

WESLEY

MADE BY JOHANNUS

SCHEMATIC DIAGRAMS

W E S L E Y 3 2

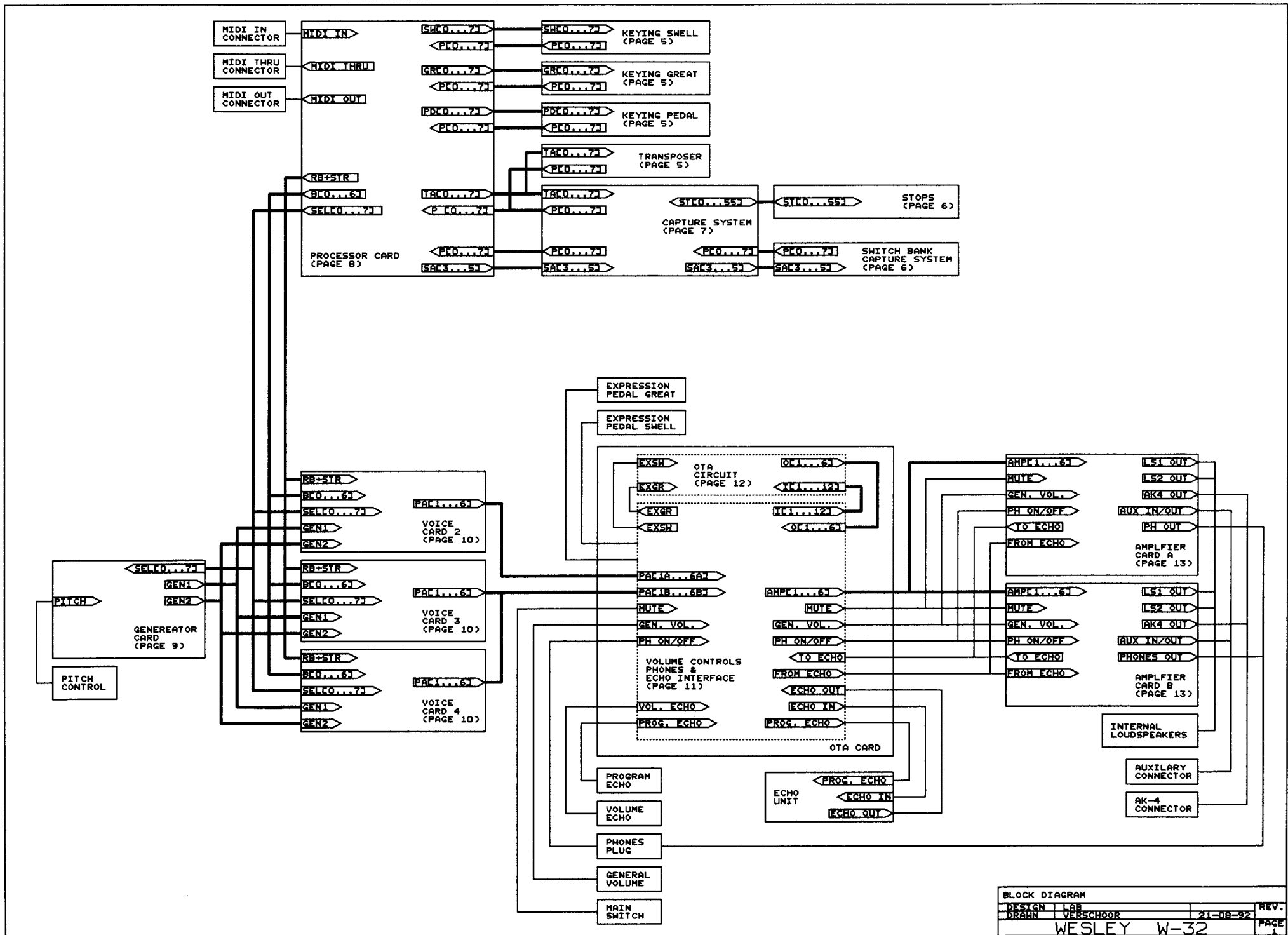
ALTERATIONS RESERVED

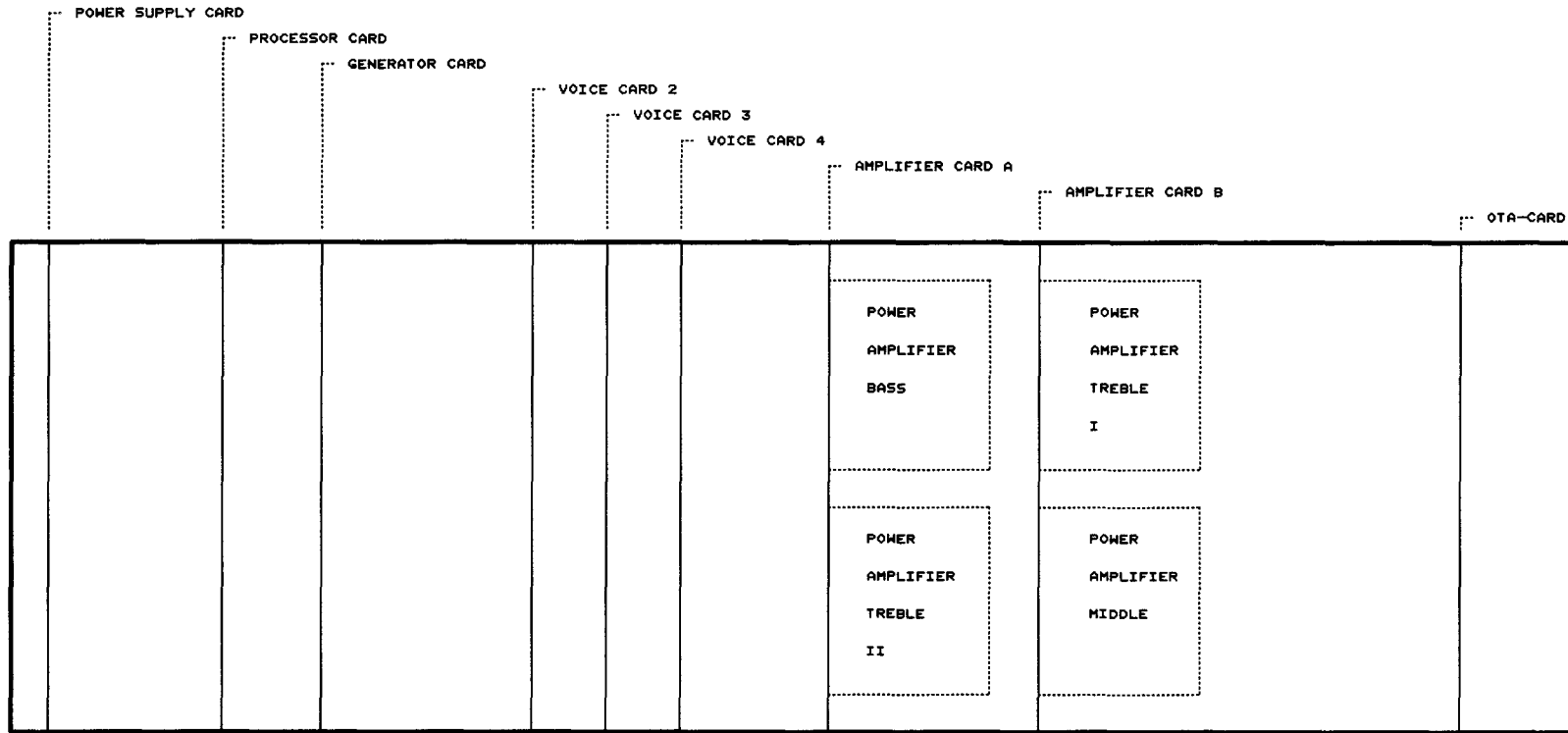
WESLEY Organs b.v.

Morssestraat 28 - 6716 AH Ede - Tel. (08380) 37403 - Fax (08380) 22239

C O N T E N T S

1. BLOCK DIAGRAM
2. POSITION DIAGRAM CARDS (TOPVIEW) & EXTERNAL CONNECTIONS (mounted on the rearside of the organ)
3. PINNING BUS CARD CONNECTORS
4. TRANSFORMER CONNECTIONS & POWER SUPPLY
5. SCANNING KEYING & TRANSPOSER
6. STOP-BANK & SWITCH-BANK CAPTURE SYSTEM
7. CAPTURE SYSTEM
8. PROCESSOR CARD
9. GENERATOR CARD
10. VOICE CARD
11. VOLUMECONTROLS; HEADPHONES CONNECTIONS & ECHO INTERFACE (ota card)
12. EXPRESSION PEDAL CIRCUIT (ota card)
13. AMPLIFIER CARD
14. POSITION DIAGRAM ADJUSTMENTS
