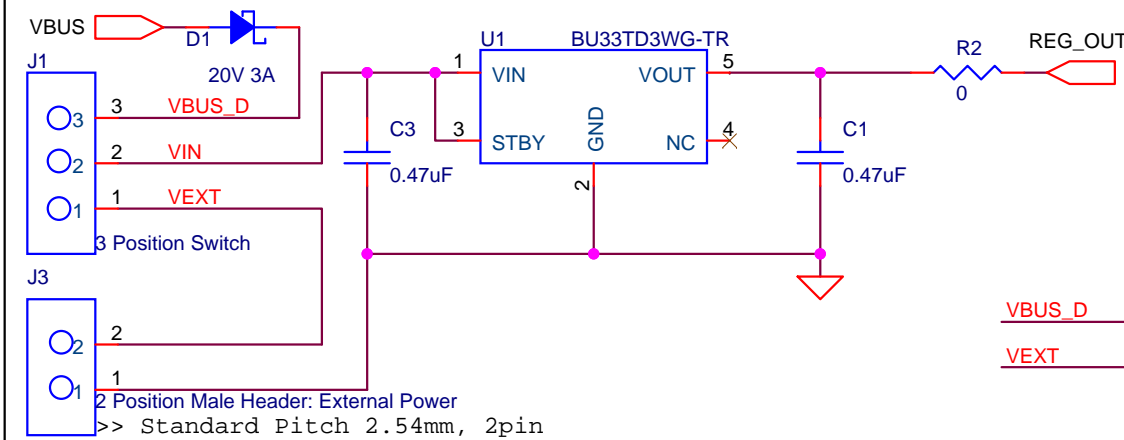


ROHM Sensor Platform Base Board

Page	Contents
1	Table of Contents/Revision History
2	Sensor Platform Base Board
3	FTDI Details

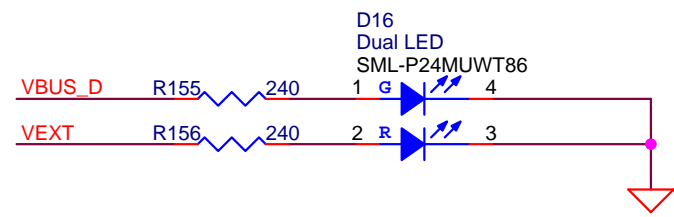
Rev	Contents
01	Initial release 2014-07-17
1.01	REM Control Switches, Fixed Headers, 2014-07-21
2.0	2014-09-17: - Add hierachical port REG_OUT into FTDI block. - Add dual LED D16.

INPUT POWER

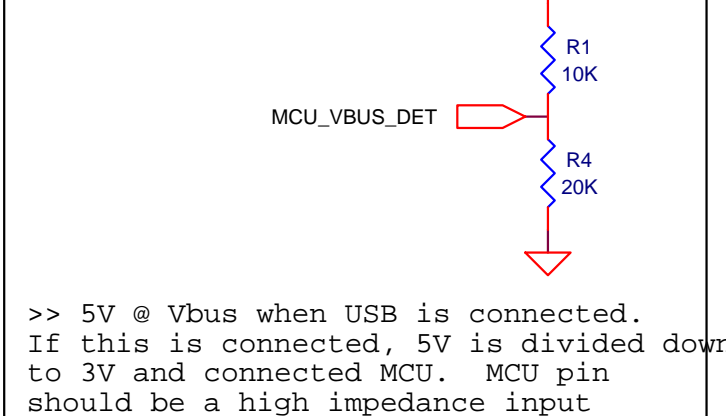


>> Coin Cell does not need to be On-Board. We would like to have the positive and GND leads on a 2 position header (J1)

