

Voltron 2 Component Kit

Item	Description	Qty	Designator	Package
	KITS			
1	CGS578 - VCA Component Kit V0.1	2		-
2	CGS592 - SSG Component Kit V2.0	1		-
3	CGS381 - Dual Voltage Processor Component Kit V2.0	1		-
4	CGS501 - Ncom Component Kit V0.2	1		-
5	CGS83 - Positive Slew Component Kit V0.0	1		-
6	CGS76 - Serge 1973 Envelope Generator Component Kit V0.0	1		-
7	CGS82 - Negative Slew Component Kit V0.0	1		-
8	CGS577 - 1973 VCF Component Kit V2.0	1		-

Bill of Materials for Voltron 2 Full Kit P0.0
CGS578 - VCA Component Kit

Item	Description	Qty	Designator	Package
CAPACITOR				
1	47pF 5% Ceramic	1	C202	RAD-0.2N
2	10nF 5% Ceramic	2	C4, C5	RAD-0.2N
3	100nF 63V Polyester	1	C201	RAD-0.2
4	100nF Ceramic	2	C6, C7	RAD-0.2N
5	10uF 35V Electrolytic	3	C1, C2, C3	RB-D5.0-P2.0
CONNECTOR				
6	KK396 - 4-way Straight - Locking Header	1	J1	-
7	CRIMP - KK396	4	J1^4	-
8	KK396 - 4-way Crimp Housing	1	J1	3.96MM
9	8-pin IC Socket 0.3inch	1	U202	DIP-8
10	16-pin IC Socket 0.3inch	1	U201	DIP-16
DIODE				
11	1N4148	1	D101	DIODE-0.3
12	6V2 5% 500mW	1	D1	DIODE-0.3
LINEAR				
13	TL071 JFET Opamp	1	U202	DIP-8
14	LM13700 - Dual OTA	1	U201	DIP-16
INDUCTOR				
15	Ferrite Bead - 5A	2	L1, L2	AXIAL-0.3
RESISTOR				
16	330R 1% 0.5W Metal Film	3	R203, R206, R210	AXIAL-0.4
17	1K0 1% 0.5W Metal Film	2	R103, R108	AXIAL-0.4
18	2K2 1% 0.5W Metal Film	2	R1, R107	AXIAL-0.4
19	10K 1% 0.5W Metal Film	1	R207	AXIAL-0.4
20	22K 1% 0.5W Metal Film	5	R102, R104, R109, R201, R204	AXIAL-0.4
21	47K 1% 0.5W Metal Film	1	R211	AXIAL-0.4

Bill of Materials for Voltron 2 Full Kit P0.0
CGS578 - VCA Component Kit

Item	Description	Qty	Designator	Package
	RESISTOR - continued			
22	68K 1% 0.5W Metal Film	3	R202, R205, R209	AXIAL-0.4
23	82K 1% 0.5W Metal Film	2	R105, R106	AXIAL-0.4
24	150K 1% 0.5W Metal Film	1	R212	AXIAL-0.4
25	220K 1% 0.5W Metal Film	1	R101	AXIAL-0.4
26	15M 5% 0.5W Carbon Film	1	R208	AXIAL-0.4
	TRANSISTOR			
27	BC557B PNP Transistor	3	Q101, Q102, Q103	TO-92
	TRIMPOT			
28	20K 25TV Cermet	1	P103	T93YA
29	50K 25TV Cermet	2	P101, P201	T93YA