INTERNAL POTENTIOMETERS





← COMPONENT SIDE

1. NOT CONNECTED
2. NOT CONNECTED
3. NOT CONNECTED
4. +5V MIDI IN
5. MIDI IN



MIDI IN

1. NOT CONNECTED
2. NOT CONNECTED
3. NOT CONNECTED
4. +5V MIDI THRU
5. MIDI THRU



MIDI THRU

1. NOT CONNECTED
2. NOT CONNECTED
3. NOT CONNECTED
4. +5V MIDI OUT
5. MIDI OUT



MIDI OUT

SOLDERSIDE VIEW

1. AK-4 OUT CHANNEL A
2. GROUND
3. NOT CONNECTED
4. AK-4 OUT CHANNEL B
5. NOT CONNECTED



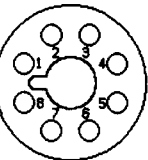
AK-4
OUT

1. AUX OUT CHANNEL A
2. GROUND
3. AUX IN CHANNEL A
4. AUX OUT CHANNEL B
5. AUX IN CHANNEL B



AUX
IN/OUT

1. - BASS AMPLIFIER
2. + BASS AMPLIFIER
3. - MIDDLE AMPLIFIER
4. + MIDDLE AMPLIFIER
5. - TREBLE I AMPLIFIER
6. + TREBLE I AMPLIFIER
7. - TREBLE II AMPLIFIER
8. + TREBLE II AMPLIFIER

