

Lux & Air Sensor (2x 0-10V)

Qty	Value	Parts	Package	Mouser Number	Description
1	820	R109	R0603	652-CR0603FX-8200ELF	RESISTOR, American symbol
1	1k	R403	R0603	652-CR0603FX-1001ELF	RESISTOR, American symbol
2	4.7k	R401, R402	R0603	652-CR0603FX-4701ELF	RESISTOR, American symbol
10	10k	R101, R102, R103, R104, R105, R106, R107, R108, R301, R303	R0603	652-CR0603FX-1002ELF	RESISTOR, American symbol
2	22k	R302, R304	R0603	652-CR0603FX-2202ELF	RESISTOR, American symbol
2	18pF	C102, C103	C0603K	80-C0603C180K5RACTU	CAPACITOR, American symbol
9	100nF	C101, C104, C105, C201, C301, C401, C501, C602, C703	C0603	80-C0603C104M4RAUTO	CAPACITOR, American symbol
1	330nF	C601	C0603	80-C0603C334K4RAULR	CAPACITOR, American symbol
1	10uF	C202	C0603	80-C0603C106M8PACTU	CAPACITOR, American symbol
2	10uF	C701, C702	A/3216-18R (1206)	80-T491A106K006	POLARIZED CAPACITOR, American symbol
1	8MHz	Y1	HC49UP	815-ABLS-8-B2	Crystals (Generic)
1	D10, 1.8V, 2mA	LED1	SML0603	720-KSDELLS122A4852	LED
2	1N4007	D101, D102	DO-213AB	625-BYM10-100-E3/97	Diode Rectifier - Generic
1	Switch 6mm	RESET	EVQ-Q2	633-HP0315AFKP2-R	SMT 6mm switch, EVQQ2 series
1	ATMEGA328P_TQFP	U1	TQFP32-08	556-ATMEGA328P-AU	Popular 328P in QFP
1	MCP4922-E_SL	U2	SOIC127P600X175-14N	579-MCP4922-E/SL	Dual 12-bit DAC SPI I/F,MCP4922-E/SL
1	LM358BIDR	U3	SOIC127P600X175-8N	595-LM358BIDR	Operational Amplifiers - Op Amps 1.2 MHz industry standard dual-cha
1	BH1750FVI-TR	U4	SMD-6	755-BH1750FVI-TR	Light to Digital Ambient Light Sensor Digital O/P 1lux to 65535lux 6-Pi
1	BME280	U5	BME280	262-BME280	Board Mount Humidity Sensors
1	L78M12ABDT-TR	U6	DPAK (TO-252)	511-L78M12ABDT-TR	L78M12ABDT-TR, Voltage Regulator, 0.5A 12 V, +/-2%, 3-Pin D-PAK
1	MIC5205-3.3YM5	U7	SOT-753 (SOT23-5)	998-MIC5205-3.3YM5TR	The MIC5205 is an efficient linear voltage regulator with ultra-low-noise
1	SCREWTERMINAL	J000	3.5MM - 4	571-284391-4	Multi connection point. Often used as Generic Header-pin footprint for
1	ISP PIN-2X3	J101	95278-101A06LF		CONN HEADER SMD 6POS 2.54MM
3	PINH-1X4	J104, J401, J402	1X04		PIN HEADER
1	PINH-1X6	J102	1X06	806-SX1100-B (2x)	PIN HEADER
1	PINH-2X7	J103	2X07	649-1012937892001BLF	PIN HEADER