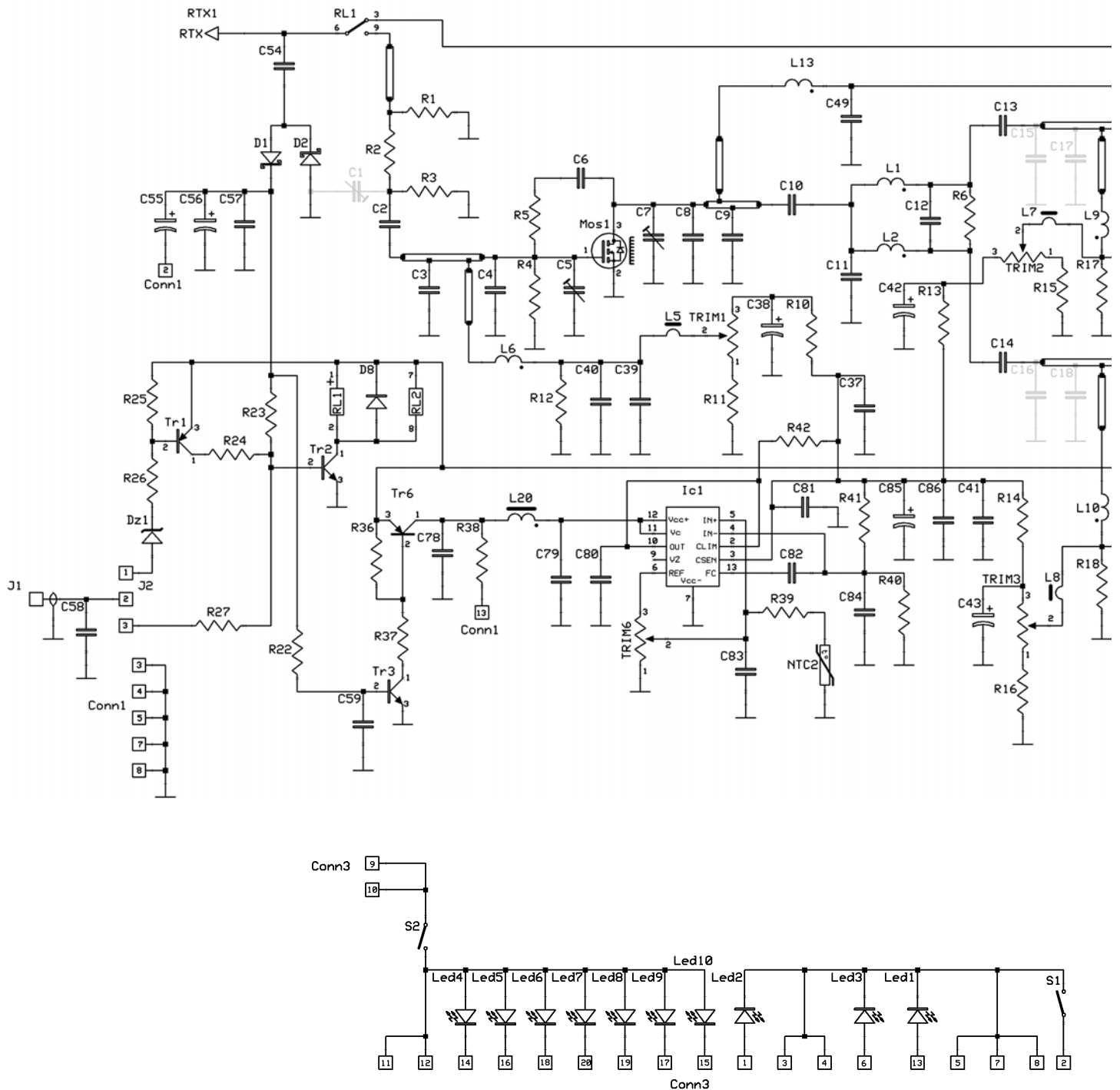


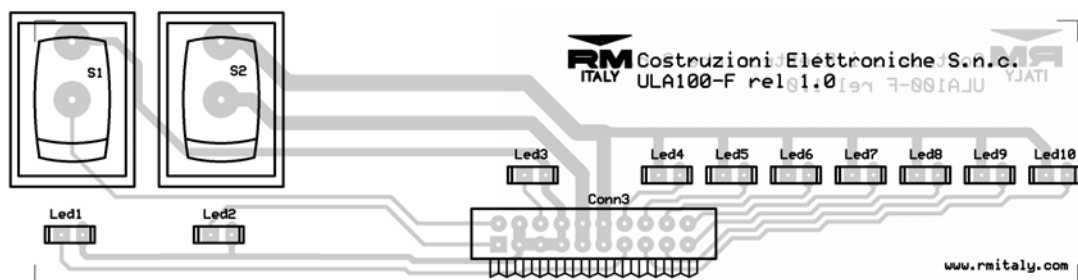
