

Component list

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

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

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EDR Project



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#	Category	Manufacturer 1	Manufacturer Part Number 1	Footprint	Description	Quantity	Supplier 1	Supplier Part Number 1	Supplier Order Qty 1	Supplier Stock 1	Supplier Unit Price 1	Supplier Subtotal 1	Supplier Currency 1
1	Microcontrollers	Microchip	ATMEGA328PU	28P3	8-bit AVR Microcontroller, 32KB Flash, 1KB EEPROM, 2KB SRAM, 28-pin PDIP, Industrial Grade (-40°C to 85°C)	1	Avnet	68T2932	1	398	2.61	2.61	USD
2	Voltage Regulators	STMicroelectronics	L7805CV	TO220	Positive Voltage Regulator, 5V, 3-Pin TO-220	1	Digi-Key	497-1443-5-ND	1	41281	0.69	0.69	USD
3	Through-Hole Resistors	Ohmite	OC1K151E-TR	RES1	Res 150 Ohm 10% 1.2W Axial	1	Mouser	588-OC1K151E-TR	1	1000	4.62	4.62	USD
4	Sensors	SparkFun	SEN-17049	MQ135	Smoke Sensor - MQ-2	1	Digi-Key	1568-SEN-17049-ND	1	46	5.50	5.50	USD
5	Aluminum Electrolytic Capacitors	Rubycon	450BXC10MEFC10X20	10uF	BXC Series 450 V 10 µF 10x20mm Aluminum Electrolytic Capacitor	1	Digi-Key	1189-1894-ND	1	253692	0.71	0.71	USD
6	Aluminum Electrolytic Capacitors	Rubycon	450BXW22MEFR12.5X20	10uF	Cap Aluminum 22uF 450V 20% (12.5 X 20mm) Radial Aluminum Cylindrical Can 5mm 280mA 10000 hr 105°C Bulk	1	Digi-Key	1189-2936-ND	1	99001	1.59	1.59	USD
7	Batteries and Accessories	Adafruit Industries		1578 POWER	Lithium Ion Polymer Battery - 3.7v 500mAh	1	Digi-Key	1528-1841-ND	1	826	7.95	7.95	USD
8	Crystals and Oscillators	Diodes	GB1600032	GB1600032	Crystal 16MHz ±30ppm (Tol) ±30ppm (Stability) 30pF FUND 40Ohm 2-Pin Thru-Hole Bag	1	Digi-Key	GB1600032-ND	1	533	0.52	0.52	USD
9	LCD, OLED, Graphic Displays	Adafruit Industries		938 DISPLAY	Monochrome 1.3 128x64 OLED graphic display - STEMMMA QT / Qwiic	1	Digi-Key	1528-1512-ND	1	36	19.95	19.95	USD
10	Mica Capacitors	Cornell Dubilier	CD5EC220JO3F	22pF	Capacitor, Mica; Cap 22pF; Tol 5%; Radial Miniature DIPped; Vol-Rtg 300VDC; LS 3.0mm	2	Digi-Key	338-2650-ND	2	978	3.82	7.64	USD
11	Sensors	Socle Technology	GP2Y1010AU0F	DUSTS	GP2Y1010AU0F Series 5.5 V 10 mA Compact Optical Dust Sensor (46 x 30 x 17.6 mm)	1	Digi-Key	1855-1012-ND	1	2206	12.37	12.37	USD
12	Sensors	DFRobot	DFR0067	DHT	Temperature Humidity Sensor, Arduino Rohs Compliant: Yes	1	Digi-Key	1738-1089-ND	1	16	7.90	7.90	USD
13	Through-Hole Resistors	Stackpole Electronics	CF14JT10K0	RES1	Res Carbon Film 10K Ohm 5% 0.25W(1/4W) - 500ppm/±0.0p	1	Digi-Key	CF14JT10K0CT-ND	1	4110	0.10	0.10	USD
						14			14			72.15	

Approved	Notes	1 pcs:	Total	72.15 USD
		Price for 1pcs		72.15 USD