

#	Type	Value/Name	Qty.	Package	Designators
Chips, semiconductors					
1	IC	LM393N	1	DIP8	IC1
2	IC	CD40106BE	1	DIP14	IC2
3	IC	TL074CN	3	DIP14	IC3, IC12, IC13
4	IC	TL072CN	3	DIP8	IC4, IC15, IC16
5	IC	CD4011BE	1	DIP14	IC5
6	IC	KP590KH5 (=DG411)*	1	DIP16	IC6
7	IC	78L05ACZ	1	T092	IC7
8	IC	REF5050AID*	1	S08	IC8 — SMT component!
9	IC	ATMEGA328P-PU*	1	DIP28	IC9
10	IC	AD7545ALN*	1	DIP20	IC10
11	IC	CD4042BE	1	DIP16	IC11
12	IC	LF442CN	1	DIP8	IC14
13	IC	AMS1117-5.0	1	SOT223	IC17 — SMT component!
14	Transistor	2N3904	3	T092	Q1, Q2, Q3
15	Diode	1N4004	2	DO41	D1, D2
16	Diode	1N4148	3	DO35	D3, D4, D5
17	LED	Red, 3mm, 1.8-2v	5	2.5mm	LED1, LED2, LED3, LED4, LED5
*Included into minimal kits					
Resistors					
18	Resistor	1M	2	¼W	R1, R2
19	Resistor	100R	2	¼W	R3, R13
20	Resistor	3K	2	¼W	R4, R39
21	Resistor	10K	8	¼W	R5, R19, R20, R21, R22, R24, R25, R43
22	Resistor	100K	14	¼W	R6, R7, R9, R17, R18, R27, R28, R29, R31, R33, R35, R37, R41, R49
23	Resistor	130K	2	¼W	R8, R10
24	Resistor	30R	2	¼W	R11, R12
25	Resistor	1K	5	¼W	R14, R15, R36, R38, R40
26	Resistor	15K	1	¼W	R16
27	Resistor	470K	1	¼W	R23
28	Resistor	100K 0.1%*	4	¼ or ½W	R26, R30, R32, R34
29	Resistor	10R	1	¼W	R42
30	Resistor	75K	1	¼W	R44
31	Resistor	7.5K	1	¼W	R45
32	Resistor	150K	2	¼W	R46, R47
33	Resistor	300R	1	¼W	R48
*Included into minimal kits					

SSSR Labs. KOTELNIKOV Bill of Material

Version 1.0

Mouser project link (Parts from other sources and minimal kits are EXCLUDED):

<http://www.mouser.com/ProjectManager/ProjectDetail.aspx?AccessID=ddcc84f5cf>

#	Type	Value/Name	Qty.	Package	Designators
Capacitors					
34	Electrolytic	10u	3	2.5mm	C1, C2, C7
35	Ceramic	100n	22	5mm	C3, C4, C5, C6, C9, C10, C11, C12, C13, C14, C15, C16, C17, C18, C19, C20, C21, C22, C23, C27, C29, C32
36	Tantalum	10u	1	2.5mm	C8
37	Ceramic	1n	1	5mm	C24
38	Electrolytic	3.3u	1	2.5mm	C26
39	Electrolytic	100u	1	2.5mm	C28
40	Ceramic	22p	2	5mm	C30, C31
41	Ceramic	15p	1	5mm	C33
42	Mylar/Film	3n3	1	5mm	C34
43	Ceramic	300p	1	5mm	C35
44	Quartz crystal	20 MHz	1		XTAL1
Hardware					
45	Pot	B50K Alpha 9mm vert.	5	Purchase	P1, P2, P3, P4, P5
46	Pot	A1M Alpha 9mm vert.	2	Purchase	P6, P7
47	Jack Socket	WQP-PJ301M-12	8	Purchase	J1, J2, J3, J4, J5, J6, J7, J8
48	Pushbutton	Pushbutton, 13mm	1		SW5
49	Switch	1MD3T1B1M1QE	2		SW1, SW2
50	Switch	1MS3T1B1M1QE	2		SW3, SW6
51	Switch	1MS1T1B1M1QE	1		SW4
Headers, IC Sockets					
52	Header	2x8pin Male or BH16	1		CN1
53	Header	PLS4 (4pin Male)	1		CN2A
54	Header	PBS4 (4pin Female)	1		CN2B
55	Header	PLS6 (6pin Male)	1		CN3A
56	Header	PBS6 (6pin Female)	1		CN3B
57	Header	PLS15 (15pin Male)	2		CN4A, CN5A
58	Header	PBS15 (15pin Female)	2		CN4B, CN5B
59	Header	PLS2 (2pin Male)	2		JP1, JP6
60	Header	PLS3 (3pin Male)	1		Optional - sync output
61	IC Socket	IC Socket DIP8	5	DIP8	IC1, IC4, IC14, IC15, IC16
62	IC Socket	IC Socket DIP14	5	DIP14	IC2, IC3, IC5, IC12, IC13
63	IC Socket	IC Socket DIP16	2	DIP16	IC6, IC11
64	IC Socket	IC Socket DIP20 Collet	1	DIP20	IC10
65	IC Socket	IC Socket DIP28	1	DIP28	IC9
Off-PCB components					
66	Jumper	2pin jumper	2		
67	Knob	Davies 1900H or similar	7	Purchase	
68	Screw	M3x6 screw	4		
69	Cable	Eurorack Cable 16pin	1	Purchase	

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