Bill of Materials for Voltron 2 Full Kit P0.0
CGS592 - SSG Component Kit

Item	Description	Qty	Designator	Package
	CAPACITOR			
1	47pF 5% Ceramic	2	C102, C202	RAD-0.2N
2	100pF 5% Ceramic	1	C501	RAD-0.2N
3	1nF 63V Polyester	1	C401	RAD-0.2
4	2.2nF 63V Polyester	1	C402	RAD-0.2
5	100nF 63V Polyester	1	C101	RAD-0.2
6	100nF Ceramic	12	C603, C604, C605, C606, C607, C608, C609, C610, C611, C612, C613, C614	RAD-0.2N
7	220nF 63V Polyester	1	C201	RAD-0.2
8	10uF 35V Electrolytic	2	C601, C602	RB-D5.0-P2.0
	CONNECTOR			
9	1x2 Pin 9mm Header	1	JP1	2.54MM
10	CRIMP - KK254	3	J601^3	-
11	14-pin IC Socket 0.3inch	2	U102, U202	DIP-14
12	16-pin IC Socket 0.3inch	1	U101	DIP-16
13	3-way 0.1inch Straight Header	1	J601	2.54MM
14	8-pin IC Socket 0.3inch	3	U103, U201, U501	DIP-8
15	Jumper Shunt	1	JP1	2.54MM
16	3-way 0.1inch Crimp Housing	1	J601	2.54MM
	DIODE			
17	1N4148	8	D101, D102, D201, D202, D401, D402, D403, D501	DIODE-0.3
	LINEAR			
18	LM13700 - Dual OTA	1	U101	DIP-16
19	LM3900 - Quad Norton Amplifier	2	U102, U202	DIP-14
20	LM741 - GP Opamp	1	U501	DIP-8
21	TL072 Dual JFET Opamp	2	U103, U201	DIP-8
	INDUCTOR			
22	Ferrite Bead - 5A	2	L601, L602	AXIAL-0.3

Bill of Materials for Voltron 2 Full Kit P0.0
CGS592 - SSG Component Kit

Item	Description	Qty	Designator	Package
	RESISTOR			
23	100R 1% 0.5W Metal Film	2	R109, R209	AXIAL-0.4
24	330R 1% 0.5W Metal Film	2	R106, R206	AXIAL-0.4
25	1K2 1% 0.5W Metal Film	3	R108, R208, R504	AXIAL-0.4
26	3K3 1% 0.5W Metal Film	5	R113, R213, R503, R505, R506	AXIAL-0.4
27	10K 1% 0.5W Metal Film	4	R107, R207, R501, R502	AXIAL-0.4
28	15K 1% 0.5W Metal Film	4	R304, R306, R410, R411	AXIAL-0.4
29	33K 1% 0.5W Metal Film	9	R101, R102, R103, R201, R202, R203, R303, R404, R409	AXIAL-0.4
30	100K 1% 0.5W Metal Film	4	R301, R401, R403, R406	AXIAL-0.4
31	150K 1% 0.5W Metal Film	4	R305, R309, R412, R415	AXIAL-0.4
32	470K 1% 0.5W Metal Film	2	R110, R210	AXIAL-0.4
33	680K 1% 0.5W Metal Film	1	R405	AXIAL-0.4
34	820K 1% 0.5W Metal Film	2	R104, R205	AXIAL-0.4
35	1M0 1% 0.5W Metal Film	4	R105, R111, R204, R211	AXIAL-0.4
36	1M5 1% 0.5W Metal Film	3	R308, R408, R414	AXIAL-0.4
37	2M2 1% 0.5W Metal Film	2	R112, R212	AXIAL-0.4
38	2M7 1% 0.5W Metal Film	4	R302, R307, R402, R413	AXIAL-0.4
39	4M7 1% 0.5W Metal Film	1	R407	AXIAL-0.4
	TRANSISTOR			
40	J201 JFET	2	Q101, Q201	TO-92
41	PN4250 PNP Transistor	2	Q301, Q401	TO-92
	TRIMPOT			
42	20K 25TV Cermet	2	P303, P403	T93YA

Section 1 [CGS381 - Dual Voltage Processor Component Kit]

Item	Description	Qty	Designator	Package
	CAPACITOR			
1	47pF 5% Ceramic	2	C11, C12	RAD-0.2N
	CONNECTOR			
2	8-pin IC Socket 0.3inch	1	U11	DIP-8
	DIODE			
3	BAT48 Schottky Diode	2	D11, D12	DIODE-0.3
	LINEAR			
4	TL072 Dual JFET Opamp	1	U11	DIP-8
	RESISTOR			
5	330R 1% 0.5W Metal Film	2	R16, R19	AXIAL-0.4
6	100K 1% 0.5W Metal Film	6	R11, R12, R13, R15, R17, R18	AXIAL-0.4
7	220K 1% 0.5W Metal Film	1	R14	AXIAL-0.4

