

JENSAMP-51X

circuit by Darius Kubarth / Kubi

rev03 Parts-List

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

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

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Diodes					
Quantity	Position	Value	Type	Package	Incl. In
3	DP1	1N4148		D035	Parts Kit
	DREL1				
	DREL2				
2	D1	1N4004		D041	Parts Kit
	D2				
2	LED1	White / Blue		3mm	Basic Kit
	LED2				

Transistors					
Quantity	Position	Value	Type	Package	Incl. In
1	Q1	BC109		TO18	Parts Kit
1	Q2	ASY26	Germanium	TO39	Basic Kit
<i>optional:</i>		BC560		TO92	
4	Q3	BC140		TO39	Parts Kit
	Q4				
	Q5				
	Q6				
1	QP1	BC550		TO92	Basic Kit

Mechanical Parts / Switchs / Misc.					
Quantity	Position	Value	Type	Package	Incl. In
1		PCB	rev03	GDIY51X REQUIRED	Basic Kit
1		L-Bracket			Basic Kit
1		Front Panel			Basic Kit
4		Screws		3mm	Basic Kit
4		Lock Washers		3mm	Basic Kit
1	S1	Grayhill Series71	1x12	71ADF30-01-1-AJS	Basic Kit
3	S2	Toggle Switch	SPDT		Basic Kit
	S3				
	S4				
1	S5	Toggle Switch	DPDT		Basic Kit
2	REL1	Relay	TQ2-24V	DPDT (2 Form C)	Parts Kit
	REL2				
4	Q3	Heatsink		TO39	Basic Kit
	Q4				
	Q5				
	Q6				
2		LED holders		3mm	Basic Kit
1	CON1	PC Mount Jack		NRJ6HF	Basic Kit
1	CON1	Plastic Nut		NRJ-NUT-B	Basic Kit
1	TRX1	Haufe ST 8456			
<i>optional:</i>		Lundahl LL1538			
1	TRX2	Haufe RK240			
<i>optional:</i>		Lndahl LL1517			