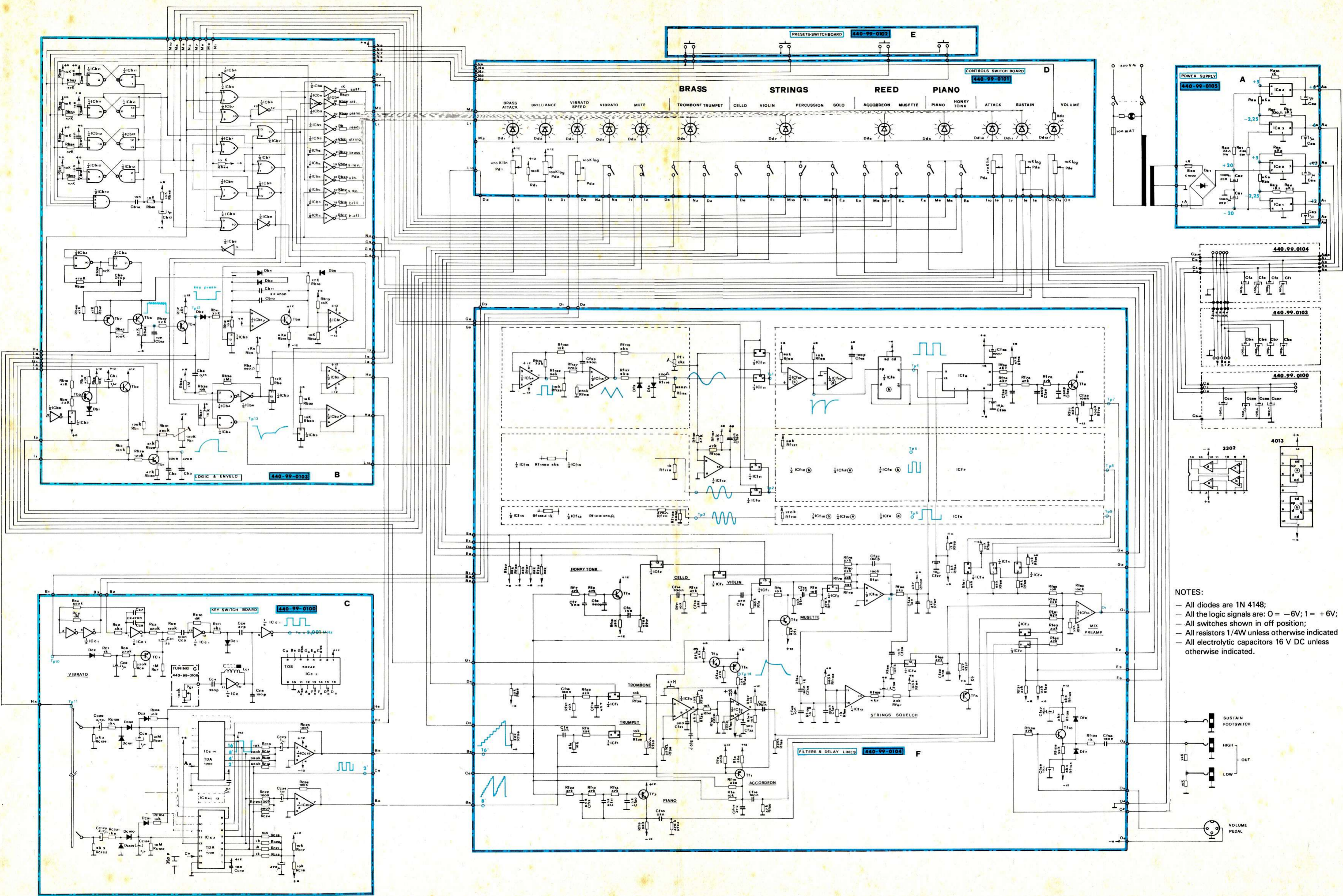


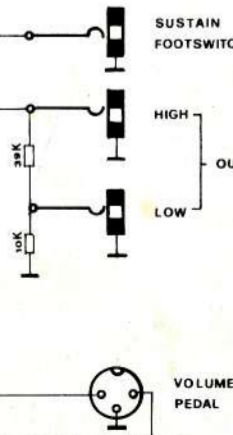
SELOORCHESTRA

**SCHEMATIC
DIAGRAM**

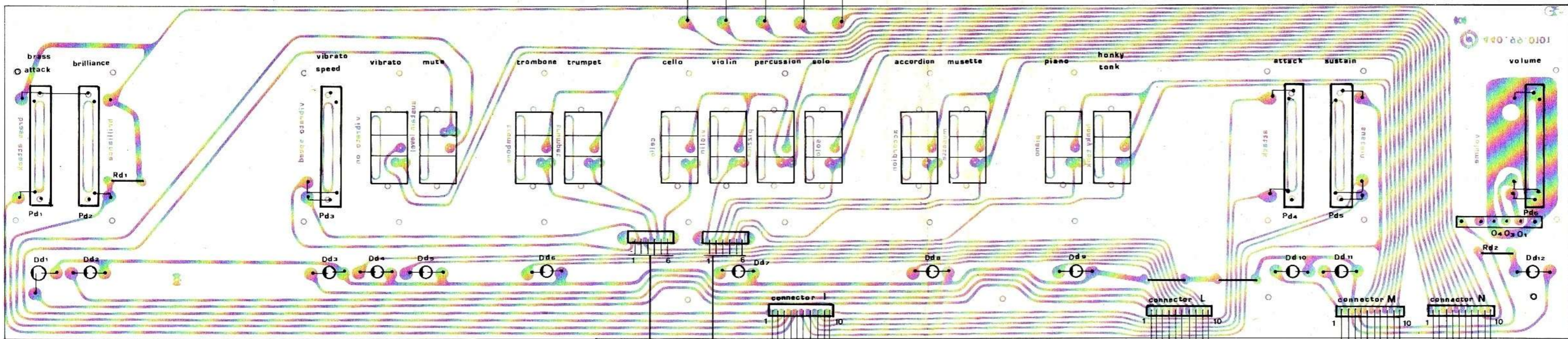
SEL[®]



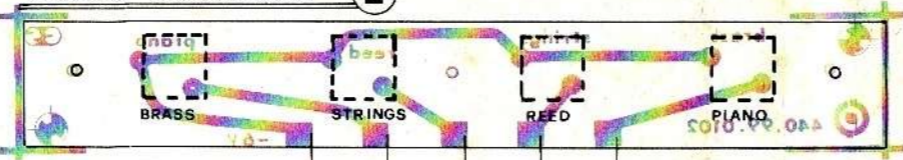
- NOTES:
- All diodes are 1N 4148;
 - All the logic signals are: 0 = -6V; 1 = +6V;
 - All switches shown in off position;
 - All resistors 1/4W unless otherwise indicated
 - All electrolytic capacitors 16 V DC unless otherwise indicated.



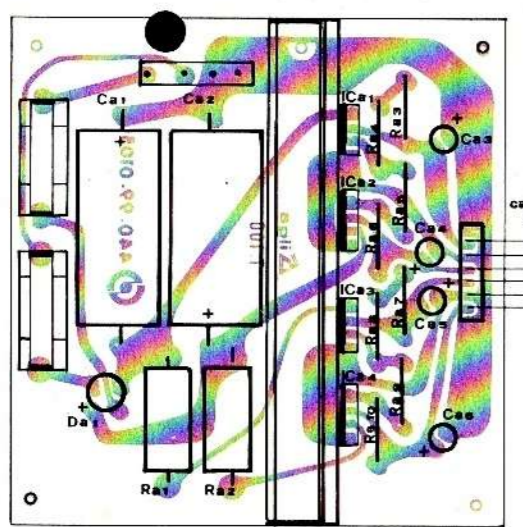
CONTROLS SWITCHBOARD (D)



