Connected Humber Node

Jumpers

Jumper	Purpose	Comment
JP1	HSS Fault	If fitted the FAULT signal from the high side switch can be read on GPIO16. It needs to be removed for programming. If the device is to be able to wake from deep sleep then a wire link needs to be soldered between GPIO16 and RST on the WeMOS with this link removed
JP2	Sensor 5V	Normally removed. Insert if fitted, sensor 5V will be permanently on.

Dust Sensor Conn J2

Pin	Comment
1	5V switched by high side switch unless JP2 is fitted. The high side switch is enabled with a high on GPIO14
2	GND
3	WeMOS Tx data from GPIO12
4	WeMOS Rx data to GPIO13

BME280 conn

The BME sensor should be a 4 pin variant and is accessed using I2C. The 6 pin variant will snag on capacitor C3 unless a female header 4 pin header is used.

Pin	Comment
1	3V3 – permanently on (as long as 5v is present)
2	GND
3	SCL
4	SDA