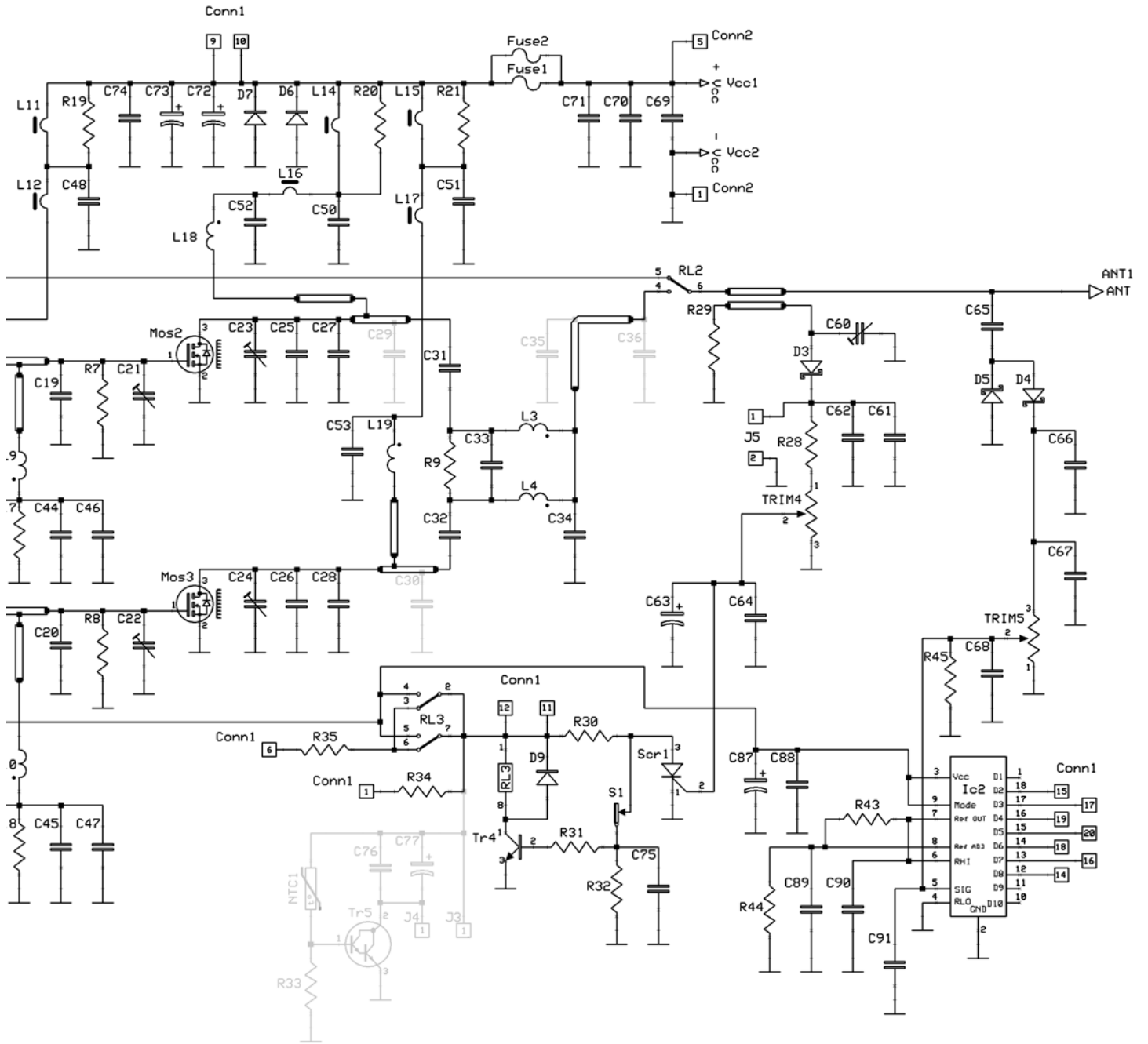


