

PIC32 Bluetooth® Starter Kit Information Sheet

The PIC32 Bluetooth Starter Kit (DM320018) provides a low-cost method for the development and testing of Bluetooth data transfer with PIC32 devices. The starter kit features a Bluetooth Radio, a combination 3-D accelerometer and temperature sensor, 16 Mb SPI Flash, an on-board debugger, five user buttons, as well as USB (Device and Host), I²S, I²C, and UART Interfaces.

Installing MPLAB® IDE and C Compilers

Before you use the PIC32 Bluetooth Starter Kit, it is important that you have installed the Microchip MPLAB® Integrated Development Environment (IDE). MPLAB IDE provides the assembler tools you will use for development. You will also need a C Compiler for the demonstration code. The MPLAB C Compiler seamlessly integrates into MPLAB IDE. Both the MPLAB IDE and C Compiler are free (see the note below) and are available for download at <http://www.microchip.com/MPLAB> and <http://www.microchip.com/compilers>, respectively.

Note: Standard Evaluation (Free) – All optimization levels are enabled for 60 days, but then revert to optimization level 1 only.

Demonstration Code and More Information

For demonstration code and more information, visit: <http://www.microchip.com/pic32tools> and click the **PIC32 Bluetooth Starter Kit** product link.

Running the Demonstration Code

After downloading the demonstration code and installing the development tools, please use the procedure outlined in the `readme.txt` file included with the demonstration code to download and run this application.

Americas

Atlanta - 678-957-9614
Austin - 512-257-3370
Boston - 774-760-0087
Chicago - 630-285-0071
Cleveland - 216-447-0464
Dallas - 972-818-7423
Detroit - 248-848-4000
Houston - 281-894-5983
Indianapolis - 317-773-8323
Los Angeles - 949-462-9523
New York - 631-435-6000
Phoenix - 480-792-7200
Santa Clara - 408-961-6444
Toronto - 905-673-0699

Europe

Austria - Wels - 43-7242-2244-39
Denmark - Copenhagen - 45-4450-2828
France - Paris - 33-1-69-53-63-20
Germany - Munich - 49-89-627-144-0
Italy - Milan - 39-0331-742611
Netherlands - Druen - 31-416-690399
Spain - Madrid - 34-91-708-08-90
UK - Wokingham - 44-118-921-5869

Asia/Pacific

Australia - Sydney - 61-2-9868-6733
China - Beijing - 86-10-8569-2100

Asia/Pacific (Continued)

China - Chengdu - 86-28-8665-5511
China - Chongqing - 86-23-8980-9588
China - Hangzhou - 86-571-8792-8115
China - Hong Kong SAR - 852-2943-5100
China - Nanjing - 86-25-8473-2460
China - Qingdao - 86-532-8502-7355
China - Shanghai - 86-21-5407-5533
China - Shenyang - 86-24-2334-2829
China - Shenzhen - 86-755-8864-2200
China - Wuhan - 86-27-5980-5300
China - Xiamen - 86-592-2388138
China - Xian - 86-29-8833-7252
China - Zhuhai - 86-756-3210040
India - Bangalore - 91-80-3090-4444
India - New Delhi - 91-11-4160-8631
India - Pune - 91-20-3019-1500
Japan - Osaka - 81-6-6152-7160
Japan - Tokyo - 81-3-6880-3770
Korea - Daegu - 82-53-744-4301
Korea - Seoul - 82-2-554-7200
Malaysia - Kuala Lumpur - 60-3-6201-9857
Malaysia - Penang - 60-4-227-8870
Philippines - Manila - 63-2-634-9065
Singapore - 65-6334-8870
Taiwan - Hsin Chu - 886-3-5778-366
Taiwan - Kaohsiung - 886-7-213-7840
Taiwan - Taipei - 886-2-2508-8600
Thailand - Bangkok - 66-2-694-1351

