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DS50002568B

PIC32MK General Purpose (GP) Development Board Information Sheet

Thank you for purchasing the PIC32MK General Purpose (GP) Development Board. This information sheet highlights some important details that will help you successfully use the board as quickly as possible.

Features

The PIC32MK General Purpose (GP) Development Board provides a low-cost method for the development and testing of CAN, USB, and other applications with PIC32MK GP devices.

Features of the PIC32MK General Purpose (GP) Development Board include:

- PIC32MK1024GPE-100: MIPS® MCU, 120MHz, DSP, FPU, 1MB Flash, 256K SRAM
- USB ports with Type-A, micro-B, and Type-C connectors
- 4-channel CAN Support through two DB9 connectors and two pin-headers
- Dual mikroBUS Click™ headers
- Solomon Systech SSD1963 Embedded Display SRAM LCD Controller with 50-Pin connector
- 30-pin general purpose header
- On-board debugger or programmer interface (through PKOB, REAL ICE3™, and MPLAB® ICD3)

This evaluation kit includes:

- PIC32MK GP Development Board
- Type-A to micro-B USB cable

Installing MPLAB X IDE and MPLAB XC32 C/C++ Compiler

Before using the PIC32MK GP Development Board, users must install the Microchip MPLAB X Integrated Development Environment (IDE) and the MPLAB XC32 C/C++ Compiler. Both MPLAB X IDE and MPLAB XC32 C/C++ Compilers are free and are available for download at:

- http://www.microchip.com/MPLAB
- http://www.microchip.com/compilers

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

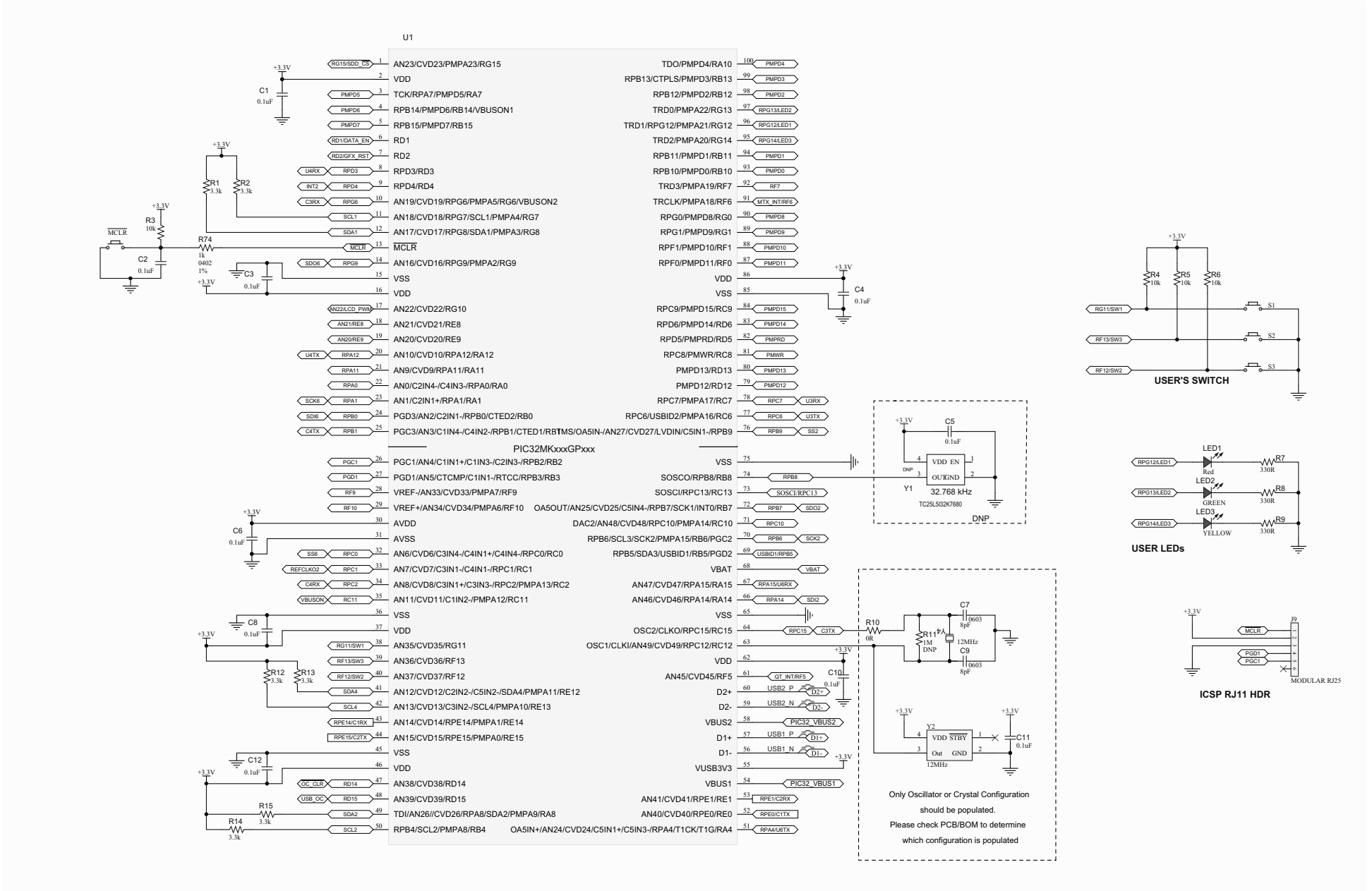
Running the Demonstration Code and More Information

