

RHOCOCO rev 1.8 BOM

Id	Designator	Designation	Package	Quantity	Aantal	Farnell code	stuksprijs	minimum	RS code	RS prijs	Mouser code	Mouser prijs	prijs voor benodigd aantal
1	<i>Resistors</i>												
2	R14	MF25 10R	Weerstand axiaal D1.6mm Pitch 3/10" 1%	1	10	9341145	€ 0,0336	10					€ 0,3360
3	R1,R3,R5,R7,R8	MF25 240R	Weerstand axiaal D1.6mm Pitch 3/10" 1%	5	10	9341587	€ 0,0357	10					€ 0,3570
4	R12,R39	MF25 270R	Weerstand axiaal D1.6mm Pitch 3/10" 1%	2	10	9341633	€ 0,0336	10					€ 0,3360
5	R2,R4,R6	MF25 470R	Weerstand axiaal D1.6mm Pitch 3/10" 1%	3	10	9341943	€ 0,0357	10					€ 0,3570
6	R25,R26,R27,R28,R30,R31,R32,R33,R34,R35,R36,R37,R40	MF25 1K	Weerstand axiaal D1.6mm Pitch 3/10" 1%	13	20	9341102	€ 0,0357	10					€ 0,7140
7	R11,R10	MF25 4K7	Weerstand axiaal D1.6mm Pitch 3/10" 1%	2	10	9341951	€ 0,0336	10					€ 0,3360
8	R9,R13,R15,R16,R22,R23,R24,R29,R38	MF25 10K	Weerstand axiaal D1.6mm Pitch 3/10" 1%	9	10	9341110	€ 0,0344	10					€ 0,3440
9	R17,R18,R19,R20,R21	MF25 100K	Weerstand axiaal D1.6mm Pitch 3/10" 1%	5	10	9341129	€ 0,0357	10					€ 0,3570
10	RN2	4K7 x 6 SIP	R_Array_SIP7 4607X-101-472LF	1	1	2787743	€ 0,765						€ 0,7650
11	<i>Capacitors</i>												
12	C6	4.7nF	C_Disc_D3.4mm_W2.1mm_P2.50mm	1	5	2860131	€ 0,070	5					€ 0,3485
13	C2	10nF	C_Disc_D3.4mm_W2.1mm_P2.50mm	1	1	2309024	€ 0,067						€ 0,0673
14	C1,C3,C4,C9,C10,C11,C12,C13	100nF	Ceramic capacitor Radial 3/10"	8	10	1692300	€ 0,187	10					€ 1,8700
15	C7	10uF 25V	Elco Radial Diameter 5.0mm pitch 2.50mm	1	1	9451153	€ 0,046						€ 0,0456
16	C5	100uF 16V	Elco Radial Diameter 6.3mm pitch 2.50mm	1	1	9451080	€ 0,068						€ 0,0677
17	C8	220uF 10V	Elco Radial Diameter 6.3mm pitch 2.50mm	1	5	1848418	€ 0,419						€ 2,0950
18	<i>Discrete passive semiconductors</i>												
19	D1,D2,D3,D4,D5,D6,D7,D8,D9	1N4148	Diode DO-35 3/10" Horizontaal	9	10	9843680	€ 0,060	5					€ 0,5970
20	D10	LED MCL034PD	LED 3.0mm RED round	1	5	1581112	€ 0,063	5					€ 0,3150
21	<i>Discrete active semiconductors</i>												
22	Q1	2N3904	TO-92_Molded_Narrow	1	5	1574370	€ 0,138	5					€ 0,6900
23	Q2	2N7000	TO-92_Molded_Narrow	1	5	9845178	€ 0,247	5					€ 1,2350
24	<i>Integrated circuits</i>												
25	U1	P8X32A	DIP-40_W15.24mm_Socket	1	1				405-597	€ 6,88			€ 6,8800
26	U2	24LC256	DIP-8_W7.62mm	1	1	9757970	€ 0,723						€ 0,7230
27	U3	PCF8574A	DIP-16_W7.62mm	1	1	1703443	€ 1,190						€ 1,1900
28	U4	LM386	DIP-8_W7.62mm_Socket	1	1	2496437	€ 0,847						€ 0,8470
29	U5	MCP1700-3302E_TO92	TO-92_Inline_Narrow_Oval 3V3 regulator	1	1	1296588	€ 0,330						€ 0,3300
30	U6	Z80CPU	DIP-40_W15.24mm_Socket	1	1	1081891	€ 5,290						€ 5,2900