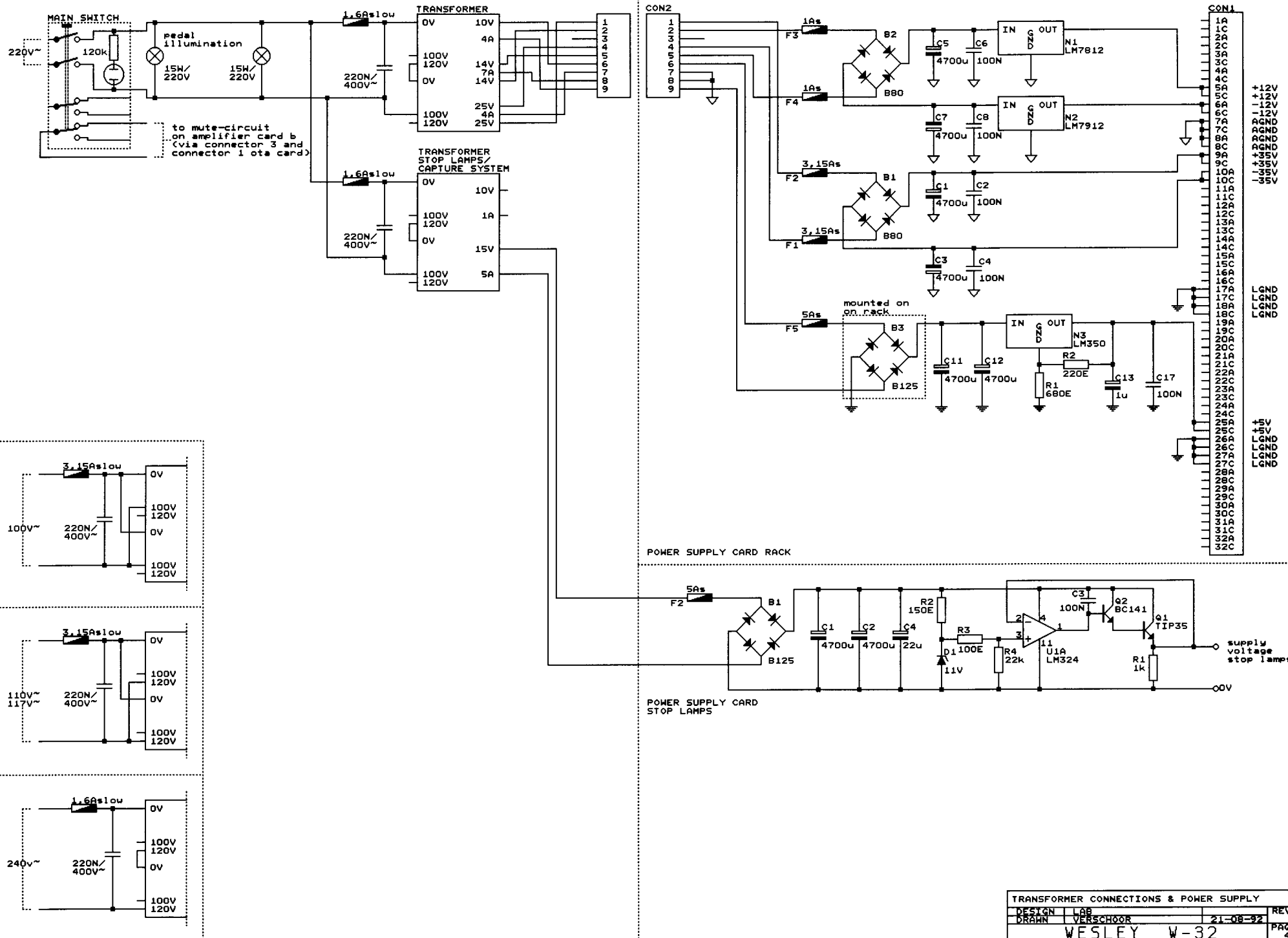


(OPTIONAL)

