

WeatherDuino Pro2 PLUS

RX V2.00 Rev A

Parts List



Designation	Description	Quantity
R1	4 Ohm	1
C5	100uf / 16V Electrolytic Capacitor	1
COMLED	3mm LED	1
TXLED	3mm LED	1
microcontroller	Meduino Mega 2560 Pro-Mini	1
RTC	DS3231 for PI module	1
ATM Sensor	BMP180, BMP280 or BME280 – Barometric Pressure module*	1
Temp / Hum Sensor	HTU21D, SHT21 or SHT31 – I2C Temperature / Humidity Sensor*	1
433Mhz Receiver	BX-RM06 ASK OOK RF Receiver Module 433MHZ (RXB6)	1
433MHz transmitter	KXD-10036 RF Transmitter Module 433MHZ	1
RF Connectors	SMA Female Right Angle PCB Connector	2
Antennas	433Mhz Antennas with male SMA	2
PB1	Normally Open (NO) Momentary Switch (Push Button)	1
VP1	Toggle ON/OFF Switch (Run / Program Switch)	1
Power	2.5mm Power Plug Jack (PCB mounting) + 9V 1.5 Amp Power Supply	1
Color Display	ILI9341 2.8" TFT Display with Touch Panel (Touch version is required)	1

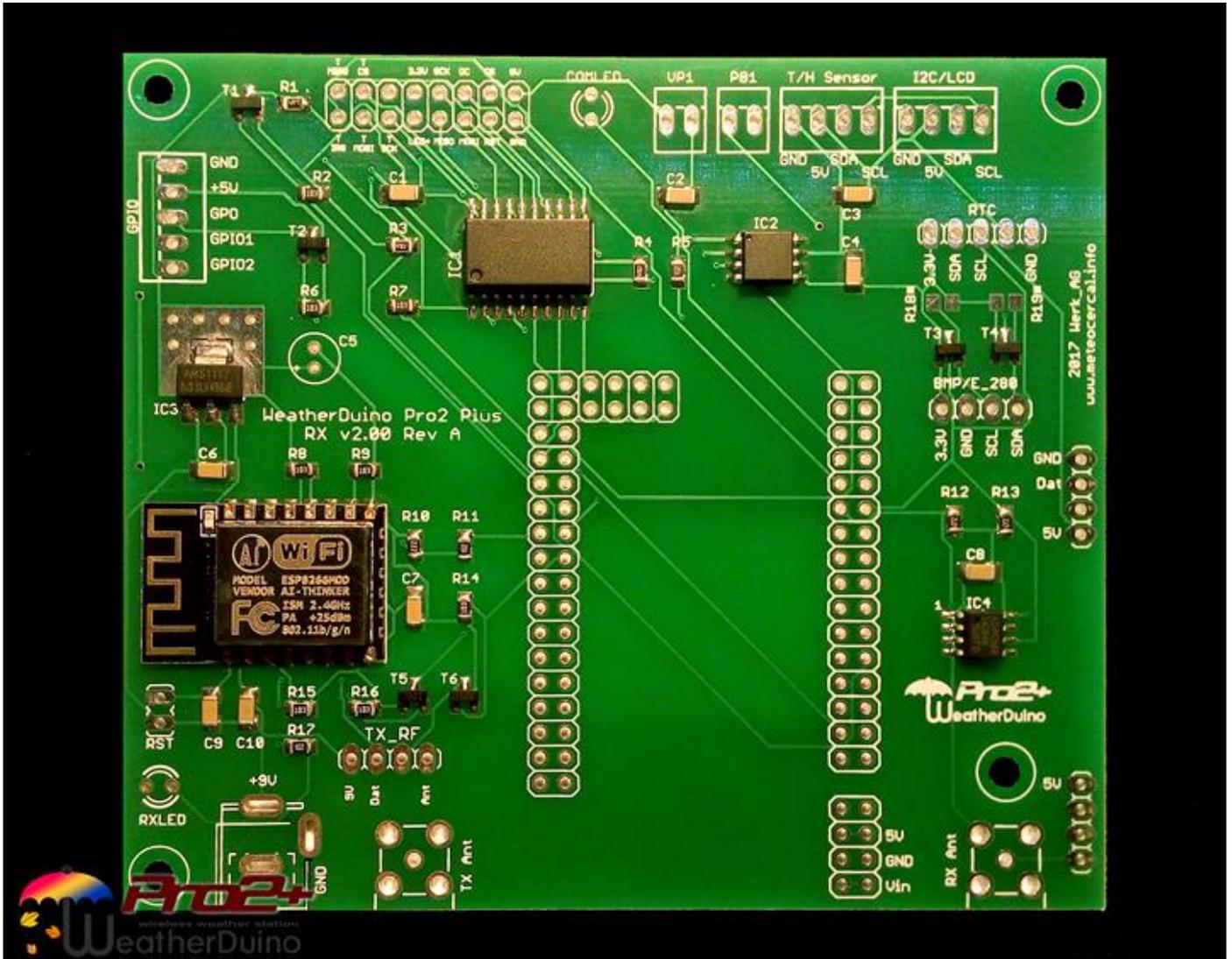
* The BME280 is a new environmental sensor from BOSCH which allows readings of the Atmospheric Pressure and ambient Temperature / Humidity with a single sensor. If you choose to use the BME280, you don't need any additional Temperature / Humidity sensor.