For a free Microchip demonstration code and more information, please visit the MPLAB Harmony web page at: http://www.microchip.com/MPLABHarmony.

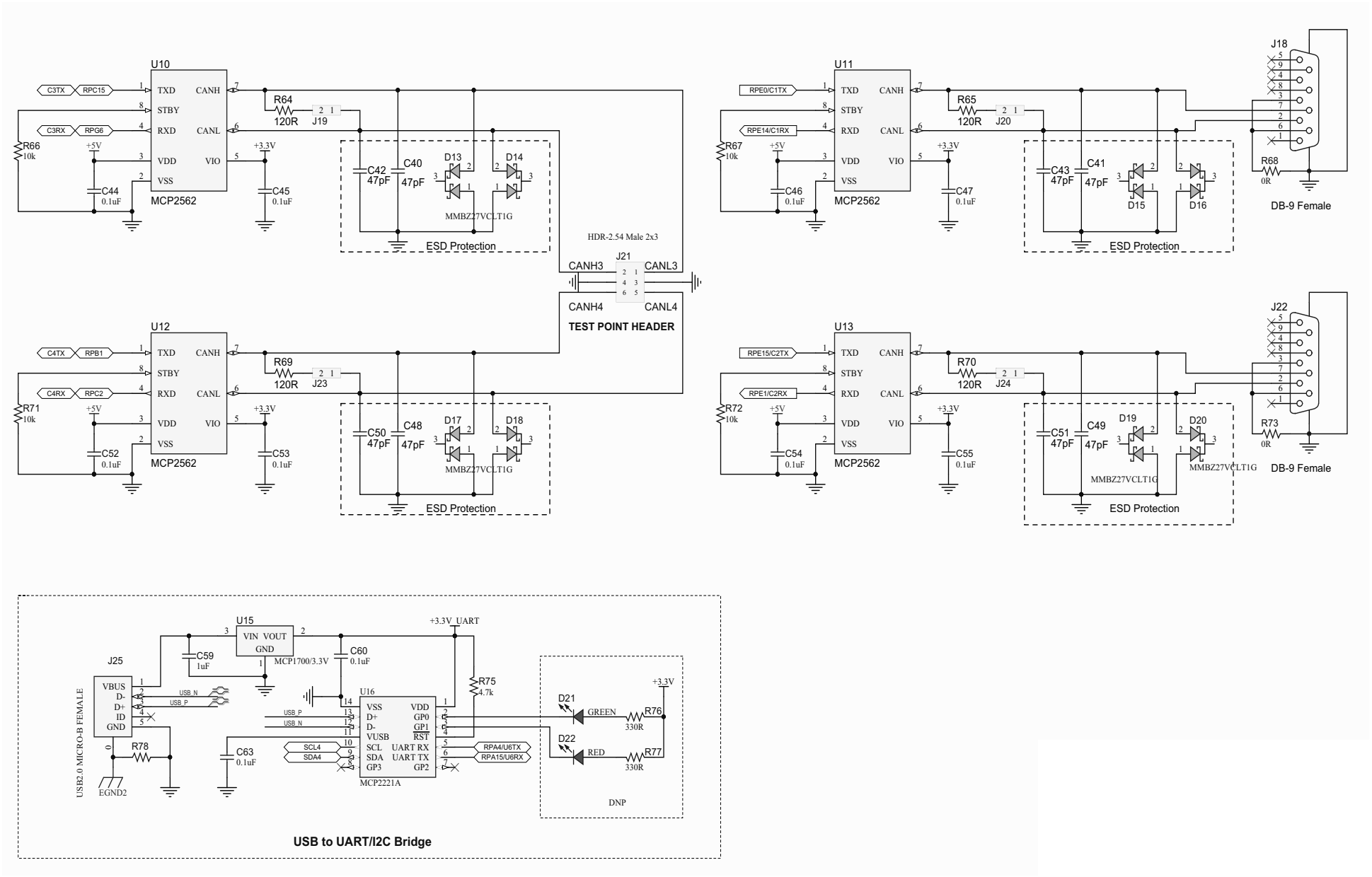
The MPLAB Harmony Integrated Software Framework includes several demonstrations, which have configurations for the PIC32MK GP starter kit. These demonstrations are located in the <install-dir>/apps folder of the user MPLAB Harmony installation, where <install-dir> is either C:/microchip/harmony/<version> (for Windows) or ~/microchip/harmony/<version> (for MAC or Linux).

