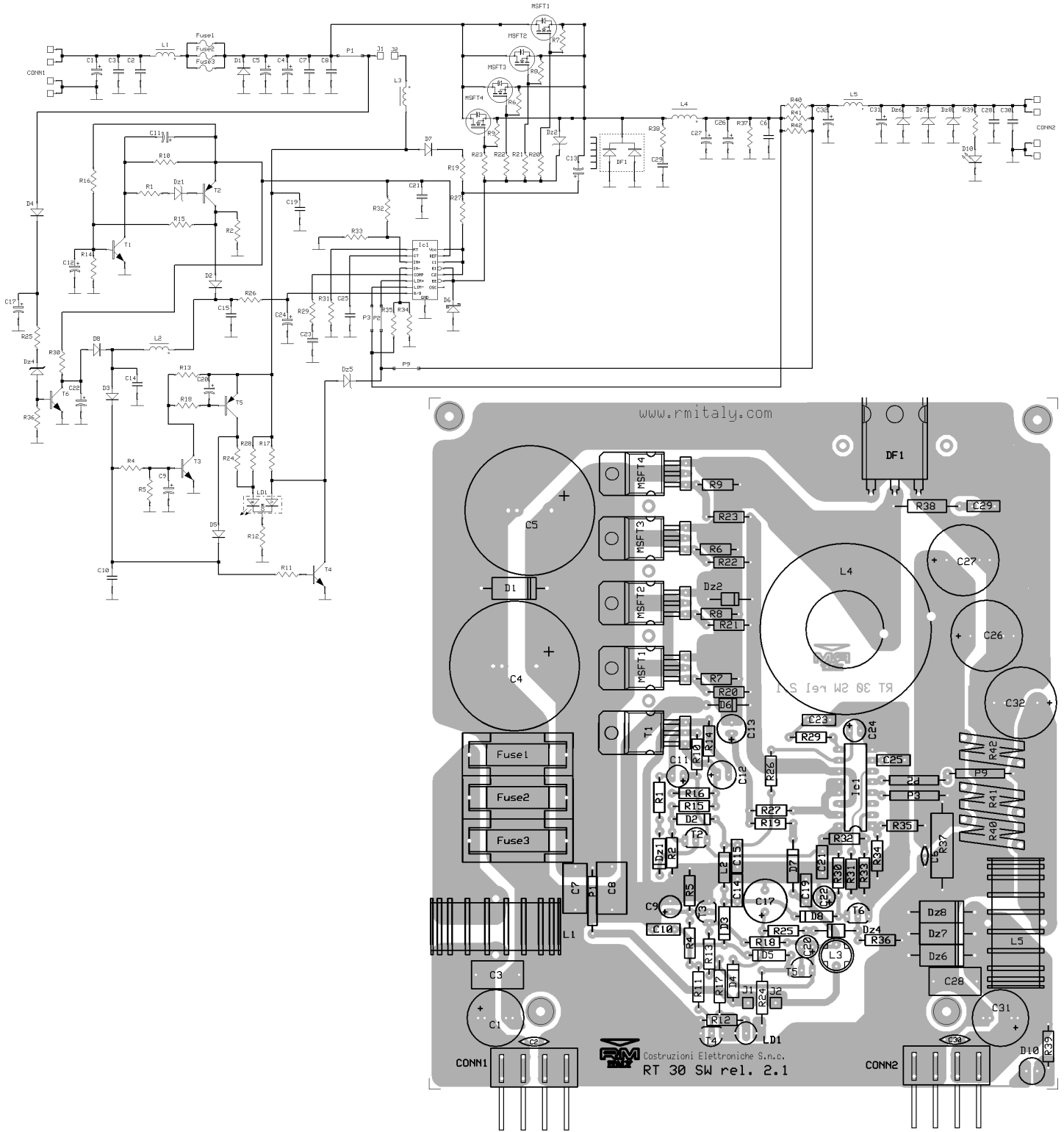


# Mod. RT 30 SW tension reducer

Schematic diagram

Version 2.10



## List of components

C 1 =	1000 $\mu$ F	35 V	105 °C	R 30 =	4,7 K $\Omega$	¼ W	
C 2 =	470 pF	50 V		R 31 =	8,2 K $\Omega$	¼ W	
C 3 =	220 nF	100 V		R 32 =	4,7 K $\Omega$	¼ W	
C 4 =	2200 $\mu$ F	35 V		R 33 =	4,7 K $\Omega$	¼ W	
C 6 =	220 nF	50 V	Multilayer	R 34 =	4,7 K $\Omega$	¼ W	
C 5 =	2200 $\mu$ F	35 V		R 35 =	20 K $\Omega$	¼ W	1%
C 7 =	100 nF	100 V		R 36 =	8,2 K $\Omega$	¼ W	
C 8 =	470 nF	100 V		R 37 =	150 $\Omega$	2 W	
C 9 =	10 $\mu$ F	25 V		R 38 =	47 $\Omega$	1 W	
C 10 =	100 nF	63 V		R 39 =	1,0 K $\Omega$	¼ W	
C 11 =	4,7 $\mu$ F	25 V		R 40 =	Resistive wire $\phi$ 2,0mm would on $\phi$ 10mm		
C 12 =	47 $\mu$ F	50V		R 41 =	Resistive wire $\phi$ 2,0mm would on $\phi$ 10mm		
C 13 =	47 $\mu$ F	50 V		R 42 =	Resistive wire $\phi$ 2,0mm would on $\phi$ 10mm		
C 14 =	100 nF	63 V		D 1 =	1N 5400		
C 15 =	100 nF	63 V		D 2 =	1N4148		
C 17 =	100 $\mu$ F	35 V		D 3 =	1N4148		
C 19 =	100 nF	63 V		D 4 =	1N4148		
C 20 =	10 $\mu$ F	25 V		D 5 =	1N4148		
C 21 =	100 nF	63 V		D 6 =	BAT49		
C 22 =	4,7 $\mu$ F	25 V		D 7 =	1N4007		
C 23 =	220 nF	63 V		D 8 =	1N4148		
C 24 =	10 $\mu$ F	25 V		D 10 =	GreenLed		
C 25 =	4,7 nF	63 V		DF 1 =	MBR 3045		
C 26 =	2200 $\mu$ F	25 V	105 °C	DZ 1 =	Zener 3,3V ½W		
C 27 =	2200 $\mu$ F	25 V	105 °C	DZ 2 =	Zener 15V 1W		