03/25/14



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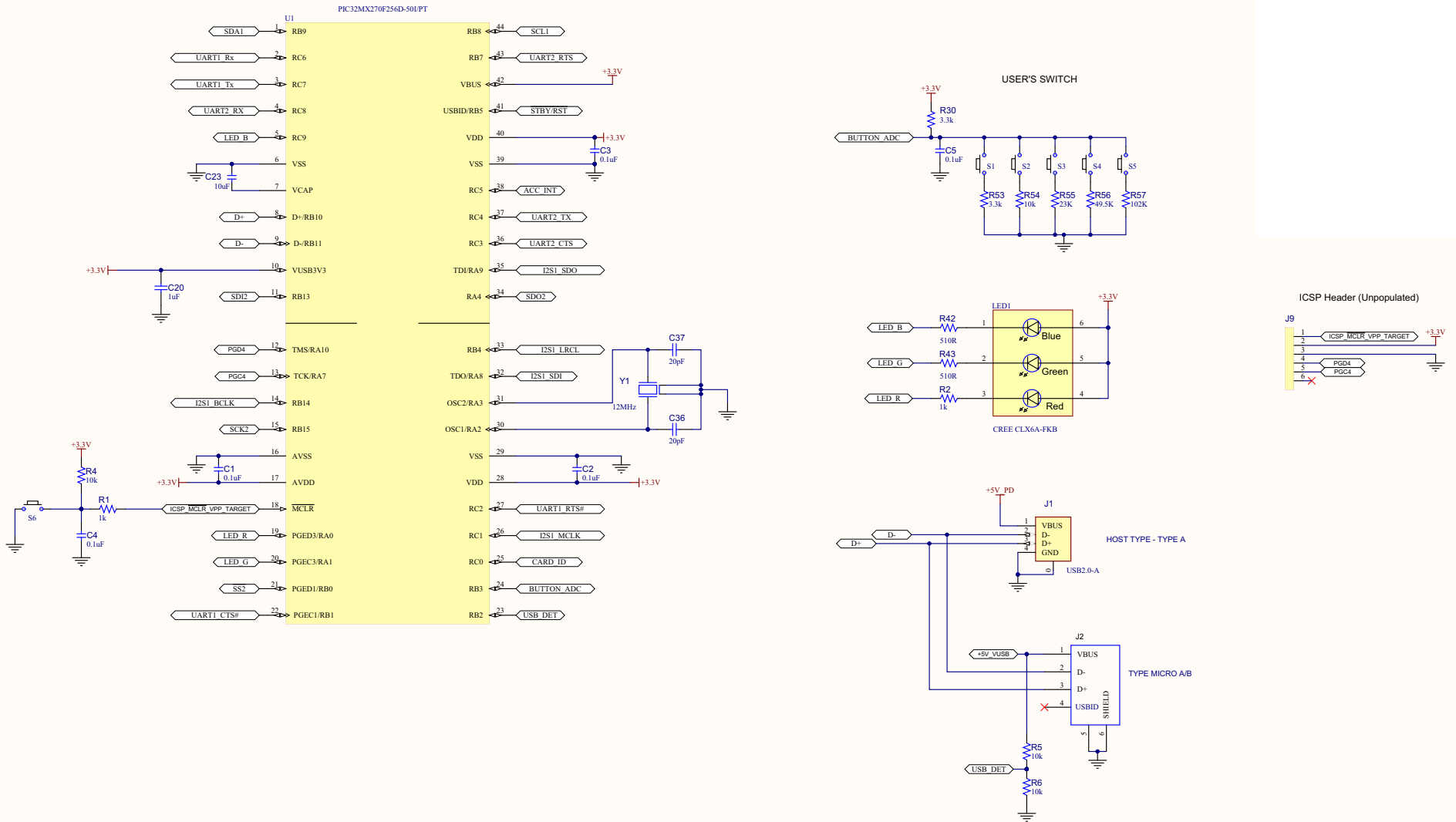
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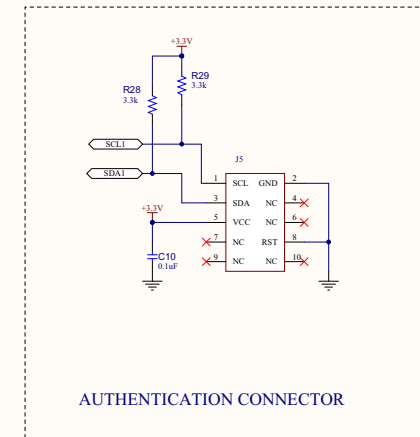
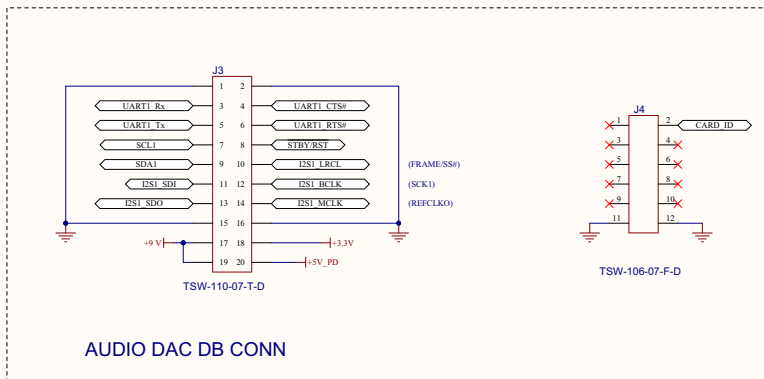
