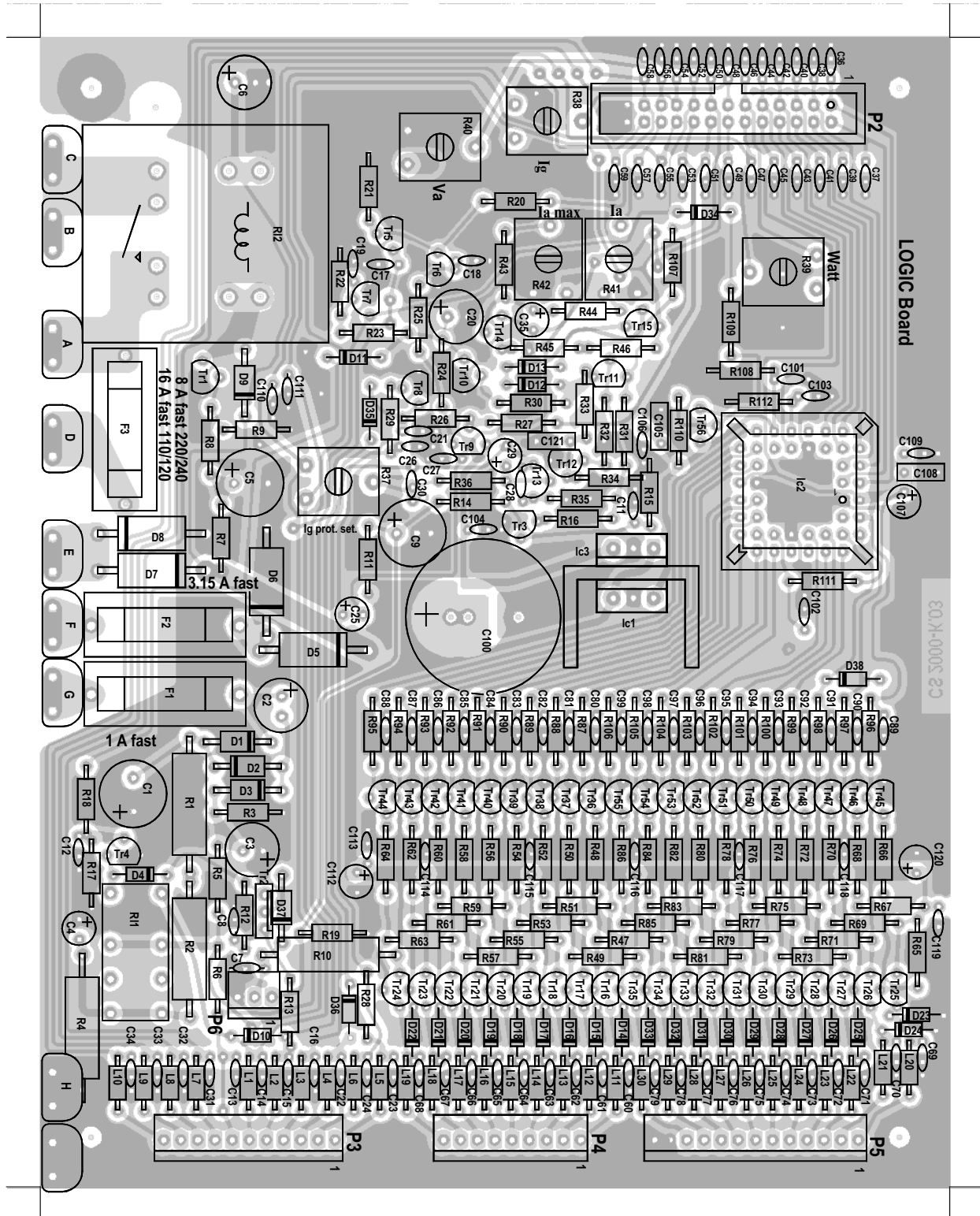
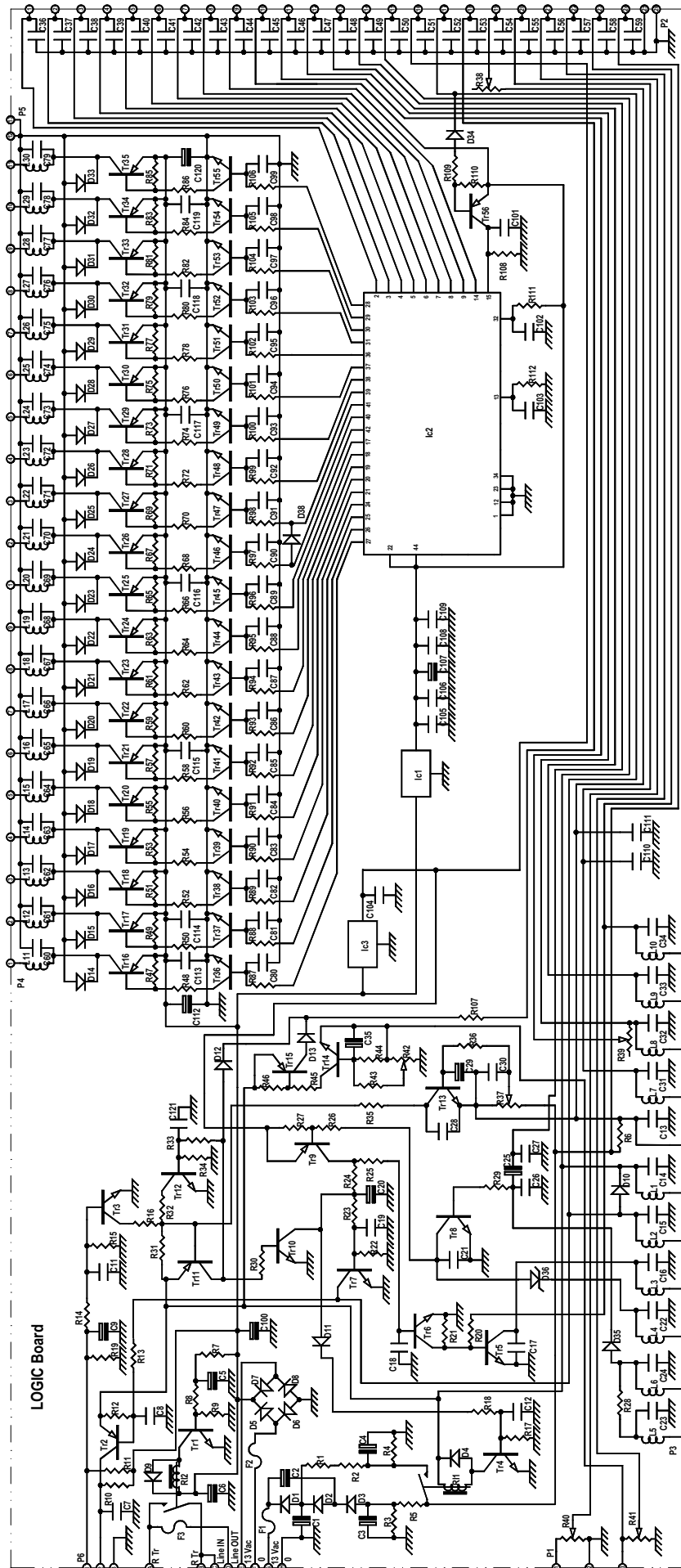


