

Status	ID	part	size	manufacturer/type	supplier/art. Nr	price/unit	untis nec.	units bought	exc VAT	Link
stock	D1	Diode	1A (e.g. 1N4007)	-		0	0	0	0	-
ordered	D2	Diode	DHG10i1800PA, GEN PURP 1.8KV 10A TO220AC	IXYS		1.163	1	10	11.63	https://www.riac.nl
ordered	RLY1, RLY2	Relay	12V Signaalrelais - bistabiel, 2 wisselaars, 2A DC	HF - HFD2/012-S-L2-D	Reichelt - HFD2-L 12V	1.55	2	3	4.65	https://www.riac.nl
ordered	RLY1, RLY2	Relay	3V	HF-HFD2/003-S-L2					0	https://www.riac.nl
not ordered yet	U1	preferred Relay	1 CO, 16 A, 12 V DC-sensitive, AgCdO	Finder - 40.61.7.012.2020	Conrad - 40.61.7.012.2020	4.12	1	1	4.12	https://www.riac.nl
		Alternative Relay	1 CO, 16 A, 12 V DC-sensitive, AgNi	Finder - 40.61.7.012.1020	Reichelt - FIN 40.61.7 12V:	4.29	1	1	4.29	https://www.riac.nl
ordered	U2	Counter/Divider		TI - CD4060BE	Reichelt - CD 4060BE TEX	0.57	1	2	1.14	https://www.riac.nl
ordered	U3	Mosfet driver IR2121		Infineon	Reichelt - IR 2121	4.66	1	1	4.66	https://www.riac.nl
not ordered yet	U4, U5, U6	Diode	UF5408, 1000 V, 3A, Ultra Fast	MIC - UF5408	Reichelt - BPW 34 OSO	0.14	3	6	0.84	https://www.riac.nl
ordered	C1	Capacitor	220nF, 250V, 5%, film	Panasonic - ECWF2224JAQ	Reichelt - ECWFA 220N 25	0.25	1	4	1	https://www.riac.nl
ordered	C2, C3	Capacitor	100uF, 100V, 20%, 10.000h, electrolytic	EUROPE CHEMI-CON - EKY-101ETE101MK1	Reichelt - RAD KY 100/100	0.24	2	5	1.2	https://www.riac.nl
	C4, C5, C7	Capacitor	0.1uF, 63V, 20%, 1000h, electrolytic	-	Reichelt - SM 0,1/63RAD	0.03	3		0.18	https://www.riac.nl
		Alternative 1 Capacitor	0.1uF, 250V, 5%, Film	KEMET - PHE426HJ6100JR05	Reichelt - PHE426 100N 25	0.27	3			https://www.riac.nl
ordered		Alternative 2. Pref. Capacitor	0.1uF, 630V, 5%, Film	PANASONIC - ECWFA2J104J	Reichelt - ECWFA 100N 63	0.26	3	6	1.56	https://www.riac.nl
		Alternative 3 Capacitor	0.1uF, 35V, 20%, Tantalum	KEMET - T350A104M035AT	Reichelt - T350 100N 35	0.63	3			https://www.riac.nl
ordered	C6, C8	Capacitor	1000uF, 63V, 20%, 10.000h electrolytic	EUROPE CHEMI-CON - EKY-630ELL102MLP	Reichelt - RAD KY 1.000/6:	0.7	2	6	4.2	https://www.riac.nl
not ordered yet	LED1, LED2	Led	Led Green, Vf 2V (2.4V), If 20mA (25mA)	Everlight - 333-2SYGD/S530-E2	Reichelt - EVL 333-2SYGD/	0.08	2	6	50	https://www.riac.nl
not ordered yet	LED3, LED5	Led	Led Red, Vf 2V (2.4V), If 20mA (30mA)	Everlight - 333-2SURD/S530-A3	Reichelt - EVL 333-2SURD/	0.08	2	6	50	https://www.riac.nl
In Stock	LED4	Led	Led Blue							
	H2, H3, H4, H10, H11, H13, H15, H16, H20 H21, H22, H27,									
not ordered yet	H31, J1, J2, J3, J4, J5, J6	Pin headers	2.54 mm, 1X02, straight	Spacing correct?		0.05				https://www.riac.nl
not ordered yet	SW1, SW2, SW3, SW4, SW5	Rocker switch	Round, 1x ON - ON, 10A @250VAC	SCI-PARTS - R13-112 CAAA	Reichelt - WS R13-112 CA/	0.97	5	7	6.79	https://www.riac.nl
