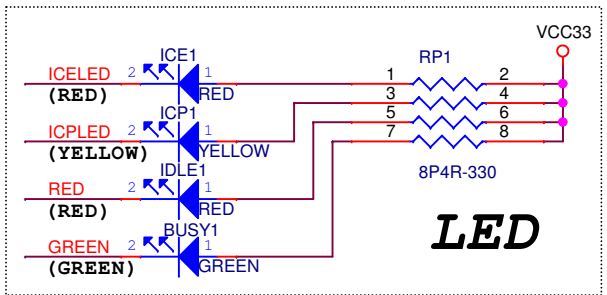
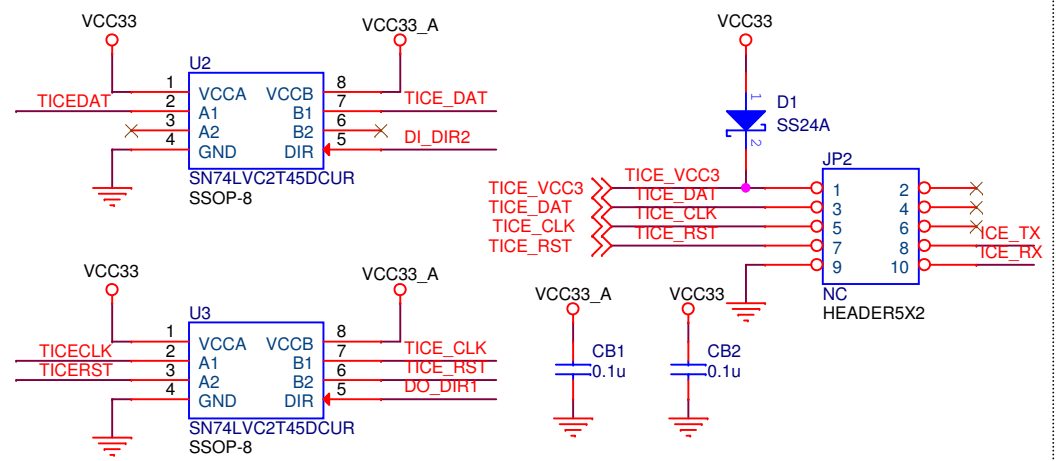


# SWD Interface

Short : Support 3.3v to target chip  
Open: target chip has its power source (1.8v ~ 3.6v)

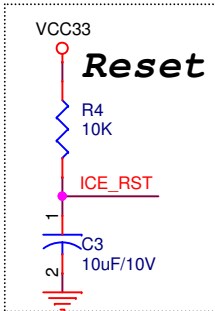
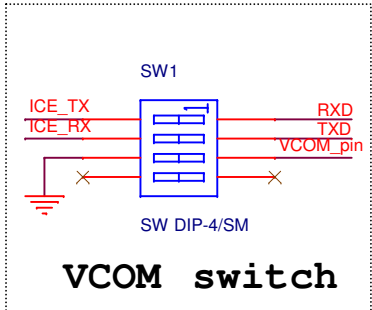
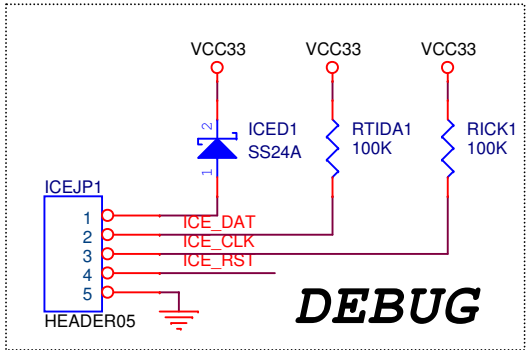


