

BOM OpenHumidor v0.6-mega													
Piece Number	Decription	Price / unit	Amount	Total Price	Source	order number	Alternative Source	Alt. order #	Alt. Price	Notes			
IC1	ATMEGA328P-A	3.2	1	3.2	reichelt	ATMEGA 328P-AU	aliexpress	ATMEGA328	1.07				
R1	470 O	0.103	1	0.103	reichelt	SMD-0805 470	farnell	9333258					
R2	2k	0.103	2	0.206	reichelt N/A		farnell	9332766					
R3	1k	0.103	1	0.103	reichelt	SMD-0805 1,00K	farnell	9332383					
R6	100 O	0.103	1	0.103	reichelt	SMD-0805 100							
U1	MCP1700	0.386	1	0.386	farnell	1296592	reichelt	MCP 1703-3302CB					
U2	MCP73831	0.563	1	0.563	farnell	1840935							
U3	Nrf24L01 Mini	1.16	1	1.16	ebay	Nrf24L01 Mini							
U4	BME280	4.5	1	4.5	ebay	282083076305	ebay (from Germany)	17224747660		BMP280 does NOT work (has no humidity sensor)			
D1	LED RED	0.08	1	0.08	reichelt	SMD-LED 0805 RT	farnell	2090236					
D2	Fast switching diode	0.04	1	0.04	reichelt	TS 4148-0805							
D3	LED BLUE	0.194	1	0.194	reichelt	SMD-LED 0805 BL	farnell	2217974					
C1, C2	4.7uF	0.05	2	0.1	reichelt	X5R-G0805 4,7	farnell	2426962					
C3	100nF	0.04	1	0.04	reichelt	X7R-G0805 100N							
C5	100uF	0.2	1	0.2	reichelt	VF 100/6,3 P-C							
C4, C6	22pF	0.04	2	0.08	reichelt	NPO-G0805 22P	farnell	2497023					
Q1, Q2	2n7002 JFET	0.04	2	0.08	reichelt	2N 7002 SMD							
CON1	Mini USB Connector	0.27	1	0.27	reichelt	USB BWM SMD	farnell	1125348					
P1	Header 6-PIN	0.13	1	0.13	reichelt	MPE 087-2-006	farnell	1622578					
P3	JST-PH4	0.139	1	0.139	farnell	9492488							
P4	JST-PH3	0.152	2	0.304	farnell	9491910							
P5	JST-PH2	0.11	1	0.11	farnell	9491902							
SW1	ON/OFF-Switch	0.109	1	0.109	ebay	SS12F21							
Y1	Quarz 16MHz	0.28	1	0.28	reichelt	16,0000-HC49U-S	farnell	2509297					
Board Manufacture		0.99	1		seedstudio								
JP1, JP2	Jumper												
			Total	13.47									
(Akku BST-38)		3.85	1	3.85	ebay								

**BMP280** does NOT work (has no humidity sensor)