# KLV 2000 K Logic Board

Version 1.00





**List of components**

C 1 =	470 µF	25 V		R 22 =	2,2 KΩ	¼ W
C 2 =	47 µF	63 V		R 23 =	2,2 KΩ	¼ W
C 3 =	47 µF	63 V		R 24 =	4,7 KΩ	¼ W
C 4 =	10 µF	25 V		R 25 =	2,2 KΩ	¼ W
C 5 =	220 µF	16 V		R 26 =	2,2 KΩ	¼ W
C 6 =	330 µF	25 V		R 27 =	1,0 KΩ	¼ W
C 7 =	10 nF	50 V		R 28 =	2,2 KΩ	¼ W
C 8 =	10 nF	50 V		R 29 =	2,2 KΩ	¼ W
C 9 =	47 µF	25 V		R 30 =	2,2 KΩ	¼ W
C 11 to C 19 =	10 nF	50 V		R 31 =	1,0 KΩ	¼ W
C 20 =	10 µF	16 V		R 32 =	4,7 KΩ	¼ W
C 21 to C 24 =	10 nF	50 V		R 33 =	4,7 KΩ	¼ W
C 25 =	22 µF	16 V		R 34 =	10 KΩ	¼ W
C 26 to C 27 =	10 nF	50 V		R 35 =	4,7 KΩ	¼ W
C 29 =	10 µF	16 V		R 36 =	470 Ω	¼ W
C 30 to C 34 =	10 nF	50 V		R 37 =	Trimmer	10 KΩ
C 35 =	22 µF	16 V		R 38 =	Trimmer	220 KΩ
C 36 to C 99 =	10 nF	50 V		R 39 =	Trimmer	220 KΩ
C 100 =	4700 µF	25 V		R 40 =	Trimmer	10 KΩ
C 101 to C 104 =	10 nF	50 V		R 41 =	Trimmer	10 KΩ
C 105 =	100 nF	63 V	Polyester	R 42 =	Trimmer	10 KΩ
C 106 =	10 nF	50 V		R 43 =	1,0 KΩ	¼ W
C 107 =	10 µF	16 V		R 44 =	8,2 KΩ	¼ W
C 108 =	100 nF	63 V	Polyester	R 45 =	4,7 KΩ	¼ W
C 109 to C 111 =	10 nF	50 V		R 46 =	1,0 KΩ	¼ W
C 112 =	10 µF	16 V		R 47 =	1,0 KΩ	¼ W
C 113 to C 119 =	10 nF	50 V		R 48 =	8,2 KΩ	¼ W
C 120 =	10 µF	16 V		R 49 =	1,0 KΩ	¼ W
C 121 =	100 nF	63 V	Polyester	R 50 =	8,2 KΩ	¼ W
R 1 =	68 Ω	2 W		R 51 =	1,0 KΩ	¼ W
R 2 =	68 Ω	2 W		R 52 =	8,2 KΩ	¼ W
R 3 =	220 KΩ	¼ W		R 53 =	1,0 KΩ	¼ W
R 4 =	10 Ω	2 W		R 54 =	8,2 KΩ	¼ W
R 5 =	47 KΩ	¼ W		R 55 =	1,0 KΩ	¼ W
R 6 =	18 Ω	½ W		R 56 =	8,2 KΩ	¼ W
R 7 =	10 KΩ	¼ W		R 57 =	1,0 KΩ	¼ W
R 8 =	10 KΩ	¼ W		R 58 =	8,2 KΩ	¼ W
R 10 =	15 Ω	2 W		R 59 =	1,0 KΩ	¼ W
R 11 =	2,2 KΩ	¼ W		R 60 =	8,2 KΩ	¼ W
R 12 =	1,0 KΩ	¼ W		R 61 =	1,0 KΩ	¼ W
R 13 =	1,0 KΩ	¼ W		R 62 =	8,2 KΩ	¼ W
R 14 =	2,2 KΩ	¼ W		R 63 =	1,0 KΩ	¼ W
R 15 =	470 Ω	¼ W		R 64 =	8,2 KΩ	¼ W
R 16 =	4,7 KΩ	¼ W		R 65 =	1,0 KΩ	¼ W
R 17 =	2,2 KΩ	¼ W		R 66 =	8,2 KΩ	¼ W
R 18 =	2,2 KΩ	¼ W		R 67 =	1,0 KΩ	¼ W
R 20 =	10 KΩ	¼ W		R 68 =	4,7 KΩ	¼ W
R 21 =	22 KΩ	¼ W		R 69 =	1,0 KΩ	¼ W

