

Buchla 208 clone BOM (MB)

by SAMODULAR / PORTABELLABZ

	Designator	Quantity	Description	Mouser Part#
Diodes				
1N457	D1	1		512-1N457

Resistors				
220R	R85, R86, R87, R88, R89	5	5% 1/4W	660-CF1/4C221J
470R	R90, R91 (noisy headphone fix)	2	1% 1/4W	660-MF1/4DC4700F
10K 1%	R92, R93 (noisy headphone fix)	2	1% 1/4W	660-MF1/4DC1002F
10K	R72, R73	2	5% 1/4W	660-CF1/4C103J
15K	R69	1	5% 1/4W	660-CF1/4C153J
33K	R70, R71	2	5% 1/4W	660-CF1/4C333J
39K	R83	1	5% 1/4W	660-CF1/4C393J
68K	R75, R79	2	5% 1/4W	660-CF1/4C683J
100K	R67, R68	2	5% 1/4W	660-CF1/4C104J
120K	R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R32, R33, R34, R35, R36, R37, R38, R39, R40, R41, R42, R43, R44, R45, R46, R47, R48, R49, R50, R51, R54, R80, R81, R84	48	5% 1/4W	660-CF1/4C124J
180K	R82	1	5% 1/4W	660-CF1/4C184J
200K	R1, R2, R58, R59, R60, R61, R62, R63, R64, R76, R77	11	5% 1/4W	660-CF1/4C204J
240K	R74, R78	2	5% 1/4W	660-CF1/4C244J
300K	R65, R66	2	5% 1/4W	660-CF1/4C304J
390K	R3, R4, R5, R6, R7, R52, R53, R55, R56, R57	10	5% 1/4W	660-CF1/4C394J
Capacitors				
1000pF ceramic	C1	1		810-FA28C0G1H10200
15uF tantal	C4, C5, C6, C7	4	axial	74-173D25V15
1000uF elec	C2, C3	2	axial	594-2222-118-16102

Potentiometers				
50K lin sliders	POT1, POT2, POT3, POT4, POT5, POT6, POT7, POT8, POT9, POT10, POT12, POT13, POT14, POT15, POT19, POT20, POT21, POT22, POT23, POT24, POT25, POT26	22	45mm Alps	SAMODULAR
10K - 100K lin	POT11, POT17, POT18	3	9mm	SAMODULAR
10K - 100K lin	POT29	1	16mm	SAMODULAR (add 1x additional nuts)
10K - 100K log	POT27, POT28, POT30, POT31	4	16mm	SAMODULAR (add 4x additional nuts)

Trimmer				
5K	TR9	1	vertical	652-3362P-1-502LF
20K	TR1, TR2, TR6, TR7, TR8	5	vertical	652-3362P-1-203LF
100K	TR3, TR4, TR5	3	vertical	652-3362P-1-104LF

Misc				
Header		36	6pin male	538-26-48-1061
		15	Banana jack black	SAMODULAR
		1	Banana jack red	SAMODULAR
		5	Banana jack violet	SAMODULAR
		2	Banana jack blue	SAMODULAR
		4	Banana jack white	SAMODULAR
		3	Banana jack yellow	SAMODULAR
		3	Banana jack orange	SAMODULAR
56pin Edgecard		2		SAMODULAR
LED 3mm red	LED1, LED2, LED3, LED4, LED5, LED6, LED7, LED8, LED9	9		78-TLHR4200

Switch DPDT	SW1, SW8, SW9, SW10, SW22, SW23	6	ON-ON-ON	611-7211-002
Switch SPDT	SW2, SW12, SW14, SW17, SW18, SW19, SW20, SW21	8	ON-OFF-ON	611-7103-002
Switch SPDT	SW3, SW4, SW5, SW6, SW7, SW13, SW15, SW16	8	ON-ON	611-7101-002
Switch SPDT	SW11	1	ON-OFF-(ON)	611-7107-002
Switch/Slider caps		1	208 set	SAMODULAR
Standoffs		8	15mm I/I	SAMODULAR
Screws		8	8x M3x6 countersunk, 8x pan head M3x6, 2x M3x12 pan head, 2x M3 nuts	
Stereo jack 1/4"		1	J17	502-N112BX
Rogan knobs		1	208 set (Alpha or RB)	SAMODULAR
Reverb tank		1	1BC2E	SAMODULAR
Tinijax 41	J36, J37	2		SAMODULAR
Tinijax 42	Preamp Input	1		SAMODULAR
Power connector		1		SAMODULAR

Buchla 208 clone BOM (CARD1 - Sequencer)

by SAMODULAR

	Designator	Quantity	Description	Mouser Part#
Diodes				
1N457	D1, D2	2		512-1N457