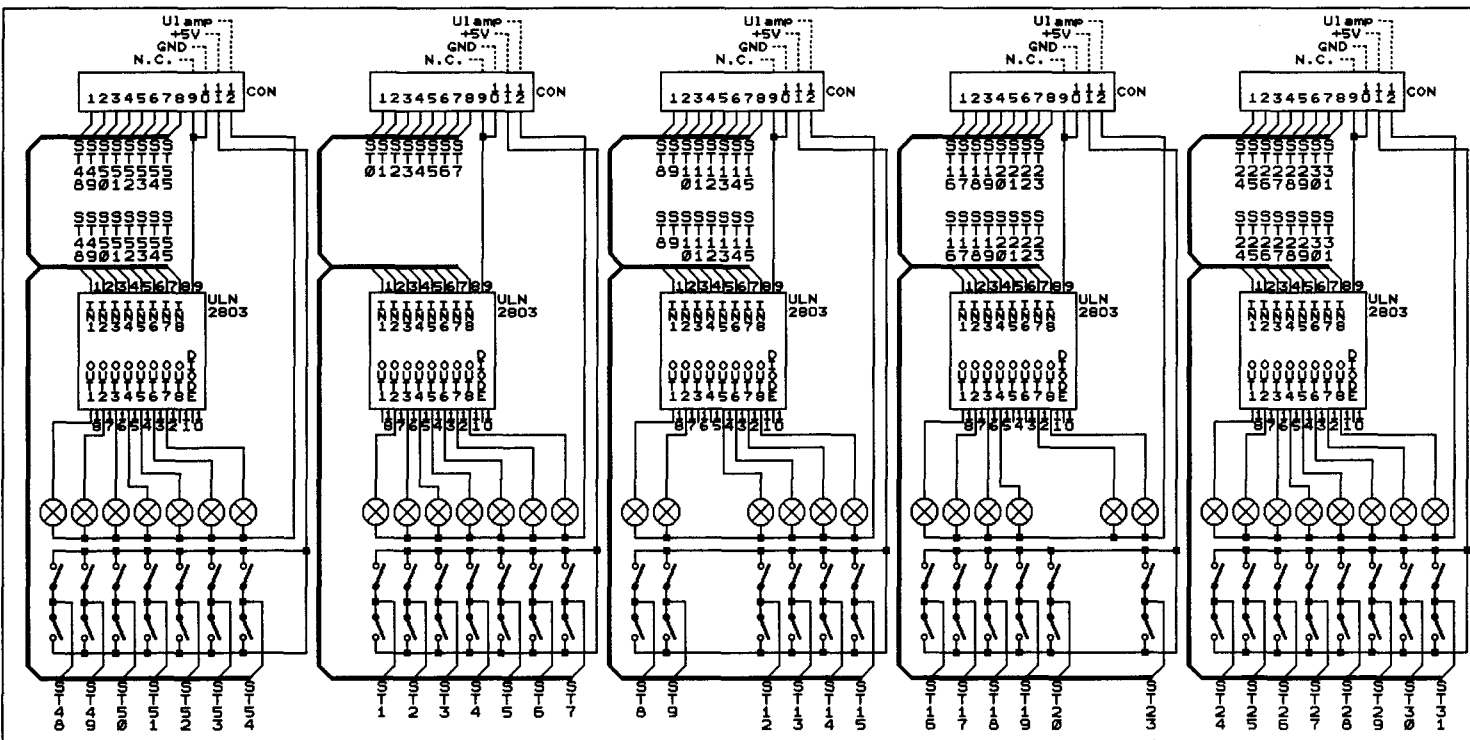
POSITION DIAGRAM CARDS (TOPVIEW) & EXTERNAL CONNECTIONS (mounted on the rear side of the organ).