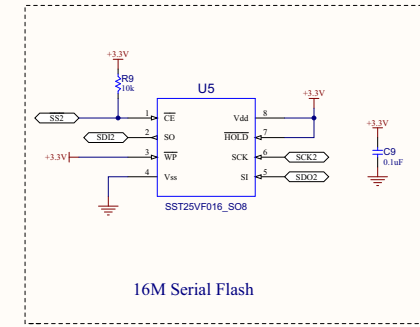
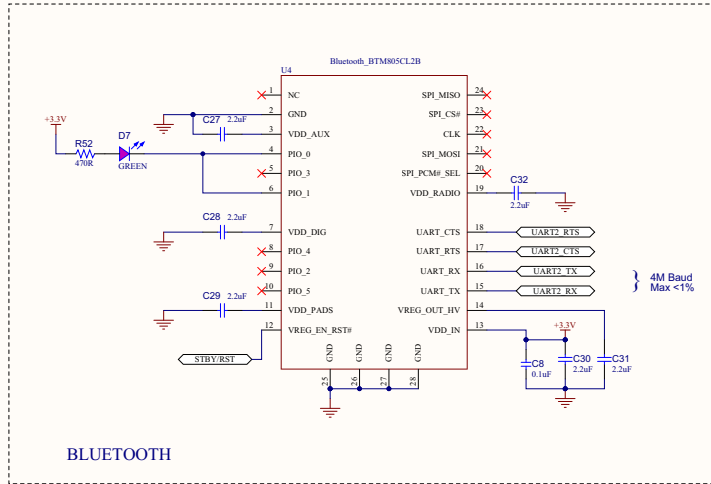
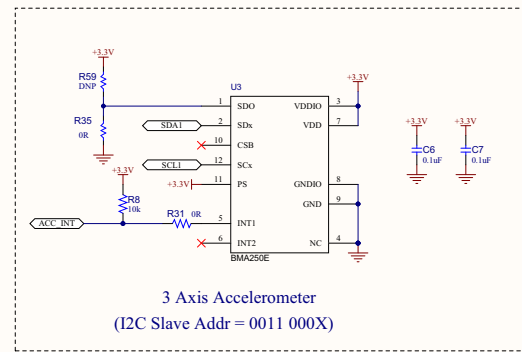
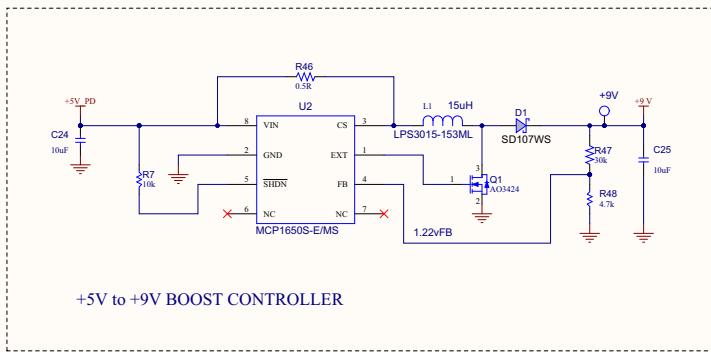
PIC32 Bluetooth Starter Kit Information Sheet

