

SSSR Labs. KOTELNIKOV Bill of Material

Version 1.0

#	Type	Value/Name	Qty.	Package	Designators
Chips, semiconductors					
1	IC	LM393N	1	DIP8	IC1
2	IC	CD40106N	1	DIP14	IC2
3	IC	TL074P	3	DIP14	IC3, IC12, IC13
4	IC	TL072P	3	DIP8	IC4, IC15, IC16
5	IC	CD4011	1	DIP14	IC5
6	IC	KP590KH5	1	DIP16	IC6
7	IC	78L05Z	1	TO92	IC7
8	IC	REF5050AIDR	1	SO8	IC8
9	IC	ATMEGA328P-PU	1	DIP28	IC9
10	IC	AD7545ALN	1	DIP20	IC10
11	IC	CD4042N	1	DIP16	IC11
12	IC	LF442N	1	DIP8	IC14
13	IC	AMS1117-5.0	1	SOT223	IC17
14	Transistor	2N3904	3	TO92	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		LED1, LED2, LED3, LED4, LED5
Resistors					
18	Resistor	1M	2		R1, R2
19	Resistor	100R	2		R3, R13
20	Resistor	3K	2		R4, R39
21	Resistor	10K	8		R5, R19, R20, R21, R22, R24, R25, R43
22	Resistor	100K	14		R6, R7, R9, R17, R18, R27, R28, R29, R31, R33, R35, R37, R41, R49
23	Resistor	130K	2		R8, R10
24	Resistor	30R	2		R11, R12
25	Resistor	1K	5		R14, R15, R36, R38, R40
26	Resistor	15K	1		R16
27	Resistor	470K	1		R23
28	Resistor	100K 0.1%	4		R26, R30, R32, R34
29	Resistor	10R	1		R42
30	Resistor	75K	1		R44
31	Resistor	7.5K	1		R45
32	Resistor	150K	2		R46, R47
33	Resistor	300R	1		R48

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Capacitors					
34	Electrolytic	10u	3		C1, C2, C7
35	Ceramic	100n	22		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		C8
37	Ceramic	1n	1		C24
38	Electrolytic	3.3u	1		C26
39	Electrolytic	100u	1		C28
40	Ceramic	22p	2		C30, C31
41	Ceramic	15p	1		C33
42	Mylar/Film	3n3	1		C34
43	Ceramic	300p	1		C35
44	Quartz crystal	20 MHz	1		XTAL1
Hardware					
45	Pot	B50K Alpha 9mm vert.	5		P1, P2, P3, P4, P5
46	Pot	A1M Alpha 9mm vert.	2		P6, P7
47	Jack Socket	WQP-PJ301M-12	8		J1, J2, J3, J4, J5, J6, J7, J8
48	Pushbutton	Pushbutton, 13mm	1		SW5
49	Switch	MTS203	2		SW1, SW2
50	Switch	MTS103	2		SW3, SW6
51	Switch	MTS102	1		SW4
Headers, IC Sockets					
52	Header	2x8pin Shrouded Male	1		CN1
53	Header	4pin Male	1		CN2A
54	Header	4pin Female	1		CN2B
55	Header	6pin Male	1		CN3A
56	Header	6pin Female	1		CN3B
57	Header	15pin Male	2		CN4A, CN5A
58	Header	15pin Female	2		CN4B, CN5B
59	Header	2pin Male	2		JP1, JP6
60	Header	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		
68	Screw	M3x6 screw	4		
69	Cable	Eurorack Cable 16pin	1		