Section 2 [CGS381 - Dual Voltage Processor Component Kit]

Item	Description	Qty	Designator	Package
CAPACITOR				
1	47pF 5% Ceramic	2	C21, C22	RAD-0.2N
CONNECTOR				
2	8-pin IC Socket 0.3inch	1	U21	DIP-8
DIODE				
3	BAT48 Schottky Diode	2	D21, D22	DIODE-0.3
LINEAR				
4	TL072 Dual JFET Opamp	1	U21	DIP-8
RESISTOR				
5	330R 1% 0.5W Metal Film	2	R26, R29	AXIAL-0.4
6	100K 1% 0.5W Metal Film	6	R21, R22, R23, R25, R27, R28	AXIAL-0.4
7	220K 1% 0.5W Metal Film	1	R24	AXIAL-0.4

Power [CGS381 - Dual Voltage Processor Component Kit]

Item	Description	Qty	Designator	Package
	CAPACITOR			
1	100nF Ceramic	4	C3, C4, C5, C6	RAD-0.2N
2	10uF 35V Electrolytic	2	C1, C2	RB-D5.0-P2.0
	CONNECTOR			
3	3-way 0.1inch Crimp Housing	1	J1	2.54MM
4	3-way 0.1inch Straight Header	1	J1	2.54MM
5	CRIMP - KK254	3	J1^3	-
	INDUCTOR			
6	Ferrite Bead - 5A	2	L1, L2	AXIAL-0.3

Bill of Materials for Voltron 2 Full Kit P0.0
CGS501 - Ncom Component Kit

Item	Description	Qty	Designator	Package
CAPACITOR				
1	47pF 5% Ceramic	1	C101	RAD-0.2N
2	100nF Ceramic	6	C3, C4, C5, C6, C7, C8	RAD-0.2N
3	10uF 35V Electrolytic	3	C1, C2, C9	RB-D5.0-P2.0
CONNECTOR				
4	3-way 0.1inch Crimp Housing	1	J1	2.54MM
5	CRIMP - KK254	3	J1^3	-
6	3-way 0.1inch Straight Header	1	J1	2.54MM
7	14-pin IC Socket 0.3inch	1	U103	DIP-14
8	8-pin IC Socket 0.3inch	2	U101, U102	DIP-8
9	16-pin IC Socket 0.3inch	1	U201	DIP-16
LINEAR				
10	RC4558 Dual Opamp	2	U101, U102	DIP-8
11	LM317LZ - Adjustable Positive Voltage Regulator	1	U401	TO-92
INDUCTOR				
12	Ferrite Bead - 5A	2	L1, L2	AXIAL-0.3
LOGIC				
13	CD4520 - Dual Binary Up-Counter	1	U201	DIP-16
14	CD4093 - Quad 2-input NAND Schmitt trigger	1	U103	DIP-14
RESISTOR				
15	240R 1% 0.5W Metal Film	1	R402	AXIAL-0.4
16	330R 1% 0.5W Metal Film	1	R109	AXIAL-0.4
17	698R 1% 0.5W Metal Film	1	R403	AXIAL-0.4
18	2K2 1% 0.5W Metal Film	3	R107, R115, R116	AXIAL-0.4
19	33K 1% 0.5W Metal Film	2	R106, R114	AXIAL-0.4
20	47K 1% 0.5W Metal Film	5	R101, R102, R103, R104, R108	AXIAL-0.4
21	51K1 1% 0.5W Metal Film	2	R110, R113	AXIAL-0.4

