VCA MIXER

Designator	Package	Quantity	Designation	Supplier and ref	
D4,D3,D1,D2	ZENER DIODE BZX55C2V0 Make sure its the 2v version	4	BZX55C2V0	https://www.ebay.co.uk/it	m/0-5W-Ze
J1	Multicomp_MC9A12-1034_2x05_P2.54mm_Vertical	1	EURORACK POWER	https://www.rapidonline.com/truconnect	
U7	DIP-8_W7.62mm_Socket_LongPads	1	TL072		
U6,U5	DIP-14_W7.62mm_LongPads	2	AS3360		
U4,U3,U2,U1	DIP-14_W7.62mm_LongPads	4	TL074		
FB2,FB1	Resistor (preferable metal film 0.25W)	2	10R		
R72,R60,R59,R58,R57,R48,R47,R40,R39	Resistor (preferable metal film 0.25W)	9	1K		
R71,R70,R69,R68,R67,R66,R65,R56	Resistor (preferable metal film 0.25W)	39	100K		
R55,R54,R53,R52,R51,R50,R49,R32,					
R31,R30,R29,R28,R27,R26,R25,R24,					
R23,R22,R21,R20,R19,R18,R17,R16,					
R15,R14,R13,R12,R11,R10,R9					
R46,R43,R38,R35	Resistor (preferable metal film 0.25W)	4	47K		
R45,R42,R37,R34	Resistor (preferable metal film 0.25W)	4	20K		
R44,R41,R36,R33	Resistor (preferable metal film 0.25W)	4	6k8		
R8,R6,R4,R2	Resistor (preferable metal film 0.25W)	4	470k		
R7,R5,R3,R1	Resistor (preferable metal film 0.25W)	4	220K		
Q4,Q3,Q2,Q1	TO-92_Inline_Wide	4	2N3904		
J22,J17,J16,J15,J14,J13,J12,J11,J10,J9,J8,J7,J6	JACK SOCKETS	13	6.35JACKS	https://www.mouser.co.uk/ProductDetai	
J5,J4,J3,J2	PinHeader_1x08_P2.54mm_Vertical	4	Main Board CONNECT		
C14,C13,C12,C11,C10,C9,C8,C7,C4,C3	Ceramic Capacitor	10	100nf		
C6,C5	Ceramic Capacitor	2	4n7		
C2,C1	Electrolytic Capacitor	2	10uf		
	D4,D3,D1,D2 J1 U7 U6,U5 U4,U3,U2,U1 FB2,FB1 R72,R60,R59,R58,R57,R48,R47,R40,R39 R71,R70,R69,R68,R67,R66,R65,R56 R55,R54,R53,R52,R51,R50,R49,R32, R31,R30,R29,R28,R27,R26,R25,R24, R23,R22,R21,R20,R19,R18,R17,R16, R15,R14,R13,R12,R11,R10,R9 R46,R43,R38,R35 R45,R42,R37,R34 R44,R41,R36,R33 R8,R6,R4,R2 R7,R5,R3,R1 Q4,Q3,Q2,Q1 J22,J17,J16,J15,J14,J13,J12,J11,J10,J9,J8,J7,J6 J5,J4,J3,J2 C14,C13,C12,C11,C10,C9,C8,C7,C4,C3 C6,C5	D4,D3,D1,D2 ZENER DIODE BZX55C2V0 Make sure its the 2v version J1 Multicomp_MC9A12-1034_2x05_P2.54mm_Vertical U7 DIP-8_W7.62mm_Socket_LongPads U6,U5 DIP-14_W7.62mm_LongPads U4,U3,U2,U1 DIP-14_W7.62mm_LongPads FB2,FB1 Resistor (preferable metal film 0.25W) R72,R60,R59,R58,R57,R48,R47,R40,R39 Resistor (preferable metal film 0.25W) R71,R70,R69,R68,R67,R66,R65,R56 Resistor (preferable metal film 0.25W) R55,R54,R53,R52,R51,R50,R49,R32, Resistor (preferable metal film 0.25W) R31,R30,R29,R28,R27,R26,R25,R24, R23,R22,R21,R20,R19,R18,R17,R16, R15,R14,R13,R12,R11,R10,R9 Resistor (preferable metal film 0.25W) R44,R41,R36,R33 Resistor (preferable metal film 0.25W) R44,R41,R36,R33 Resistor (preferable metal film 0.25W) R7,R5,R3,R1 Resistor (preferable metal film 0.25W) R7,R5,R3,R1 Resistor (preferable metal film 0.25W) Q4,Q3,Q2,Q1 TO-92_Inline_Wide J22,J17,J16,J15,J14,J13,J12,J11,J10,J9,J8,J7,J6 JACK SOCKETS J5,J4,J3,J2 PinHeader_1x08_P2.54mm_Vertical C14,C13,C12,C11,C10,C9,C8,C7,C4,C3 Ceramic Capacitor	D4,D3,D1,D2 ZENER DIODE BZX55C2V0 Make sure its the 2v version 4 J1 Multicomp_MC9A12-1034_2x05_P2.54mm_Vertical 1 U7 DIP-8_W7.62mm_Socket_LongPads 1 U6,U5 DIP-14_W7.62mm_LongPads 2 U4,U3,U2,U1 