For additional information on demonstrations and for building or running steps, refer to help documentation available in the <install-dir>/doc folder.

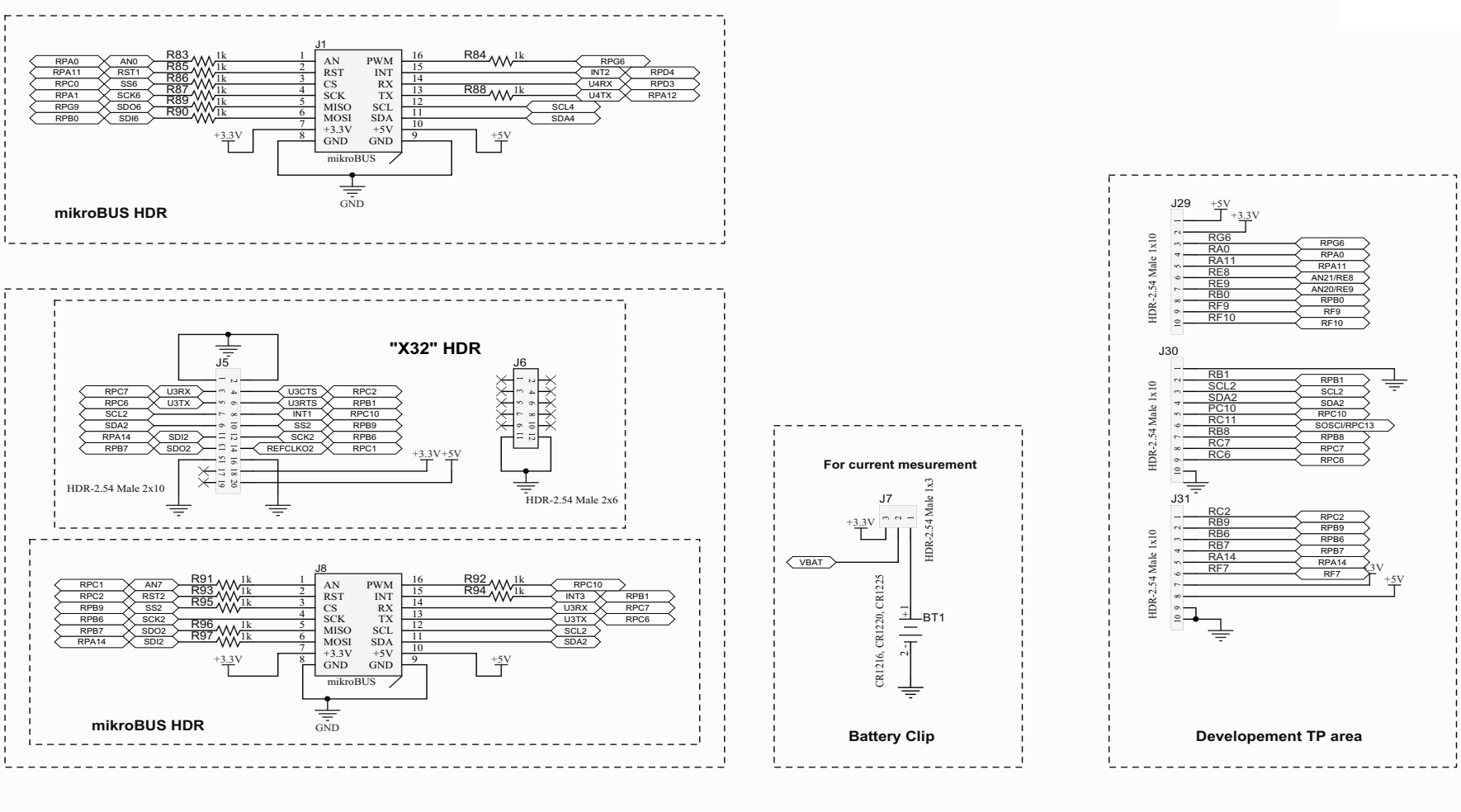
PIC32MK General Purpose (GP) Development Board Schematics (1 of 6)



