

	id	design ref	package	qty	description	supplier	reference	price (50+)	total
1 basic	1		PCB	1		Eurocircuits	MjS rev1	€ 3,400	€ 3,400
	2	R3,R4,R5	resistor	3	1kΩ, ¼W	Farnell	9339051	€ 0,036	€ 0,107
	3	R1,R2	resistor	2	10kΩ, ¼W	Farnell	9339060	€ 0,036	€ 0,071
	4	C1,C3,C5	ceramic 2.5mm	3	100nF	Farnell	2112751RL	€ 0,062	€ 0,185
	5	C2,C4	electrolytic radial	2	10µF, 10V	Farnell	9452591	€ 0,033	€ 0,066
	6	D1	LED 3mm	1	LED	Farnell	1581113	€ 0,072	€ 0,072
	7	Q1,Q2	TO-251 (IPAK)	2	STU60N3LH5 N-channel FET	Farnell	1752192	€ 0,462	€ 0,924
	8	U3	TO-92	1	MCP1700-3302/TO VDO	Farnell	1296588	€ 0,286	€ 0,286
	9	U2	breakout board	1	RFM95W transceiver	Ideetron	RFM95W-868-S2	€ 9,880	€ 9,880
	10	U1	DIP-28	1	ATMEGA328P-PU MCU	Farnell	1715487	€ 1,970	€ 1,970
	11	U1	DIP-28	1	socket 7.62mm	Farnell	2445626	€ 0,608	€ 0,608
	12	P2	pin header	1	straight 1x06	Farnell	1022255	€ 0,112	€ 0,112
	13	JP1	pin header	1	straight 1x03	Farnell	1022249	€ 0,068	€ 0,068
	14	JP1	jumper	1	jumper	Farnell	2396303	€ 0,085	€ 0,085
1 sensor1	15	U4	breakout board	1	HTU21D	AliExpress	HTU21D breakout	€ 5,350	€ 5,350
	16	R6,R7	resistor	2	10kΩ, ¼W	Farnell	9339060	€ 0,036	€ 0,071
	17	P3	socket strip	1	4-pin straight	Farnell	1803316	€ 0,393	€ 0,393
1 sensor2	18	U5	external module	1	GP-20U7 GPS module	Antratek	SFE13740	€ 14,360	€ 14,360
	19	R8	resistor	1	1kΩ, ¼W	Farnell	9339051	€ 0,036	€ 0,036
	20	P4	JST connector	1	s3b-ph-kl (3-pin angled)	Farnell	9491910	€ 0,160	€ 0,160
1 sensor3	21	P5		1	piezo element	Farnell	2443199	€ 0,562	€ 0,562
	22	R10	resistor	1	1kΩ, ¼W	Farnell	9339051	€ 0,036	€ 0,036
	23	R9	resistor	1	10kΩ, ¼W	Farnell	9339060	€ 0,036	€ 0,036
1 sensor4	24	P6	DIP-2	1	BPW34 photodiode	Farnell	1045425	€ 0,712	€ 0,712
	25	R11	resistor	1	10kΩ, ¼W	Farnell	9339060	€ 0,036	€ 0,036
	26	R12	resistor	1	100kΩ, ¼W	Farnell	9339078	€ 0,051	€ 0,051
1 sensor5	27	R13	resistor	1	10kΩ, ¼W	Farnell	9339060	€ 0,036	€ 0,036
1 power1	28	P1	battery holder	1	Keystone 2479	Farnell	1339843	€ 1,400	€ 1,400
	29	P1	AAA	3	NiMH or alkaline battery			€ 0,400	€ 1,200
power2	30	P1	JST connector	1	s2b-ph-kl (2-pin angled)	Farnell	9491902	€ 0,092	€ 0,000
	31	P1		1	LiPo battery 1000mAh			€ 10,000	€ 0,000
power3	32	P1	DC socket	1	DC socket	Farnell	1217037	€ 0,863	€ 0,000
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