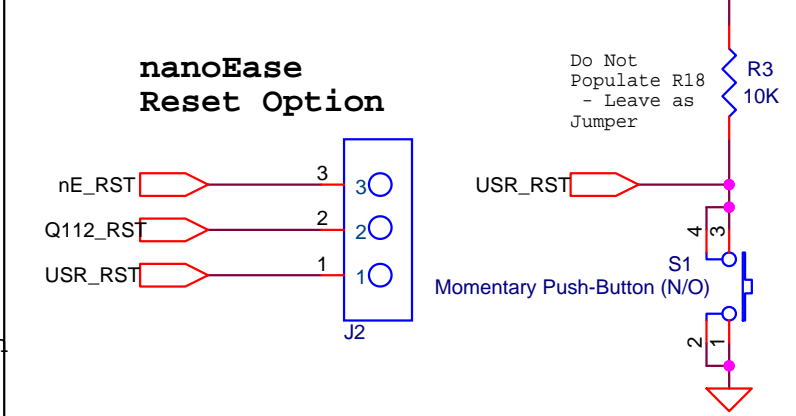
>> 3 Position Switch (J15)
Case 1: Middle pin OPEN
Case 2: Middle pin con to VBUS
Case 3: Middle pin con to Ext. Power



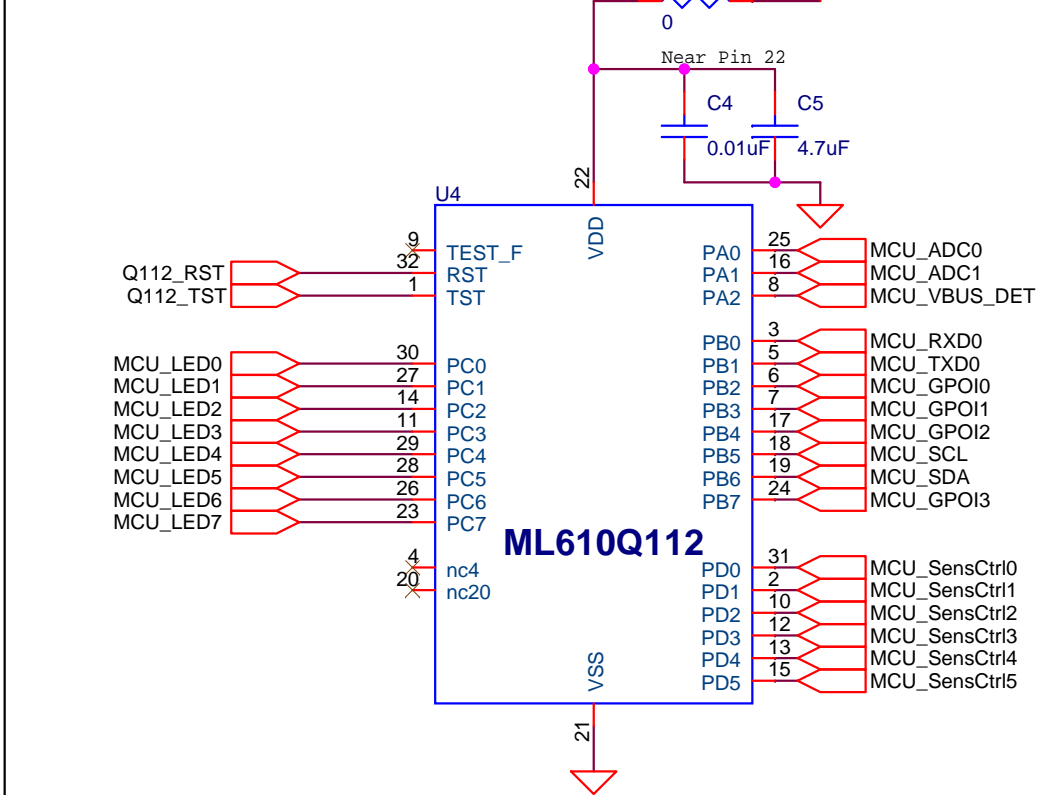
VBUS DET Circuit