Bill of Materials for Voltron 2 Full Kit P0.0
CGS501 - Ncom Component Kit

Item	Description	Qty	Designator	Package
	RESISTOR - continued			
22	110K 1% 0.5W Metal Film	1	R105	AXIAL-0.4
23	121K 1% 0.5W Metal Film	1	R111	AXIAL-0.4
24	249K 1% 0.5W Metal Film	7	R202, R203, R204, R205, R206, R207, R208	AXIAL-0.4
25	499K 1% 0.5W Metal Film	1	R201	AXIAL-0.4
26	1M0 1% 0.5W Metal Film	1	R209	AXIAL-0.4
27	6M8 1% 0.5W Metal Film	1	R117	AXIAL-0.4
	TRANSISTOR			
28	2N3904 NPN Transistor	2	Q101, Q102	TO-92
	TRIMPOT			
29	100R 25TV Cermet	1	P401	T93YA

Bill of Materials for Voltron 2 Full Kit P0.0
CGS83 - Positive Slew Component Kit

Item	Description	Qty	Designator	Package
	CAPACITOR			
1	220pF 5% Ceramic	2		RAD-0.2N
2	100nF 63V Polyester	4		RAD-0.2
3	330nF 63V Polyester	2		RAD-0.2
4	10uF 35V Electrolytic	3		RB-D5.0-P2.0
	CONNECTOR			
5	CRIMP - KK396	4		-
6	KK396 - 4-way Crimp Housing	1		3.96MM
7	KK396 - 4-way Straight - Locking Header	1		-
8	14-pin IC Socket 0.3inch	4		DIP-14
	DIODE			
9	1N4148	4		DIODE-0.3
	LINEAR			
10	LM3900 - Quad Norton Amplifier	4		DIP-14
	INDUCTOR			
11	Ferrite Bead - 5A	2		AXIAL-0.3
	RESISTOR			
12	33R 1% 0.5W Metal Film	2		AXIAL-0.4
13	100R 1% 0.5W Metal Film	2		AXIAL-0.4
14	220R 1% 0.5W Metal Film	6		AXIAL-0.4
15	3K3 1% 0.5W Metal Film	2		AXIAL-0.4
16	4K7 1% 0.5W Metal Film	12		AXIAL-0.4
17	5K6 1% 0.5W Metal Film	1		AXIAL-0.4
18	6K8 1% 0.5W Metal Film	1		AXIAL-0.4
19	10K 1% 0.5W Metal Film	2		AXIAL-0.4
20	18K 1% 0.5W Metal Film	4		AXIAL-0.4
21	47K 1% 0.5W Metal Film	2		AXIAL-0.4

CGS83 - Positive Slew Component Kit

Item	Description	Qty	Designator	Package
	RESISTOR - continued			
22	100K 1% 0.5W Metal Film	10		AXIAL-0.4
23	220K 1% 0.5W Metal Film	4		AXIAL-0.4
24	470K 1% 0.5W Metal Film	6		AXIAL-0.4
25	820K 1% 0.5W Metal Film	2		AXIAL-0.4
26	1M0 1% 0.5W Metal Film	4		AXIAL-0.4
	TRANSISTOR			
27	BC557B PNP Transistor	4		TO-92
28	BC547B NPN Transistor	9		TO-92
	TRIMPOT			
29	20K 1TV Cermet	2		3306F

CGS76 - Serge 1973 Envelope Generator Component Kit

Item	Description	Qty	Designator	Package
	CAPACITOR			
1	100pF 5% Ceramic	1		RAD-0.2N
2	220pF 5% Ceramic	1		RAD-0.2N
3	10nF 63V Polyester	1		RAD-0.2
4	100nF Ceramic	3		RAD-0.2N
5	470nF 63V Polyester	1		RAD-0.2X
6	10uF 35V Electrolytic	2		RB-D5.0-P2.0
	CONNECTOR			
7	CRIMP - KK396	4		-
8	14-pin IC Socket 0.3inch	2		DIP-14
9	KK396 - 4-way Crimp Housing	1		3.96MM
10	KK396 - 4-way Straight - Locking Header	1		-
	DIODE			
11	1N4148	6		DIODE-0.3
	LINEAR			
12	LM3900 - Quad Norton Amplifier	2		DIP-14
	INDUCTOR			
13	Ferrite Bead - 5A	2		AXIAL-0.3
	RESISTOR			
14	33R 1% 0.5W Metal Film	1		AXIAL-0.4
15	470R 1% 0.5W Metal Film	5		AXIAL-0.4
16	1K0 1% 0.5W Metal Film	2		AXIAL-0.4
17	1K8 1% 0.5W Metal Film	1		AXIAL-0.4
18	2K2 1% 0.5W Metal Film	2		AXIAL-0.4
19	3K3 1% 0.5W Metal Film	1		AXIAL-0.4
20	6K8 1% 0.5W Metal Film	2		AXIAL-0.4
21	15K 1% 0.5W Metal Film	1		AXIAL-0.4