Obs: You will also need, some single and dual row 2.54mm pin headers and / or connectors. Use your own judgment and experience to choose what best fits your requirements.

The easier and fast way to find all parts is searching on eBay, by the parts name. All of them can easily be found at several stores.

WeatherDuino Pro2 Plus

RX V2.00 Rev A



WeatherDuino Pro2 Plus

RX V2.00 Rev A

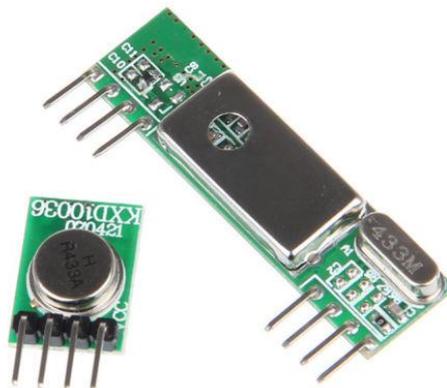
Pictures from some of the required parts.

They are all available on eBay

Meduino Mega 2560 Pro-Mini



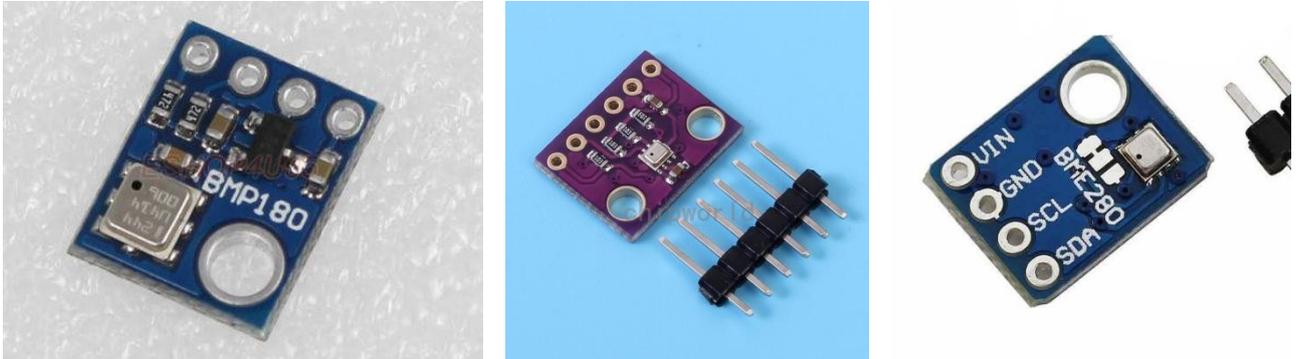
RX and TX module



BX-RM06 ASK OOK RF Receiver Module 433MHZ

KXD-10036 RF Transmitter Module 433MHZ

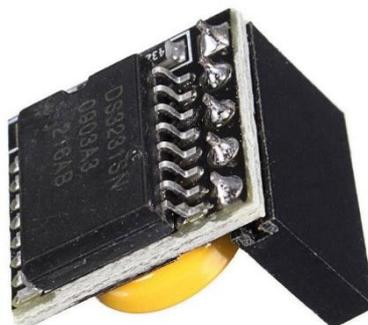
**Barometric Pressure Sensor
BMP180 / BMP280 or BME280 (3.3V or 5V versions)**