RESET MCUs

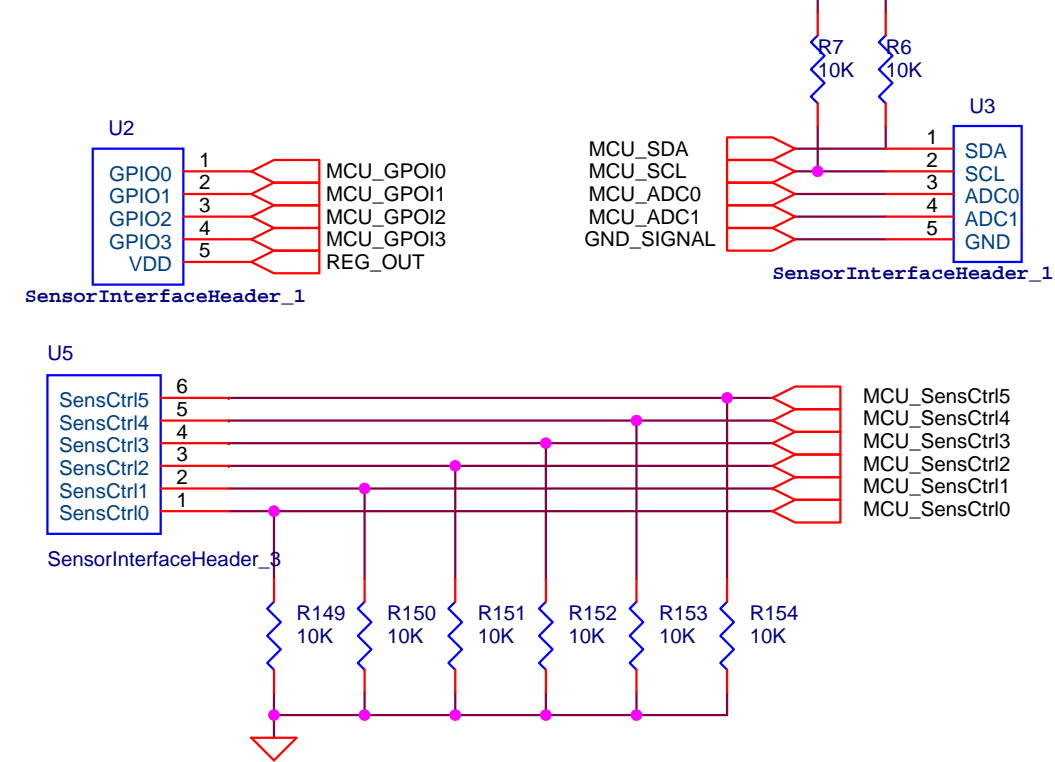


Q112 MICROCONTROLLER

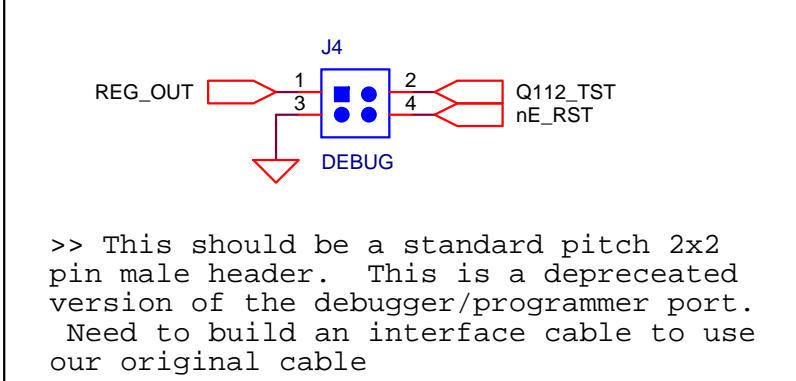


Sensor Breakout Board Interface

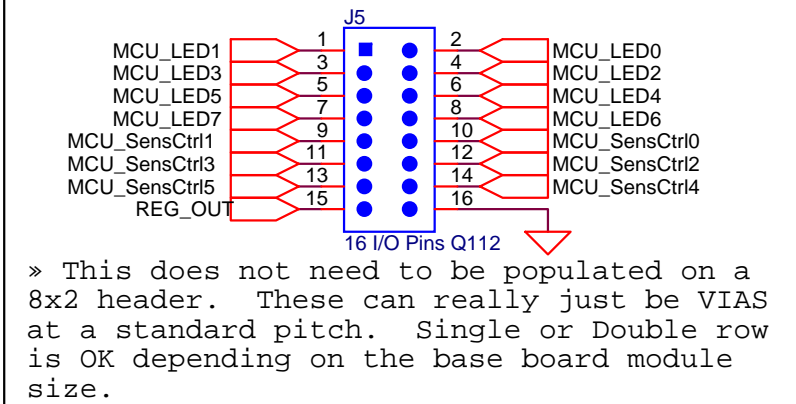
>> All headers are female types.