CGS76 - Serge 1973 Envelope Generator Component Kit

Item	Description	Qty	Designator	Package
RESISTOR - continued				
22	22K 1% 0.5W Metal Film	2		AXIAL-0.4
23	33K 1% 0.5W Metal Film	7		AXIAL-0.4
24	68K 1% 0.5W Metal Film	2		AXIAL-0.4
25	82K 1% 0.5W Metal Film	2		AXIAL-0.4
26	100K 1% 0.5W Metal Film	5		AXIAL-0.4
27	330K 1% 0.5W Metal Film	2		AXIAL-0.4
28	470K 1% 0.5W Metal Film	7		AXIAL-0.4
29	1M0 1% 0.5W Metal Film	2		AXIAL-0.4
30	1M5 1% 0.5W Metal Film	2		AXIAL-0.4
31	10M 1% 0.5W Metal Film	2		AXIAL-0.4
TRANSISTOR				
32	BC547B NPN Transistor	9		TO-92
33	BC557B PNP Transistor	3		TO-92
TRIMPOT				
34	10K 1TV Cermet	1		3306F
35	20K 1TV Cermet	1		3306F

Bill of Materials for Voltron 2 Full Kit P0.0
CGS82 - Negative Slew Component Kit

Item	Description	Qty	Designator	Package
	CAPACITOR			
1	120pF 5% Ceramic	2		RAD-0.2N
2	10nF 63V Polyester	2		RAD-0.2
3	100nF Ceramic	4		RAD-0.2N
4	330nF 63V Polyester	2		RAD-0.2
5	10uF 35V Electrolytic	3		RB-D5.0-P2.0
	CONNECTOR			
6	KK396 - 4-way Crimp Housing	1		3.96MM
7	KK396 - 4-way Straight - Locking Header	1		-
8	CRIMP - KK396	4		-
9	14-pin IC Socket 0.3inch	4		DIP-14
	LINEAR			
10	LM3900 - Quad Norton Amplifier	2		DIP-14
	INDUCTOR			
11	Ferrite Bead - 5A	2		AXIAL-0.3
	RESISTOR			
12	33R 1% 0.5W Metal Film	2		AXIAL-0.4
13	220R 1% 0.5W Metal Film	4		AXIAL-0.4
14	4K7 1% 0.5W Metal Film	4		AXIAL-0.4
15	5K6 1% 0.5W Metal Film	1		AXIAL-0.4
16	6K8 1% 0.5W Metal Film	5		AXIAL-0.4
17	10K 1% 0.5W Metal Film	6		AXIAL-0.4
18	18K 1% 0.5W Metal Film	4		AXIAL-0.4
19	22K 1% 0.5W Metal Film	4		AXIAL-0.4
20	100K 1% 0.5W Metal Film	2		AXIAL-0.4
21	220K 1% 0.5W Metal Film	6		AXIAL-0.4
22	330K 1% 0.5W Metal Film	2		AXIAL-0.4
23	470K 1% 0.5W Metal Film	8		AXIAL-0.4

Bill of Materials for Voltron 2 Full Kit P0.0
CGS82 - Negative Slew Component Kit

Item	Description	Qty	Designator	Package
	RESISTOR - continued			
24	820K 1% 0.5W Metal Film	2		AXIAL-0.4
25	1M0 1% 0.5W Metal Film	2		AXIAL-0.4
	TRANSISTOR			
26	BC547B NPN Transistor	3		TO-92
27	CA3046 5 NPN Transistors	2		DIP-14
	TRIMPOT			
28	20K 1TV Cermet	2		3306F

