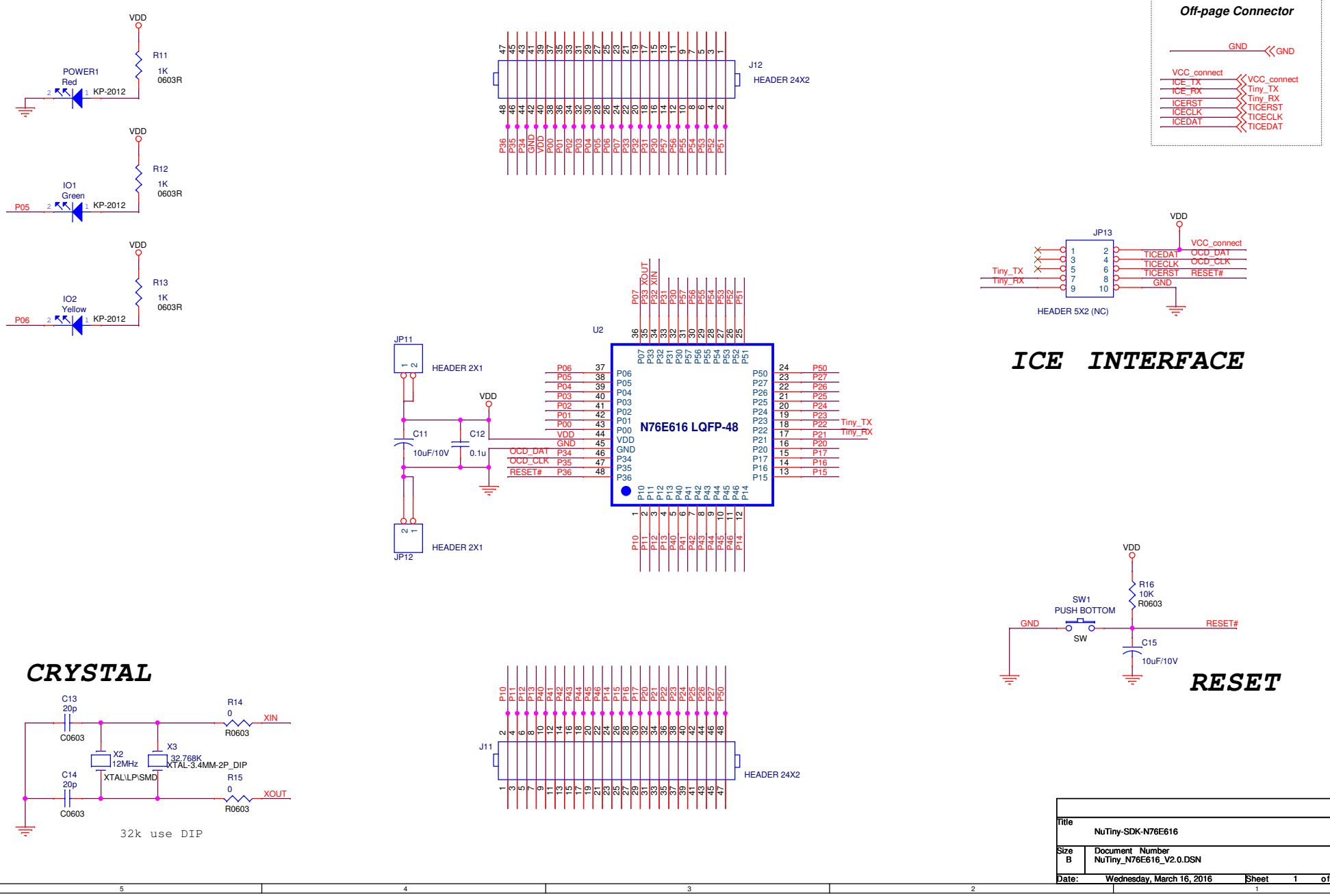
VDD
R11
1K
0603R
POWER1
Red
KP-2012
VDD
R12
1K
0603R
IO1
Green
P05
KP-2012
VDD
R13
1K
0603R
IO2
Yellow
P06
KP-2012
J12
HEADER 24X2
Off-page Connector
GND
GND
VCC_connect
ICE_TX
ICE_RX
ICERST
ICECLK
ICEDAT
VCC_connect
Tiny_TX
Tiny_RX
TICERST
TICECLK
TICEDAT
JP13
HEADER 5X2 (NC)
TICEDAT
TICECLK
TICERST
GND
OCD_DAT
OCD_CLK
RESET#
ICE INTERFACE
JP11
HEADER 2X1
JP12
HEADER 2X1
C11
10uF/10V
C12
0.1u
U2
N76E616 LQFP-48
XOUT
XIN
OCD_DAT
OCD_CLK
RESET#
Tiny_TX
Tiny_RX
SW1
PUSH BOTTOM
SW
R16
10K
R0603
C15
10uF/10V
RESET
CRYSTAL
C13
20p
C0603
C14
20p
C0603
R14
0
R0603
R15
0
R0603
XIN
XOUT
X2
12MHz
XTAL\LP\SMD
X3
32.768K
XTAL-3.4MM-2P_DIP
32k use DIP
J11
HEADER 24X2
Title
NuTiny-SDK-N76E616
Size
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Document Number
NuTiny_N76E616_V2.0.DSN
Rev
V2.0
Date:
Wednesday, March 16, 2016
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1
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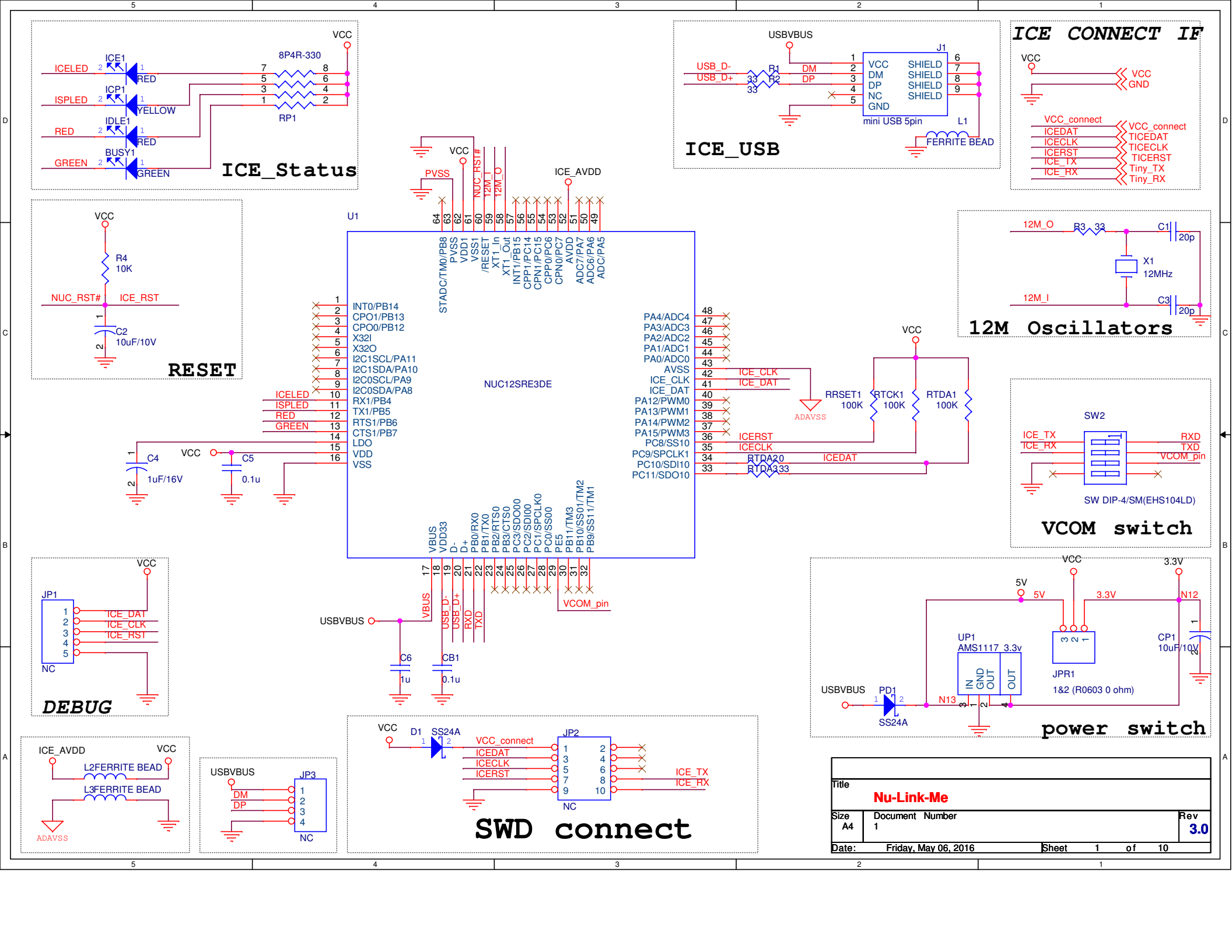
2


ICE_Status
ICE1
ICP1
IDLE1
BUSY1
ICELED
ISPLED
RED
GREEN
YELLOW
8P4R-330
RP1
VCC
ICE_USB
USBVBUS
USB_D-
USB_D+
R1
R2
33
DM
DP