C 28 =	220 nF	100 V		DZ 4 =	Zener 18V ½W		
C 29 =	33 nF	100 V		DZ 6 =	Zener 18V 5W		
C 30 =	470 pF	50 V		DZ 7 =	Zener 18V 5W		
C 31 =	1000 $\mu$ F	35 V	105 °C	DZ 8 =	Zener 18V 5W		
C 32 =	2200 $\mu$ F	25 V	105 °C	T 1 =	TIP 29C		
R 1 =	22 K $\Omega$	¼ W		T 2 =	BC557		
R 2 =	4,7 K $\Omega$	¼ W		T 3 =	BC547		
R 4 =	10 K $\Omega$	¼ W		T 4 =	BC547		
R 5 =	6,8 K $\Omega$	¼ W		T 5 =	BC557		
R 6 =	1,0 K $\Omega$	¼ W		T 6 =	BC547		
R 7 =	1,0 K $\Omega$	¼ W		Fuse 1 = Fuse 2 = Fuse 3 = Fuse 6.3 A			
R 8 =	1,0 K $\Omega$	¼ W		Ic 1 =	UC 2524 AN		
R 9 =	1,0 K $\Omega$	¼ W		L 1 =	ANRA 521		
R 10 =	2,7 K $\Omega$	¼ W		L 2 =	10 $\mu$ H		
R 11 =	10 K $\Omega$	¼ W		L 3 =	1,0mH		
R 12 =	180 $\Omega$	¼ W		L 4 =	ANRA 565		
R 13 =	4,7 K $\Omega$	¼ W		L 5 =	ANRA 521		
R 14 =	3,3 K $\Omega$	¼ W		LD 1 =	Bi-colourLed		
R 15 =	330 K $\Omega$	¼ W		MSFT 1 =	IRFZ 34		
R 16 =	39 K $\Omega$	¼ W		MSFT 2 =	IRFZ 34		
R 17 =	2,2 K $\Omega$	½ W		MSFT 3 =	IRFZ 34		
R 18 =	22 K $\Omega$	¼ W		MSFT 4 =	IRFZ 34		
R 19 =	10 $\Omega$	¼ W		P 1 = P 3 = P 9 = 0 $\Omega$	Wirebridges		
R 20 =	100 $\Omega$	¼ W					
R 21 =	100 $\Omega$	¼ W					
R 22 =	100 $\Omega$	¼ W					
R 23 =	100 $\Omega$	¼ W					
R 24 =	2,2 K $\Omega$	½ W					
R 25 =	8,2 K $\Omega$	¼ W					
R 26 =	4,7 K $\Omega$	¼ W					
R 27 =	47 $\Omega$	¼ W					
R 29 =	1,0 K $\Omega$	¼ W					