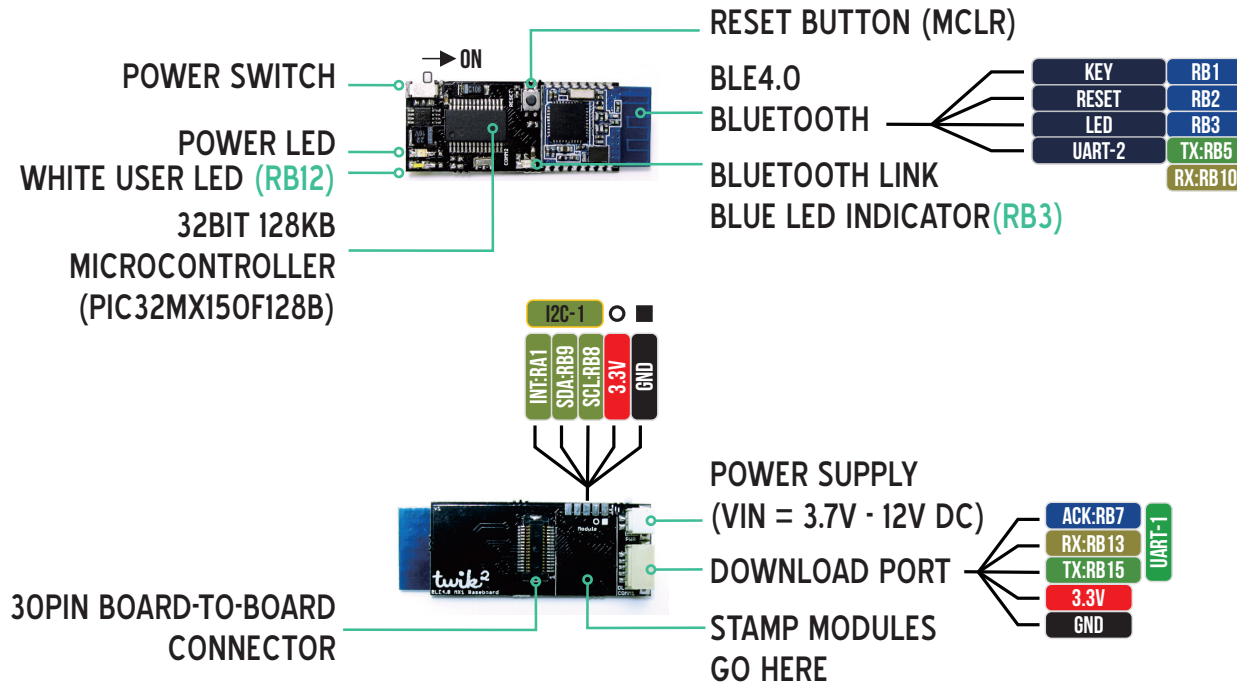
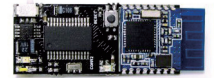


# INFO SHEET

## PROTO:BLE



## CORE PROTO:BLE

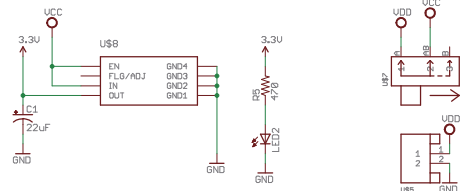


Dimensions: 42x15mm

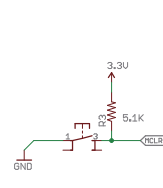
PIC32MX150F128B

# SCHEMATICS

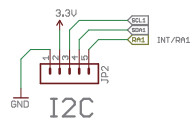
## Power Regulator



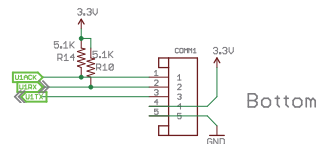
Reset Button



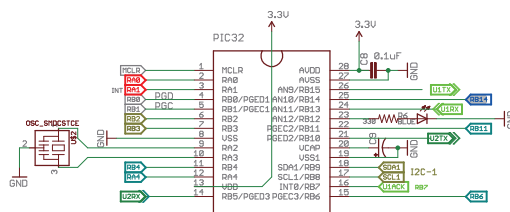
I2C Stamp Pad



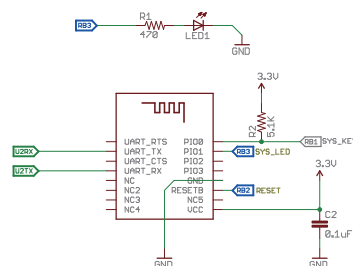
UART



PIC32



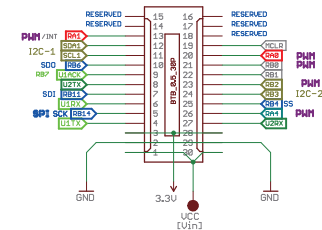
BLE 4.0



BTB 30P

[ REV.X - MX1 ]

BTB\_M\_CORE\_BD



PIC32MX150F128B

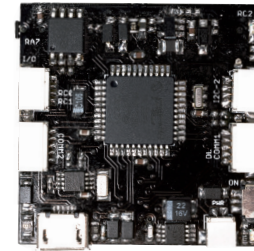
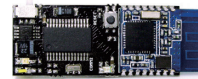
### Onboard Peripherals:

```

USER_LED: White - RB12
BLE4.0 Bluetooth - HM-11
  Serial - UART-2
  BLE_KEY - RB1
  Reset - RB2
  BLE_LED - RB3
  Pin Out - UART-1
  Stamp Pad - I2C-1

```

# CORE OVERVIEW // TECH SPECS



	PROTO	PROTO:BLE	MITO:mOLED	MITO
<b>Program Flash</b>	128KB	128KB	128KB	128KB
<b>SRAM</b>	32KB	32KB	32KB	32KB
<b>Speed*</b>	40MHz	40MHz	40MHz	40MHz
<b>Operating Voltage</b>	3.3V	3.3V	3.3V	3.3V
<b>Current Consumption</b>	20mA	25mA	45mA	20mA
<b>UART</b>	2	1+BLE	2	1
<b>SPI</b>	1	1	1	(1)
<b>I2C</b>	2	1	2	(1)
<b>PWM</b>	4	4	4	3
<b>ADC</b>	7	5	11	7
<b>USB OTG</b>	-	-	YES	YES
<b>User LED</b>	1	1	1	1
<b>User Button</b>	-	-	2	1

\*MAX SPEED 50MHZ. TWEEQ SHIPS WITH 40MHZ BY DEFAULT.

SHOULD YOU REQUIRE THE EXTRA SPEED, IT CAN BE DONE EASILY BY CHANGING THE BOOTLOADER VERSION VIA AVR-DUDE.