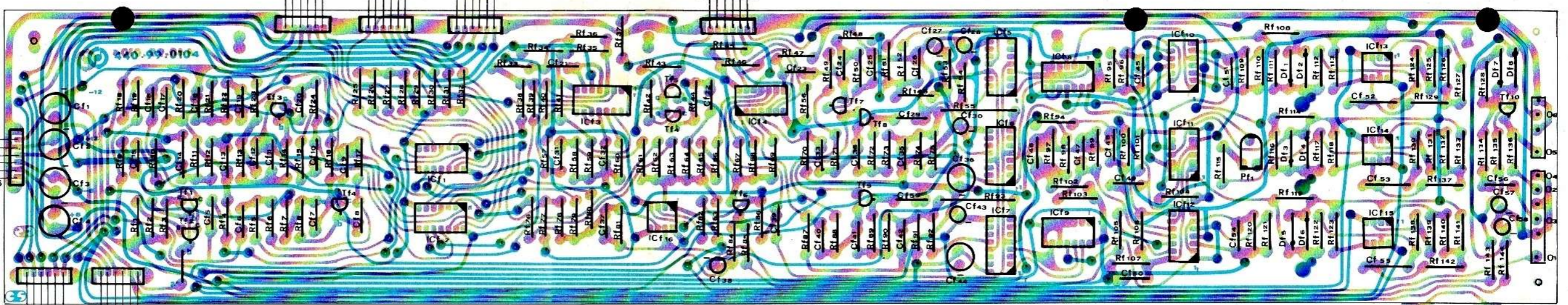
PRESETS SWITCHBOARD (E)



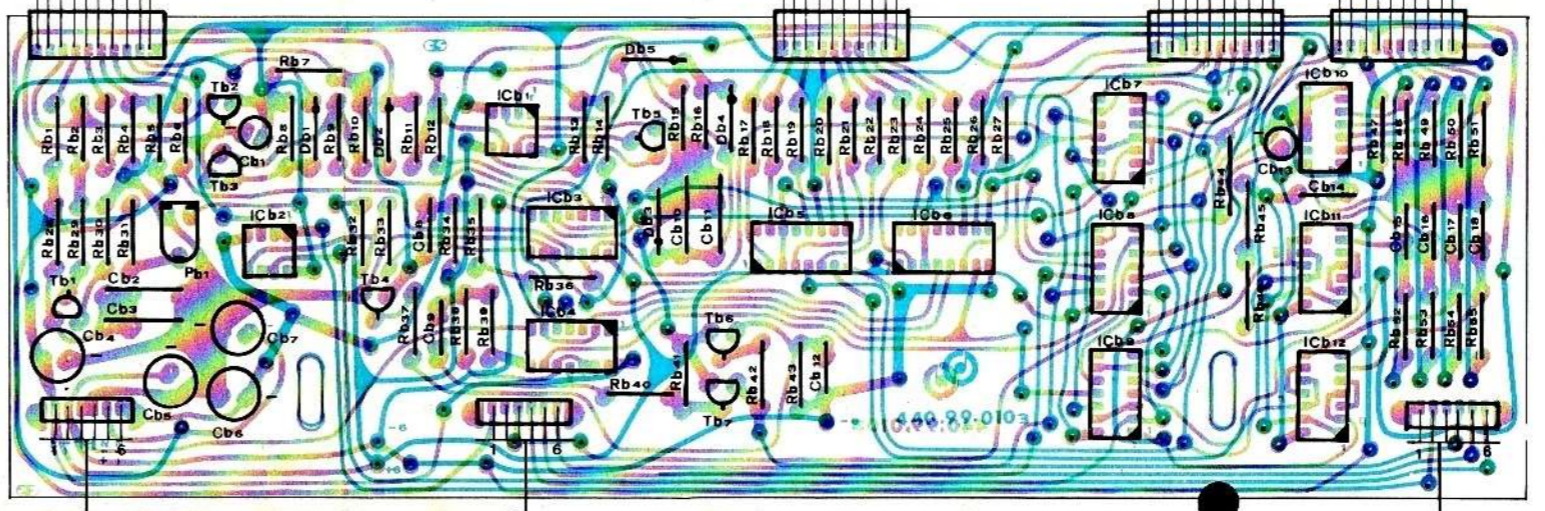
POWER SUPPLY (A)