DESIGN	LAB		REV.
DRAWN	VERSCHOOR	21-08-92	PAGE
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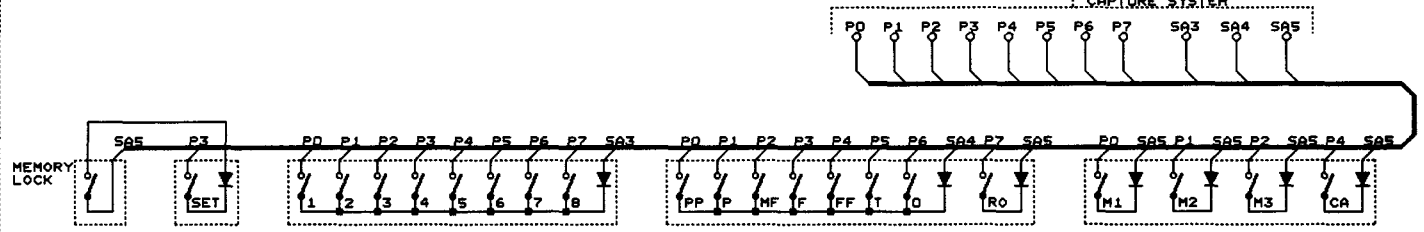
CON1	CON2	CON3	CON4-5	CON6-8	CON9-10	CON11	CON12
015 020 030 040 050 060 070 080 090 0180 0110 0120 0130 0140 0150 0160 0170 0180 0190 0280 0210 0220 0230 0240 0250 0260 0270 0280 0290 0380 0310 0320 POWER SUPPLY CARD	015 020 030 040 050 060 070 080 090 0180 0110 0120 0130 0140 0150 0160 0170 0180 0190 0280 0210 0220 0230 0240 0250 0260 0270 0280 0290 0380 0310 0320 PROCESSOR CARD	015 020 030 040 050 060 070 080 090 0180 0110 0120 0130 0140 0150 0160 0170 0180 0190 0280 0210 0220 0230 0240 0250 0260 0270 0280 0290 0380 0310 0320 GENERATOR CARD	PA1B 015 PA2B PA3B 020 PA4B PA5B 030 PA6B 040 050 060 070 080 090 0180 0110 0120 0130 0140 0150 0160 0170 0180 0190 0280 0210 0220 0230 0240 0250 0260 0270 0280 0290 0380 0310 0320 VOICE CARD 1-2	PA1A 015 PA2A PA3A 020 PA4A PA5A 030 PA6A 040 PA7A 050 060 070 080 090 0180 0110 0120 0130 0140 0150 0160 0170 0180 0190 0280 0210 0220 0230 0240 0250 0260 0270 0280 0290 0380 0310 0320 VOICE CARD 3-5	AMP1 015 AMP2 AMP3 020 AMP4 TO ECHO 030 FROM ECHO B 040 FROM ECHO A 050 060 070 080 090 0180 0110 0120 0130 0140 0150 0160 0170 0180 0190 0280 0210 0220 0230 0240 0250 0260 0270 0280 0290 0380 0310 0320 AMPLIFIER CARD A & B	AMP3 015 AMP4 AMP5 020 AMP6 TO ECHO 030 FROM ECHO B 040 FROM ECHO A 050 060 070 080 090 0180 0110 0120 0130 0140 0150 0160 0170 0180 0190 0280 0210 0220 0230 0240 0250 0260 0270 0280 0290 0380 0310 0320 AMPLIFIER CARD C	AMP1 015 AMP2 AMP3 020 AMP4 AMP5 030 AMP6 FROM ECHO A 040 FROM ECHO B 050 060 070 080 090 0180 0110 0120 0130 0140 0150 0160 0170 0180 0190 0280 0210 0220 0230 0240 0250 0260 0270 0280 0290 0380 0310 0320 OTA CARD



TRANSFORMER CONNECTIONS & POWER SUPPLY			
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SWITCH-BANK CAPTURE SYSTEM



STOPLIST

ACCESSORIES

- ST48 = SWELL TO GREAT
- ST49 = GREAT TO PEDAL
- ST50 = SWELL TO PEDAL
- ST51 = TREMULANT GREAT
- ST52 = TREMULANT SWELL
- ST53 = CHORUS
- ST54 = MANUAL BASS

PEDAL

- ST1 = PRINCIPAL 16'
- ST2 = SUBBASS 16'
- ST3 = OCTAVE 8'
- ST4 = GEDACKT 8'
- ST5 = OPEN FLUTE 4'
- ST6 = MIXTURE III
- ST7 = BOMBARDON 16'
- ST8 = CLARION 8'
- ST9 = MIDI TO PEDAL (CHAN. 3)