not ordered yet	Q1	Transistor	PN 2222A NPN TO-92 transistor 40 V 0.6 A 0.625 W	ONSEMI - PN2222ATA	Reichelt - PN 2222A	0.11	1	5	0.55	https://www.riac.nl
ordered	Q2	Transistor	2N3904 NPN TO-92 40V 0,2A 0,5W	CDIL - 2N3904	Reichelt - 2N 3904	0.04	1	4	0.16	https://www.riac.nl
ordered	Q4 or Q3	Mosfet STW12N150K5	MOSFET N-CH 1500V 7A TO247	STMicroelectronics	Jinftry	10	1	1	50	
ordered	R18	Resistor	10-ohm, 0.4W, 1%, thin film	Vishay - MBB02070C1009FCT00	Reichelt	0.05		20	1	https://www.riac.nl
0.5%, 1W in stock	R13	Resistor	100-ohm, 0.6W, 1%, thin film	Vishay	Reichelt	0.05		20	1	https://www.riac.nl
ordered	R15	Resistor	510-ohm, 0.6W, 1%, thin film	Vishay - MBB02070C5100FCT00	Reichelt	0.05		20	1	https://www.riac.nl
In Stock	R12, R16	Resistor	1k-ohm, 0.6W, 1%, thin film	Vishay	Reichelt	0.07		20	1.4	https://www.riac.nl
In Stock	R1, R3	Resistor	1.2k-ohm, 0.6W, 1%, thin film	Vishay	Reichelt	0.05		20	1	https://www.riac.nl
In Stock	R2, R4, R11, R14	Resistor	10k-ohm, 0.6W, 1%, thin film	Vishay	Reichelt	0.05		20	1	https://www.riac.nl
ordered	R5	Resistor	15k-ohm, 0.6W, 1%, thin film	Vishay - MBB02070C1502FCT00	Reichelt	0.05		20	1	https://www.riac.nl
ordered	R8, R9	Resistor	18k-ohm, 0.6W, 1%, thin film	Vishay - MBB02070C1802FCT00	Reichelt	0.05		20	1	https://www.riac.nl
ordered	R17	Resistor	100k-ohm, 0.6W, 1%, thin film	Vishay- MBB02070C1003FCT00	Reichelt	0.05		20	1	https://www.riac.nl
not ordered yet	R6, R7	Potmeter/variable resistor	1MOhm, 25 turns	Suntane - 3296	Reichelt - 64W-1,0M	0.29	2	4	1.16	https://www.riac.nl
ordered	R6, R7	Resistor	1m-ohm, 0.6W, 1%, thin film	Vishay - MBB02070C1004FCT00	Reichelt	0.05		20	1	https://www.riac.nl
ordered	R10	Resistor	4.7M-ohm, 0.6W, 1%, thin film	Vishay - MBB02070C4704FCT00	Reichelt	0.05		20	1	https://www.riac.nl
not ordered yet		Jumpber	2.54mm, Red	Spacing correct?	Reichelt - JUMPER 2,54GL	0.017	19	20	0.34	https://www.riac.nl
not ordered yet		Jumpber	2.54mm, Black	-	Reichelt - JUMPER 2,54GL	0.017	19	20	0.34	https://www.riac.nl
ordered		IC Socket	8 poles, spring	-	Reichelt - GS 8	0.03	1	5	0.15	https://www.riac.nl
ordered		IC Socket	16 poles, spring	-	Reichelt - GS 16	0.07	3	6	0.42	https://www.riac.nl
ordered		Heatsink TO247								https://www.riac.nl
not ordered yet		PCB Terminal block		Spacing?	https://www.reichelt.com/nl/en					https://www.riac.nl
ordered		PWM module	3.3-30V, 1Hz-150kHz, 0-100 duty cycle			10	1	1	10	https://www.riac.nl
ordered		Spools - Empty Plastic Wire Spool	Ø81.5mm wide / 84mm high / Ø19mm bobine	Aliexpress	Aliexpress	0.93	5	10	9.3	https://www.riac.nl
stock		Spool Core material	1m, Ø1.6, AWS: A5.2 : R45-G / DIN: 8554: G1 / w.nr 1.03: CEWELD G1							http://ceweld.nl
ordered		Winding wire / Magnet wire	21 AWG - 7.5LB - 115+110	Temco	eBay	95	2	2	189	https://www.riac.nl