





# Part List

## Bill of Materials for Project [HW1.PrjPcb] (No PCB Document Selected)

Source Data From: HW1.PrjPcb  
 Project: HW1.PrjPcb  
 Variant: None

Report Date: 2020/11/16 下午 10:22  
 Print Date: 16-Nov-20 10:24:09 PM

Designator	Comment	LibRef	Footprint	Description
3.3v-10uf, 3.3v-47uf, crystal1, crystal2	Cap Semi	Cap Semi	C1210	Capacitor (Semiconductor SIM Model)
3.3v supply	AMS1117-3.3	AMS1117-3.3	SOT229P700X180-4N	Integrated Circuit
5V jack	PJ-047A	CMP-14830-000005-1	FP-PJ-047A-MFG	CONN PWR JACK 2X5.5MM SOLDER
analogdecouple, analogdecouple2	Inductor	Inductor	INDC3216	Inductor
Crystal	TSX-3225 16.0000MF18X-AC3	CMP-2000-07332-1	EPSON-TSX-3225_V	MHz Range Crystal Unit, 16 MHz, -40 to 85 degC, 4-Pin SMD, RoHS, Tape and Reel
current-limit5v, current-limit33, dht-pull-up, ds18pull-up, photodiodeR, reset	Res3	Res3	12Z-2010	Resistor
decouple1, decouple2, decouple3, decouple4		Cap Semi	C1210	Capacitor (Semiconductor SIM Model)
MCU1	ATmega328P-AU	CMP-0095-00269-2	32A_N	8-bit AVR Microcontroller, 32KB Flash, 1KB EEPROM, 2KB SRAM, 32-pin TQFP, Industrial Grade (-40°C to 85°C)
Photodiode	BPW21R	CMP-2000-05428-1	VISH-BPW21R-2	Silicon Photodiode, 565 nm, -40 to 125 degC, 2-Pin TO-5, RoHS, Bulk
power, power33	LED2	LED2	3.2X1.6X1.1	Typical RED, GREEN, YELLOW, AMBER GaAs LED
Programming	Header 3X2	Header 3X2	HDR2X3	Header, 3-Pin, Dual row
resetswitch	SW-PB	SW-PB	SPST-2	Switch
Thermal&Humidity sensor1	DHT22	DHT22	DHT22	Integrated Circuit
Thermalsnesor1	DS18B20+	CMP-0253-00003-1	Q3+1	Programmable Resolution Digital Thermometer, 1-Wire Interface, ±0.5°C Accuracy, 3-Pin TO92, -55°C to +125°C, Pb-Free
XBee	XB24CZ7PIT-004	XB24CZ7PIT-004	XB24CAPIT-001	Integrated Circuit