NC
GND
J1
VCC
SHIELD
mini USB 5pin
L1
FERRITE BEAD
ICE CONNECT IF
VCC_connect
ICEDAT
ICECLK
ICERST
ICE_TX
ICE_RX
Tiny_TX
Tiny_RX
RESET
R4
10K
NUC_RST#
ICE_RST
C2
10uF/10V
U1
NUC12SRE3DE
PVSS
ICE_AVDD
NUC_RST#
12M_I
12M_O
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
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
PA4/ADC4
PA3/ADC3
PA2/ADC2
PA1/ADC1
PA0/ADC0
AVSS
ICE_CLK
ICE_DAT
PA12/PWM0
PA13/PWM1
PA14/PWM2
PA15/PWM3
PC8/SS10
PC9/SPCLK1
PC10/SDI10
PC11/SDO10
C4
1uF/16V
C5
0.1u
RRSET1
100K
RTCK1
100K
RTDA1
100K
RTDA20
RTDA33
ADAVSS
12M Oscillators
12M_O
R3
33
C1
20p
X1
12MHz
12M_I
C3
20p
VCOM switch
SW2
ICE_TX
ICE_RX
RXD
TXD
VCOM_pin
SW DIP-4/SM(EHS104LD)
DEBUG
JP1
ICE_DAT
ICE_CLK
ICE_RST
NC
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
C6
1u
CB1
0.1u
power switch
5V
3.3V
N12
UP1
AMS1117_3.3v
IN
GND
OUT
JPR1
1&2 (R0603 0 ohm)
CP1
10uF/10V
PD1
SS24A
N13
ICE_AVDD
L2FERRITE BEAD
L3FERRITE BEAD
ADAVSS
JP3
DM
DP
NC
SWD connect
D1
SS24A
JP2
VCC_connect
ICEDAT
ICECLK
ICERST
ICE_TX
ICE_RX
Title
Nu-Link-Me
Size
A4
Document Number
1
Rev
3.0
Date:
Friday, May 06, 2016
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