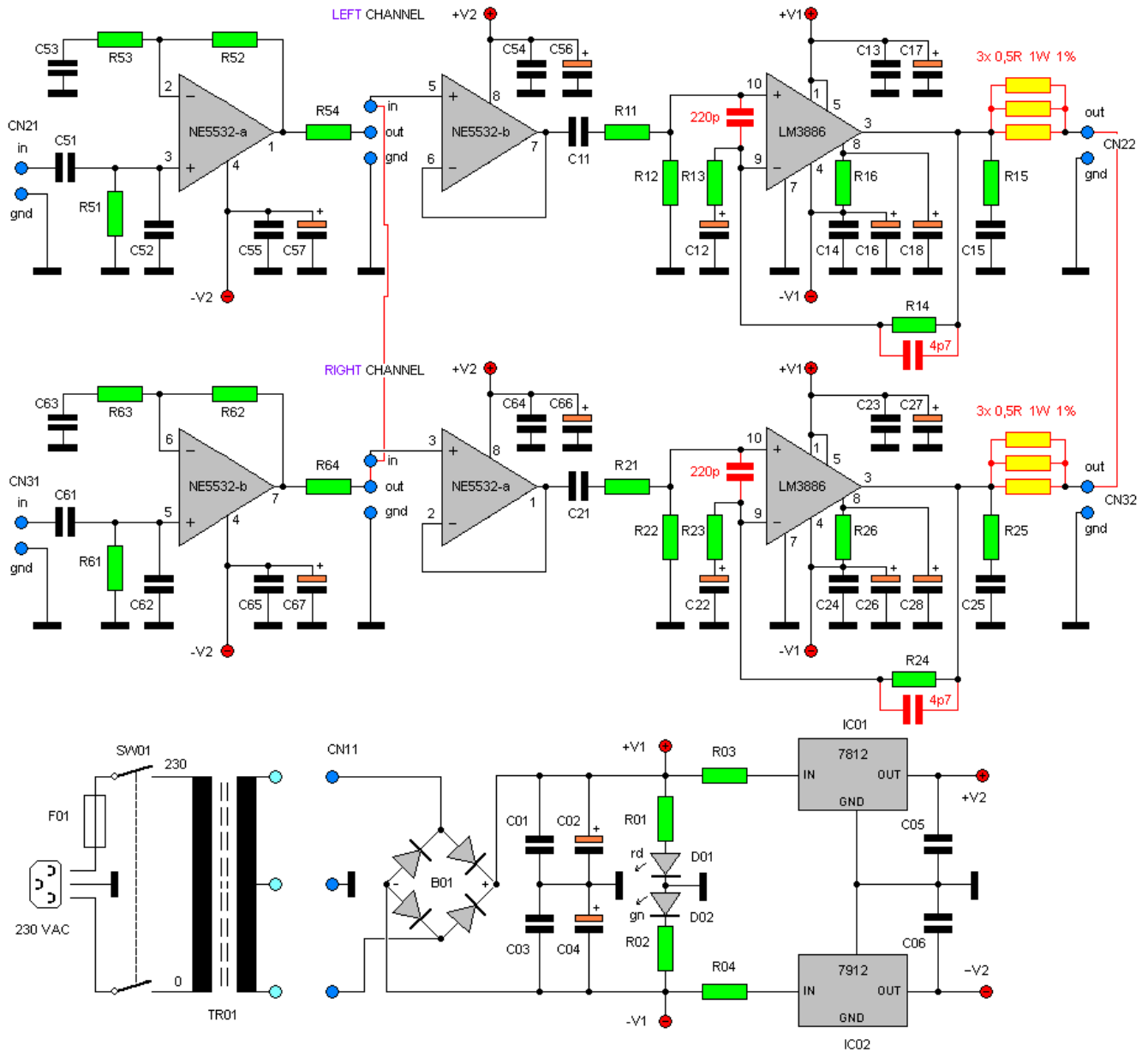


# Stereo non-inverting Gainclone, LM3886 based

(schematics)



## (parts list)

L	R		
R11	R21	1K $\Omega$	1/8W
R12	R22	22K $\Omega$	1/8W
R13	R23	1K $\Omega$	1/8W
R14	R24	20K $\Omega$	1/8W
R15	R25	10 $\Omega$	1 W
R16	R26	10K $\Omega$	1/8W
R51	R61	22K $\Omega$	1/8W
R52	R62	22K $\Omega$	1/8W
R53	R63	10K $\Omega$	1/8W
R54	R64	1K $\Omega$	1/8W
R01	R02	22K $\Omega$	1/8W
R03	R04	470 $\Omega$	1 W

L	R			
C51	C61	2,2 $\mu$ F	63V	bi-polar
C52	C62	100pF	100V	ceramic 5mm
C53	C63	10 $\mu$ F	50V	5mm
C54	C64	100nF	100V	MKT 5mm
C55	C65	100nF	100V	MKT 5mm
C56	C66	100 $\mu$ F	25V	5mm
C57	C67	100 $\mu$ F	25V	5mm
C11	C21	2,2 $\mu$ F	63V	bi-polar
C12	C22	22 $\mu$ F	50V	5mm
C13	C23	100nF	100V	MKT 5mm
C14	C24	100nF	100V	MKT 5mm
C15	C25	100nF	100V	MKT 5mm
C16	C26	220 $\mu$ F	63V	5mm
C17	C27	220 $\mu$ F	63V	5mm
C18	C28	100 $\mu$ F	63V	5mm
C01	C03	100nF	100V	MKT 5mm
C02	C04	6800 $\mu$ F	63V	round 30 mm
C05	C06	100nF	100V	MKT 5mm