Schematic (Sheet 1 of 3)



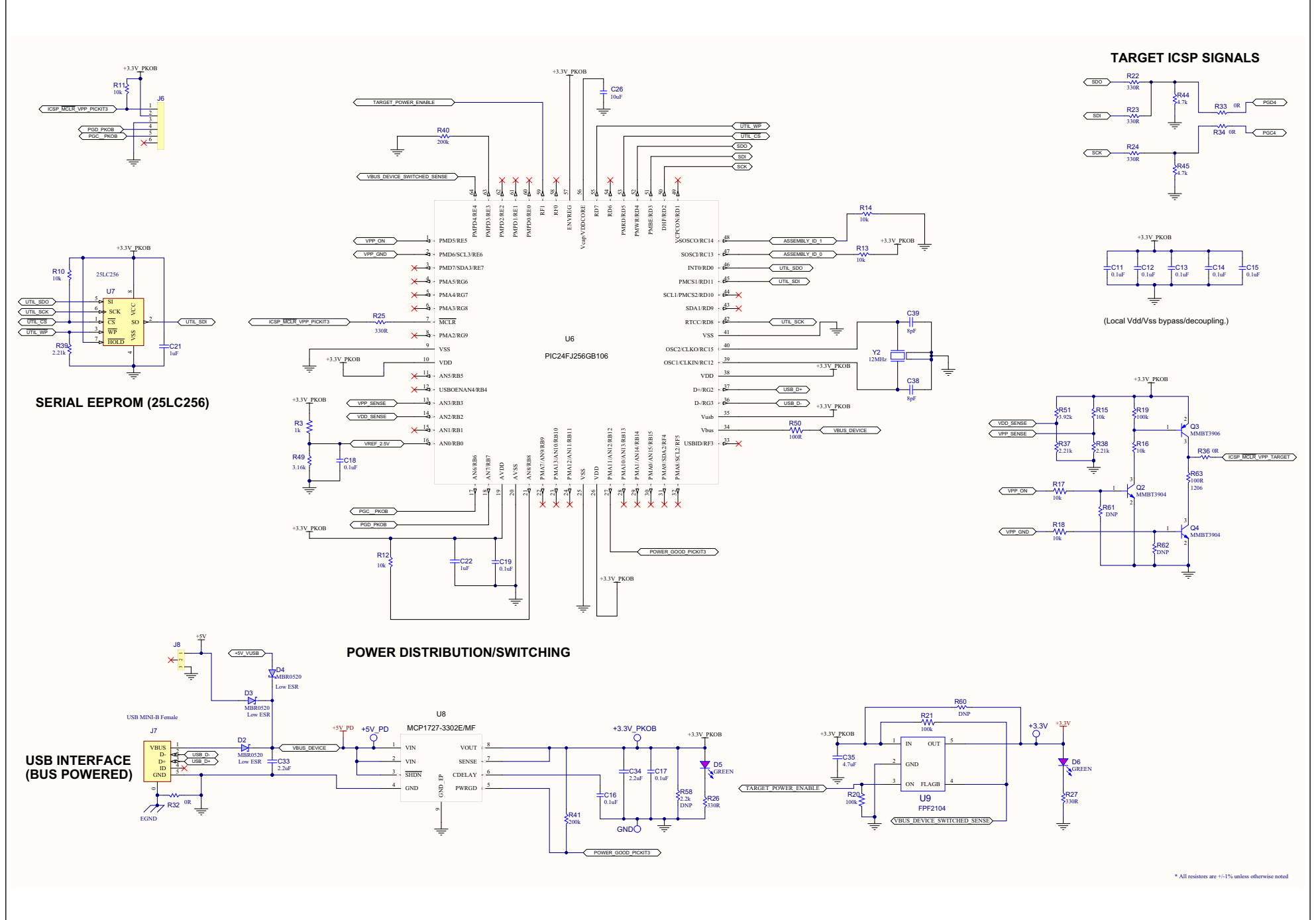
PIC32 Bluetooth Starter Kit Information Sheet

