

CPU board		1 pcs		
name	value	type	package	quantity
C1, C4, C5	100nF	ceramic	0805	3
C2, C3	22pF	ceramic	0805	2
D1 - D32	LED white	5mm straw hat LED		32
IC1	ATMEGA88-20AU		TQFP32-08	1
IC2, IC3	74HC595		SO16	4
XTAL	20MHz		HC49/S	1
Q2, Q3	AO3401 (AO3407)	P-channel MOSFET	SOT23	2
R0	10k		0805	1
R1 - R32	150R - 330R		0805	32
R33, R34	47R		1206	2
X3	pinhead 2x6/2mm	Connfly DS1026-05-2 series	pitch 2mm	1

LED board		14 pcs			
name	value	type	package	quantity	total qty
D1 - D16	LED white	5mm straw hat LED		16	224
IC2, IC3	74HC595		SO16	2	28
Q2, Q3	AO3401 (AO3407)	P-channel MOSFET	SOT23	1	14
R1 - 16	150R - 330R		0805	16	224
R33	47R		1206	1	14
X1	pinhead 1x7/90° 2mm	Connfly DS1025-02-1 series	pitch 2mm	1	14

PWR board		1 pcs		
name	value	type	package	quantity
C1, C2	47uF	tantalum (Vishay TR3B476K010C0350)	B/3528-21R	2
C3	100nF	ceramic	1206	1
IC1	MAX1674	Maxim Integrated	uMAX8	1
R1	470R		0805	1
battery holder	BH-322-1A	2x AA cell battery holder		1
L1	82-100uH	rated current above 1A (like this ones)		1
		FerroCore coil 0810-0.1	diam. 10mm max.	
		Coilcraft DR0608-823L	height 12mm max.	
		Coilcraft RFC0807B-823KE		

TOP board		1 pcs		
name	value	type	package	quantity
D1	LED		1206	1
JP1, JP2	pinhead 2x2/2mm	Connfly DS1026-05-2 series	pitch 2mm	2
JP3	pinhead 1x2/90° 2,54mm	standard pitch 2,54mm		1
S1	CL-SB-22B	DPDT slide switch, SMT		1
		Nidec Copal Electronic CL-SB-22B-01		