Resistors				
1K	R1, R3	2	5% 1/4W	660-CF1/4C102J
15K	R7	1	5% 1/4W	660-CF1/4C153J
18K	R10	1	5% 1/4W	660-CF1/4C183J
100K	R9, R12	2	5% 1/4W	660-CF1/4C104J
220K	R6	1	5% 1/4W	660-CF1/4C224J
330K	R5	1	5% 1/4W	660-CF1/4C334J
470K	R17	1	5% 1/4W	660-CF1/4C474J
680K	R2, R4, R11	3	5% 1/4W	660-CF1/4C684J
1M	R14, R15, R16, R18	4	5% 1/4W	660-CF1/4C105J

Capacitors				
100pF ceramic	C1, C3	2		810-FA28C0G1H10100
470pF ceramic	C2, C4	2		810-FA28C0G1H47100
10000pF ceramic	C5, C6	2		810-FG28C0G1H103JNT0
0.1uF ceramic	Optional IC decoupling caps	9		581-SA105C104K

ICs				
LM3900	IC1	1	14pin DIP	595-LM3900N
CD4001	IC2, IC3, IC4	3	14pin DIP	595-CD4001BE
CD4009	IC9	1	16pin DIP	595-CD4009UBEE4
CD4012	IC5	1	14pin DIP	595-CD4012BE
CD4011	IC8	1	14pin DIP	595-CD4011BE
CD4013	IC6, IC7	2	14pin DIP	595-CD4013BE

Misc				
	MOLEX1	5	6pin angled female	538-09-48-1064

Buchla 208 clone BOM (CARD2 - Random)

by SAMODULAR

	Designator	Quantity	Description	Mouser Part#
Resistors				
1K	R24	1	5% 1/4W	660-CF1/4C102J
68K	R21	1	5% 1/4W	660-CF1/4C683J
82K	R19, R20	2	5% 1/4W	660-CF1/4C823J
100K	R32, R33	2	5% 1/4W	660-CF1/4C104J
150K	R1, R3, R5, R7	4	5% 1/4W	660-CF1/4C154J

330K	R9, R11, R14, R16	4	5% 1/4W	660-CF1/4C334J
680K	R2, R4, R6, R8, R10, R12, R13, R15	8	5% 1/4W	660-CF1/4C684J
1M	R22, R26, R27, R29, R30, R31	6	5% 1/4W	660-CF1/4C105J
2.2M	R17, R18, R23, R28	4	5% 1/4W	660-CF1/4C225J

Capacitors				
22pF ceramic	C3	1		810-FA28C0G1H22000
470pF ceramic	C5	1		810-FA28C0G1H47100
10000pF ceramic	C1, C4	2		810-FG28C0G1H103JNTO

ICs				
LM3900	IC3, IC4	2	14pin DIP	595-LM3900N
CD4015	IC5	1	16pin DIP	595-CD4015BE
CD4066	IC1, IC2, IC6	3	14pin DIP	595-CD4066BE

Misc				
	MOLEX1	4	6pin angled female	538-09-48-1064

Buchla 208 clone BOM (CARD3 - Envelope Generator)

by SAMODULAR

	Designator	Quantity	Description	Mouser Part#
Diodes				
1N5228	D3, D4	2		512-1N5228B
Resistors				
22R	R7	1	5% 1/4W	660-CF1/4C220J
68R	R46	1	5% 1/4W	660-CF1/4C680J
100R	R20	1	5% 1/4W	660-CF1/4C101J
1K	R22, R35	2	5% 1/4W	660-CF1/4C102J
2.2K	R6, R18	2	5% 1/4W	660-CF1/4C222J
5.6K	R44	1	5% 1/4W	660-CF1/4C562J
6.8K	R19	1	5% 1/4W	660-CF1/4C682J
10K 1%	R31	1	1% 1/4W	660-MF1/4DC1002F
10K	R29, R30, R33, R34, R41, R42	6	5% 1/4W	660-CF1/4C103J
28.7K 1%	R5	1	1% 1/4W	660-MF1/4DC2872F
47K	R3, R4, R25	3	5% 1/4W	660-CF1/4C473J
56K	R17, R27	2	5% 1/4W	660-CF1/4C563J
60.4K 1%	R13	1	1% 1/4W	660-MF1/4DC6042F
68K	R10, R12, R15, R16	4	5% 1/4W	660-CF1/4C683J
75K 1%	R1, R2	2	1% 1/4W	660-MF1/4DC7502F
91K	R24, R32	2	5% 1/4W	660-CF1/4C913J
100K 1%	R26	1	1% 1/4W	660-MF1/4DC1003F
100K	R21, R52	2	5% 1/4W	660-CF1/4C104J
120K	R14, R28	2	5% 1/4W	660-CF1/4C124J
680K	R9, R11, R23	3	5% 1/4W	660-CF1/4C684J
820K	R8, R43	2	5% 1/4W	660-CF1/4C824J
1.5M	R40	1	5% 1/4W	660-CF1/4C155J
13M	R39/45	1	1% 1/4W	660-CF1/4C136J

