

Bill Of Materials for 6922 Amp Composit rev2

Design Title 6922 Amp Composit rev2
Author Robert N Dee
Document Number
Revision 1
Assembly Variant Exc. from BOM
Design Created Monday, June 12, 2017
Design Last Modified Tuesday, October 17, 2017
Total Parts In Design 234

81 Resistors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Package Type</u>	<u>notes</u>
2	R1,R6	33k	generic	1% thru hole	1W metal film
6	R2,R5,R9,R12,R17,R21	470k	667-ERA-6AEB	0805	.1%
2	R3-R4	680	667-ERA-6AEB	0805	1%
2	R7-R8	4.7k	667-ERA-6AEB	0805	5%
2	R10,R18	20k	667-ERA-6AEB	0805	.1%
2	R11,R20	240k	667-ERA-6AEB	0805	
4	R13,R15-R16,R22	20	generic	1/4W	5%
3	R14,R82,R84	100	generic	0805	5%
2	R19,R39	240	generic	0805	
4	R23-R26	1k	generic	0805	5%
2	R27-R28	1k	667-ERA-6AEB	0805	.1%
3	R29-R31	100k	generic	0805	5%
1	R32	1300	generic	0805	
1	R33	36	generic	0805	
18	R34,R38,R47,R54,R58-R62,R65-R72, R81	1k	generic	0805	
2	R35-R36	120	generic	0805	
3	R37,R49,R56	220k	generic	0805	
1	R40	1ohm	generic	Thru hole	1W
2	R44,R51	6.2k	generic	0805	
2	R45,R52	910k	generic	0805	
2	R46,R53	150k	generic	0805	
2	R48,R55	470k	generic	thru hole	1W
2	R50,R57	100	generic	thru hole	
2	R63,R76	100k	generic	0805	
5	R64,R73-R75,R78	10k	generic	0805	
1	R77	5.1k	generic	0805	
2	R79-R80	4.7k	generic	0805	
1	R83	180	generic	0805	

Sub-totals:

55 Capacitors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Package Type</u>	<u>notes</u>
9	C1,C3-C6,C9-C11,C14	.1uF		poly	.200 spacing
2	C2,C7	.47uF-63V	Wima,etc.		
2	C8,C55	10uF	generic		
2	C12-C13	.47uF-250V	Wima,etc.		
9	C15,C18,C21,C24-C27,C30-C31	.1uF	generic		.200 spacing
1	C16	10uF	generic		radial elec
3	C17,C19,C23	1uF	generic		radial elec
2	C20,C22	10uF	Generic		radial elec
1	C28	470uF	Generic		radial elec

2	C29,C32	1000uF	Generic		radial elec
1	C33	10uF	generic	Thru hole	radial
1	C34	10000U	generic	Thru hole	radial
2	C35-C36	.1uF	generic	Thru hole	poly
1	C37	22uF	generic	Thru hole	radial
2	C38,C44	270uF	generic	thru hole	radial
3	C39,C42,C45	47uF	generic	thru hole	radial
4	C40-C41,C46-C47	.1uF	generic	thru hole	poly
2	C43,C49	1uF	generic	thru hole	radial
1	C48	4.7uF	generic	thru hole	radial
1	C50	.1uF		0805	
1	C51	1000uF	Digikey P5115-ND	Generic	MEM. STORAGE
2	C52-C53	.1uF			
1	C54	470uF	Digikey P5115-ND	Generic	MEM. STORAGE

Sub-totals:

29 Diodes

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Package Type</u>	<u>notes</u>
8	D1-D8	1N914		SOD123	
21	D9-D29	1N4007	Generic	SOD123	

Sub-totals:

69 Miscellaneous

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Package Type</u>	<u>notes</u>
1	BR1	MDB10S	MDB10S		
2	DISP1-DISP2	7SEG- 56 IN	Generic	com cathode	
1	E1	ENCODER EC11E	318-ENC111F-20P		
1	J1	Input-1	161-4221-E	alt: 161-4219-e	Mouser
1	J2	display	SIL2		.1 Spacing
1	J3	B+	sil3	3 pin	.100 spacing
1	J4	Power	sil6	6 pin	.100 spacing
1	J5	Input-2	161-4221-E	alt: 161-4219-e	
1	J6	Pwr	SIL6		.100 Spacing
1	J7	Input-3	161-4221-E	alt: 161-4219-e	
1	J8	fil gnd			
1	J9	to uC	SIL2	2 pin	.100 spacing
1	J10	Fil	SIL3	3 pin	.100 spacing
1	J11	Out 1	161-4221-E	alt: 161-4219-e	
1	J12	Phones bypass	SIL2	2 pin	.100 spacing
1	J13	Out 2	161-4221-E	alt: 161-4219-e	
1	J14	to phone jk	generic	SIL3	.100 spacing
1	J15	LED in	generic	SIL5	.100 spacing
1	J16	to input sw	generic	SIL5	.100 spacing
1	J17	30VAC-ct	generic	SIL3	.100 spacing
1	J18	gnd	generic	SIL2	.100 spacing
1	J19	filament	generic	SIL2	.100 spacing
1	J20	AC in	generic	SIL3	.100 spacing
2	J21,J24	AC HV in	generic	SIL3	.100 spacing
2	J22,J25	B+ out	generic	SIL2	.100 spacing
2	J23,J26	gnd jumper	generic	SIL1	.100 spacing
1	J27	SDA-SCL	SIL2	SIL2	.100 spacing
1	J28	+5 Volts in	SIL3	SIL3	.100 spacing
1	J29	CONN-SIL4		SIL4	.100 spacing
1	LED2	SMLW56RGB	SMLW56RGB1W1		Mouser

6	Q1-Q6	2N7000		SOT23	
1	Q7	2N3906	generic	TO92A	
2	Q8-Q9	MPSA92	generic	TO92A	
4	RL1-RL4	D3226	655-D3226	thru hole	Mouser
1	RV1	100	PV37Y101		Mouser
1	RV2	500	generic	0805	
1	TRANSFORMER1	18VCT	generic	filament	
1	TRANSFORMER2	30VCT	generic	opamp,Display,etc.	
1	TRANSFORMER3	FP230-25	Triad	HV	Mouser
1	U1	6922		9 pin pcb	
2	U2,U4	HA-5002		DIP8	or SO8/adaptor
1	U3	DS1882		SO16	
2	U5,U10	78L05		TO-92A	
1	U6	7805		TO-220	
1	U7	LM1084		TO220	
1	U8	LM337T		TO220	
1	U9	79L05		TO-92A	
1	U12	LM1084	generic	TO220	
2	U13-U14	LR8N	689-LR8K3	TO252	Mouser
2	U15,U17	4511		SO16	
1	U16	ATTINY2313A		DIP20	
1	U18	7812			

Sub-totals:

Totals:

Tuesday, October 17, 2017 1:43:10 PM