GREAT

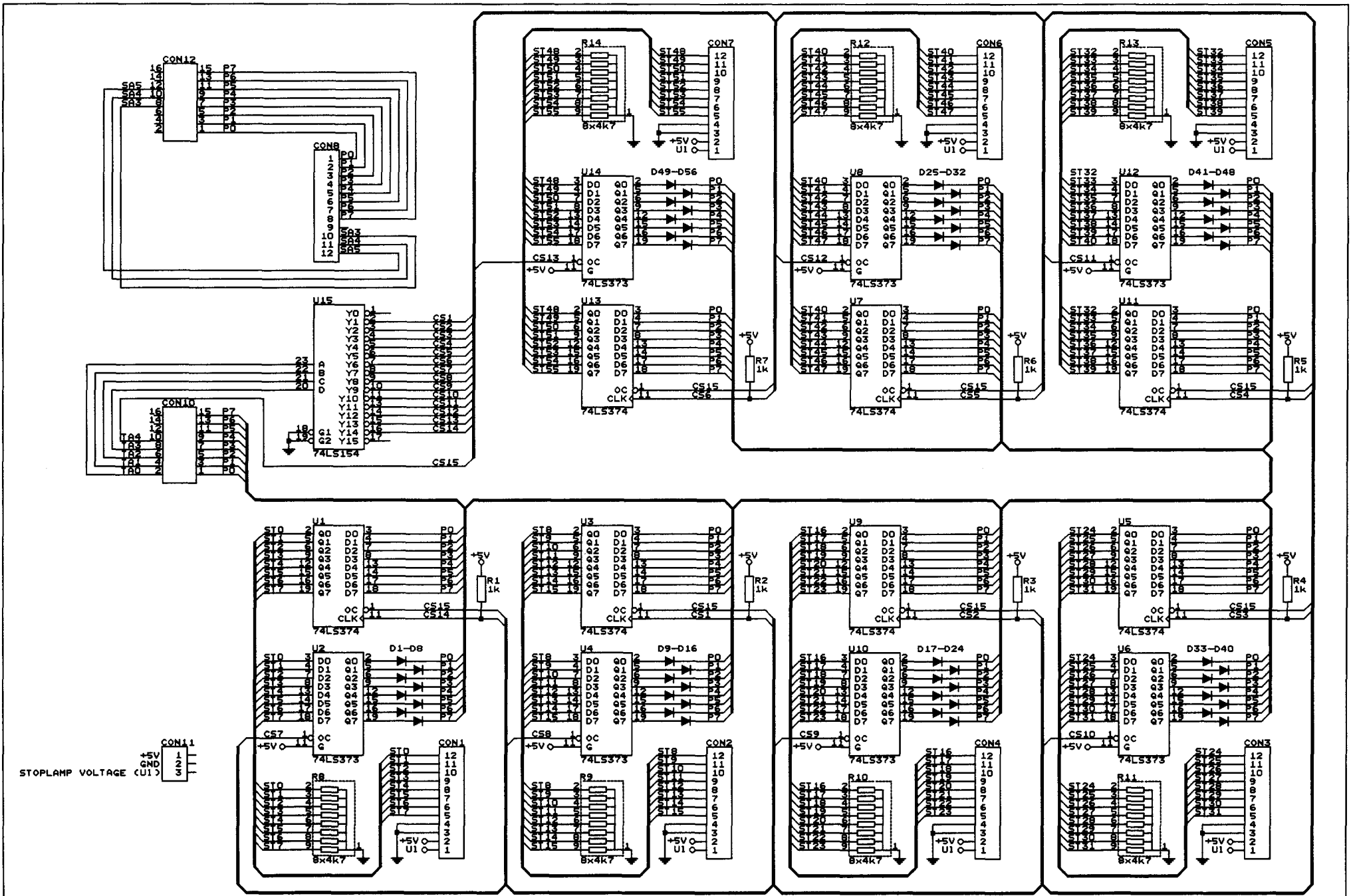
- ST12 = DIAPASON 8'
- ST13 = ROHRFLUTE 8'
- ST14 = PRINCIPAL 4'
- ST15 = TWELFTH 2 2/3'
- ST16 = OCTAVE 2'
- ST17 = CORNET IV
- ST18 = MIXTURE II-IV
- ST19 = TRUMPET 8'
- ST20 = MIDI TO GREAT (CHAN. 1)

SWELL

- ST23 = BOURDON 16'
- ST24 = HOHLFLUTE 8'
- ST25 = GAMBA 8'
- ST26 = CELESTE 8'
- ST27 = HALDFLUTE 4'
- ST28 = CONICAL FLUTE 2'
- ST29 = NAZARD 1 1/3'
- ST30 = CROMORNE 8'
- ST31 = MIDI TO SWELL (CHAN. 2)

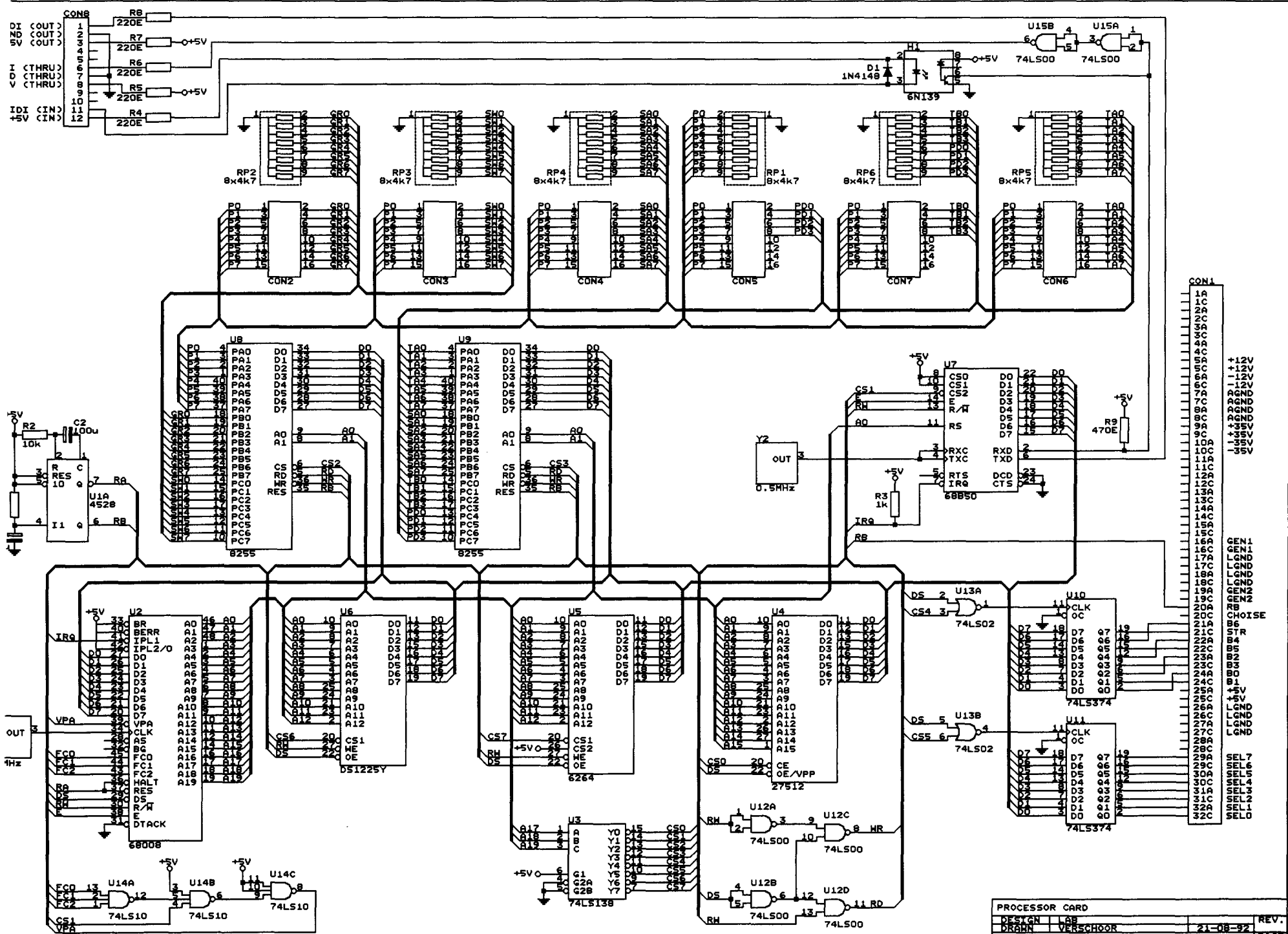
ALL CONNECTORS: TO CAPTURE SYSTEM
ALL STOPLAMPS: 14Vdc/75mA