Capacitors				
100pF ceramic	C1, C4, C7, C10	4		810-FA28C0G1H10100
220nF	C2	1	axial	598-MMWA2P22K-F
10000pF	C3, C5, C8, C9	4		810-FG28C0G1H103JNTO
47000pF	C6	1		810-FA28X7R1H47300

ICs				
2N1711	Q1	1		610-2N1711
2N2907	Q2	1		610-2N2907
CD4001	IC6	1	14pin DIP	595-CD4001BE
CD4025	IC5	1	14pin DIP	595-CD4025BE
CD4066	IC2, IC3	2	14pin DIP	595-CD4066BE

LM3900	IC4	1	14pin DIP	595-LM3900N
RC4136	IC1, IC7	2	14pin DIP	595-RC4136N
LM741	IC8	1	8pin DIP	926-LM741CN/NOPB

Misc				
	MOLEX1	3	6pin angled female	538-09-48-1064

Buchla 208 clone BOM (CARD4 - Pulser)

by SAMODULAR

	Designator	Quantity	Description	Mouser Part#
Diodes				
1N457	D3, D4, D5, D6	4		512-1N457
1N5228	D2	1		512-1N5228B
Resistors				
100R	R7, R23	2	5% 1/4W	660-CF1/4C101J
220R	R30, R35	2	5% 1/4W	660-CF1/4C221J
1K	R10	1	5% 1/4W	660-CF1/4C102J
2.2K	R4, R22	2	5% 1/4W	660-CF1/4C222J
4.7K	R20	1	5% 1/4W	660-CF1/4C472J
6.8K	R8, R12, R21	3	5% 1/4W	660-CF1/4C682J
10K	R2, R3, R25	3	5% 1/4W	660-CF1/4C103J
27K 1%	R1	1	1% 1/4W	660-MF1/4DC2702F
33K	R33	1	5% 1/4W	660-CF1/4C333J
47K	R15, R26	2	5% 1/4W	660-CF1/4C473J
56K	R29	1	5% 1/4W	660-CF1/4C563J
91K	R32, R34	2	5% 1/4W	660-CF1/4C913J
100K 1%	R24, R27	2	1% 1/4W	660-MF1/4DC1003F
100K	R6, R14, R31, R39	4	5% 1/4W	660-CF1/4C104J
120K	R28	1	5% 1/4W	660-CF1/4C124J
150K	R17, R18, R19	3	5% 1/4W	660-CF1/4C154J
200K	R41	1	5% 1/4W	660-CF1/4C204J
220K	R13	1	5% 1/4W	660-CF1/4C224J
390K	R36	1	5% 1/4W	660-CF1/4C394J
680K	R11	1	5% 1/4W	660-CF1/4C684J
820K	R5	1	5% 1/4W	660-CF1/4C824J
1.5M	R37	1	5% 1/4W	660-CF1/4C155J
4.7M	R9, RX1, RX2	3	5% 1/4W	660-CF1/4C475J
6.8M	R38	1	5% 1/4W	660-CF1/4C685J

Capacitors				
100pF ceramic	C5, C6	2		810-FA28C0G1H10100
1000pF ceramic	C2, C3, C4	3		810-FA28C0G1H10200
10000pF ceramic	C7, C8	2		810-FG28C0G1H103JNTO
220nF film	C1	1	axial	598-MMWA2P22K-F

ICs				
2N1711	Q1	1		610-2N1711
CD4001	IC3	1	14pin DIP	595-CD4001BE
CD4066	IC4	1	14pin DIP	595-CD4066BE
RC4136	IC1, IC2	2	14pin DIP	595-RC4136N

Misc				
	MOLEX1	4	6pin angled female	538-09-48-1064

Buchla 208 clone BOM (CARD5 - Modulator)

by SAMODULAR

	Designator	Quantity	Description	Mouser Part#
Diodes				
1N457	D1, D2	2		512-1N457

