

PIC32MX XLP Starter Kit Information Sheet

Thank you for purchasing the Microchip PIC32MX XLP Family Starter Kit, DM320105. This information sheet highlights some important details that will help you successfully use the board as quickly as possible.

Features

The PIC32MX XLP Starter Kit (DM320105) provides a low-cost method for development and testing of the XLP applications with the PIC32MX274F256D device.

The PIC32MX XLP Starter Kit includes the following:

- A standard A-to-B Micro-USB cable for the debugger
- A 9-axis IMU
- A light sensor
- A low-power BTLE radio
- Five user-configurable buttons
- A high-intensity CREE LED
- A 2x AA battery holder

Installing MPLAB® IDE and C Compilers

The MPLAB Integrated Development Environment (IDE) should be installed prior to using the PIC32MX XLP Starter Kit. While MPLAB IDE provides the assembler tools for development, the Microchip demonstration code requires installation of a C Compiler. Microchip's MPLAB C Compiler seamlessly integrates into MPLAB IDE. Both the MPLAB IDE and MPLAB C Compiler are free and are available for download from the Microchip web site: www.microchip.com/MPLAB and www.microchip.com/compilers.

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

Microchip Demonstration Code and More Information

For the free Microchip demonstration code, please visit the MPLAB Harmony page at www.microchip.com/harmony. For additional information, please visit the PIC32MX XLP Starter Kit page at www.microchip.com.

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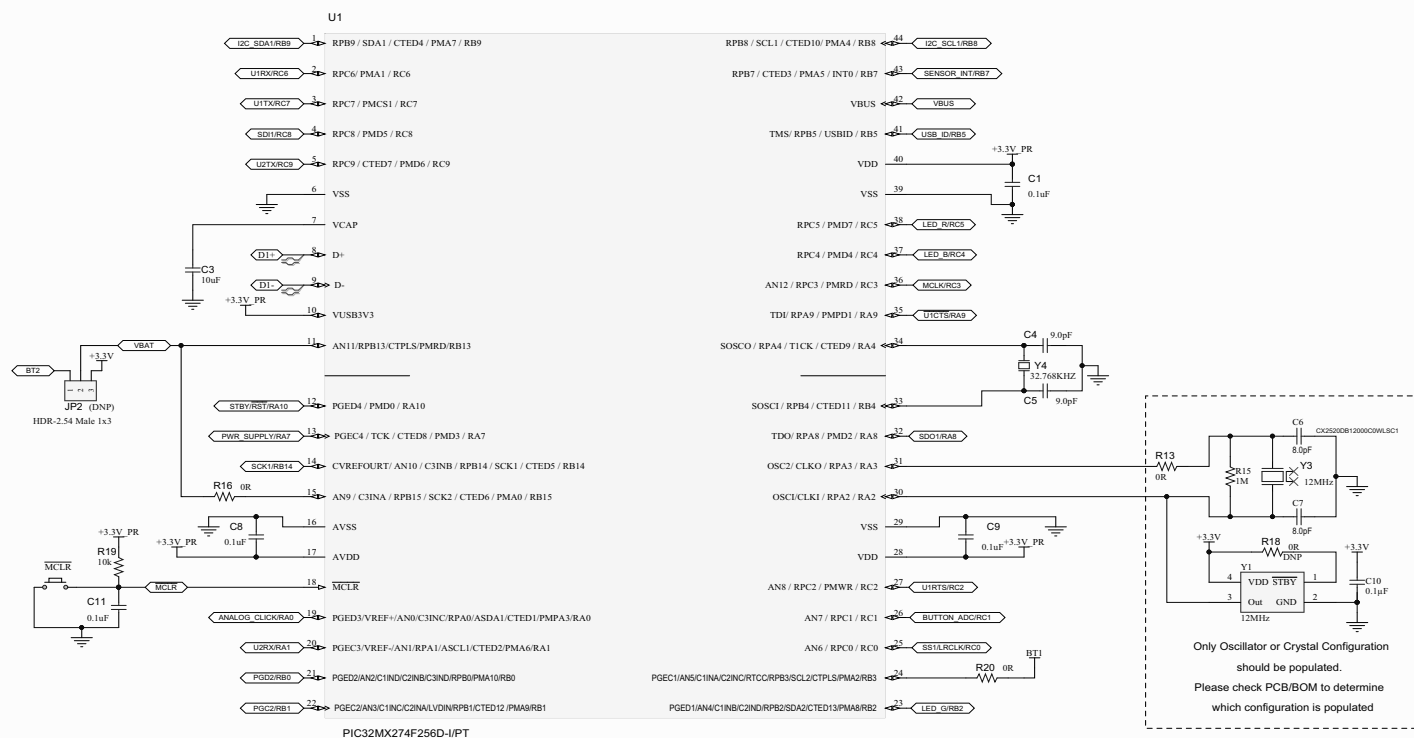
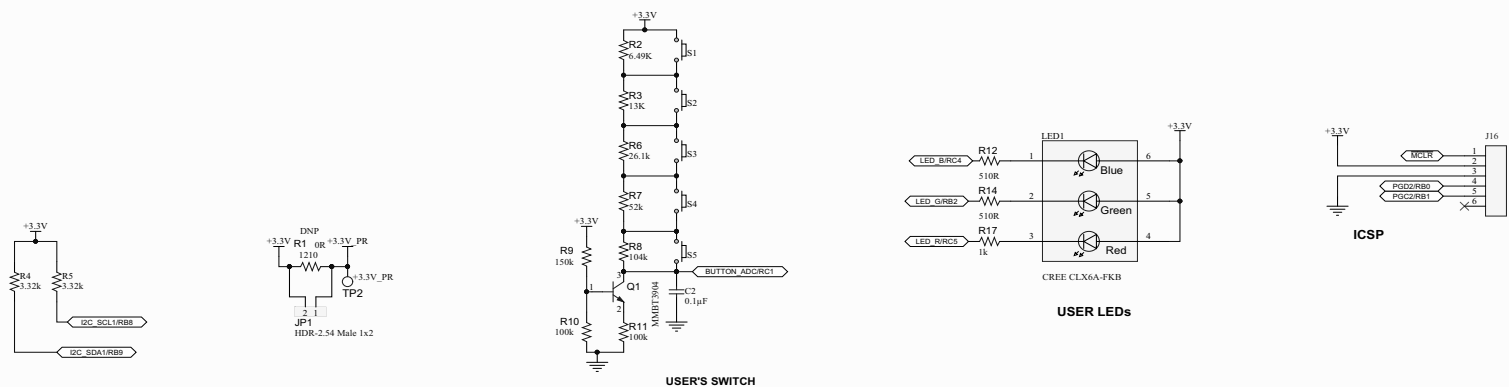
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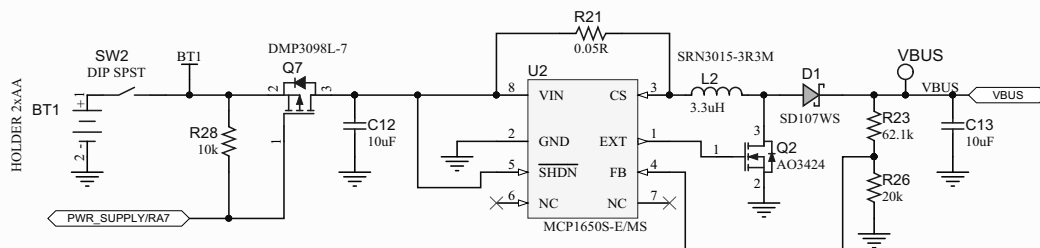
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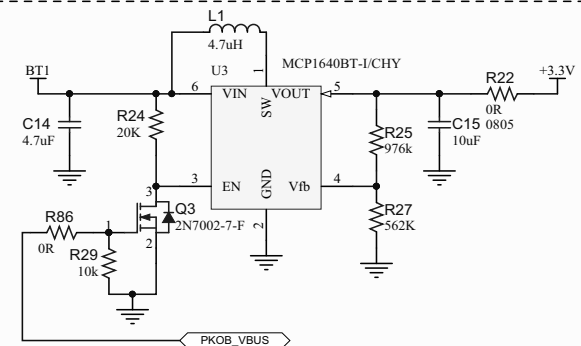




