

Bom of Weather V1.1

Item	Designator	Value	Package	Description	Part Number	Manufacturer	Qty	Vendor
1	C1, C2, C3, C4	0.1uF/63V	Pitch 5 mm.	Radial Lead Ceramic Capacitor 0.1 μ F/50VDC \pm 10% X7R,Lead Spacing 5.0mm,Inside Crimp Lead for General Use	RDER71H104K0M1H03A	MURATA	4	ES
2	HOLE1, HOLE2, HOLE3, HOLE4						4	
3	J1	Header 8	2.54 mm Pitch	Female Header 8 Pins,Single Row,Pitch 2.54mm,Straight pin	FHSS08G10/RH	GTK	1	ES
4	J2, J9, J14	Chain	2.50 mm Pitch	WAFER CONNECTOR 2.50 MM. 05 PINS RIGHT ANGLE	100105RT/RH	GTK	3	ES
5	J3, J4, J5, J10 (Option)	A0,A1,A2,A3	2.50mm Pitch	WAFER Connector 2.50mm Pitch,3 Pins Right Angle Single Row	100103RT/RH	GTK	4	ES
6	J6	Header 7	2.54 mm Pitch	Female Header 7 Pins,Single Row, Pitch 2.54mm,Straight pin	FHSS07G10/RH	GTK	1	ES
7	J7,J8	Wind, Rain	Through Hole (RJ11-6P4C)	Modular Jack Female 6P4C,RJ11,Top Entry Vertical	MJK607-P641G15F	MMT	1	ES
8	J11 (Option)	RS422 Module	Pitch 2.54mm (Male)	RS422 Mutual transfer TTL bi-directional signal module Full-duplex 422 to single-chip microcomputer MAX490 to TTL module	PHSS04G10	GTK	1	ES
9	J12 (Option)	IN	Pitch '3.50mm	Screw Terminal Block 2 Pins,Pitch 3.50mm,300V/10A	ED350V-02P	DINKLE	1	ES
10	J13 (Option)	ADS1115 Module	Pitch 2.54mm	ADS1115 (I2C) ADC 4 Channel 16-Bit with Programmable Gain Amplifier Module	ADS1115		1	Aliexpress
11	R1, R2	10K	Axial0.4	Metal Film Fixed Resistor 1/4W,10K Ω , \pm 1%, Pitch Tape 26mm.	MF0W4FF1002P50	ROYAL OHM	2	ES
12	R3	1K	Axial0.4	Metal Film Fixed Resistor 1/4W, 1K Ω \pm 1%	MF0W4FF1001A50	ROYAL OHM	1	ES
13	R4	10R	Axial0.4	Metal Film Fixed Resistor 1/4W, 10 Ω \pm 1% Pitch Tape 26mm.	MF0W4FF100JP50	ROYAL OHM	1	ES
14	U1 (Option)	LM2596 USB-Module		RS422 Mutual transfer TTL bi-directional signal module Full-duplex 422 to single-chip microcomputer MAX490 to TTL module	LM2596		1	Aliexpress
15	Male 8			Pin Header Connector 40 Pins,Pitch 2.54mm Single Row with 10mm Spacer,Straight Type (Cut 8)	PHSS40G10-6030A0	GTK	1	ES
16	Male 7			Pin Header Connector 40 Pins,Pitch 2.54mm Single Row with 10mm Spacer,Straight Type (Cut 7)	PHSS40G10-6030A0	GTK	1	ES
17	Standoff M3 x 18 mm			Standoff Nut Nylon Plastic M3 x 18 mm			4	
18	Scraw M3 x 5			Scraw M3 x 5			8	
19	ฐานรอง PCB Din			ฐานรอง PCB Din			2	