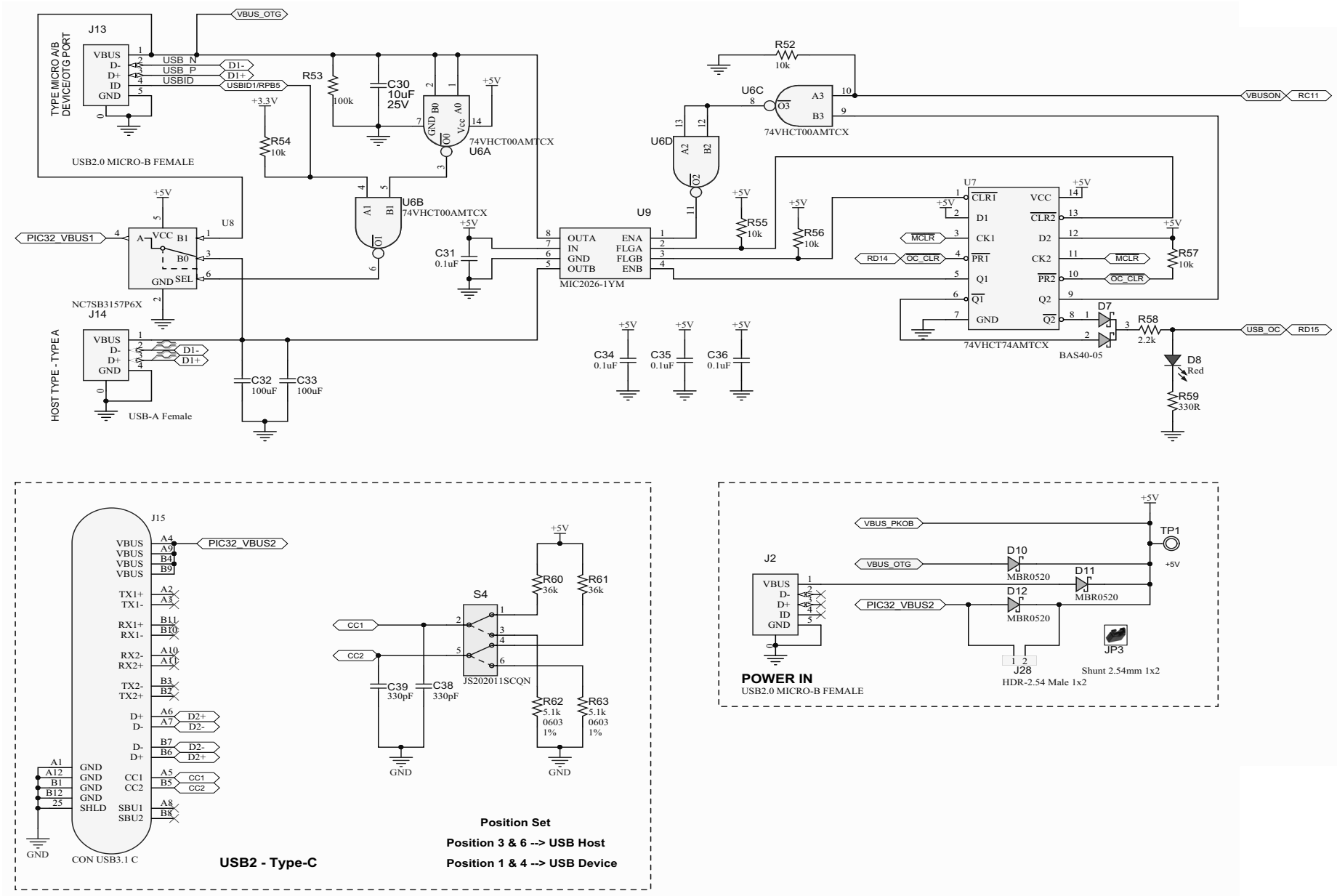
PIC32MK General Purpose (GP) Development Board Schematics (2 of 6)



