

PIN Mapping (PIC32MM0256GPM036 40 PIN UQFN - 5x5 mm)					
PIN No	DETAIL	5V Tolerance	Description	CUSTOM NAME	USAGE
1	SDA2	YES	I2C2 data input/output	SDA	SDA (HW-I2C)
2	SCL2	YES	I2C2 synchronous serial clock input/output	SCL	SCL (HW-I2C)
3	RC0		PORTC digital I/Os	MISO0	SW-SPI-MISO-COL0
4	RC1		PORTC digital I/Os	MISO1	SW-SPI-MISO-COL1
5	RC2	YES	PORTC digital I/Os	MISO2	SW-SPI-MISO-COL2
6	Vss		Digital modules ground	Vss	Vss
7	OSC1 / RA2	YES	Primary Oscillator crystal / PORTA digital I/Os	SCK0	SW-SPI-SCK0 (SCK0)
8	OSC2 / RA3	YES	Primary Oscillator crystal / PORTA digital I/Os	SCK1	SW-SPI-SCK1 (SCK1)
9	RB4	YES	PORTB digital I/Os	MISO3	SW-SPI-MISO-COL3
10	RA4	YES	PORTB digital I/Os	MISO4	SW-SPI-MISO-COL4
11	RA9	YES	PORTA digital I/Os	MISO5	SW-SPI-MISO-COL5
12	Vss		Digital modules ground	VSS	VSS
13	VDD		Digital modules power supply	VDD	VDD
14	RC3		PORTC digital I/Os	MISO6	SW-SPI-MISO-COL6
15	RB5	YES	PORTB digital I/Os	MISO7	SW-SPI-MISO-COL7
16	RB6	YES	PORTB digital I/Os	MISO8	SW-SPI-MISO-COL8
17	RB7	YES	PORTB digital I/Os	MOSI0	SW-SPI-MOSI
18	SCK1	YES	SPI1 clock (input or output)	SCK	HW-SPI-SCK
19	NC		No Connection	NC	NC
20	SDO1	YES	SPI1 Data Output	MISO	HW-SPI-MISO
21	RC8		PORTC digital I/Os	MOSI1	SW-SPI-MOSI
22	RC9	YES	PORTC digital I/Os	CS0	CS-ROW0
23	NC		No Connection	NC	NC
24	VCAP		Core voltage regulator filter capacitor connection	VCAP	FREE (VCAP)
25	NC		No Connection	NC	NC
26	VDD		Digital modules power supply	VDD	VDD
27	RB10	YES	PORTB digital I/Os	CS1	CS-ROW1
28	RB11	YES	PORTB digital I/Os	CS2	CS-ROW2
29	VUSB3V3		USB transceiver power input (3.3V nominal)	VUSB3V3	FREE (VUSB3V3)
30	RB13	YES	PORTB digital I/Os	CS3	CS-ROW3
31	SDI1	YES	SPI1 Data Input	MOSI	HW-SPI-MOSI
32	!SS1	YES	SPI1 slave select input	CS	HW-SPI-CS-IN
33	AVSS / VSS		Analog/Digital modules ground	VSS	VSS
34	AVDD / VDD		Analog/Digital modules power supply	VDD	VDD
35	MCLR		Master Clear (device Reset)	MCLR	MCLR - DEVICE RESET
36	RA0	YES	PORTA digital I/Os	CS4	CS-ROW4
37	RA1	YES	PORTA digital I/Os	CS5	CS-ROW5
38	PGED1	YES	ICSP Port 1 programming data	PGED	PGED
39	PGEC1	YES	ICSPTM Port 1 programming clock input	PGEC	PGEC
40	NC		No Connection	NC	NC