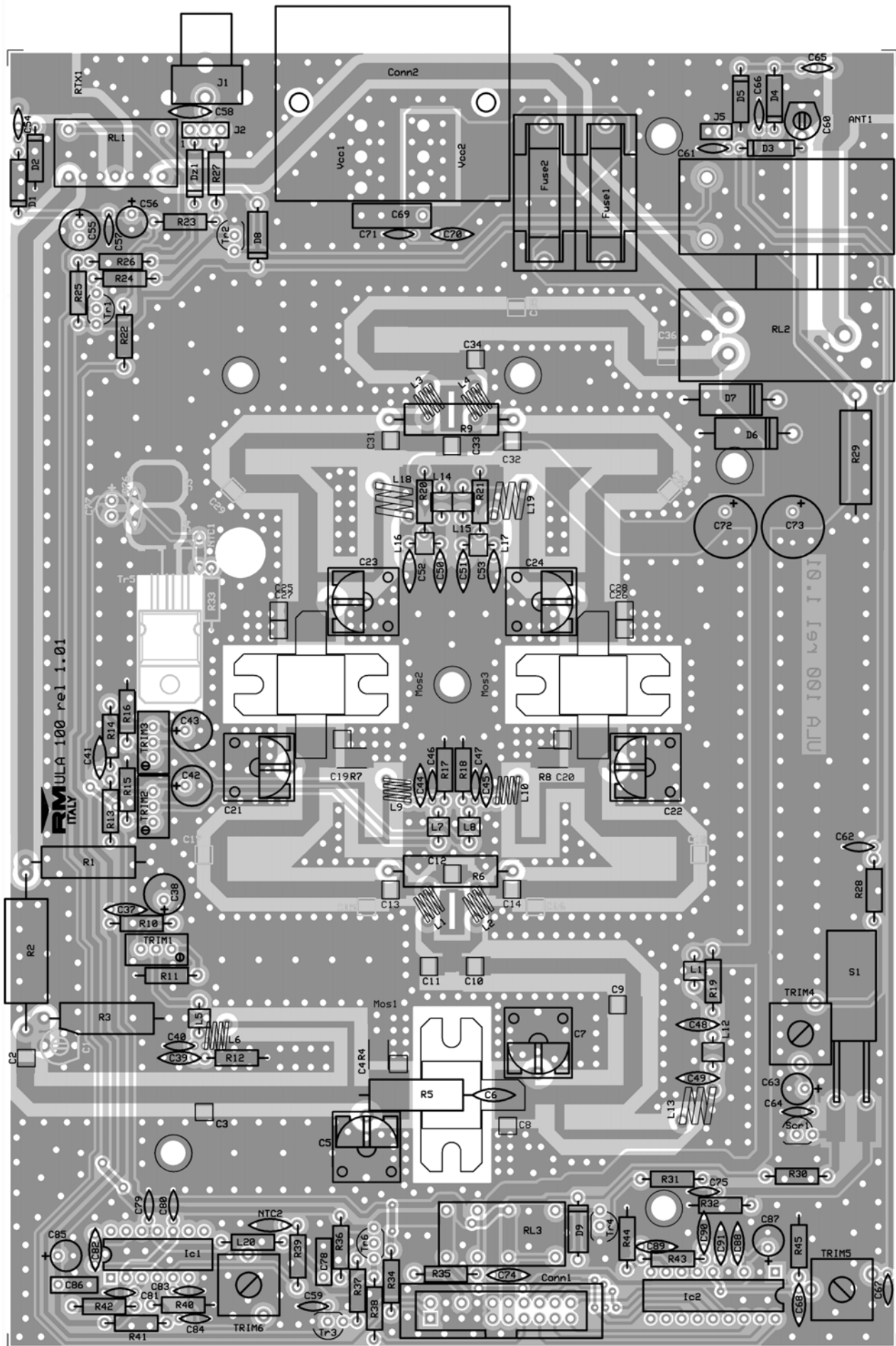
Mod. ULA 100-1 UHF linear ampl.

