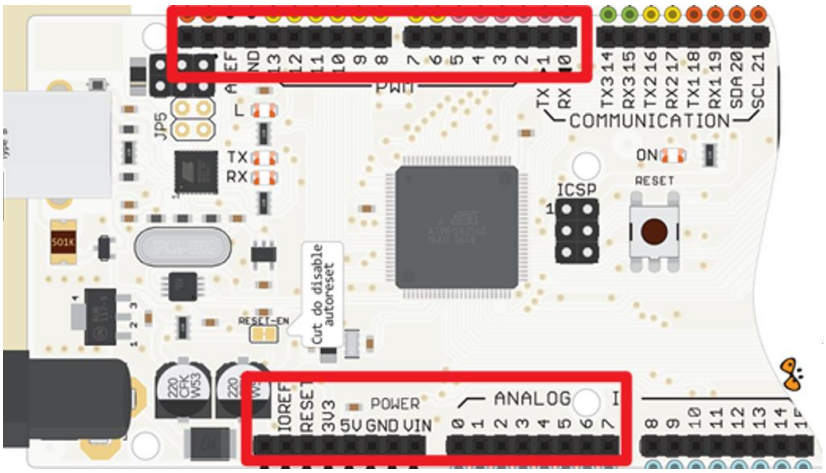
Usage of BM25S4021-1 in Arduino MEGA 2560

→Please first review the "**BM25S4021-1 Example Description**" document.

→ The front section of the Arduino MEGA 2560 is compatible with Arduino UNO/BMduino UNO (red pins in the image below).



→In the example, you need to modify the constructor parameters based on the actual interface used:

（1） If using software UART: BM25S4021_1(uint8_t rxPin, uint8_t txPin)

BM25S4021_1(uint8_t rxPin,uint8_t txPin)	
Description	Constructor using SW Serial interface
Parameters	rxPin： RX pin, connected to the module's TX pin txPin： TX pin, connected to the module's RX pin
Return Value	-
Remarks	-

（2） For example, if D6 is used as the host RX and D7 as the host TX, the constructor parameters would be: BM25S4021_1 myTDS(7, 6);

If using hardware UART:

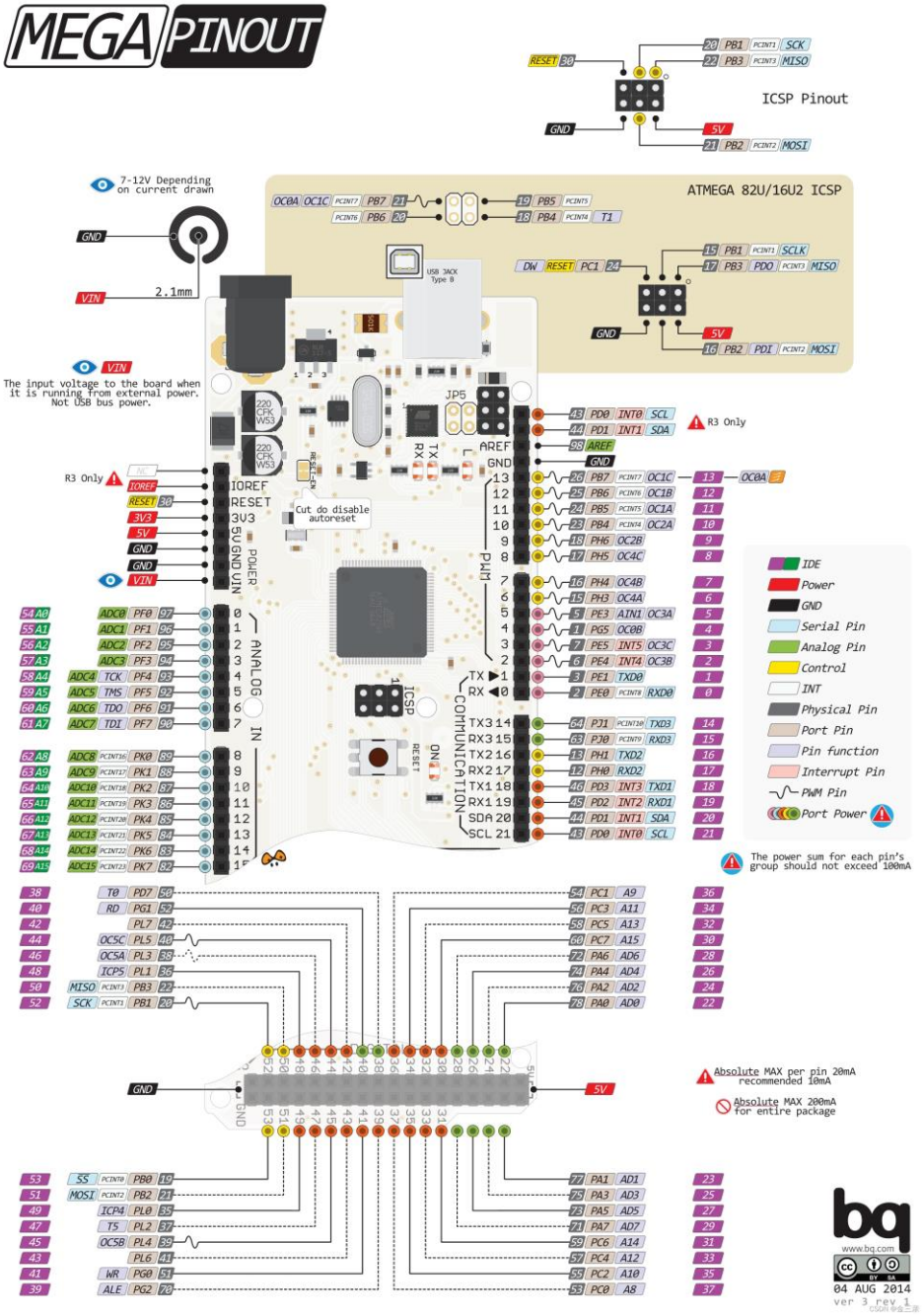
BM25S4021_1(HardwareSerial*theSerial=&Serial)	
Description	Constructor using HW Serial interface
Parameters	* theSerial： Choose the HW Serial interface
Return Value	-
Remarks	-

For example, if using hardware Serial1, the constructor parameters would be: BM25S4021_1 myTDS(&Serial1);

Note: The hardware distribution of Arduino UNO, Arduino MEGA, and BMduino UNO is as follows:

	Arduino UNO Development Board (Has 1 hardware UART)	Arduino MEGA Development Board (Has 4 hardware UARTs)	Bmduino UNO Development Board (Has 5 hardware UARTs)
Serial	D0(RX),D1(TX)		
Serial1	無	D19(RX1),D18(TX1)	D20(RX1),D21(TX1)
Serial2	無	D17(RX2),D16(TX2)	D23(RX2),D24(TX2)
Serial3	無	D15(RX3),D14(TX3)	D28(RX3),D27(TX3)
Serial4	無	無	D5(RX4),D4(TX4)

Arduino MEGA Pinout



BMduino UNO Pinout