Bill of Materials for Voltron 2 Full Kit P0.0
CGS577 - 1973 VCF Component Kit

Item	Description	Qty	Designator	Package
CAPACITOR				
1	22pF 10% Ceramic	1	C201	RAD-0.2N
2	100pF 5% Ceramic	2	C101, C102	RAD-0.2N
3	220pF 2.5% Polystyrene	2	C203, C205	AXIAL-0.4W
4	100nF Ceramic	4	C303, C304, C305, C306	RAD-0.2N
5	100nF 63V Polyester	2	C202, C204	RAD-0.2
6	10uF 35V Electrolytic	2	C301, C302	RB-D5.0-P2.0
CONNECTOR				
7	16-pin IC Socket 0.3inch	1	U202	DIP-16
8	KK396 - 4-way Crimp Housing	1	J301	3.96MM
9	KK396 - 4-way Straight - Locking Header	1	J301	-
10	14-pin IC Socket 0.3inch	1	U101	DIP-14
11	CRIMP - KK396	4	J301^4	-
12	8-pin IC Socket 0.3inch	1	U201	DIP-8
LINEAR				
13	LM3900 - Quad Norton Amplifier	1	U101	DIP-14
14	LM13700 - Dual OTA	1	U202	DIP-16
15	TL071 JFET Opamp	1	U201	DIP-8
INDUCTOR				
16	Ferrite Bead - 5A	2	L301, L302	AXIAL-0.3
RESISTOR				
17	Wire Link	1	R110	TO FIT
18	330R 1% 0.5W Metal Film	3	R207, R213, R219	AXIAL-0.4
19	470R 1% 0.5W Metal Film	4	R208, R209, R215, R216	AXIAL-0.4
20	2K2 1% 0.5W Metal Film	2	R211, R218	AXIAL-0.4
21	3K3 1% 0.5W Metal Film	2	R210, R217	AXIAL-0.4
22	4K7 1% 0.5W Metal Film	1	R108	AXIAL-0.4
23	15K 1% 0.5W Metal Film	1	R117	AXIAL-0.4

Bill of Materials for Voltron 2 Full Kit P0.0
CGS577 - 1973 VCF Component Kit

Item	Description	Qty	Designator	Package
RESISTOR - continued				
24	18K 1% 0.5W Metal Film	1	R107	AXIAL-0.4
25	22K 1% 0.5W Metal Film	5	R103, R104, R115, R122, R202	AXIAL-0.4
26	33K 1% 0.5W Metal Film	3	R109, R111, R112	AXIAL-0.4
27	68K 1% 0.5W Metal Film	8	R113, R120, R201, R203, R204, R206, R212, R214	AXIAL-0.4
28	100K 1% 0.5W Metal Film	1	R118	AXIAL-0.4
29	330K 1% 0.5W Metal Film	2	R105, R106	AXIAL-0.4
30	470K 1% 0.5W Metal Film	2	R114, R121	AXIAL-0.4
31	1M0 1% 0.5W Metal Film	3	R101, RVC1, RVC2 NB: See wiring diagram for RVC	AXIAL-0.4
32	3M3 1% 0.5W Metal Film	1	R102	AXIAL-0.4
33	8M2 1% 0.5W Metal Film	1	R205	AXIAL-0.4
34	22M 5% 0.25W Metal Glazed	2	R116, R119	AXIAL-0.4
TRANSISTOR				
35	2N3906 PNP Transistor	2	Q101, Q102	TO-92
36	J201 JFET	2	Q201, Q203 NB: Marked LSJ20F	TO-92
37	BC559B PNP Transistor	2	Q202, Q204	TO-92
TRIMPOT				
38	20K 25TV Cermet	1	P101	T93YA

