

# JENSAMP-51X

circuit by Darius Kubarth / Kubi

## rev04 Parts-List

Resistors				
Quantity	Position	Value	Type	Package
1	R1	10R	2W 5% MF	0414
4	R12	22R	0,5W 1% MF	0207
	R15			
	R21			
	R22			
1	R11	220R	0,5W 1% MF	0207
1	RG1	330R	0,5W 1% MF	0207
1	RV6	1K	MT Trimmer	64Y
<i>optional:</i>	R6	470R*	0,5W 1% MF	207
1	RG2	560R	0,5W 1% MF	0207
2	R17	680R	0,5W 1% MF	0207
	R20			
1	RG3	1K	0,5W 1% MF	0207
1	RG4	1K8	0,5W 1% MF	0207
1	R13	2K	0,5W 1% MF	0207
1	RG5	3K3	0,5W 1% MF	0207
1	R7	4K7	0,5W 1% MF	0207
1	RLED2	5K1	0,5W 1% MF	0207
1	RG6	5K6	0,5W 1% MF	0207
2	R19	6K81	0,5W 1% MF	0207
	R24			
7	R4	10K	0,5W 1% MF	0207
	R5			
	R10			
	R16			
	R23			
	RG7			
	RLED1			
1	RT1	15K	0,5W 1% MF	0207
1	RG8	18K	0,5W 1% MF	0207
1	RP1	22K	0,5W 1% MF	0207
2	R2	33K	0,5W 1% MF	0207
	RG9			
2	R9	56K	0,5W 1% MF	0207
	RG10			
1	R8	68K	0,5W 1% MF	0207
1	R3	91K	0,5W 1% MF	0207
3	RG11	100K	0,5W 1% MF	0207
	RP2			
	R18			
1	RG12	180K	0,5W 1% MF	0207

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<b>Capacitors</b>				
<b>Quantity</b>	<b>Position</b>	<b>Value</b>	<b>Type</b>	<b>Spacing</b>
1	CG12	8pF	Ceramic	5mm
1	CG11	15pF	Ceramic	5mm
1	CG10	27pF	Ceramic	5mm
1	CG9	47pF	Ceramic	5mm
1	CG8	82pF	Ceramic	5mm
1	CG7	150pF	Ceramic	5mm
1	CG6	270pF	Ceramic	5mm
1	C13	330pF	Ceramic	5mm
1	CG5	470pF	Ceramic	5mm
1	CG4	820pF	Ceramic	5mm
1	CG3	1500pF	Ceramic	5mm
1	CG2	2700pF	Ceramic	5mm
1	CG1	4700pF	Ceramic	5mm
2	C(BP)9	10nF	Ceramic	5mm
	C(BP)12			
10	C(BP)1	100nF	WIMA MKS2	5mm
	C(BP)2			
	C(BP)3			
	C(BP)4			
	C(BP)5			
	C(BP)6			
	C(BP)7			
	C(BP)10			
	C(BP)11			
	C(BP)16			
1	C14	68nF	WIMA MKS4	7,5mm
2	C9	6 $\mu$ 8F	WIMA MKS4	27,5mm
	C12			
2	C15	22 $\mu$ F / 63V	Electrolytic	Radial, 2,5mm
	CP1			
6	C1	470 $\mu$ F / 35V	Electrolytic	Radial, 5mm
	C2			
	C3			
	C7			
	C10			
	C11			
2	C4	100 $\mu$ F / 35V	Electrolytic	Radial, 5mm
	C5			
2	C6	1000 $\mu$ F / 35V	Electrolytic	Radial, 5mm
	C16			

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<b>Diodes</b>				
<b>Quantity</b>	<b>Position</b>	<b>Value</b>	<b>Type</b>	<b>Package</b>
3	DP1	1N4148		DO35
	DREL1			
	DREL2			
2	D1	1N4004		DO41
	D2			
2	LED1	White / Blue		3mm
	LED2			

<b>Transistors</b>				
<b>Quantity</b>	<b>Position</b>	<b>Value</b>	<b>Type</b>	<b>Package</b>
1	Q1	BC109		TO18
1	Q2	ASY26	Germanium	TO39
<i>optional:</i>		<i>BC560*</i>		<i>TO92</i>
4	Q3	BC140		TO39
	Q4			
	Q5			
	Q6			
1	QP1	BC550		TO92

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<b>Mechanical Parts / Switchs / Misc.</b>				
<b>Quantity</b>	<b>Position</b>	<b>Value</b>	<b>Type</b>	<b>Package</b>
1		PCB	rev04	GDIY51X REQUIRED
1		L-Bracket		
1		Front Panel		
4		Screws		3mm
4		Lock Washers		3mm
1	S1	Grayhill Series71	1x12	71ADF30-01-1-AJS
1		Marshall Knob	Gold	
1		1/4 to 1/8 adapter		
3	S2	Toggle Switch	SPDT	
	S3			
	S4			
1	S5	Toggle Switch	DPDT	
2	REL1	Relay	TQ2-24V	DPDT (2 Form C)
	REL2			
4	Q3	Heatsink		TO39
	Q4			
	Q5			
	Q6			
2		LED holders		3mm
1	CON1	PC Mount Jack		NRJ6HF
1	CON1	Plastic Nut		NRJ-NUT-B
1	TRX1	Haufe ST 8456*		
<i>optional:</i>		<i>Lundahl LL1538*</i>		
1	TRX2	Haufe RK494/3*		
<i>optional:</i>		<i>Lndahl LL1517*</i>		

\* not included in any kit