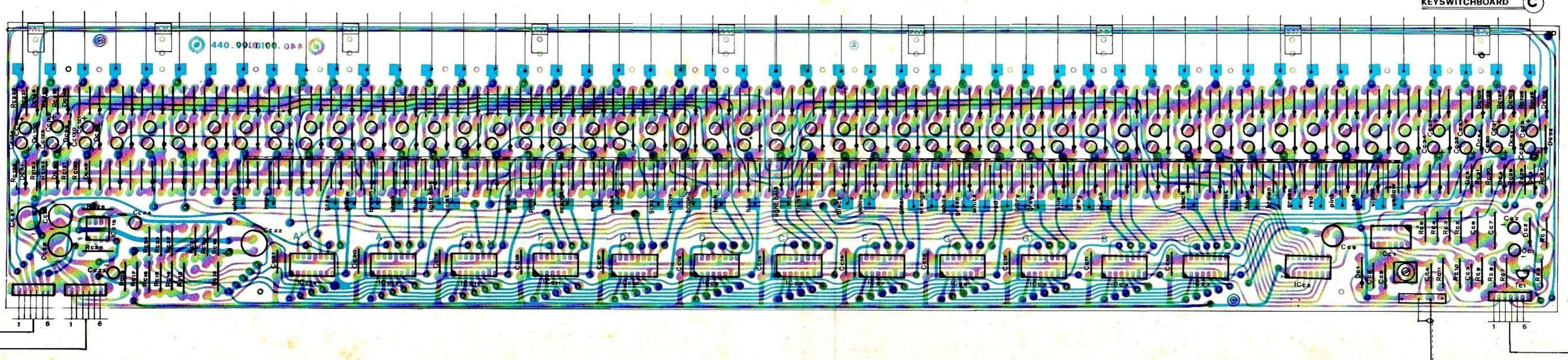
FILTERS, DELAY-LINES (F)



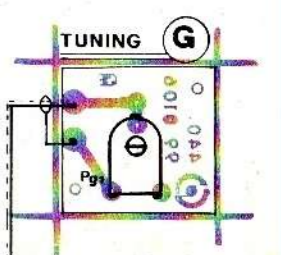
LOGIC ENVELOPES (B)



KEYSWITCHBOARD (C)



TUNING (G)



cable D

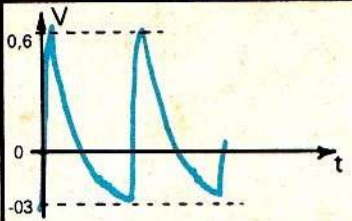
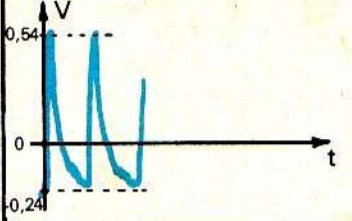
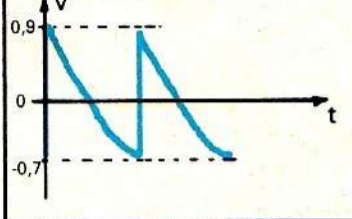
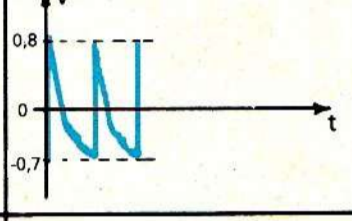
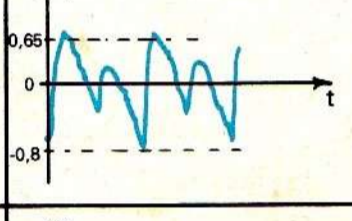
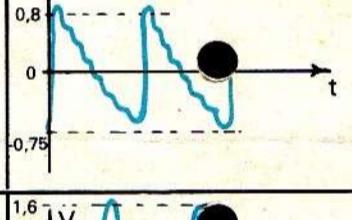
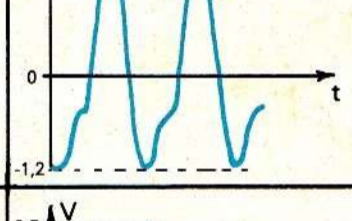
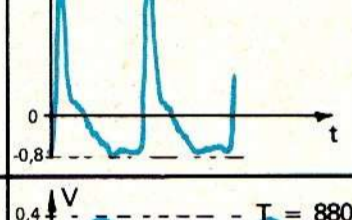
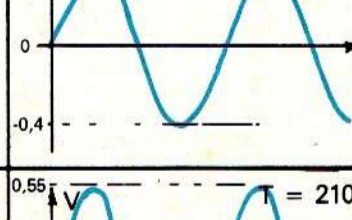
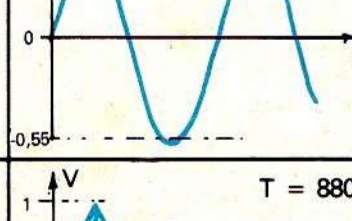
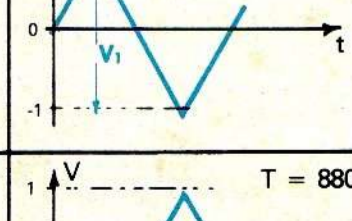
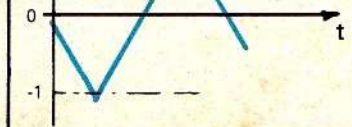
cable E