Schematic diagram

Version 1.01







List of components main board

C 1	= non presente		
C 2	= 47 pF	SQCB7M	SMD
C 3	= 2,0 pF	SQCB7M	SMD
C 4	= 33 pF	SQCB7M	SMD
C 5	= 189-506-5		
C 6	= 1,0 nF	500 V	
C 7	= 189-506-5		
C 8	= 33 pF	SQCB7M	SMD
C 9	= 2,0 pF	SQCB7M	SMD
C 10	= 47 pF	SQCB7M	SMD
C 11	= 5,6 pF	SQCB7M	SMD
C 12	= 2,0 pF	SQCB7M	SMD
C 13	= 82 pF	SQCB7M	SMD
C 14	= 82 pF	SQCB7M	SMD
C 15	= non presente		
C 16	= non presente		
C 17	= non presente		
C 18	= non presente		
C 19	= 18 pF	SQCB7M	SMD
C 20	= 18 pF	SQCB7M	SMD
C 21	= 189-506-5		
C 22	= 189-506-5		
C 23	= 189-506-5		
C 24	= 189-506-5		
C 25	= 10 pF	SQCB7M	SMD
C 26	= 10 pF	SQCB7M	SMD
C 27	= 18pF	SQCB7M	SMD
C 28	= 18 pF	SQCB7M	SMD
C 29	= non presente		
C 30	= non presente		
C 31	= 100 pF	SQCB7M	SMD
C 32	= 100 pF	SQCB7M	SMD
C 33	= 3,3 pF	SQCB7M	SMD
C 34	= 2,0 pF	SQCB7M	SMD
C 35	= non presente		
C 36	= non presente		
C 37	= 10 nF	50 V	
C 38	= 100 µF	25 V	
C 39	= 100 pF	NP0 50 V	
C 40	= 1,0 nF	50 V	
C 41	= 10 nF	50 V	
C 42	= 10 µF	25 V	
C 43	= 10 µF	25 V	
C 44	= 100 pF	NP0 50 V	
C 45	= 100 pF	NP0 50 V	
C 46	= 1,0 nF	50 V	
C 47	= 1,0 nF	50 V	
C 48	= 1,0 nF	500 V	
C 49	= 100 pF	NP0 500 V	
C 50	= 1,0 nF	500 V	
C 51	= 1,0 nF	500 V	
C 52	= 100 pF	NP0 500 V	
C 53	= 100 pF	NP0 500 V	
C 54	= 1,0 pF	NP0 50 V	
C 55	= 33 µF	25 V	
C 56	= 4,7 µF	25 V	
C 57	= 1,0 nF	50 V	
C 58	= 10 nF	50 V	
C 59	= 1,0 nF	50 V	
C 60	= 3 - 10 pF	Trimmer 50 V NP0 Bianco	
C 61	= 1,0 nF	50 V	
C 62	= 1,0 nF	50 V	
C 63	= 10 µF	25 V	
C 64	= 1,0 nF	50 V	
C 65	= 1,0 pF	NP0 50 V	
C 66	= 1,0 nF	50 V	
C 67	= 1,0 nF	50 V	
C 68	= 10 nF	50 V	
C 69	= 470 nF	100 V	Polyester
C 70	= 100 nF	50 V	
C 71	= 1,0 nF	50 V	
C 72	= 1000 µF	25 V	
C 73	= 1000 µF	25 V	
C 74	= 100 nF	50 V	
C 75	= 1,0 nF	50 V	
C 76	= non presente		
C 77	= non presente		
C 78	= 100 nF	63 V	Polyester
C 79	= 1,0 nF	50 V	
C 80	= 1,0 nF	50 V	
C 81	= 1,0 nF	50 V	
C 82	= 100 pF	NP0 50 V	
C 83	= 1,0 nF	50 V	
C 84	= 1,0 nF	50 V	
C 85	= 10 µF	25 V	
C 86	= 100 nF	63 V	Polyester
C 87	= 22 µF	25 V	
C 88	= 10 nF	50 V	
C 89	= 10 nF	50 V	
C 90	= 10 nF	50 V	
C 91	= 10 nF	50 V	
R 1	= 180 Ω	2 W	
R 2	= 33 Ω	5 W	
R 3	= 180 Ω	2 W	
R 4	= 470Ω	1 W	SMD
R 5	= 180 Ω	2 W	
R 6	= 100Ω	2 W	

