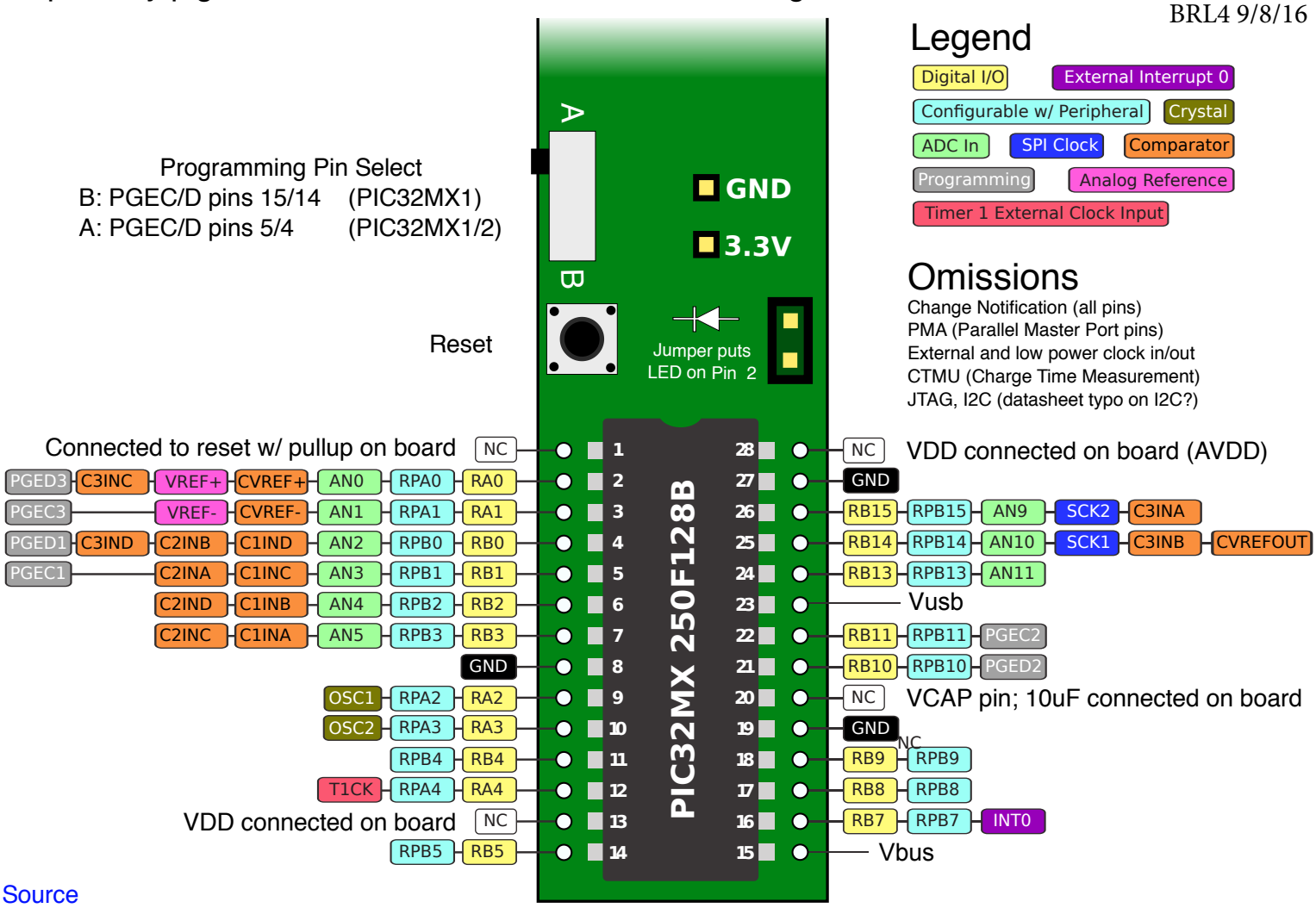
Microstick II w/ PIC32MX2xx Pinout

Inspired by pighixx's "Unofficial Arduino Uno Pinout Diagram"

Modified by BRL4 9/8/16



Legend

- Digital I/O
- External Interrupt 0
- Configurable w/ Peripheral
- Crystal
- ADC In
- SPI Clock
- Comparator
- Programming
- Analog Reference
- Timer 1 External Clock Input

Omissions

Change Notification (all pins)
PMA (Parallel Master Port pins)
External and low power clock in/out
CTMU (Charge Time Measurement)
JTAG, I2C (datasheet typo on I2C?)

Source

PIC32MX2xx Peripheral Pin Selection Tables

Input (Peripherals map to Pin)		
Peripheral	**Register, <Bits>**	**Pin Selection**
External Interrupt 4	INT4R <3:0>	0000 = RPA0 0001 = RPB3 0010 = RPB4 0011 = RPB15 0100 = RPB7
Capture Input 4	IC4R <3:0>	
SPI 1 Slave Sync	SS1R <3:0>	
External Interrupt 3	INT3R <3:0>	0000 = RPA1 0001 = RPB5 0010 = RPB1 0011 = RPB11 0100 = RPB8
Input Capture 3	IC3R <3:0>	
UART 2 Receive	U2RXR <3:0>	
SPI 1 In	SDI1 <3:0>	
External Interrupt 2	INT2R <3:0>	0000 = RPA2 0001 = RPB6 0010 = RPA4 0011 = RPB13 0100 = RPB2
Capture Input 1	IC1R <3:0>	
Capture Input 5	IC5R <3:0>	
UART 1 Receive	U1RXR <3:0>	
SPI 2 In	SDI2R <3:0>	
External Interrupt 1	INT1R <3:0>	0000 = RPA3 0001 = RPB14 0010 = RPB0 0011 = RPB10 0100 = RPB9
Capture Input 2	IC2R <3:0>	
SPI 2 Slave Sync	SS2R <3:0>	

Output (Pins map to Peripheral)		
Pin	**Register, <Bits>**	**Peripheral Selection**
RPA0	RPA0R <3:0>	0000 = N/C 0001 = UART 1 Transmit 0011 = SPI 1 Slave Sync 0101 = Output Compare 1 0111 = Comparator 2 Out
RPB3	RPB3R <3:0>	
RPB4	RPB4R <3:0>	
RPB15	RPB15R <3:0>	
RPB7	RPB7R <3:0>	
RPA1	RPA1R <3:0>	0000 = N/C 0011 = SPI 1 Data Out 0100 = SPI 2 Data Out 0101 = Output Compare 2 0111 = Comparator 3 Out
RPB5	RPB5R <3:0>	
RPB1	RPB1R <3:0>	
RPB11	RPB11R <3:0>	
RPB8	RPB8R <3:0>	
RPA2	RPA2R <3:0>	0000 = N/C 0011 = SPI 1 Data Out 0100 = SPI2 Data Out 0101 = Output Compare 4 0110 = Output Compare 5
RPB6	RPB6R <3:0>	
RPA4	RPA4R <3:0>	
RPB13	RPB13R <3:0>	
RPB2	RPB2R <3:0>	
RPA3	RPA3R <3:0>	0010 = UART 2 Transmit 0100 = !SPI 2 Slave Sync 0101 = Output Compare 3 0111 = Comparator 1 Out
RPB14	RPB14R <3:0>	
RPB0	RPB0R <3:0>	
RPB10	RPB10R <3:0>	
RPB9	RPB9R <3:0>	

Omissions

Reference Clock In/Out
Timer External Clock Input
UART CTS, RTS
Output Compare Fault Input
Pins unavailable on PDIP (RPCx, etc.)

Source 1
Source 2