RM Costruzioni Elettroniche
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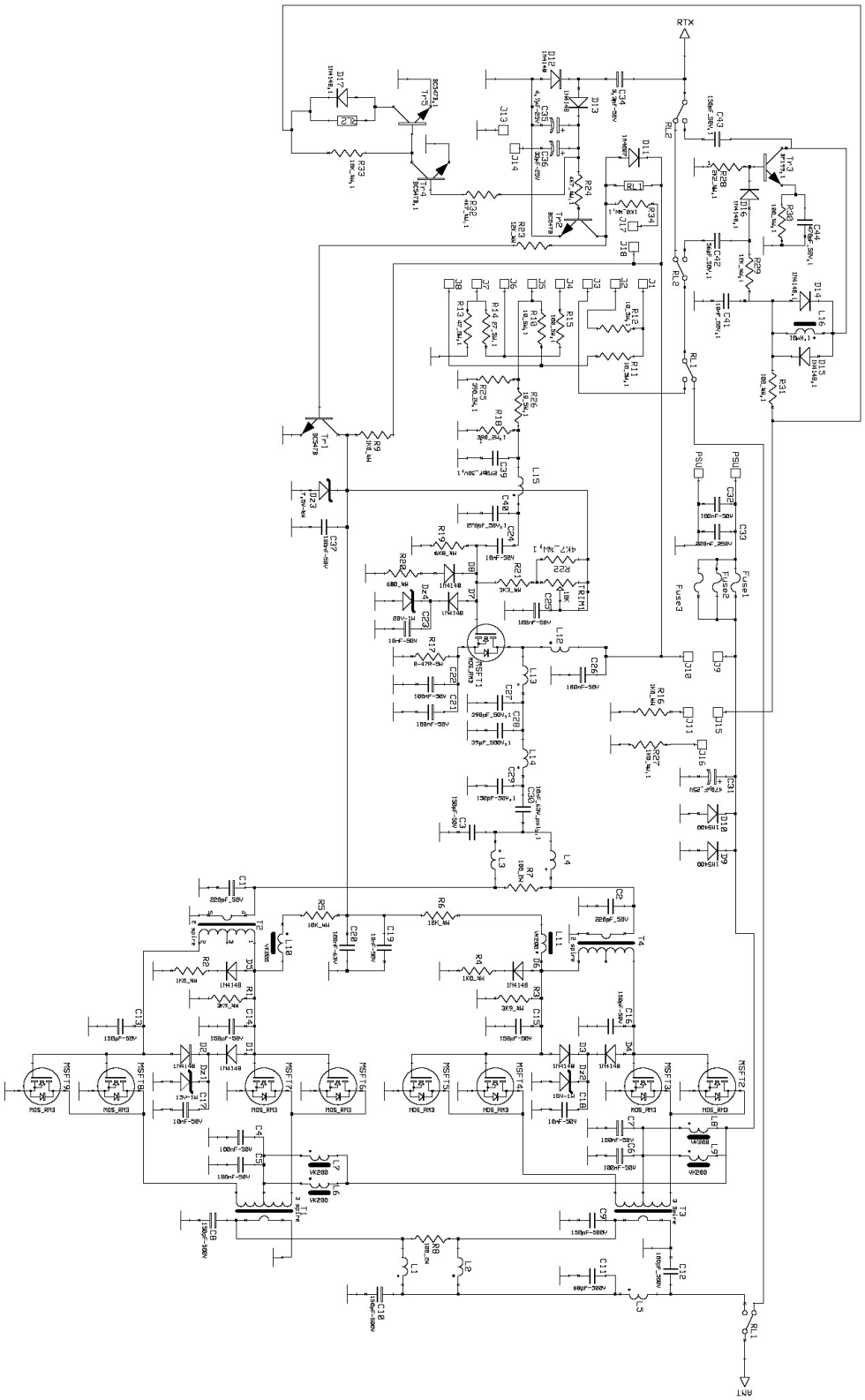
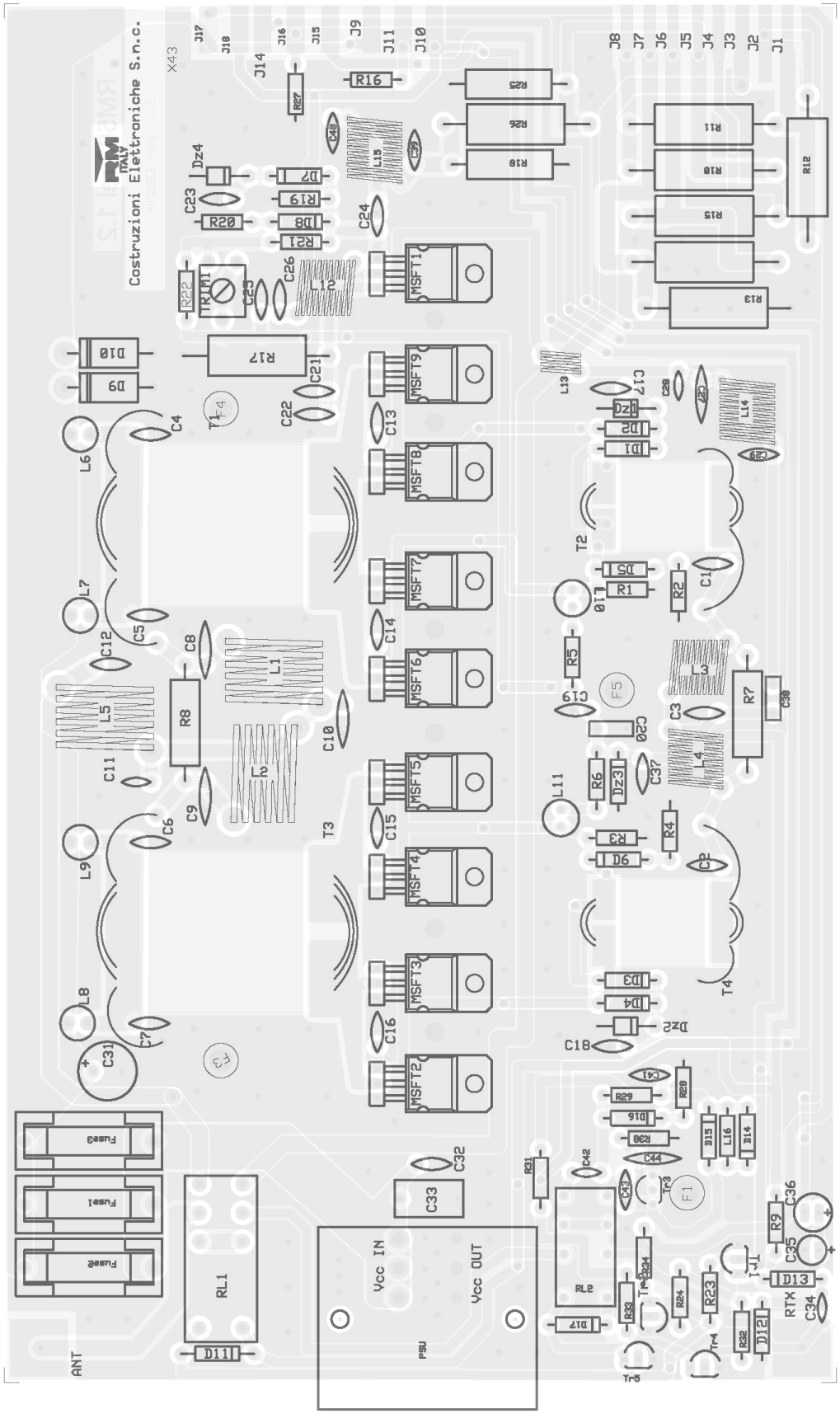
Mod. KL 503 linear amplifier