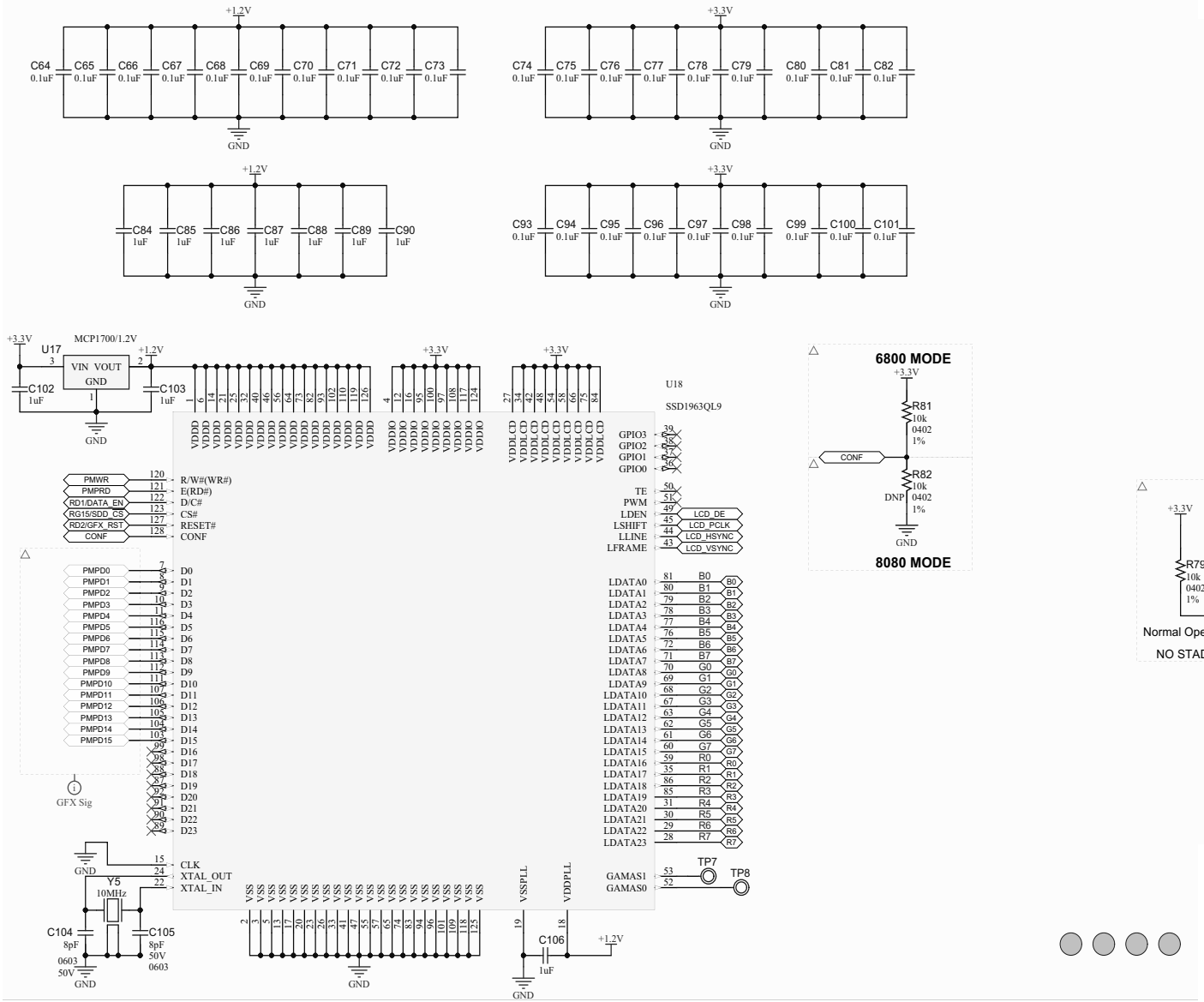
PIC32MK General Purpose (GP) Development Board Schematics (3 of 6)