*off page*

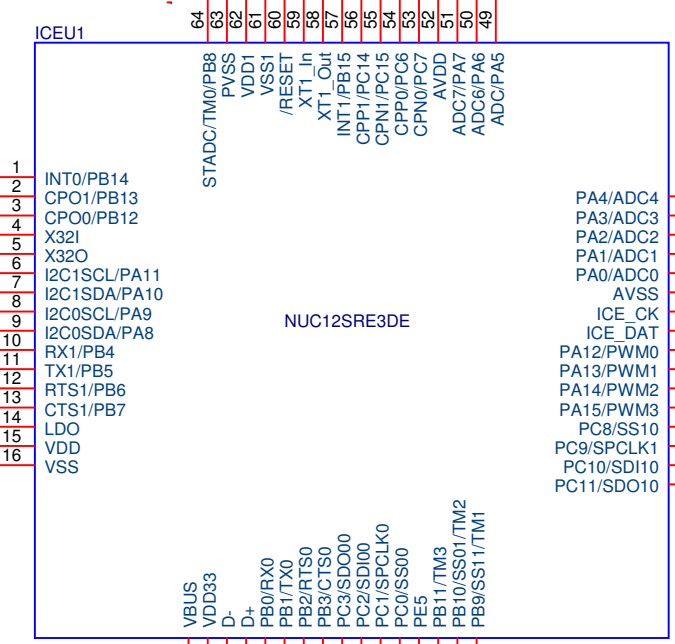
ICE\_TX Tiny\_TX

ICE\_RX Tiny\_RX

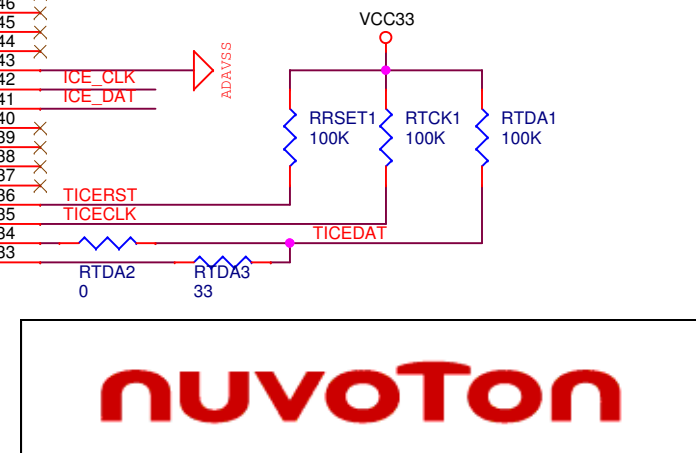
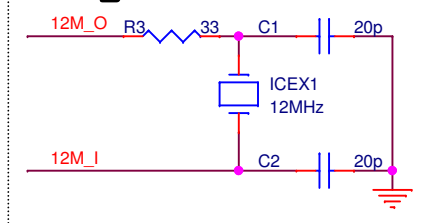
GND GND



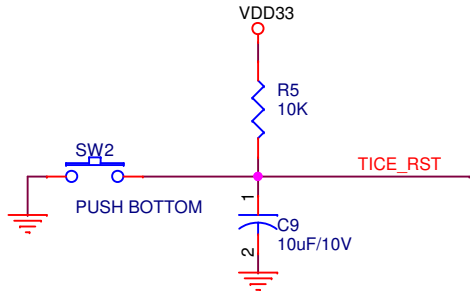
# MCU



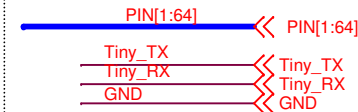
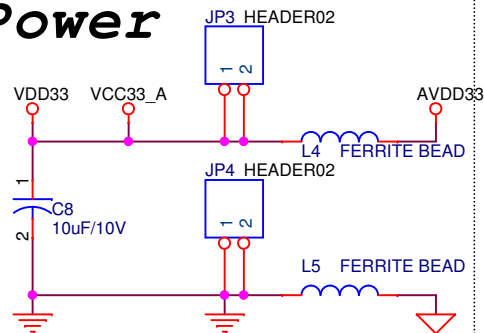
# Crystal