Voltron 2 Mounting Kit

Item	Description	Qty	Designator	Package
	HARDWARE			
1	M3 x 16mm Bolt PH	2	MH112, MH113	-
2	M3 x 5mm Nylon Spacer Threaded	40	MH11, MH12, MH13, MH14, MH21, MH22, MH23, MH24, MH31, MH32, MH33, MH34, MH41, MH42, MH43, MH44, MH51, MH52, MH53, MH54, MH61, MH62, MH63, MH64, MH71, MH72, MH73, MH74, MH81, MH82, MH83, MH84, MH91, MH92, MH93, MH94, MH101, MH102, MH103, MH104	-
3	M3 x 12mm Bolt PH	36	MH11, MH12, MH13, MH14, MH21, MH22, MH23, MH24, MH33, MH34, MH51, MH52, MH53, MH54, MH61, MH62, MH63, MH64, MH71, MH72, MH73, MH74, MH81, MH82, MH83, MH84, MH91, MH92, MH93, MH94, MH101, MH102, MH103, MH104, MH111, MH113	-
4	M3 Nut	36	MH11, MH12, MH13, MH14, MH21, MH22, MH23, MH24, MH33, MH34, MH51, MH52, MH53, MH54, MH61, MH62, MH63, MH64, MH71, MH72, MH73, MH74, MH81, MH82, MH83, MH84, MH91, MH92, MH93, MH94, MH101, MH102, MH103, MH104, MH111, MH113	-
5	M3 x 6mm Bolt PH	2	MH121, MH122	-
6	M3 x 15mm Nylon Spacer Threaded	2	MH41, MH42 NB: CGS04	-
	KITS			
7	4U Boat Hardware Kit	1	BOAT	-

Boat [4U Boat Hardware Kit]

Item	Description	Qty	Designator	Package
CONNECTOR				
1	MIC4 Male Socket [Panel Rear Mount]	1	POWER_IN	-
2	MIC4 Female Plug	1	POWER_IN	-
3	4mm Socket - Chassis	1	GND	-
HARDWARE				
4	M6 Star Washer	1	GND	-
PCB				
5	CGS420 - MIC Carrier PCB V0.2	1	BOAT	-
KITS				
6	CGS420 - MIC Carrier Component Kit	1	POWER_IN	-
7	CGS391 - PCB Mounting Rail Set V1.2	1	BOAT	-

Bill of Materials for Voltron 2 Full Kit P0.0
CGS420 - MIC Carrier Component Kit

Item	Description	Qty	Designator	Package
	CONNECTOR			
1	CRIMP - KK396	6	J2^3, J3^3	-
2	KK396 - 3-way Crimp Housing	2	J2, J3	-
3	KK396 - 3-way Straight - Locking Header	2	J2, J3	-

Bill of Materials for Voltron 2 Full Kit P0.0
CGS391 - PCB Mounting Rail Set

Item	Description	Qty	Designator	Package
	PCB			
1	CGS391 - PCB Mounting Rail V1.2	2		-

Voltron 2 Hardware Kit

Item	Description	Qty	Designator	Package
KITS				
1	CGS578 - VCA Hardware Kit V0.1	2		-
2	CGS592 - SSG Hardware Kit V2.0	1		-
3	CGS501 - NCom Hardware Kit V0.2	1		-
4	CGS381 - Dual Voltage Processor Hardware Kit V2.0	1		-
5	CGS577 - 1973 VCF Hardware Kit V2.0	1		-
6	CGS83 - Positive Slew Hardware Kit V0.0	1		-
7	CGS82 - Negative Slew Hardware Kit V0.0	1		-
8	CGS76 - 1973 Serge Envelope Generator Hardware Kit V0.0	1		-