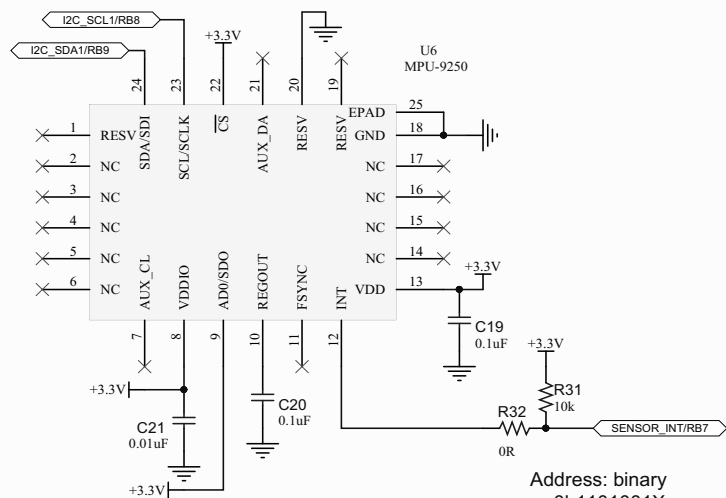
PIC32MX XLP Starter Kit Schematics (2 of 4)



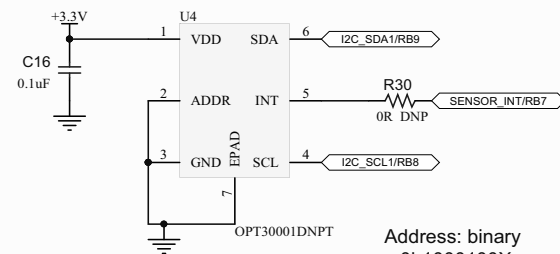
+3.0V to +5V BOOST CONTROLLER



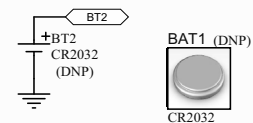
+3.0V to +3.3V BOOST CONTROLLER



Accelerometer, Gyroscope, Magnetometer, 3 Axis

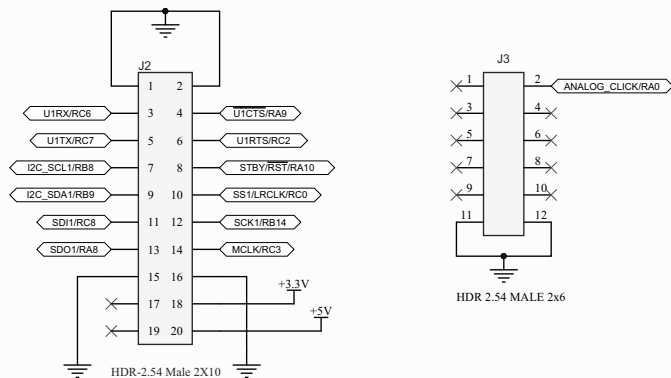


Ambient Light Sensor

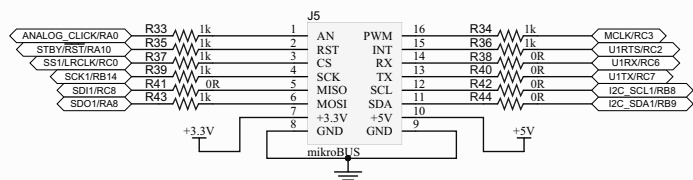
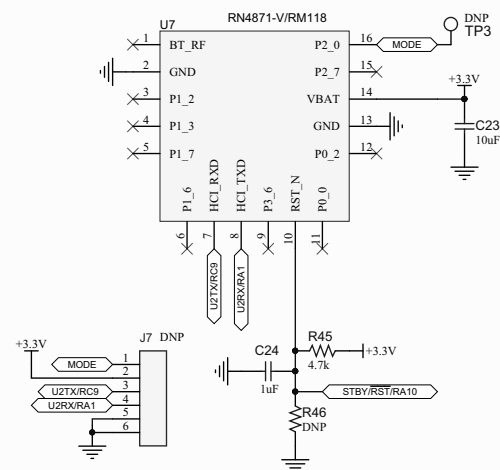


Coin Cell

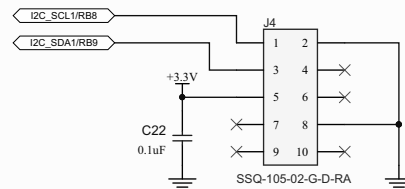
PIC32MX XLP Starter Kit Schematics (3 of 4)



"X32" HDR

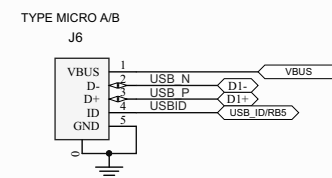


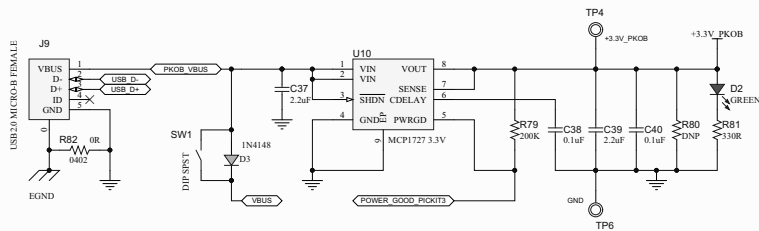
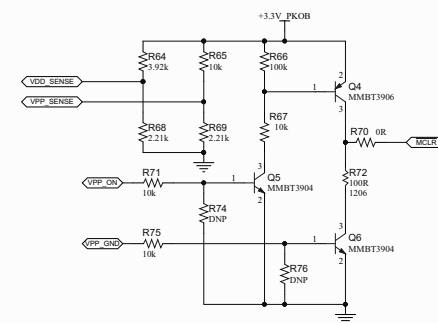
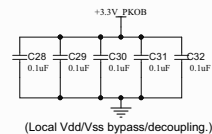
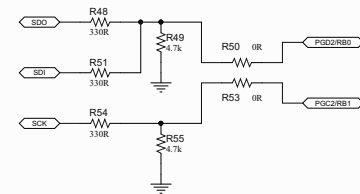
mikroBUS HDR



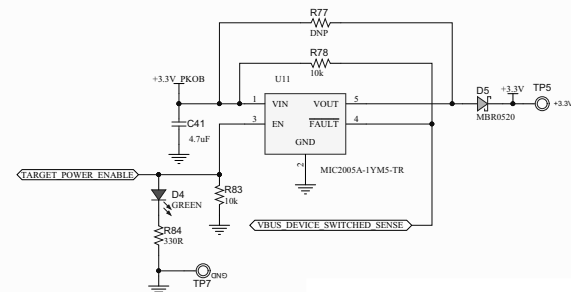
Authentication Adaptor CONN

DNP





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