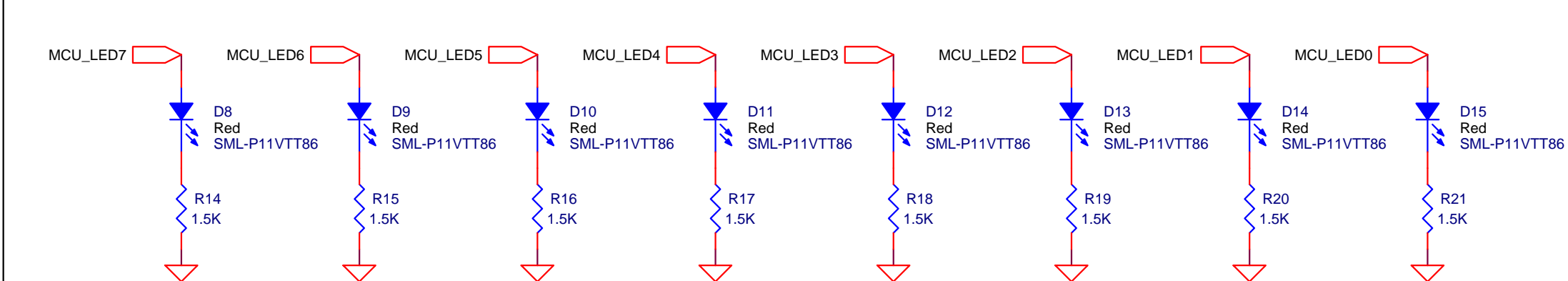
MICROCONTROLLER DEBUGGER



Extra Header Rows

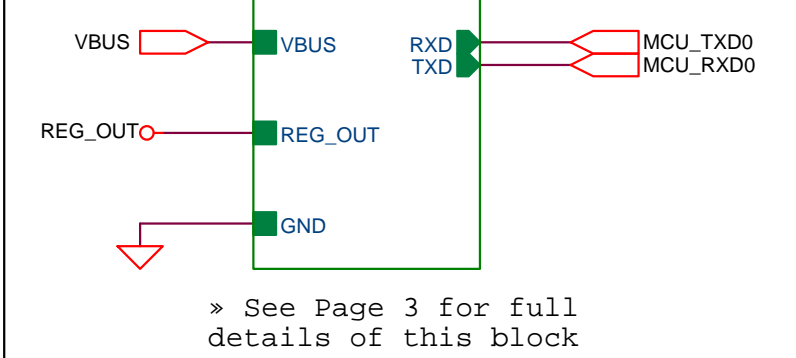


Standalone Mode LED Feedback Section



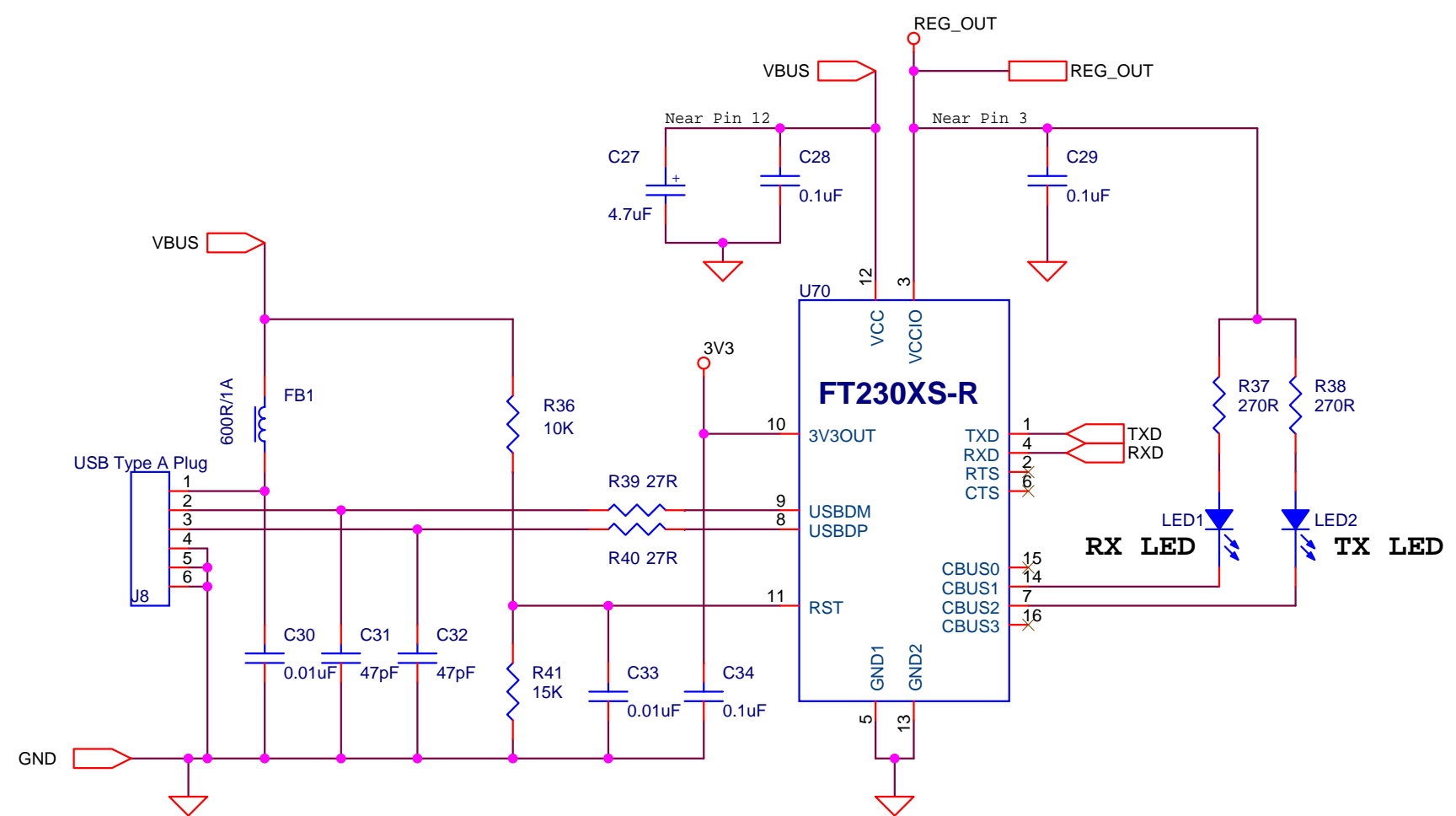
>> Using ROHM Red PicoLEDs

FTDI IC



Title		
Sensor Platform - Base Board		
Size	Document Number	Rev
B	Sensor Platform - Base Board Schematic	02
Date:	Thursday, September 18, 2014	Sheet 2 of 3

USB to serial UART interface



» FT230XS-R RST => Active Low

The MTP memory on this FT-230XS-R device can be programmed directly over USB, using the FT_Prog utility to set the required options and program it. See: www.ftdichip.com/Support/Utilities.htm#FT_Prog

Title			Sensor Platform - Base Board FTDI IC		
Size	Document Number				Rev
B	FTDI Portion of Circuit				02
Date:	Thursday, September 18, 2014		Sheet	3	of 3