Bill of Materials for Voltron 2 Full Kit P0.0
CGS592 - SSG Hardware Kit

Item	Description	Qty	Designator	Package
CONNECTOR				
1	4mm Socket - Yellow [Logic OUT]	3	J103, J203, J502	-
2	4mm Socket - White [AC OUT]	3	J102, J202, J501 NB: J501 is HOT	-
3	4mm Socket - Black [AC IN]	2	J101, J201	-
4	4mm Socket - Red [Logic IN]	2	J203, J402	-
5	4mm Socket - Blue [DC IN]	2	J301, J401	-
HARDWARE				
6	KNOB - Serge 1900H	4	P301, P302, P401, P402	18T
OPTO-ELECTRONIC				
7	LED Panel Indicator - RED	1	D502	-
8	LED Panel Indicator - RED/GREEN	2	D103, D203	-
POTENTIOMETER				
9	50KB LIN - 18T Spline	4	P301, P302, P401, P402	ALPHA 16MM

CGS501 - NCom Hardware Kit

Item	Description	Qty	Designator	Package
	CONNECTOR			
1	4mm Socket - Yellow [Logic OUT]	2	J2, J3	-
2	4mm Socket - Blue [DC IN]	3	J4, J5, J6	-
3	4mm Socket - Green [DC OUT]	1	J7	-
	HARDWARE			
4	KNOB - Serge 1900H	2	P103, P104	18T
	POTENTIOMETER			
5	100KB LIN - 18T Spline	2	P103, P104	ALPHA 16MM
	RESISTOR			
6	Wire Link	3	P101, P102, P105	TO FIT

Bill of Materials for Voltron 2 Full Kit P0.0
CGS577 - 1973 VCF Hardware Kit

Item	Description	Qty	Designator	Package
	CONNECTOR			
1	4mm Socket - White [AC OUT]	3	BAND, HIGH, LOW	-
2	4mm Socket - Blue [DC IN]	1	VC_F	-
3	4mm Socket - Black [AC IN]	1	INPUT	-
	HARDWARE			
4	KNOB - Serge 1900H	4	FREQUENCY, INPUT, Q, VC_F	18T
	POTENTIOMETER			
5	50KA LOG - 18T Spline	1	Q	ALPHA 16MM
6	100KB LIN - 18T Spline	3	FREQUENCY, INPUT, VC_F	ALPHA 16MM
	SWITCH			
7	DPDT Panel [ON-ON]	1	AUDIO_SUBSONIC	-

Bill of Materials for Voltron 2 Full Kit P0.0
CGS83 - Positive Slew Hardware Kit

Item	Description	Qty	Designator	Package
	CONNECTOR			
1	4mm Socket - Yellow [Logic OUT]	4		-
2	4mm Socket - Blue [DC IN]	4		-
3	4mm Socket - Green [DC OUT]	2		-
4	4mm Socket - Red [Logic IN]	4		-
	HARDWARE			
5	KNOB - Serge 1900H	4		18T
	POTENTIOMETER			
6	100KB LIN - 18T Spline	4		ALPHA 16MM

Bill of Materials for Voltron 2 Full Kit P0.0
CGS82 - Negative Slew Hardware Kit

Item	Description	Qty	Designator	Package
	CONNECTOR			
1	4mm Socket - Blue [DC IN]	4		-
2	4mm Socket - Yellow [Logic OUT]	4		-
3	4mm Socket - Green [DC OUT]	2		-
	HARDWARE			
4	KNOB - Serge 1900H	4		18T
	OPTO-ELECTRONIC			
5	LED Panel Indicator - RED	2		-
	POTENTIOMETER			
6	100KB LIN - 18T Spline	4		ALPHA 16MM

CGS76 - 1973 Serge Envelope Generator Hardware Kit

Item	Description	Qty	Designator	Package
	CONNECTOR			
1	4mm Socket - Blue [DC IN]	3		-
2	4mm Socket - Green [DC OUT]	1		-
3	4mm Socket - Yellow [Logic OUT]	1		-
4	4mm Socket - Red [Logic IN]	3		-
	HARDWARE			
5	KNOB - Serge 1900H	4		18T
	OPTO-ELECTRONIC			
6	LED Panel Indicator - RED	1		-
7	LED Panel Indicator - GREEN	1		-
	POTENTIOMETER			
8	20KB LIN - 18T Spline	1		ALPHA 16MM
9	100KB LIN - 18T Spline	3		ALPHA 16MM
	SWITCH			
10	SPDT Panel [ON-ON]	3		-

