

## BOM2

## WolkenThermometer V1.0 April 2015

Count	Reference	Value	Footprint	Library	Part	InternalName
4	C1 C3 C4 C9	100n	Capacitors_SMD:C_1206	device	C	100nF-50a
3	C2 C7 C8	10u/10V/X7R	Capacitors_SMD:C_1206	device	C	10uF-16
2	C5 C6	DNP	Capacitors_SMD:C_1206	device	C	DNP
1	D1	LL4148	Diodes_SMD:Diode-MiniMELF_Handsoldering	zeilhofer	DIODE2	L4148
1	D2	green	LEDs:LED-1206	zeilhofer	LED2	LED-WT
1	Item1	Solar Panel 80x80x5mm, laminated glass, poly crystalline	wifi-sensor:Solar-Panel_60x60mm	zeilhofer	Item	Solar-80
1	Item2	Battery, 3.6V, Li-Ion	zeilhofer:Battery-Pack-3xAAA	zeilhofer	Item	Batt-Li-WT
1	Item3	PCB 36x51x1.5mm, 2x35um Cu, 2x Silk, 2x Mask		zeilhofer	Item	PCB-WolkenThermometerV1.0
1	Item4	SMD Stencil, 100um stainless steel, 100x100mm		zeilhofer	Item	Stencil-WolkenThermometerV1.0
4	Item5 Item6 Item7 Item8	M3 nut, self-retaining, for distance holder		zeilhofer	Item	M3-A2-SS
1	Item9	Temperature Sensor, Dallas DS18B20		zeilhofer	Item	DS18B20
1	P1	SolarPanel	wifi-sensor:Pinheader_01x02_Edge_SMT	conn	CONN_01X02	DNP
1	P2	Battery	wifi-sensor:Pinheader_02x01_Edge_SMT	conn	CONN_01X02	PinHeaderM-WT2
1	P3	Sensor	wifi-sensor:Pinheader_01x03_Edge_SMT	conn	CONN_01X03	DNP
1	P4	Arduino-Programming	wifi-sensor:Pinheader_01x04_Edge_SMT	conn	CONN_01X04	PinHeaderM-WT4
1	P5	ISP 6-pin	wifi-sensor:Pinheader_02x03_Edge_SMT	conn	CONN_02X03	PinHeaderDualM-WT6
1	P6	I2C-Bus	wifi-sensor:Pinheader_01x04_Edge_SMT	conn	CONN_01X04	PinHeaderM-WT4
1	P7	WiFi	zeilhofer:ESP8266-V2	conn	CONN_02X04	WiFi-V2
3	Q1 Q3 Q4	BSS123	zeilhofer:sot23-gsd	zeilhofer	NMOSFET2	NMOS1
1	Q2	BSS308	zeilhofer:sot23-gsd	zeilhofer	PMOSFET2	PMOS-WT
11	R1 R4 R5 R8 R10 R11 R12 R17 R20 R21 R22	1k	Resistors_SMD:R_1206	device	R	R3216-1k0
3	R15 R18 R23	100R	Resistors_SMD:R_1206	device	R	R3216-100R
1	R14	100k	Resistors_SMD:R_1206	device	R	R3216-100k
1	R16	10k	Resistors_SMD:R_1206	device	R	R3216-10k
4	R2 R3 R6 R7	150R	Resistors_SMD:R_1206	device	R	R3216-150R
3	R9 R13 R19	4k7	Resistors_SMD:R_1206	device	R	R3216-4k7
1	S1	Reset	wifi-sensor:Switch_SMT_TL3315	device	SW_PUSH	Taster-WT
1	U1	LM431SCCM32X	Housings_SOT-23_SOT-143_TSOT-6:SOT23	special	TL431_SOT23-3	Ref-2.51
1	U2	ATMEGA328P-A	Housings_QFP:TQFP-32_7x7mm_Pitch0.8mm	atmel	ATMEGA328P-A	AVR-328
1	U3	MCP1825T-3002E_DCCT	git_local_smd_packages:SOT-223-5_1.27mm	zeilhofer	MCP1825	Reg-3.0V-WT
1	X1	RESONATOR 8MHz	git_xtal:Resonator_7.2x3mm	zeilhofer	RESONATOR_SMD	Reso8M

59