

Bill Of Materials

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Design: TRIODE OR TETRODE AMP DESIGN. LOGIC BOARD

Doc. no.: AMATEUR RADIO

Revision: 5a

Author: F1FRV@SFR.FR

Modified: 10/09/17

QTY	PART-REFS	VALUE	UZ	PACKAGE
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Resistors				

5	R1,R3,R4,R11,R13	2.2k		2 W
1	R2	68k		0.25 W
3	R5-R7	2.2k		0.25 W
1	R8	1.5M		0.25 W
2	R9,R10	1k		1 W
1	R12	100k		0.25 W
2	R14,R15	5.6M		0.25 W
Capacitors				

1	C1	10nF 50V OR 200V		PITCH 5.08 OR 7.52
2	C2,C5	220uF 35V		PITCH 2.54
6	C3,C4,C6-C9	1uF 35V		PITCH 2.54
7	C10-C16	10nF 50V		PITCH 2.54 OR 5.08
Integrated Circuits				

1	U1	7812		TO220
Transistors				

7	Q1-Q7	BS170		TO92
1	Q8	ZVN4206		E-LINE
2	Q9,Q10	IRF200B211		TO220
Diodes				

1	D1	1N4007		DO41
6	D2-D7	1N4148		DO35
Miscellaneous				

1	DZ1	BZX79C9V1	9V1	DO35
1	DZ2 (OPTIONAL)	BZX79C5V1	5V1	DO35
2	DZ3,DZ4	BZX85C20	20V	DO41
6	DZ5-DZ10	BZX79C51	51V	DO41
1	J1	HE10-20		MALE + FEMALE IDC
12	J2-J13	TERMINAL BLOCK 2 POLES		PITCH 5.08
1	RL1	RELAY OMRON G2RL-1-E		OR EQUIVALENT 24 V DC
3	RL2-RL4	RELAY DIL16 2RT		COIL 24 V DC
2	RV1,RV4	1M		1 TURN
2	RV2,RV3	500k		1 TURN
1	FOR U1	HEATSINK		13°C/W
1	FOR U1	SCREW 6-32		LENGTH 6.35