31	U7	74HCT574	DIP-20_W7.62mm_Socket	1	1	9592113	€ 0,605						€ 0,6050
32	U8	AS6C1008	DIP-32_W15.24mm_Socket	1	1	1562896	€ 2,730						€ 2,7300
33	U9	74HCT365	DIP-16_W7.62mm_Socket	1	1	1739589	€ 0,562						€ 0,5620
34	U10	74HCT670	DIP-16_W7.62mm	1	1						595-SN74LS670N	€ 2,00	€ 2,0000
35	<i>Connectors</i>												
36	J1,J11,LS1	CONN_01X02	Pin_Header_Straight_1x02_Pitch2.54mm	3	50	1593411	€ 0,013	50					€ 0,6300
37	J2	VGA	VGA_connector DB-15 high density DE	1	1	2401275	€ 1,040						€ 1,0400
38	J3	USB_B	USB-B-S-RA	1	5	2112373	€ 0,441	5					€ 2,2050
39	J4	Audio-Jack-3_2Switches	SPC21348	1	1	2579730	€ 1,890						€ 1,8900
40	J5	CONN_01X06	Pin_Header_Straight_1x06_Pitch2.54mm	1	50	1593415	€ 0,034	50					€ 1,7000
41	J6	SD_Card holder (SMT)	SD-67600-006	1	1	2614945	€ 5,280						€ 5,2800
42	J7	CONN_02X23	Pin_Header_Straight_2x23_Pitch2.54mm	1	1	2032893	€ 3,430						€ 3,4300
43	J8	CONN_01X06	1x06_Pitch2.54mm	1	10	1668205	€ 0,716	10					€ 7,1600
44	J9	CONN_01X08	Socket_Strip_Angled_1x08_Pitch2.54mm	1	10	1668207	€ 0,891	10					€ 8,9100
45	J10	DB9_MALE	dB09-MALE	1	1	1099289	€ 0,833						€ 0,8330
46	<i>IC sockets</i>												
47	U2bis,U4bis	DIP-8 socket	Multicomp 2227MC-08-03-18-F1	10	1	1103844	€ 0,211	10					€ 0,2110
48	U3bis,U9bis,U10bis	DIP-16 socket	Multicomp 2227MC-16-03-09-F1	5	1	1103846	€ 0,432	5					€ 0,4320
49	U7bis	DIP-20 socket	Multicomp 2227MC-20-03-07-F1	5	5	1103848	€ 0,526	5					€ 2,6300
50	U8bis	DIP-32 Socket	Multicomp 2227MC-32-06-06-F1	1	1	1103853	€ 0,936						€ 0,9360
51	U1bis,U6bis	DIP-40 Socket	Multicomp 2227MC-40-06-05-F1	2	1	1103855	€ 1,050						€ 1,0500
52	<i>Various</i>												
53	SW1	SW_SPDT	SWITCH-300SP1J1BLKM6QE	1	1						612-totaal sockets	€ 5,26	
54	Y1	5MHz	Crystal_HC49-U_Vertical	1	1	1652566	€ 0,677				300SP1J1REDM6QE	€ 2,94	€ 2,9400
55	LS1	Speaker	Speaker 8 Ohm	1	1	2783054	€ 1,180						€ 1,1800
56												totaal main	€ 75,52

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57			Keyboard										
58	PB1 to PB50	Multicomp MCDTS-2 MC32874 12x12mm switch 160gf	MC32874 Switch, MCDTS-2 Series, Top Actuated, Through Hole, Plunger for Cap, 160 gf, 50mA at 12VDC	50	50	2543105	€ 0,480	5					€ 24,0000
59	Keycaps for PB1 to PB50	KTSC-21I	Switch Cap, Multicomp MCDTS2 Series Tactile Switches, Ivory, Caps for MCDTS2 Series	50	50	9561471	€ 0,114	50					€ 5,7000
60	J1 and J2 (15-way cable cut into two seperate parts)	FSN-23A-15	Ribbon Cable, Jumper Nomex Cable, Straight Pin, Straight Pin, 15 Ways, 3 ", 76.2 mm, 2.54 mm cut into a six and a -pin part	1	1	1310363	€ 3,060						€ 3,0600
												totaal keyb.	€ 32,76
												totaal alles	€ 108,28