1N5236	D3, D4	2		512-1N5236B
Resistors				
1K	R2, R40	2	5% 1/4W	660-CF1/4C102J
1.5K	R19, R22	2	5% 1/4W	660-CF1/4C152J
3.3K	R3, R21, R32, R37	4	5% 1/4W	660-CF1/4C332J
4.7K	R13, R31	2	5% 1/4W	660-CF1/4C472J
6.8K	R4, R17	2	5% 1/4W	660-CF1/4C682J
10K 1%	R1	1	1% 1/4W	660-MF1/4DC1002F
10K	R42, R43, R44	3	5% 1/4W	660-CF1/4C103J
12K	R16	1	5% 1/4W	660-CF1/4C123J
15K	R30	1	5% 1/4W	660-CF1/4C153J
22K	R23, R45	2	5% 1/4W	660-CF1/4C223J
33K	R20, R29, R33, R35	4	5% 1/4W	660-CF1/4C333J
47K	R7, R26	2	5% 1/4W	660-CF1/4C473J
68K	R14, R25, R27, R28, R36, R38	6	5% 1/4W	660-CF1/4C683J
100K	R6	1	5% 1/4W	660-CF1/4C104J
130K	R39	1	5% 1/4W	660-CF1/4C134J
150K	R9, R11	2	5% 1/4W	660-CF1/4C154J
220K	R8, R12	2	5% 1/4W	660-CF1/4C224J
330K	R5	1	5% 1/4W	660-CF1/4C334J

Capacitors				
47pF ceramic	C5	1		810-FG28C0G1H470JNTO
10000pF ceramic	C2, C4	2		810-FG28C0G1H103JNTO
1uF tantal	C3	1	axial	74-173D105X9035VE3
4.7uF tantal	C1	1	axial	74-173D475X9035WWE3

ICs				
CD4066	IC2, IC3	2	14pin DIP	595-CD4066BE
RC4136	IC1, IC4, IC5	3	14pin DIP	595-RC4136N

Trimmer				
20K	R18	1		652-3362X-1-203LF

Misc				
VTL5C3	VT1, VT2, VT3, VT4, VT5, VT6, VT7	7		SAMODULAR
	MOLEX1	2	6pin angled female	538-09-48-1064

Buchla 208 clone BOM (CARD6 - Modulation Oscillator)

by SAMODULAR

	Designator	Quantity	Description	Mouser Part#
Diodes				
1N457	D1	1		512-1N457
Resistors				
220R	R40, R57	2	5% 1/4W	660-CF1/4C221J
330R	R12	1	5% 1/4W	660-CF1/4C331J
680R	R31	1	5% 1/4W	660-CF1/4C681J
1K	R6	1	5% 1/4W	660-CF1/4C102J
4.7K	R17, R30	2	5% 1/4W	660-CF1/4C472J
4.99K 1%	R20, R21	2	1% 1/4W	660-MF1/4DC4991F
6.8K	R26, R27, R29	3	5% 1/4W	660-CF1/4C682J
10K	R18, R22, R54	3	5% 1/4W	660-CF1/4C103J
15K	R10, R28, R34, R36, R39	5	5% 1/4W	660-CF1/4C153J
27K	R37	1	5% 1/4W	660-CF1/4C273J
30K	R33	1	5% 1/4W	660-CF1/4C303J
33K	R7, R23, R24, R48, R49, R56	6	5% 1/4W	660-CF1/4C333J
47K	R45, R46	2	5% 1/4W	660-CF1/4C473J
62K	R38, R59	2	5% 1/4W	660-CF1/4C623J
68K	R25	1	5% 1/4W	660-CF1/4C683J

82K	R16, R35	2	5% 1/4W	660-CF1/4C823J
91K	R8	1	5% 1/4W	660-CF1/4C913J
100K	R19, R44, R52	3	5% 1/4W	660-CF1/4C104J
120K	R55	1	5% 1/4W	660-CF1/4C124J
150K	R32	1	5% 1/4W	660-CF1/4C154J
191K 1%	R5, R58	2	1% 1/4W	660-MF1/4DC1913F
240K	R9	1	5% 1/4W	660-CF1/4C244J
330K	R13, R15	2	5% 1/4W	660-CF1/4C334J
820K	R47	1	5% 1/4W	660-CF1/4C824J
1M	R41, R42, R43	3	5% 1/4W	660-CF1/4C105J
2.2M	R50	1	5% 1/4W	660-CF1/4C225J
4.7M	R53	1	5% 1/4W	660-CF1/4C475J
6.8M	R3, R14	2	5% 1/4W	660-CF1/4C685J
10M	R4	1	5% 1/4W	660-CF1/4C106J

Capacitors				
22pF ceramic	C1	1		810-FA28C0G1H22000
100pF ceramic	C2, C6	2		810-FA28C0G1H10100
470pF ceramic	C7	1		810-FA28C0G1H47100
4.7nF film	C3	1		598-185472J100RAA-F
10000pF ceramic	C5	1		810-FG28C0G1H103JNTO
47000pF ceramic	C4	1		810-FA28X7R1H47300