R₇ = 470 Ω 1 W SMD
 R₈ = 470 Ω 1 W SMD
 R₉ = 100 Ω 5 W
 R₁₀ = 560 Ω ¼ W
 R₁₁ = 470 Ω ¼ W
 R₁₂ = 1,0 KΩ ¼ W
 R₁₃ = 560 Ω ¼ W
 R₁₄ = 560 Ω ¼ W
 R₁₅ = 470 Ω ¼ W
 R₁₆ = 470 Ω ¼ W
 R₁₇ = 1,0 KΩ ¼ W
 R₁₈ = 1,0 KΩ ¼ W
 R₁₉ = 10 Ω ¼ W
 R₂₀ = 10 Ω ¼ W
 R₂₁ = 10 Ω ¼ W
 R₂₂ = 10 KΩ ¼ W
 R₂₃ = 2,2 KΩ ¼ W
 R₂₄ = 4,7 KΩ ¼ W
 R₂₅ = 2,2 KΩ ¼ W
 R₂₆ = 10 KΩ ¼ W
 R₂₇ = 2,2 KΩ ¼ W
 R₂₈ = 2,2 KΩ ¼ W
 R₂₉ = 27 Ω 2 W
 R₃₀ = 1,0 KΩ ¼ W
 R₃₁ = 10 KΩ ¼ W
 R₃₂ = 4,7 KΩ ¼ W
 R₃₃ = non presente
 R₃₄ = 1,0 KΩ ¼ W
 R₃₅ = 1,0 KΩ ¼ W
 R₃₆ = 1,0 KΩ ¼ W
 R₃₇ = 4,7 KΩ ¼ W
 R₃₈ = 1,0 KΩ ¼ W
 R₃₉ = 8,2 KΩ ¼ W
 R₄₀ = 10 KΩ ¼ W
 R₄₁ = 2,2 KΩ ¼ W
 R₄₂ = 10 Ω ¼ W
 R₄₃ = 1,0 KΩ ¼ W
 R₄₄ = 8,2 KΩ ¼ W
 R₄₅ = 4,7 KΩ ¼ W
 TRIM₁ = Trimmer Vert Multigiri 470 Ω
 TRIM₂ = Trimmer Vert Multigiri 470 Ω
 TRIM₃ = Trimmer Vert Multigiri 470 Ω
 TRIM₄ = Trimmer 10 KΩ PT10LV
 TRIM₅ = Trimmer 10 KΩ PT10LV
 TRIM₆ = Trimmer 10 KΩ PT10LV
 NTC₁ = non presente
 NTC₂ = 10 KΩ
 D₁ - D₅ = 1N5711
 D₆ = D₇ = 1N5400

D₈ = D₉ = 1N4007
 DZ₁ = Zener 5,1 V ½ W
 Tr₁ = BC 557B
 Tr₂ = BC 337-25
 Tr₃ = BC 547B
 Tr₄ = BC 547B
 Tr₅ = non presente
 Tr₆ = BC 327-25
 Scr₁ = P 0102
 Mos₁ = Mos₂ = Mos₃ = RD60HUF1
 Ic₁ = LM 723C
 Ic₂ = LM 3915
 L₁ - L₄ = 3 coil wire ø 1,0mm on ø 2.75mm step 3mm
 L₅ = ferrite
 L₆ = 7 coil wire ø 0,5mm on ø 3mm step 3,5mm
 L₇ - L₈ = ferrite
 L₉ - L₁₀ = 7 coil wire ø 0,5mm on ø 3mm step 3,5mm
 L₁₁ - L₁₂ = ferrite
 L₁₃ = 5 coil wire ø 1,0mm on ø 4mm step 5mm
 L₁₄ - L₁₇ = ferrite
 L₁₈ = L₁₉ = 5 coil wire ø 1,0mm on ø 4mm step 5mm
 L₂₀ = 2,2 µH
 Rl₁ = RK1-12V
 Rl₂ = CX-120P
 Rl₂ = 30.22.7.012
 Fuse₁ = 12 A
 Fuse₂ = 12 A
 S₁ = 80°C
 Conn₁ = 20 poles connector
 Conn₂ = 2 poles 40A connector

List of components front board

Led₁ = TX Red led
 Led₂ = Lin ON Green Led
 Led₃ = Protection Red Led
 from Led₄ = to Led₁₀ = Watt-meter Green Leds
 S₁ = SSB delay ON/OFF
 S₂ = Lin ON/OFF
 Conn₃ = 20 poles connector