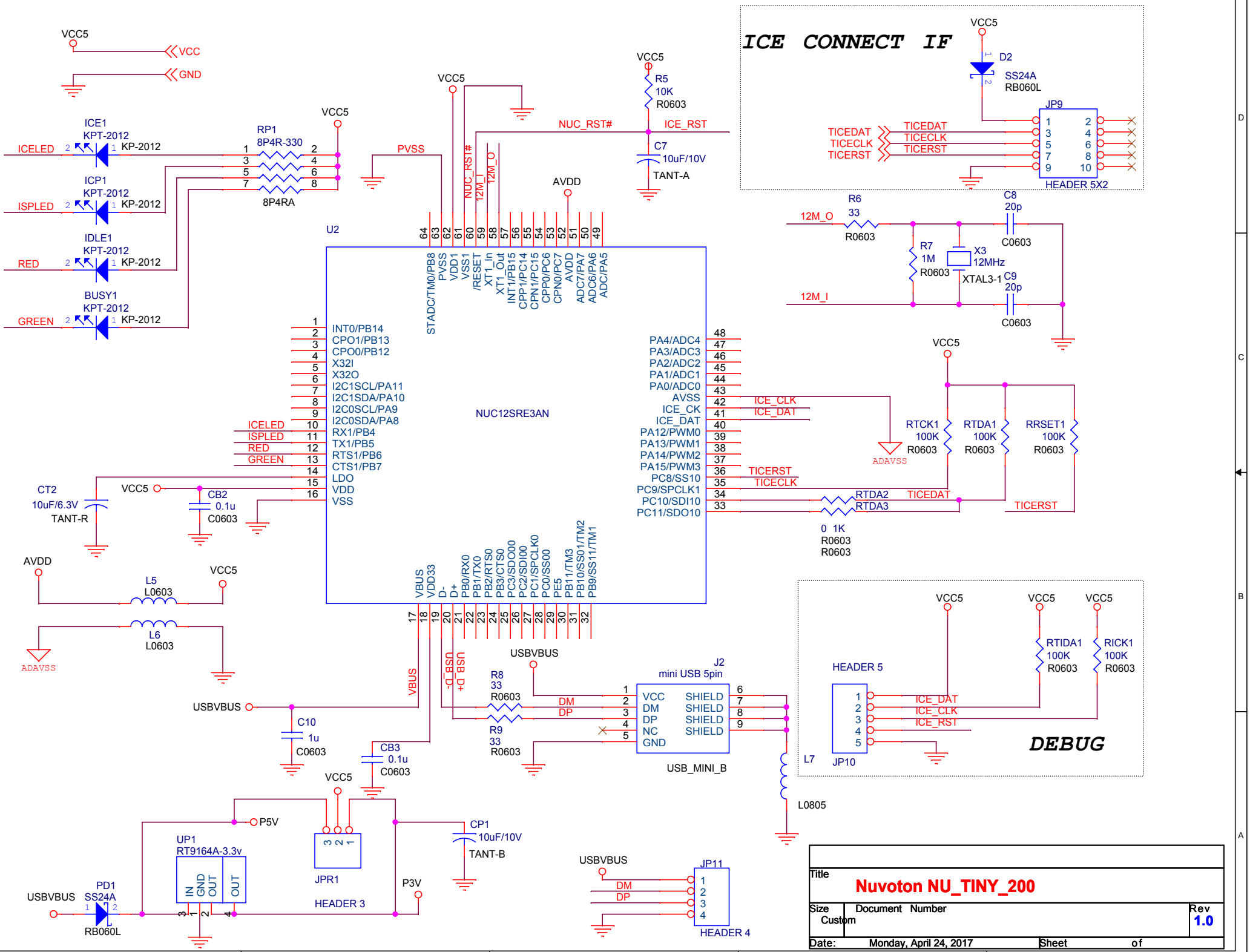
Nuvoton NU_TINY_200
Size
A2
Document Number
Rev
1.1
Date:
Monday, April 24, 2017
Sheet
of


ICE CONNECT IF
DEBUG
NUC12SRE3AN
U2
VCC5
VCC
GND
ICE1
KPT-2012
ICELED
KP-2012
ICP1
ISPLED
IDLE1
RED
BUSY1
GREEN
RP1
8P4R-330
8P4RA
PVSS
NUC_RST#
ICE_RST
R5
10K
R0603
C7
10uF/10V
TANT-A
AVDD
D2
SS24A
RB060L
JP9
HEADER 5X2
TICEDAT
TICECLK
TICERST
R6
33
R0603
C8
20p
C0603
R7
1M
X3
12MHz
XTAL3-1
C9
12M_O
12M_I
INT0/PB14
CPO1/PB13
CPO0/PB12
X32I
X32O
I2C1SCL/PA11
I2C1SDA/PA10
I2C0SCL/PA9
I2C0SDA/PA8
RX1/PB4
TX1/PB5
RTS1/PB6
CTS1/PB7
LDO
VDD
VSS
STADC/TM0/PB8
PVSS
VDD1
VSS1
/RESET
XT1_In
XT1_Out
INT1/PB15
CPP1/PC14
CPN1/PC15
CPP0/PC6
CPN0/PC7
AVDD
ADC7/PA7
ADC6/PA6
ADC/PA5
PA4/ADC4
PA3/ADC3
PA2/ADC2
PA1/ADC1
PA0/ADC0
AVSS
ICE_CK
ICE_DAT
PA12/PWM0
PA13/PWM1
PA14/PWM2
PA15/PWM3
PC8/SS10
PC9/SPCLK1
PC10/SDI10
PC11/SDO10
RTCK1
100K
RTDA1
RRSET1
ADAVSS
RTDA2
RTDA3
0 1K
CT2
10uF/6.3V
TANT-R
CB2
0.1u
C0603
L5
L0603
L6
VBUS
VDD33
D-
D+
PB0/RX0
PB1/TX0
PB2/RTS0
PB3/CTS0
PC3/SDO00
PC2/SDI00
PC1/SPCLK0
PC0/SS00
PE5
PB11/TM3
PB10/SS01/TM2
PB9/SS11/TM1
USBVBUS
USB_D-
USB_D+
R8
33
R9
DM
DP
J2
mini USB 5pin
VCC
DM
DP
NC
GND
SHIELD
USB_MINI_B
C10
1u
CB3
L7
L0805
HEADER 5
JP10
RTIDA1
RICK1
P5V
UP1
RT9164A-3.3v
IN
GND
OUT
JPR1
HEADER 3
CP1
10uF/10V
TANT-B
P3V
PD1
SS24A
RB060L
JP11
HEADER 4
Title
Nuvoton NU_TINY_200
Size
Custom
Document Number
Rev
1.0
Date: Monday, April 24, 2017
Sheet of