DIP-14_W7.62mm_LongPads 4 FB2,FB1 Resistor (preferable metal film 0.25W) 2 R72,R60,R59,R58,R57,R48,R47,R40,R39 Resistor (preferable metal film 0.25W) 9 R71,R70,R69,R68,R67,R66,R65,R56 Resistor (preferable metal film 0.25W) 39 R55,R54,R53,R52,R51,R50,R49,R32, R31,R30,R29,R28,R27,R26,R25,R24, R23,R22,R21,R20,R19,R18,R17,R16, R15,R14,R13,R12,R11,R10,R9 R46,R43,R38,R35 Resistor (preferable metal film 0.25W) 4 R44,R41,R36,R33 Resistor (preferable metal film 0.25W) 4 R44,R41,R36,R33 Resistor (preferable metal film 0.25W) 4 R7,R5,R3,R1 Resistor (preferable metal film 0.25W) 4 R7,R5,R3,R1 Resistor (preferable metal film 0.25W) 4 Q4,Q3,Q2,Q1 T0-92_Inline_Wide 4 J22,J17,J16,J15,J14,J13,J12,J11,J10,J9,J8,J7,J6 J35,J4,J3,J2 PinHeader_1x08_P2.54mm_Vertical 4 C14,C13,C12,C11,C10,C9,C8,C7,C4,C3 Ceramic Capacitor 10	D4,D3,D1,D2 ZENER DIODE BZX55C2V0 Make sure its the 2v version 4 BZX55C2V0 J1 Multicomp_MC9A12-1034_2x05_P2.54mm_Vertical 1 EURORACK POWER U7 DIP-8_W7.62mm_Socket_LongPads 1 TL072 U6,U5 DIP-14_W7.62mm_LongPads 2 AS3360 U4,U3,U2,U1 DIP-14_W7.62mm_LongPads 4 TL074 FB2,FB1 Resistor (preferable metal film 0.25W) 2 10R R72,R60,R59,R56,R57,R48,R47,R40,R39 Resistor (preferable metal film 0.25W) 9 1K R71,R70,R69,R68,R67,R66,R65,R56 Resistor (preferable metal film 0.25W) 39 100K R55,R54,R53,R52,R51,R50,R49,R32, 8 4 R31,R30,R29,R28,R27,R26,R25,R24, 4 4 R23,R22,R21,R20,R19,R18,R17,R16, 4 47K R45,R42,R37,R34 Resistor (preferable metal film 0.25W) 4 47K R44,R41,R36,R33 Resistor (preferable metal film 0.25W) 4 6k8 R8,R6,R4,R2 Resistor (preferable metal film 0.25W) 4 6k8 R7,R5,R3,R1 Resistor (preferable metal film 0.25W) 4 20K Q4,Q3,Q2,Q1 TO-92_Inline_Wide 4 2N3904 J22,J17,J16,J15,J14,J13,J12,J11,J10,J9,J	D4,D3,D1,D2 ZENER DIODE BZX55C2V0 Make sure its the 2v version 4 BZX55C2V0 https://www.ebay.co.uk/rit J1 Multicomp_MC9A12-1034_2x05_P2.54mm_Vertical 1 EURORACK POWER https://www.rapidonline.co U7 DIP-8_W7.62mm_Socket_LongPads 1 TL072 https://www.rapidonline.co U6,U5 DIP-14_W7.62mm_LongPads 2 AS3360 1 U4,U3,U2,U1 DIP-14_W7.62mm_LongPads 4 TL074 1 FBZ,FB1 Resistor (preferable metal film 0.25W) 2 10R 1 R72,R60,R69,R68,R67,R66,R65,R56 Resistor (preferable metal film 0.25W) 9 1K 1 R55,R54,R53,R52,R51,R50,R49,R32, Resistor (preferable metal film 0.25W) 39 100K 1 R31,R30,R29,R28,R27,R26,R25,R24, 4 4 4 4 4 R46,R43,R38,R35 Resistor (preferable metal film 0.25W) 4 47K 4 R46,R41,R36,R33 Resistor (preferable metal film 0.25W) 4 6k8 4 R8,R6,R4,R2 Resistor (preferable metal film 0.25W) 4 470k 4

VCA DAUGHTER BOARD

ld	Designator	Package	Quantity	Designation	Supplier and ref	
1	SW1,SW2,SW3,SW4	SPDT SWITCH ON-ON	4	INV's	https://www.rapidonline.com/salecon	
2	SW5,SW6,SW7,SW8	DPDT SWITCH ON-ON	4	MUTES	https://www.rapidonline.com/salecom-t8	
9	RV1,RV2,RV3,RV4,RV5	Potentiometer_Alps_RK09K	5	B100k	https://www.thonk.co.uk/shop/alpha-9m	
14	R64,R63,R62,R61	Resistor (preferable metal film 0.25W)	4	1K		
15	J18,J19,J20,J21	PinHeader_1x08_P2.54mm_Vertical	4	Daughter Brd CONNECT		
19	D5,D6,D7,D8,D9,D10,D11,D12	LED_D5.0mm	8	LED's	https://www.rapidonline.com/kingbright-	