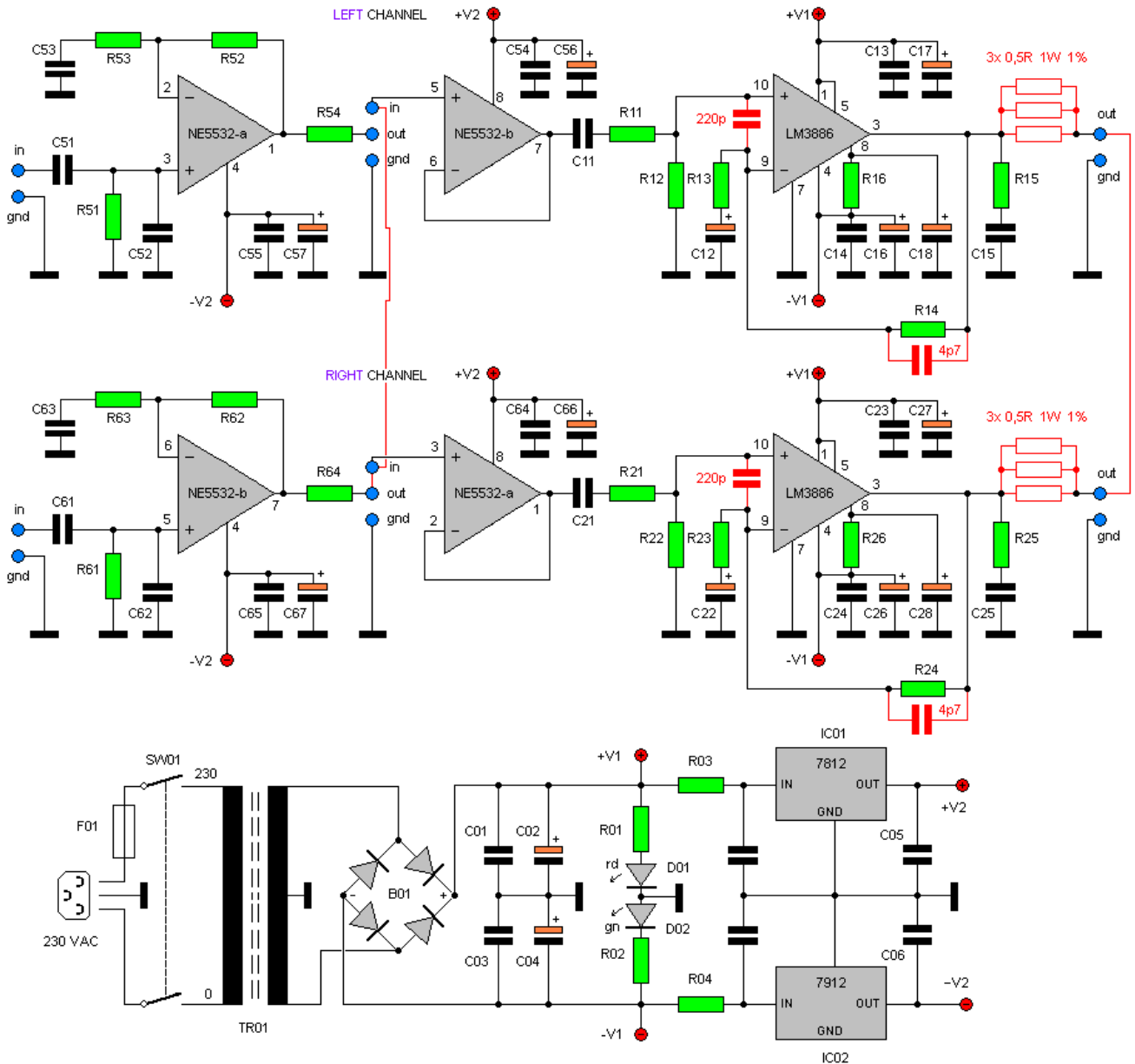
Power	
TR01	230V - 2x27V 250W
SW01	Mains switch
F01	Mains fuse
B01	B500-C5000
D01	LED red
D02	LED green
IC01	uA7812
IC02	uA7912

Misc.		
IC13	IC23	NE5532AN
IC14	IC24	LM3886TF

Conn strip 2 (4x)  
Conn strip 3 (1x)

# Stereo non-inverting Gainclone, LM3886 based

(modified parallel)



## (specs)

Output Power 68W x 2 (4Ω)  
 Operating voltage 28V - 0 - 28V  
 Operating type Class AB type amplifier  
 Input Impedance 22K  
 Output Impedance 4Ω - 8Ω

Part Number: LM	3886	T/TF	$V_{peak}$ at Load	34,03	Volts
$V_{cc}/V_{ee}$ (+/-)	38	Volts	$I_{peak}$ in Load	4,25	A
Abs. Max Voltage	42	Volts	1% THD Output @	72,38	Watts
Voltage Headroom	4	Volts	Gain (Not for BTL)	21	V/V
$R_L$ (load impedance)	8	W	Gain (Not for BTL)	26,45	dB
$R_f$ (feedback)	20	kW	Lower -3dB cutoff	7,95	Hz
$R_i$	1	kW	Input for 1% Output	1,6	$V_{RMS}$
$C_i$	22	mF	$R_M$ (Mute)	38	kW
$R_B$	1	kW	* $R_{SN}$ (Snubber)	2,7	W
* $R_{in}$	20	kW	* $C_{SN}$ (Snubber)	0,1	mF
* $C_{in}$	1	mF	Input Impedance	20	kW

# Stereo non-inverting Gainclone, LM3886 based

(layout) different versions

