

Name: **RAB2-CO2 REV.1**
Date 3/8/2022

Pos.No	Part Description	Specification	Value	Designator	Footprint	Quantity	Manufacturer	Manufacturer Part No.	Supplier	Supplier part number	Link
1	Ceramic Capacitor	X5R, 6.3, 20%	10uF	C1, C7, C10, C13	C0402	4	AVX	04026D106MAT2A	Rutronik	KKH1259	https://www.rutronik24.com/search-result/qs:04026D106MAT2A/reset:0
2	Ceramic Capacitor	X7R, 16V, 10%	100nF	C2, C6, C8, C11, C14	C0402	5	YAGEO	CC0402KRX7R7BB104	Rutronik	KKK19098	https://www.rutronik24.com/product/yageo/cc0402krx7r7bb104/30939.html , https://www.rutronik24.com/product/samsung+em/cl05a105ko5nnnc/31788.html
3	Ceramic Capacitor	X5R, 16V, 10%	10uF	C3	C0805	1	Samsung EM	CL21A106KQNNNG	Rutronik	KKS2627	https://www.rutronik24.com/product/samsung+em/cl21a106koqnnng/32252.html
4	Ceramic Capacitor	X5R, 16V, 20%	100uF	C4, C15	C1210_L	2	Samsung EM	C1210C107M4PACTU	Rutronik	KKH1210	https://www.rutronik24.com/search-result/qs:C1210C107M4PACTU/reset:0
5	Ceramic Capacitor	COG/NPO, 16V, 10%	470pF	C5	C0402	1	YAGEO	CC0402JRNPO7BN471	Rutronik	KKK13118	https://www.rutronik24.com/product/samsung+em/cl05a105ko5nnnc/31788.html
6	Ceramic Capacitor	NPO 50V, 5%	330pF	C9	C0402	1	SAMSUNG	CL05C331JB5NNNC	Rutronik	KKK16720	https://www.rutronik24.com/product/samsung+em/cl05c331jb5nnnc/30359.html
7	Tantalum capacitor	6.3V, 10%, Case C	330uF	C12	CAPP6032X280N	1	AVX	TAJC337K006RNJ	Rutronik	KTA7249	https://www.rutronik24.com/product/avx/tajc337k006rnj/81190.html
8	SCHOTTKY-D. 1A 40V SOD123	40V, 1A		D1	MCC-SOD123_V	1	Diodes	SS1040L_R1_00001	Rutronik	DSKY5802	https://www.rutronik24.com/search-result/qs:SS1040L_R1_00001/reset:0
9	Typical SMD LED	Green, 5mA	LT QH9G-Q2OO-25-	D2	PICOLED	1	OSRAM	LT QH9G-Q2OO-25-2Z	Rutronik	LED22816	https://www.rutronik24.com/product/osram/ltqh9g-q2oo-25-2z4y-5-r18/7461152.html
10	SCHOTTKY-D. 1A 40V SOD123	40V, 1A	12VWM, VBr14V	D3	MCC-SOD123_V	1	Diodes	SS1040L_R1_00001	Rutronik	DSKY5802	https://www.rutronik24.com/search-result/qs:SS1040L_R1_00001/reset:0
11	TVS-DIODE UNI 0,2KW 19.9VC SOD1	12VWM 19.9VC		D4	ONSC-SOD-123FL-2-498	1	LITTELFUSE	SMF12A	Rutronik	DTRL10443	https://www.rutronik24.com/product/littelfuse/smf12a/4235500.html
12	High I²t Chip fuse	63V, 2A	CC12H2A-TR	F1	FUSE1206	1	EATON	CC12H2A-TR	Rutronik	FUSE10755	https://www.rutronik24.com/search-result/qs:CC12H2A-TR/reset:0
13	SMT Test Point	3.81*2.03	5019	GND1	5019_keystone	1	Keystone Electrincs	5019	Rutronik	BAT4950	https://www.rutronik24.com/product/keystone/pn5019/7028403.html
14	Shielded Wirewound Inductor	FIXED IND 10UH 480MA 1.056OHM SM	10uH	L1	IND_LQH2M_MUR	1	Murata	LQH2MPN100MGRL	Rutronik	LQH2MPN100MGRL	https://www.rutronik24.com/search-result/qs:LQH2MPN100/reset:0
15	Arduino Connector	10 pos. 2,54mm	RS1-10-G-413	P1	HDR1X10_ARDUINO	1	ADAM TECH	RS1-10-G-413	Rutronik	CONN1443	http://www.adam-tech.com/products.php
16	Arduino Connector	8 pos. 2,54mm	RS1-08-G-413	P3, P5	HDR1X8_ARDUINO	2	ADAM TECH	RS1-08-G-413	Rutronik	CONN2043	http://www.adam-tech.com/products.php
17	Arduino Connector	6 pos. 2,54mm	RS1-06-G-413	P4	HDR1X6_ARDUINO	1	ADAM TECH	RS1-06-G-413	Rutronik	CONN2042	http://www.adam-tech.com/products.php
18	Thick Film Resistor	5% 0,063W	10K	R1, R7	R0402	2	ASJ	CR10-103-JK	Rutronik	WRC40976	https://www.rutronik24.com/product/asj/cr10-103-jk/54295.html
19	Thick Film Resistor	1% 0,063W	390K	R2	R0402	1	ASJ	CR10-3903-FK	Rutronik	WRC48962	https://www.rutronik24.com/product/asj/cr10-3903-fk/57405.html
20	Thick Film Resistor	1% 0,063W	200R	R3	R0402	1	ASJ	CR10-2000-FK	Rutronik	WRC34786	https://www.rutronik24.com/product/asj/cr10-2000-fk/51713.html
21	Thick Film Resistor	1% 0,063W	45.3K	R4	R0402	1	ASJ	CR10-4532-FK	Rutronik	WRC54567	https://www.rutronik24.com/product/asj/cr10-4532-fk/5859460.html
22	Thick Film Resistor	5% 0,063W	18K	R5, R6	R0402	2	ASJ	CR10-183-JK	Rutronik	WRC50540	https://www.rutronik24.com/product/asj/cr10-183-jk/58325.html
23	Thick Film Resistor	5% 0,063W	0R	SB1, SB4, SB9, SB16, SB17, SB18	SB_0402	6	Yageo	RC04020R	Rutronik	WRC52534	https://www.rutronik24.com/product/diodes+inc/ap3012ktr-g1/5167002.html , https://www.rutronik24.com/product/yageo/ac0402fr-070rl/1082692.html
24	CO2 and RH/T sensor module	0-100 %RH		U1	SCD4x	1	Sensirion	SCD41-D-R1	Rutronik	ICENV11341	https://www.rutronik24.com/search-result/qs:SCD41-D-R2/reset:0
25	PAS CO2	I2C, UART		U2	PAS_CO2	1	Infineon	PASCO2V01XUMA1	Rutronik	ICENV11416	https://www.rutronik24.com/search-result/qs:pas-co2/reset:0
26	DC-DC 29V 0.5A U SOT-23-5 SMD	DC-DC 29V 0.5A U SOT-23-5 SMD		U3	FP-SOT25-MFG	1	Diodes	AP3012KTR-G1	Rutronik	ICPWM7805	https://www.rutronik24.com/product/diodes+inc/ap3012ktr-g1/5167002.html