ICs				
2N4339	Q5	1		SAMODULAR
2N4341	Q1	1		SAMODULAR
2N3565	Q2, Q3	2		610-2N3565
CD4066	IC5	1	14pin DIP	595-CD4066BE
LM301	IC3	1	8pin DIP	SAMODULAR
LM311	IC6	1	8pin DIP	595-LM311P
LM3900	IC1	1	14pin DIP	595-LM3900N
LS352 / 2N3806	Q4	1		SAMODULAR
RC4136	IC2	1	14pin DIP	595-RC4136N
uA726 / pA726	IC4	1		INCLUDED

Trimmer				
100K	R51	1		652-3362X-1-104LF

Misc				
	MOLEX1	2	6pin angled female	538-09-48-1064

Buchla 208 clone BOM (CARD7 - Complex Osc. PT1)

by SAMODULAR

	Designator	Quantity	Description	Mouser Part#
Diodes				
1N457	D1, D2	2		512-1N457
Resistors				
330R	R7, R26	2	5% 1/4W	660-CF1/4C331J
1K	R1, R17, R23	3	5% 1/4W	660-CF1/4C102J
1.5K	R39, R40	2	5% 1/4W	660-CF1/4C152J
1.8K 1%	R3	1	1% 1/4W	660-MF1/4DC1801F
2.2K	R5	1	5% 1/4W	660-CF1/4C222J
4.7K	R29	1	5% 1/4W	660-CF1/4C472J
10K 1%	R15, R16, R21	3	1% 1/4W	660-MF1/4DC1002F
10K	R6, R11	2	5% 1/4W	660-CF1/4C103J
15K	R33, R34, R41, R46	4	5% 1/4W	660-CF1/4C153J
22K	R12/24	1	5% 1/4W	660-CF1/4C223J
27K	R8, R9	2	5% 1/4W	660-CF1/4C273J
30K	R43	1	5% 1/4W	660-CF1/4C303J
39K	R42	1	5% 1/4W	660-CF1/4C393J

68K	R32	1	5% 1/4W	660-CF1/4C683J
82K	R28	1	5% 1/4W	660-CF1/4C823J
100K 1%	R10, R13	2	1% 1/4W	660-MF1/4DC1003F
100K	R4	1	5% 1/4W	660-CF1/4C104J
120K	R14, R44	2	5% 1/4W	660-CF1/4C124J
150K	R22	1	5% 1/4W	660-CF1/4C154J
200K	R21a, RX1	2	5% 1/4W	660-CF1/4C204J
300K	R18	1	5% 1/4W	660-CF1/4C304J
330K	R27, R31, R35	3	5% 1/4W	660-CF1/4C334J
1M	R21b	1	5% 1/4W	660-CF1/4C105J
3.3M	R38	1	5% 1/4W	660-CF1/4C335J
6.8M	R19, R30	2	5% 1/4W	660-CF1/4C685J
10M	R2, R20	2	5% 1/4W	660-CF1/4C106J

Capacitors				
22pF ceramic	C3	1		810-FA28C0G1H22000
100pF ceramic	C4, C7, C8, C9, C10, C11	6		810-FA28C0G1H10100
1000pF ceramic	C12	1		810-FA28C0G1H10200
10000pF ceramic	C6	1		810-FG28C0G1H103JNT0
47nF film	C2	1		871-B32529C473J
47uF tantal	C5	1	axial	74-173D476X9010XE3

ICs				
2N4341	Q1	1		SAMODULAR
LM301	IC3	1	8pin DIP	SAMODULAR
RC4136	IC1, IC2	2	14pin DIP	595-RC4136N
uA726 / pA726	IC4	1		INCLUDED

Trimmer				
100K	R45	1		652-3362X-1-104LF

Misc				
VTL5C3	VT1, VT2	2		SAMODULAR
	MOLEX1	3	6pin angled female	538-09-48-1064