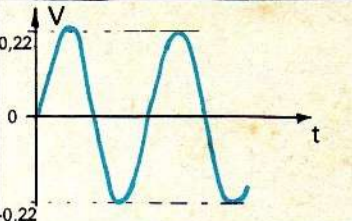
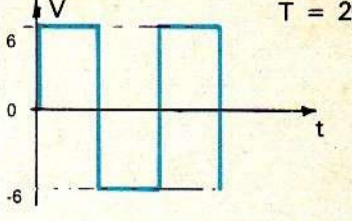
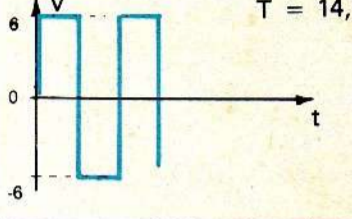
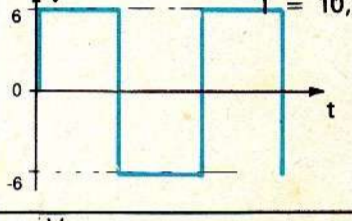
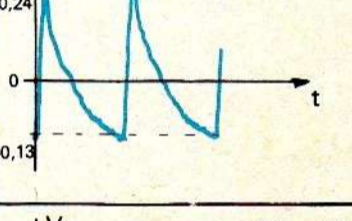
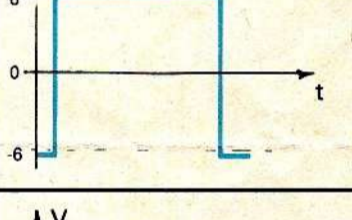
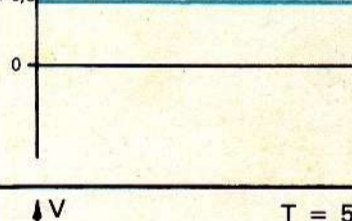
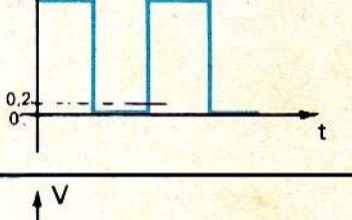
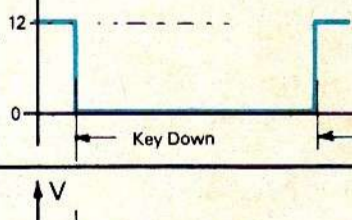
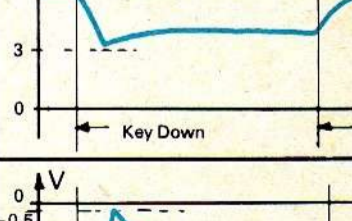
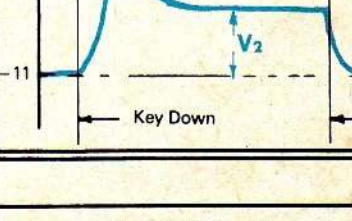
cable F

cable G

cable H

cable A
cable B
cable C

TP	INSTRUMENT INSERTED	CONDITION	WAVEFORMS
01	Trombone	- Brilliance max - Mute off - $f = 440$ Hz	
01	Trumpet	Brilliance max Mute off - $f = 880$ Hz	
X1	Cello	- Percuss. off - $f = 440$ Hz	
X1	Violin	Percuss. off $f = 880$ Hz	
01	Accordeon	Attack min. $f = 880$ Hz	
X1	Musette	Attack min. $f = 880$ Hz	
01	Piano	Sustain max $f = 440$ Hz	
X1	Honky Tonk	Sustain max $f = 440$ Hz	
Tp1	Violin or Cello		
Tp2	Violin or Cello		
Tp1	Honky Tonk or Musette		
Tp2	Honky Tonk or Musette		