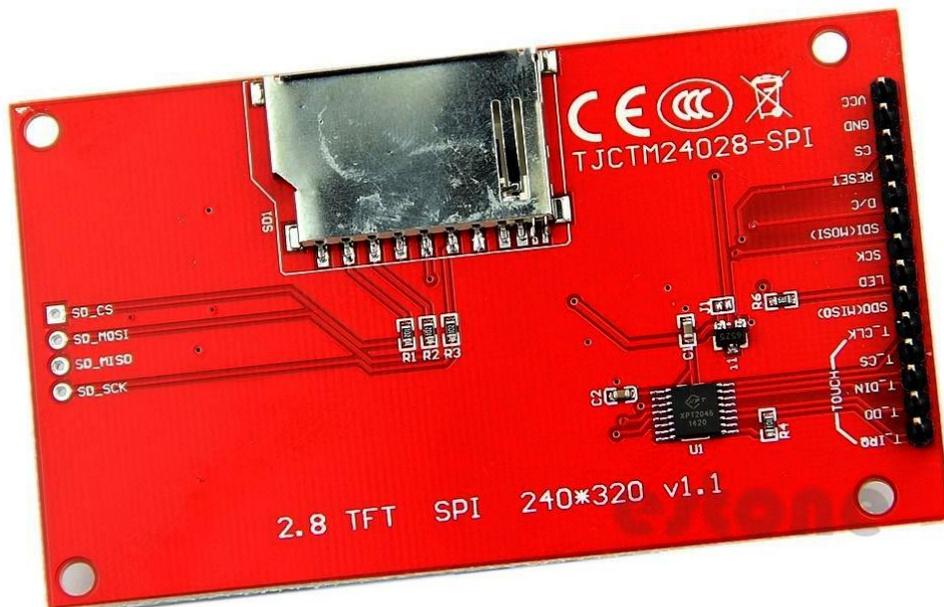
**Inside Temperature / Humidity Sensor
HTU21D, SHT21 or SHT31 (5Volt versions)**



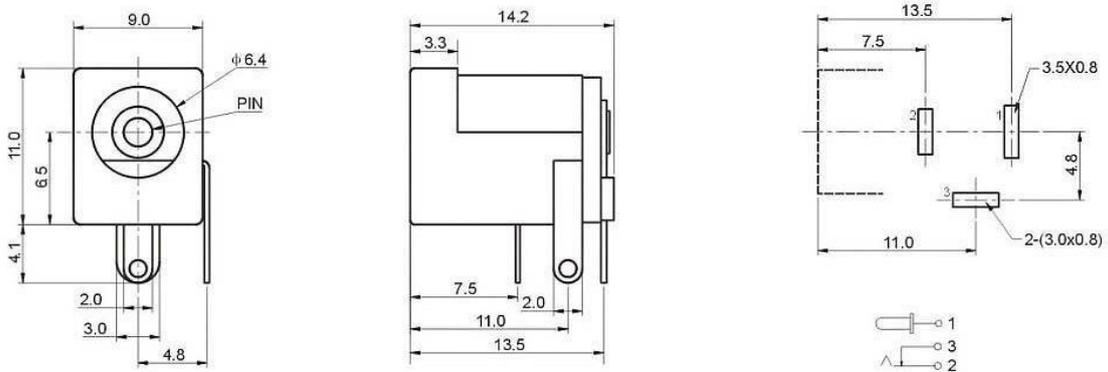
DS3231 Real Time Clock Module for PI



ILI9341 2.8" TFT Display with Touch Panel



2.5mm Power Plug Jack (PCB mounting)



SMA Female Right Angle PCB Connector



Double and Single Row, 2.54mm Pin Headers



Normally Open (NO) Momentary Switch (Push Button)

Pictures are merely illustrative; any good quality push button will work



Toggle ON/OFF Switch (Run / Program Switch)

Picture is merely illustrative