Schematic diagram

Version 1.2





CAM350 V 10.0 : Fri Sep 04 14:37:53 2009 - (Untitled) : kl503_mainhier_00.gbr

List of components

C 1	= 220 pF	50 V	NP0
C 2	= 220 pF	50 V	NP0
C 3	= 150 pF	50 V	NP0
C 4	= 100 nF	50 V	
C 5	= 100 nF	50 V	
C 6	= 100 nF	50 V	
C 7	= 100 nF	50 V	
C 8	= 150 pF	500 V	NP0
C 9	= 150 pF	500 V	NP0
C 10	= 150 pF	500 V	NP0
C 11	= 68 pF	500 V	NP0
C 12	= 100 pF	500 V	NP0
C 13	= 150 pF	50 V	NP0
C 14	= 150 pF	50 V	NP0
C 15	= 150 pF	50 V	NP0
C 16	= 150 pF	50 V	NP0
C 17	= 10 nF	50 V	J
C 18	= 10 nF	50 V	J
C 19	= 10 nF	50 V	J
C 20	= 100 nF	63 V	
C 21	= 100 nF	50 V	
C 22	= 100 nF	50 V	
C 23	= 10 nF	50 V	J
C 24	= 10 nF	50 V	J
C 25	= 100 nF	50 V	J
C 26	= 100 nF	50 V	J
C 27	= 390 pF	50 V	NP0
C 28	= 39 pF	500 V	
C 29	= 150 pF	50 V	NP0
C 30	= 10 nF	50 V	J
C 31	= 470 µF	25 V	
C 32	= 100 nF	50 V	J
C 33	= 220 nF	100 V	Polyester
C 34	= 3,3 pF	50 V	NP0
C 35	= 4,7 µF	25 V	
C 36	= 33 µF	25 V	
C 37	= 100 nF	50 V	J
C 39	= 270 pF	50 V	NP0
C 40	= 270 pF	50 V	NP0
C 41	= 10 nF	50 V	J
C 42	= 56 pF	50 V	NP0
C 43	= 150 pF	50 V	NP0
C 44	= 470 pF	50 V	NP0
R 1	= 3,9 KΩ	¼W	
R 2	= 1,0 KΩ	¼W	
R 3	= 3,9 KΩ	¼W	
R 4	= 1,0 KΩ	¼W	
R 5	= 10 KΩ	¼W	
R 6	= 10 KΩ	¼W	
R 7	= 100 Ω	2W	
R 8	= 100 Ω	2W	
R 9	= 1,0 KΩ	¼W	
R 10	= 10 Ω	5W	
R 11	= 10 Ω	5W	
R 12	= 10 Ω	5W	
R 13	= 27 Ω	5W	
R 14	= 47 Ω	5W	
R 15	= 100 Ω	5W	
R 16	= 1,0 KΩ	¼W	
R 17	= 0.47 Ω	5W	
R 18	= 390 Ω	2W	
R 19	= 6,8 KΩ	¼W	
R 20	= 680 Ω	¼W	
R 21	= 3,3 KΩ	¼W	
R 22	= 5,6 KΩ	¼W	
R 23	= 12 KΩ	¼W	
R 24	= 4,7 KΩ	¼W	
R 25	= 390 Ω	2W	
R 26	= 18 Ω	5W	
R 27	= 1,0 KΩ	¼W	
R 28	= 2,2 KΩ	¼W	
R 29	= 12 KΩ	¼W	
R 30	= 100 Ω	¼W	
R 31	= 100 Ω	¼W	
R 32	= 4,7 KΩ	¼W	
R 33	= 10 KΩ	¼W	
R 34	= 1,0 KΩ	¼W	

D 1 = D 2 = D 3 = D 4 = D 5 =D 6 = D 7 = D8 =
D 12 = D 13 = D 14 = D 15 = D 16 = D 17 =1N4148
D 9 = D 10 = 1N5408
D 11 = 1N4007
D z1 = D z1 = 15V 1W
D z3 = 7V5 1W
D z4 = 20V 1W
MSFT2 = MSFT3 = MSFT 4 = MSFT 5 = MSFT 6 =
MSFT 7 = MSFT 8 = MSFT 9 = RM3
MSFT1 = RM4
Tr 3 = BF199
Tr 1= Tr2 = Tr 4 = Tr5 = BC547B
L 10 = L 11 = WK 200 1 wire vertical
L 6 = L 7 = L 8 = L 9 = VK 200 2 wire vertical

List of components

L_{16} = 10 µH
L_1 = L_2 = 7sp_f1.5_d13_p11 ANRA 856/2
L_5 = 5sp_f1.5_d11_p8 ANRA 856
L_3 = L_4 = L_{12} = 9sp_f0.8_d8_p10 ANRA 309/1
L_{13} = 3sp_f0.8_d5_p3 ANRA 309/2
L_{14} = 7sp_f0.8_d8_p10 ANRA 309/4
L_{15} = 6sp_f0.8_d8_p10 ANRA 309/3
Rl_1 = Relè 12 V 41.52.9.012
Rl_2 = Relè 12 V 30.22.7.012
Fuse = 3 x 10 A Fast
T_2 = T_4 = Anra 42 Input transformator 16cm filo blu
T_1 = T_3 = Anra 355B Output transformer 36.5cm filo teflon
PSU Conn = PC 16/2-GF-10,16