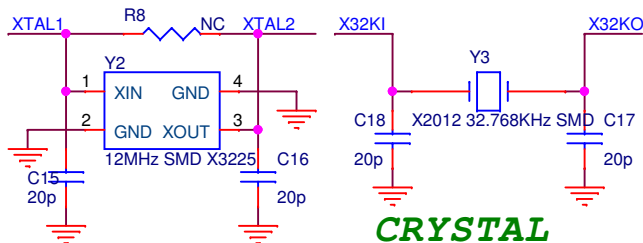
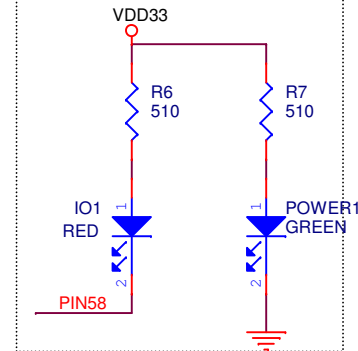
# Reset Circuit



# Power



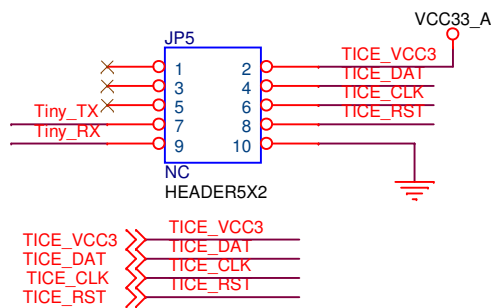
# LED



# CRYSTAL

# SWD Interface

From ICE Bridge's USB Power



|       |    |       |
|-------|----|-------|
| PIN1  | 1  | PB.10 |
| PIN2  | 2  | PB.11 |
| PIN3  | 3  | PB.12 |
| PIN4  | 4  | PB.13 |
| PIN5  | 5  | PB.14 |
| PIN6  | 6  | PB.15 |
| PIN7  | 7  | PC.0  |
| PIN8  | 8  | PC.1  |
| PIN9  | 9  | PC.2  |
| PIN10 | 10 | PC.3  |
| PIN11 | 11 | PC.4  |
| PIN12 | 12 | PC.5  |
| PIN13 | 13 | PC.6  |
| PIN14 | 14 | PC.7  |
| PIN15 | 15 | PC.8  |
| PIN16 | 16 | PC.9  |

|       |    |       |
|-------|----|-------|
| PIN17 | 17 | PC.14 |
| PIN18 | 18 | PC.15 |
| PIN19 | 19 | PD.0  |
| PIN20 | 20 | PD.1  |
| PIN21 | 21 | PD.2  |
| PIN22 | 22 | PD.3  |
| PIN23 | 23 | PD.4  |
| PIN24 | 24 | PD.5  |
| PIN25 | 25 | PD.6  |
| PIN26 | 26 | PD.7  |
| PIN27 | 27 | PD.8  |
| PIN28 | 28 | PD.9  |
| PIN29 | 29 | PD.10 |
| PIN30 | 30 | PD.11 |
| PIN31 | 31 | PD.12 |
| PIN32 | 32 | NC    |

|              |    |                |
|--------------|----|----------------|
| ADC3/PA.3    | 48 | PIN48          |
| ADC2/PA.2    | 47 | PIN47          |
| ADC1/PA.1    | 46 | PIN46          |
| ADC0/PA.0    | 45 | PIN45          |
| AVSS         | 44 | PIN44          |
| XT1_OUT/PF.3 | 43 | PIN43 XTAL2    |
| XT1_IN/PF.2  | 42 | PIN42 XTAL1    |
| VSS          | 41 | PIN41 GND      |
| X32O/PF.1    | 40 | PIN40 X32KO    |
| X32I/PF.0    | 39 | PIN39 X32KI    |
| VDD          | 38 | PIN38          |
| LDO_CAP      | 37 | PIN37          |
| nRESET       | 36 | PIN36 TICE_RST |
| PD.15        | 35 | PIN35          |
| PD.14        | 34 | PIN34          |
| PD.13        | 33 | PIN33          |

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|                                |                         |              |
|--------------------------------|-------------------------|--------------|
| Title                          |                         |              |
| NuTiny-EVB-Nano102-LQFP64 V1.5 |                         |              |
| Size                           | Document Number         | Rev          |
| A4                             | NANO102SC2AN.SCH        | V1.5         |
| Date:                          | Thursday, June 29, 2017 | Sheet 2 of 3 |