TP	INSTRUMENT INSERTED	CONDITION	WAVEFORMS
Tp3			
Tp4		Tp1 To ground	
Tp5		Tp2 To ground	
Tp6		Tp3 To ground	
Tp7	Violin	Perc off	
Tp8		Solo off	
Tp9		$f = 440$ Hz	
Tp10	Trumpet	- Vibrato on - Any Key pressed	
Tp11	Piano		
Tp11	Violin	- Attack min - Any key, pressed	
Tp12	Trumpet		
Tp13	Trumpet	- Brass Attack 1/2 - Brilliance max - Mute off	
Tp14	Trumpet	- Brass Attack 1/2 - Brilliance max - Mute off	
ADJUST			
Tp1	Musette		Adjust Pf1 for $V_1 = 2$ Vpp
Tp14	Trumpet		Adjust Pb1 for $V_2 = -7$ V
Fo	Set ext Tuning 1/2		Pitch the coil Lc1 for $f_0 = 2,001$ MHz

Position	Type	Code
A		
ICa1-3	uA 79 MG	367.99.8003
ICa2-4	uA 78 MG	367.99.8002
B		
ICb1-2	1458	367.99.7004
ICb3	4016	367.99.6004
ICb4-11-12	4011	367.99.6002
ICb5-6	4049	367.99.6012
ICb7-9	4071-	367.99.6022
ICb8	4069	367.99.6005
ICb10	4082-	367.99.6023
Tb1.5	BC 173	364.99.0003
Tb6-7	BC 416	364.99.0004
C		
ICc1	4069	367.99.6005
ICc2	50242	367.99.5001
ICc3 ÷ 14	TDA 1008 -	367.99.5011
ICc15	1458 -	367.99.7004
Tc1	BC173 selected	364.99.0007
F		
ICf1-2-4-11	4016	367.99.6004
ICf3	13600 -	367.99.7005
ICf5-6-7	TDA 1022	367.99.5012
ICf8-9	4013	367.99.6003
ICf10-12	3302-	367.99.7003
ICf13-14-15	1458	367.99.7004
Tf1.3	BC173	364.99.0003
Tf4	BC416	364.99.0004
Tf5.10	BC173	364.99.0003

Cable Map

		1	2	3	4	5	6	7	8	9	10
Cable	A	-12	⊥	+12	-6	⊥	+6				
	B	V _D	Vib.Sp.	Vib.Sp.	⊥	8'	16'				
	C	+12	+6	⊥	⊥	-12	2'				
	D	Vib.Sp.	Vib.Sp.	V _D	Tb·B	Tr·B	C·S				
	E	V·S	S ₀ ·S	A·R	M·R	Pi·P	H·P				
	F	+6	-6	⊥	⊥	+12	-12				
	G	ADSR	⊥	S·S ₀	S·S·S ₀	H·P+M·R	H·P+M·R				
	H	⊥	Sustain	⊥	C.B.	⊥	Decay				

Connector Map

Connector	I	Mute	—	Mute	Brill.	Attack	Sustain	Sustain	Sustain	Attack	Attack
	L	LED Attack	LED Brill.	LED Vib.Sp.	LED Piano	LED Reed	LED Strings	LED Brass	LED Mute	LED Vibrato	V _D
	M	LED Attack	LED Sustain	+6		H·P	P	M·R	R	S ₀ S	S
	N	P ₂ ·S	B	Vib.	Vib.	B'	S'	R'	P'	-6	+12

NOTES:

PIANO = P	Trombone = Tb	Solo = S ₀
BRASS = B	Trumpet = Tr	Accordeon = A
STRINGS = S	Cello = C	Musette = M
REED = R	Violin = V	Piano = Pi
	Percussion = P ₂	Honky Tonky = H
	Vibrato delay = V _D	
	Common bar = C.B.	