



# **BILL OF MATERIALS**

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Design: TETRODE LINEAR AMP DESIGN SUITE

Doc. no.: GRID 1 SUPPLY & DETECTION

Revision: 5

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Modified: 17/08/14

QTY	PART-REFS	VALUE	PACKAGE
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<b>Resistors</b>			
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1	R1	4.7k	RES 10W
2	R2,R5	470k	RES 0.25W
1	R3	2.2k	RES 2W
1	R4	8.2k	RES 0.25W
<b>Capacitors</b>			
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1	C1	470uF	250 V
1	C2	10nF	1 kV
1	C3	10nF	CERAMIC 50V
<b>Integrated Circuits</b>			
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1	U1	TL431	TO92
<b>Transistors</b>			
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1	Q1	ZVP2106	TO92
<b>Diodes</b>			
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4	D1,D2,D3,D4	1N4007	DO41
<b>Diodes Zener</b>			
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1	DZ1	BZX79C24	DO35
1	DZ2	BZX79C51	DO35
3	DZ3,DZ4,DZ5	BZX85C27	DO41
1	DZ6	BZX79C12	DO35
3	DZ7,DZ8,DZ9	BZX85C51	DO41
<b>Variable Resistors</b>			
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1	RV1	100k	POT 1 TURN
<b>Pins and connectors</b>			
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7	J1 -J5, J9,J10		CONN-VIS2
3	J6,J7,J8	JUMPER	CONN-SIL2 MALE + JUMPER
<b>Miscellaneous</b>			
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1	FU1	0.5A FAST	FUS 5X20
1	RL1	DIP RELAY-1A 24V	PRMA-1A 24V DC
1	RL2	RELAY DIL16 2RT 24V DC	
1	L3	1H	MET

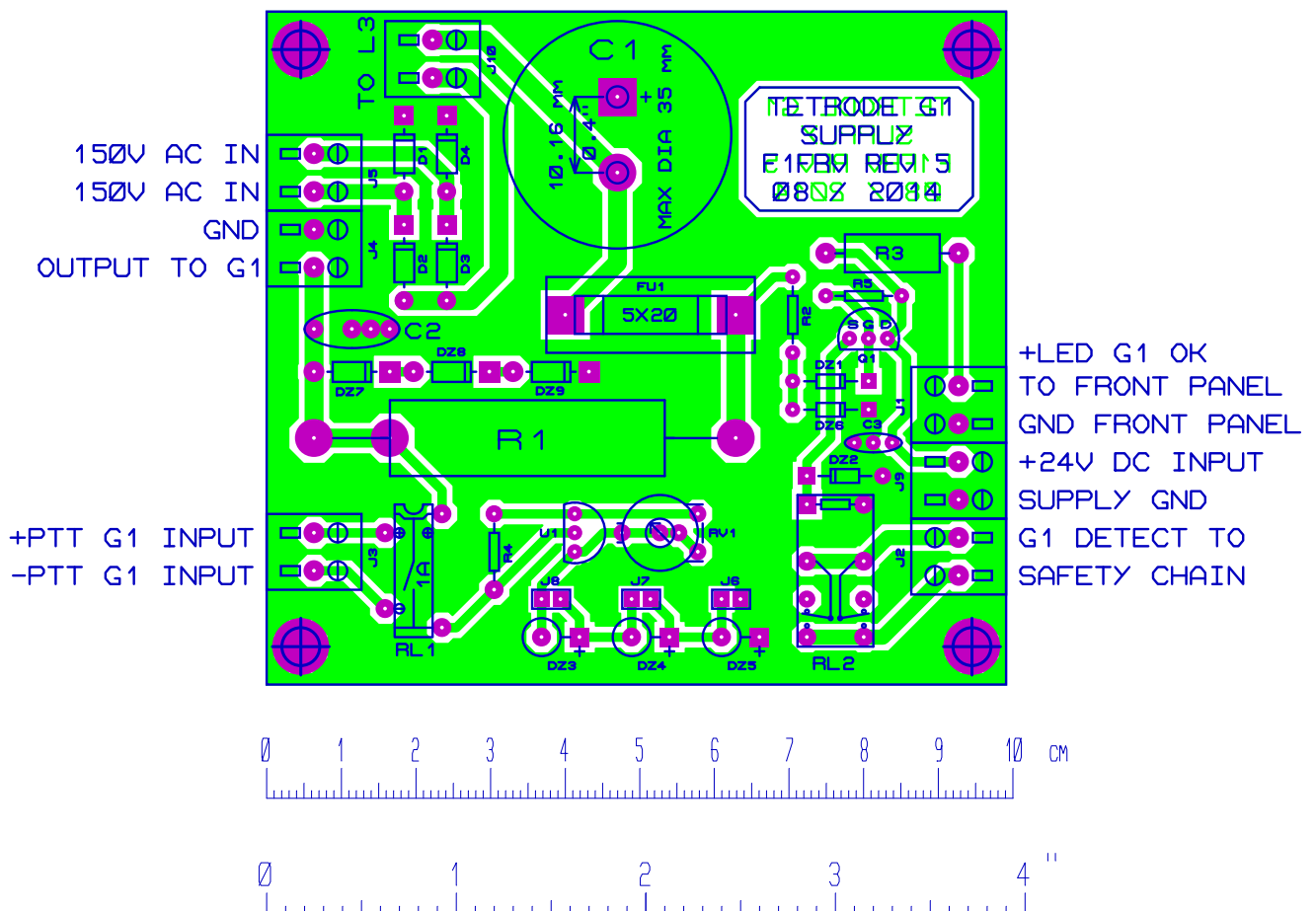
# TETRODE LINEAR AMPLIFIER DESIGN SUITE

## GRID 1 SUPPLY AND DETECTION

DATE: 08/2014 REV: 5  
BY: F1FRV@SFR.FR  
DOC N°: AMATEUR RADIO

DIMENSIONS DU CIRCUIT: 90 x 99 mm PCB DIMENSIONS: 3.55" x 3.9"  
CIRCUIT SIMPLE FACE / PCB SINGLE SIDE  
PERCAGE 95 TROUS / DRILLING 95 HOLES  
FIXATIONS: 4 X M3 SCREWS. AXYS 80 x 90 mm

CUT UNUSED PINS OF DIL RELAY



VG1 PTT OFF: 153 V  
VG1 PTT ON WITH J15+J16+J17: 2.5-32.5 V  
VG1 PTT ON WITH J15+ J16: 29.5-59.5 V  
VG1 PTT ON WITH J15: 56.5-86.5 V  
VG1 PTT ON WITHOUT J15, J16, J17: 83.5-113 V

ALL THESE TYPES OF VARIABLE RESISTORS CAN BE USED