STOP-BANK AND SWITCH-BANK CAPTURE SYSTEM			
DESIGN	LAB		REV.
DRAWN	VERSCHOOR	21-08-92	PAGE
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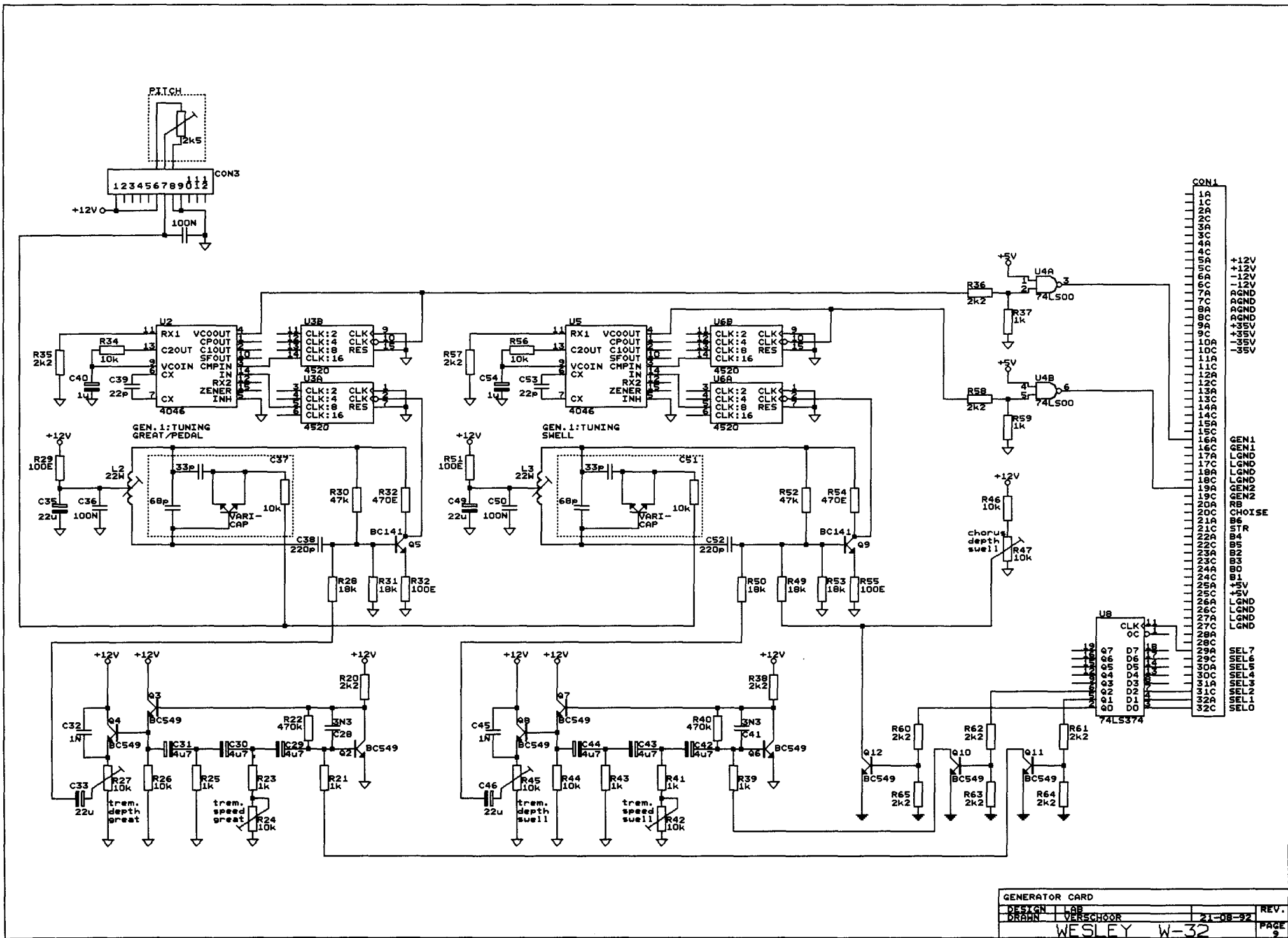