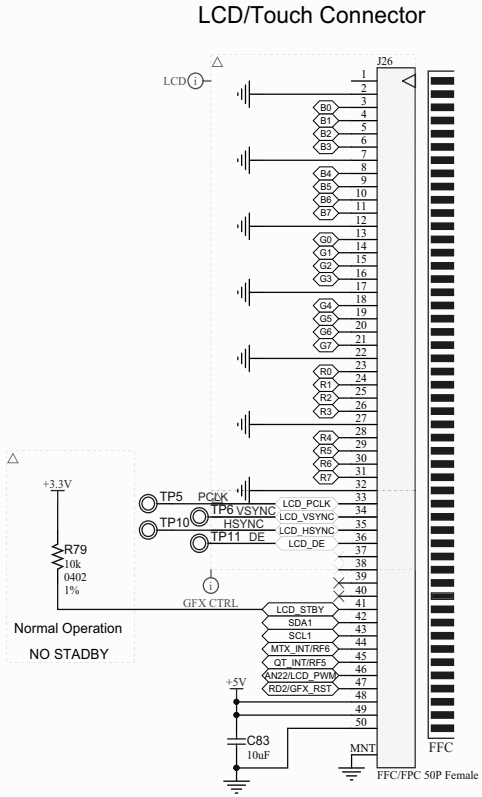
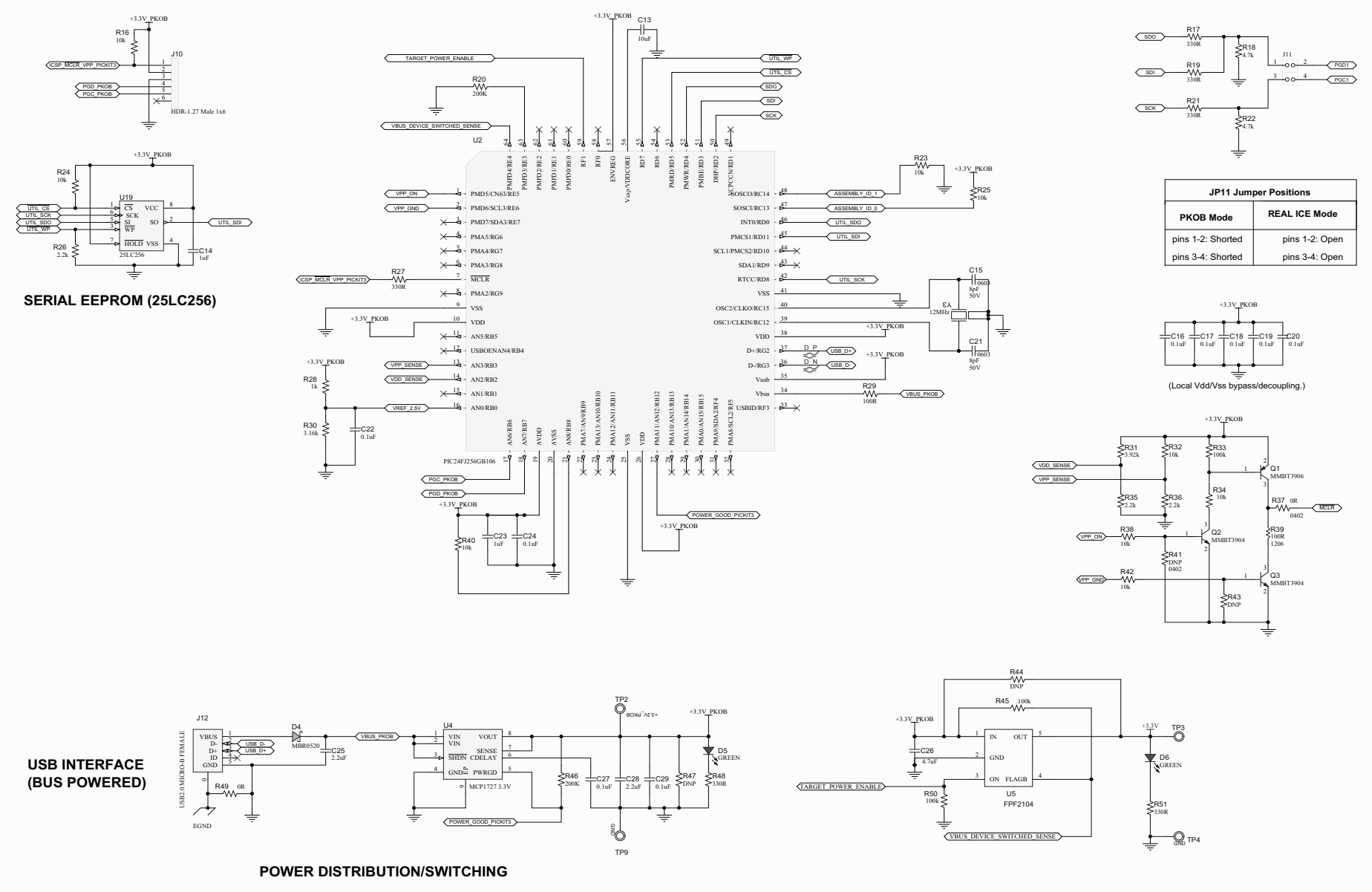


PIC32MK General Purpose (GP) Development Board Schematics (4 of 6)



PIC32MK General Purpose (GP) Development Board Schematics (5 of 6)





PIC32MK General Purpose (GP) Development Board Schematics (6 of 6)