Buchla 208 clone BOM (CARD8 - Complex Osc. PT2)

by SAMODULAR

	Designator	Quantity	Description	Mouser Part#
Diodes				
1N457	D1, D2, D3, D4	4		512-1N457
Resistors				
220R	R35, R48	2	5% 1/4W	660-CF1/4C221J
680R	R34, R38, R39	3	5% 1/4W	660-CF1/4C681J
1K	R31, R57	2	5% 1/4W	660-CF1/4C102J
1.5K	R12, R32	2	5% 1/4W	660-CF1/4C152J
3.3K	R43, R56	2	5% 1/4W	660-CF1/4C332J
4.7K	R1, R4	2	5% 1/4W	660-CF1/4C472J
4.99K 1%	R8	1	1% 1/4W	660-MF1/4DC4991F
6.8K	R2, R15, R41	3	5% 1/4W	660-CF1/4C682J
10K 1%	R5, R6, R7, R16	4	1% 1/4W	660-MF1/4DC1002F
10K	R33, R40	2	5% 1/4W	660-CF1/4C103J
15K	R30, R44, R54	3	5% 1/4W	660-CF1/4C153J
20K 1%	R17	1	1% 1/4W	660-MF1/4DC2002F
33K	R26, R27, R45	3	5% 1/4W	660-CF1/4C333J
39K	R14	1	5% 1/4W	660-CF1/4C393J
47K	R23, R24, R53, R55	4	5% 1/4W	660-CF1/4C473J
62K	R11	1	5% 1/4W	660-CF1/4C623J
68K	R9	1	5% 1/4W	660-CF1/4C683J
75K	R47	1	5% 1/4W	660-CF1/4C753J
100K	R10, R19, R29	3	5% 1/4W	660-CF1/4C104J

150K	R52	1	5% 1/4W	660-CF1/4C154J
330K	R36, R37, R46, R58	4	5% 1/4W	660-CF1/4C334J
820K	R25	1	5% 1/4W	660-CF1/4C824J
1M	R20, R21, R22	3	5% 1/4W	660-CF1/4C105J
2.2M	R28	1	5% 1/4W	660-CF1/4C225J
3.3M	R13	1	5% 1/4W	660-CF1/4C335J
4.7M	R49, R50, R51	3	5% 1/4W	660-CF1/4C475J
6.8M	R3	1	5% 1/4W	660-CF1/4C685J

Capacitors				
100pF ceramic	C2	1		810-FA28C0G1H10100
470pF ceramic	C4	1		810-FA28C0G1H47100
1000pF ceramic	C5, C6	2		810-FA28C0G1H10200
10000pF ceramic	C3	1		810-FG28C0G1H103JNT0
15nF film	C1	1	13mm LS	667-ECW-H8153HA

ICs				
2N4339 (selected)	Q1	1		SAMODULAR
CD4066	IC2	1	14pin DIP	595-CD4066BE
LM3900	IC3	1	14pin DIP	595-LM3900N
RC4136	IC1, IC4	2	14pin DIP	595-RC4136N

Trimmer				
20K	R42	1		652-3362X-1-203LF

Misc				
VTL5C3	VT1	1		SAMODULAR
	MOLEX1	3	6pin angled female	538-09-48-1064

Buchla 208 clone BOM (CARD9 - Complex Osc. PT3)

by SAMODULAR

	Designator	Quantity	Description	Mouser Part#
Diodes				
1N457	D1, D2, D3, D4, D5, D6, D7, D8, D9	9		512-1N457
Resistors				
100R	R26, R29	2	5% 1/4W	660-CF1/4C101J
470R	R1	1	5% 1/4W	660-CF1/4C471J
1.5K	R14/25	1	5% 1/4W	660-CF1/4C152J
4.7K	R2, R3, R17	3	5% 1/4W	660-CF1/4C472J
4.99K 1%	R12	1	1% 1/4W	660-MF1/4DC4991F
6.8K 1%	R21	1	1% 1/4W	660-MF1/4DC6801F
6.81K 1%	R18	1	1% 1/4W	660-MF1/4DC6811F
10K 1%	R9, R10, R11	3	1% 1/4W	660-MF1/4DC1002F
10K	R27, R28	2	5% 1/4W	660-CF1/4C103J
15K	R7, R24	2	5% 1/4W	660-CF1/4C153J
40.2K 1%	R19	1	1% 1/4W	660-MF1/4DC4022F
49.9K 1%	R23	1	1% 1/4W	660-MF1/4DC4992F
68K	R6, R20, R22	3	5% 1/4W	660-CF1/4C683J
100K	R4	1	5% 1/4W	660-CF1/4C104J
150K	R13	1	5% 1/4W	660-CF1/4C154J
6.8M	R15, R16	2	5% 1/4W	660-CF1/4C685J

Capacitors				
100pF ceramic	C6	1		810-FA28C0G1H10100
1000pF ceramic	C7	1		810-FA28C0G1H10200
10000pF ceramic	C1, C4, C5	3		810-FG28C0G1H103JNT0
15nF film	C3	1	13mm LS	667-ECW-H8153HA
22nF film	C2	1	13mm LS	667-ECW-H8223HA