R 70 =	8,2 K $\Omega$	1/4 W	Rl 2 =	6561-12
R 71 =	1,0 K $\Omega$	1/4 W	Ic 1 =	LM 7805
R 72 =	8,2 K $\Omega$	1/4 W	Ic 2 =	M4A5 RM001
R 73 =	1,0 K $\Omega$	1/4 W	Ic 3 =	LM 7812
R 74 =	8,2 K $\Omega$	1/4 W		
R 75 =	1,0 K $\Omega$	1/4 W		
R 76 =	8,2 K $\Omega$	1/4 W		
R 77 =	1,0 K $\Omega$	1/4 W		
R 78 =	8,2 K $\Omega$	1/4 W		
R 79 =	1,0 K $\Omega$	1/4 W		
R 80 =	8,2 K $\Omega$	1/4 W		
R 81 =	1,0 K $\Omega$	1/4 W		
R 82 =	8,2 K $\Omega$	1/4 W		
R 83 =	1,0 K $\Omega$	1/4 W		
R 84 =	8,2 K $\Omega$	1/4 W		
R 85 =	1,0 K $\Omega$	1/4 W		
R 86 =	8,2 K $\Omega$	1/4 W		
R 87 to R 106 =	10 K $\Omega$	1/4 W		
R 107 =	1,0 K $\Omega$	1/4 W		
R 108 =	2,2 K $\Omega$	1/4 W		
R 109 =	4,7 K $\Omega$	1/4 W		
R 110 =	1,0 K $\Omega$	1/4 W		
R 111 =	4,7 K $\Omega$	1/4 W		
R 112 =	4,7 K $\Omega$	1/4 W		
D 1 to D 3 =	1N 4004			
D 4 =	1N 4148			
D 5 to D 8 =	1N 5400			
D 9 =	1N 4004			
D 10 to D 35 =	1N 4148			
D 36 =	Zener 7,5 V	1/2 W		
D 37 =	1N4004			
D 38 =	1N4148			
Tr 1 =	BC 337			
Tr 2 =	BD 176			
Tr 3 to Tr 8 =	BC 337			
Tr 9 =	BC 327			
Tr 10 =	BC 337			
Tr 11 =	BC 327			
Tr 12 =	BC 337			
Tr 13 =	MPSA 42			
Tr 14 =	BC 337			
Tr 15 to Tr 35 =	BC 327			
Tr 36 to Tr 55 =	BC 337			
Tr 56 =	BC 327			
F 1 =	Fuse 1 A			
F 2 =	Fuse 3 A			
F 3 =	Fuse 8 A			
L 1 to L 30 =	10 $\mu$ H			
Rl 1 =	3022-12			