Schematic (Sheet 2 of 3)

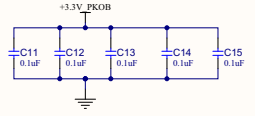
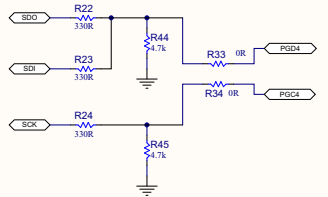


PIC32 Bluetooth Starter Kit Information Sheet

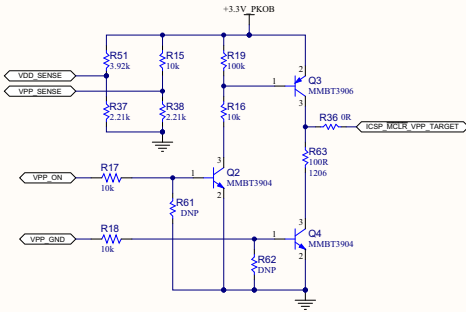
Schematic (Sheet 3 of 3)



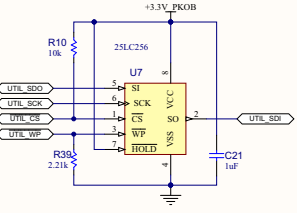
TARGET ICSP SIGNALS



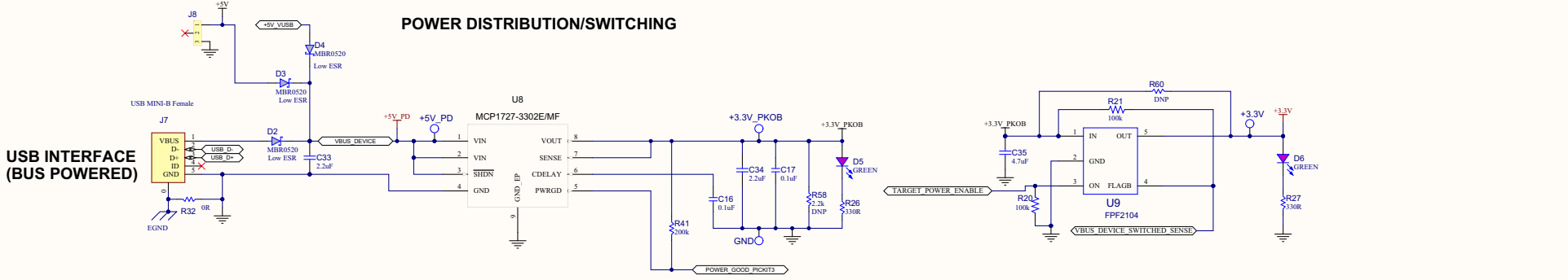
(Local Vdd/Vss bypass/decoupling.)



SERIAL EEPROM (25LC256)



POWER DISTRIBUTION/SWITCHING



* All resistors are +/-1% unless otherwise noted