ICs				
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DG200BA	IC3	1		SAMODULAR
LM301	IC5, IC6, IC7	3	8pin DIP	SAMODULAR
MC846P	IC1, IC2	2	14pin DIP	SAMODULAR
RC4136	IC4	1	14pin DIP	595-RC4136N

Trimmer				
100K	R5	1		652-3362X-1-104LF

Misc				
	MOLEX1	2	6pin angled female	538-09-48-1064

Buchla 208 clone BOM (CARD10 - PREAMP / LPG1)

by SAMODULAR

	Designator	Quantity	Description	Mouser Part#
Diodes				
1N457	D1, D2, D3	3		512-1N457
1N5228	D4	1		512-1N5228B
Resistors				
100R	R43	1	5% 1/4W	660-CF1/4C101J
220R	R45	1	5% 1/4W	660-CF1/4C221J
330R	R40	1	5% 1/4W	660-CF1/4C331J
470R	R7, R8, R12	3	5% 1/4W	660-CF1/4C471J
1K 1%	R42	1	1% 1/4W	660-MF1/4DC1001F
1K	R32, R37	2	5% 1/4W	660-CF1/4C102J
3.3K	R4, R41	2	5% 1/4W	660-CF1/4C332J
6.8K	R3, R48, R49	3	5% 1/4W	660-CF1/4C682J
10K 1%	R23, R25, R30, R38	4	1% 1/4W	660-MF1/4DC1002F
10K	R10, R17, R18, R46, R47	5	5% 1/4W	660-CF1/4C103J
15K	R35, R36, R44	3	5% 1/4W	660-CF1/4C153J
18K	R21	1	5% 1/4W	660-CF1/4C183J
33K	R9, R11, R19, R20	4	5% 1/4W	660-CF1/4C333J
62K	R6	1	5% 1/4W	660-CF1/4C623J
68K	R1	1	5% 1/4W	660-CF1/4C683J
100K	R13	1	5% 1/4W	660-CF1/4C104J
200K	R27	1	5% 1/4W	660-CF1/4C204J
300K	R22	1	5% 1/4W	660-CF1/4C304J
470K	R14, R15, R16	3	5% 1/4W	660-CF1/4C474J
1M (was 820K)	R29	1	5% 1/4W	660-CF1/4C824J
2.2M	R2, R5, R24, R31, R33, R34	6	5% 1/4W	660-CF1/4C225J
10M	R39	1	5% 1/4W	660-CF1/4C106J

Capacitors				
47pF ceramic	C11	1		810-FG28C0G1H470JNT0
100pF ceramic	C10	1		810-FA28C0G1H10100
220pF ceramic	C5	1		810-FG28C0G1H221JNT6
1000pF ceramic	C6, C12	2		810-FA28C0G1H10200
4.7nF film	C7	1		598-185472J100RAA-F
10000pF ceramic	C13, C14	2		810-FG28C0G1H103JNT0
47000pF ceramic	C1	1		810-FA28X7R1H47300
100nF film	C4	1		667-ECQ-E2104KB
1uF tantal	C3, C8, C9	3		74-173D105X9035VE3
4.7uF tantal	C2	1		74-173D475X9035WWE3

ICs				
2N1711	Q1	1		610-2N1711
2N4340	Q2	1		SAMODULAR
CD4066	IC3	1	14pin DIP	595-CD4066BE
RC4136	IC1, IC2	2	14pin DIP	595-RC4136N

Misc				
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Excelitas VTL3/C2	VT1, VT2	1		SAMODULAR
	MOLEX1	3	6pin angled female	538-09-48-1064

Buchla 208 clone BOM (CARD11 - LPG2)

by SAMODULAR

	Designator	Quantity	Description	Mouser Part#
Diodes				
1N457	D1	1		512-1N457
1N5228	D2	1		512-1N5228B
Resistors				
100R	R43	1	5% 1/4W	660-CF1/4C101J
220R	R36	1	5% 1/4W	660-CF1/4C221J
330R	R40	1	5% 1/4W	660-CF1/4C331J
1K 1%	R42	1	1% 1/4W	660-MF1/4DC1001F
1K	R17, R31, R37	3	5% 1/4W	660-CF1/4C102J
3.3K	R3, R41	2	5% 1/4W	660-CF1/4C332J
4.7K	R12	1	5% 1/4W	660-CF1/4C472J
6.8K	R9, R48, R50	3	5% 1/4W	660-CF1/4C682J
10K 1%	R4, R26, R27, R30, R38	5	1% 1/4W	660-MF1/4DC1002F
10K	R18, R20, R46, R47	4	5% 1/4W	660-CF1/4C103J
15K	R34, R35, R49	3	5% 1/4W	660-CF1/4C153J
18K	R22	1	5% 1/4W	660-CF1/4C183J
33K	R19, R21	2	5% 1/4W	660-CF1/4C333J
68K	R5, R44, R45	3	5% 1/4W	660-CF1/4C683J
200K	R28	1	5% 1/4W	660-CF1/4C204J
220K	R6	1	5% 1/4W	660-CF1/4C224J
300K	R25	1	5% 1/4W	660-CF1/4C304J
330K	R16	1	5% 1/4W	660-CF1/4C334J
1M	R1, R2, R7, R8, R10, R11, R13, R14, R15, R29	10	5% 1/4W	660-CF1/4C105J
2.2M	R23, R24, R32, R33	4	5% 1/4W	660-CF1/4C225J
10M	R39	1	5% 1/4W	660-CF1/4C106J

Capacitors				
47pF ceramic	C7	1		810-FG28C0G1H470JNT0
220pF ceramic	C1	1		810-FG28C0G1H221JNT6
1000pF ceramic	C2, C6	2		810-FA28C0G1H10200
4.7nF film	C3	1		598-185472J100RAA-F
10000pF ceramic	C8	1		810-FG28C0G1H103JNT0
1uF tantal	C4, C5	2		74-173D105X9035VE3

ICs				
2N1711	Q2	1		610-2N1711
2N4340	Q1	1		
CD4066	IC1, IC4	2	14pin DIP	595-CD4066BE
RC4136	IC2, IC3	2	14pin DIP	595-RC4136N

Misc				
Excelitas VTL3/2	VT1, VT2	1		SAMODULAR
	MOLEX1	2	6pin angled female	538-09-48-1064

Buchla 208 clone BOM (CARD12 - Output)

by SAMODULAR

	Designator	Quantity	Description	Mouser Part#
Resistors				
470R	R6, R9, R13, R21, R27	5	5% 1/4W	660-CF1/4C471J
1.5K	R31	1	5% 1/4W	660-CF1/4C152J
6.8K	R4, R5, R18, R20, R24, R26	6	5% 1/4W	660-CF1/4C682J
10K	R1, R7, R11, R16	4	5% 1/4W	660-CF1/4C103J
33K	R2, R8, R12, R17, R23	5	5% 1/4W	660-CF1/4C333J

100K	R30	1	5% 1/4W	660-CF1/4C104J
150K	R10, R14	2	5% 1/4W	660-CF1/4C154J
220K	R15	1	5% 1/4W	660-CF1/4C224J
330K	R19, R25	2	5% 1/4W	660-CF1/4C334J

Capacitors				
100pF ceramic	C4, C5, C17, C18	4		810-FA28C0G1H10100
470pF ceramic	C16	1		FA28C0G1H471JNU00
10000pF ceramic	C6, C9, C15	3		810-FG28C0G1H103JNT0
47000pF ceramic	C13, C14, CX1, CX2	4		810-FA28X7R1H47300
4.7uF tantal	C3, C7, C10, C12	4		74-173D475X9035WWE3
390uF 12V	C2	1		SAMODULAR

ICs				
LM380	IC2, IC3, IC4	3	14pin DIP	926-LM380N/NOPB
2.2uHn	L1, L2	2	axial	807-4470R-05FTR
RC4136	IC1	1	14pin DIP	595-RC4136N

Misc				
	MOLEX1	3	6pin angled female	538-09-48-1064

pA726 BOM

by SAMODULAR

	Designator	Quantity	Description	Mouser Part#
Resistors				
	2.2R 1%	2	1% 1/4W	660-MF1/4DC2R20F
	39R 1%	2	1% 1/4W	660-MF1/4DCT52R39R0F
	1K 1%	2	1% 1/4W	660-MF1/4DC1001F
	3K 1%	2	1% 1/4W	660-MF1/4DC3001F
	4.7K 1%	2	1% 1/4W	660-MF1/4DC4701F
	12K 1%	2	1% 1/4W	660-MF1/4DC1202F
	51K 1%	2	1% 1/4W	660-MF1/4DC5102F
	100K 1%	2	1% 1/4W	660-MF1/4DC1003F

Trimmer				
	500R	2		652-3362X-1-501LF

Capacitors				
	10nF film	2	5mm LS	871-B32529C103J
	100nF ceramic	6	2.5mm LS	810-FG18X7R1H104KNT0
	10uF elec	2		647-UPW1V100MDD

ICs				
	CA3046	2	14pin DIP	SAMODULAR
	TL071	2	8pin DIP	595-TL071CP
	78L10	2		595-UA78L10ACLPL

Misc				
	Jumper	2	2.54mm LS	
	Header	2	2pin angled - 2.54mm LS	