ALL DIODES: IN4148

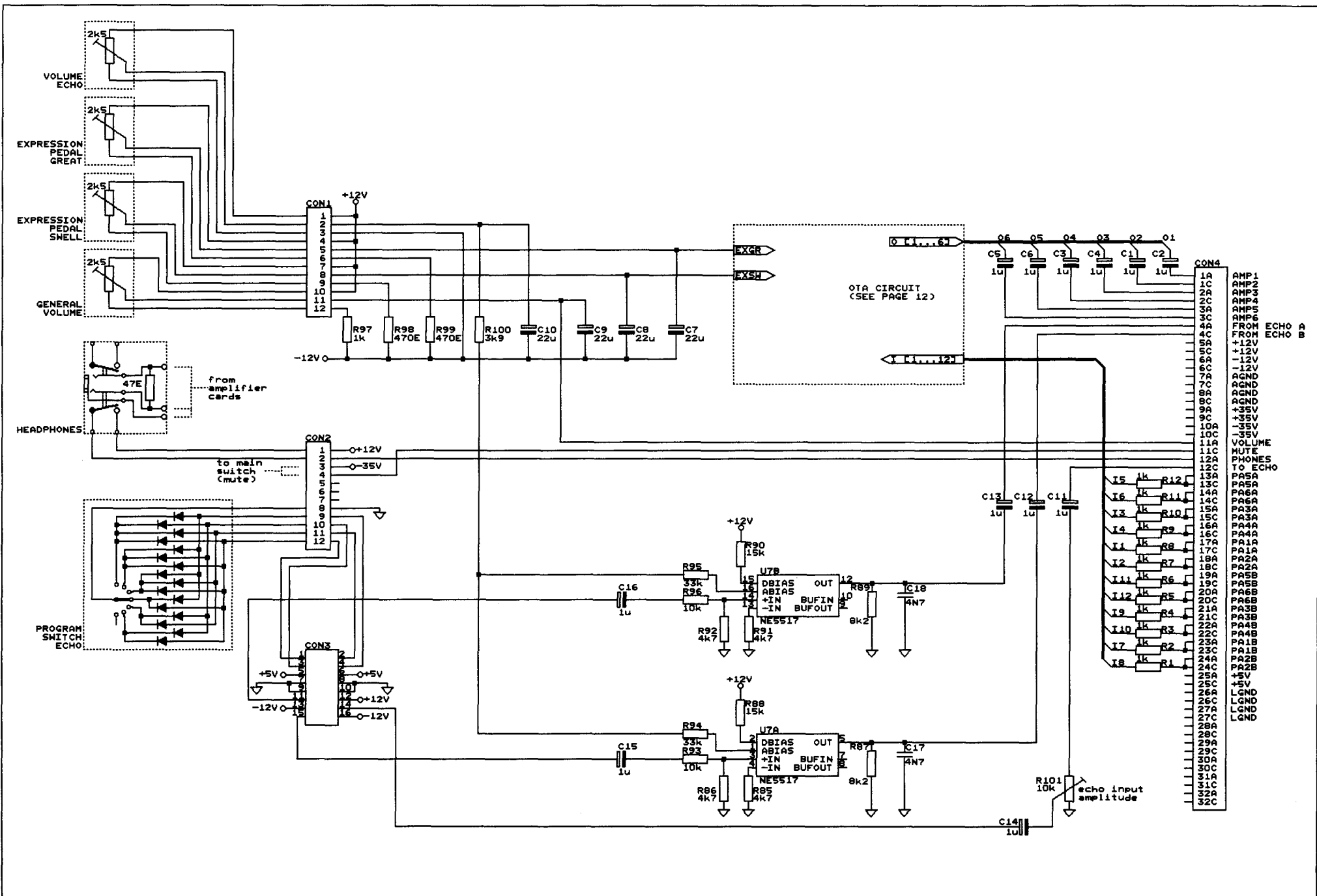
CAPTURE SYSTEM			REV.
DESIGN	LAB		
DRAWN	WESCHOOOR	21-08-92	PAGE
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PROCESSOR CARD			
DESIGN	LAB		REV.
DRAWN	VERSCHOOR	21-08-92	PAGE
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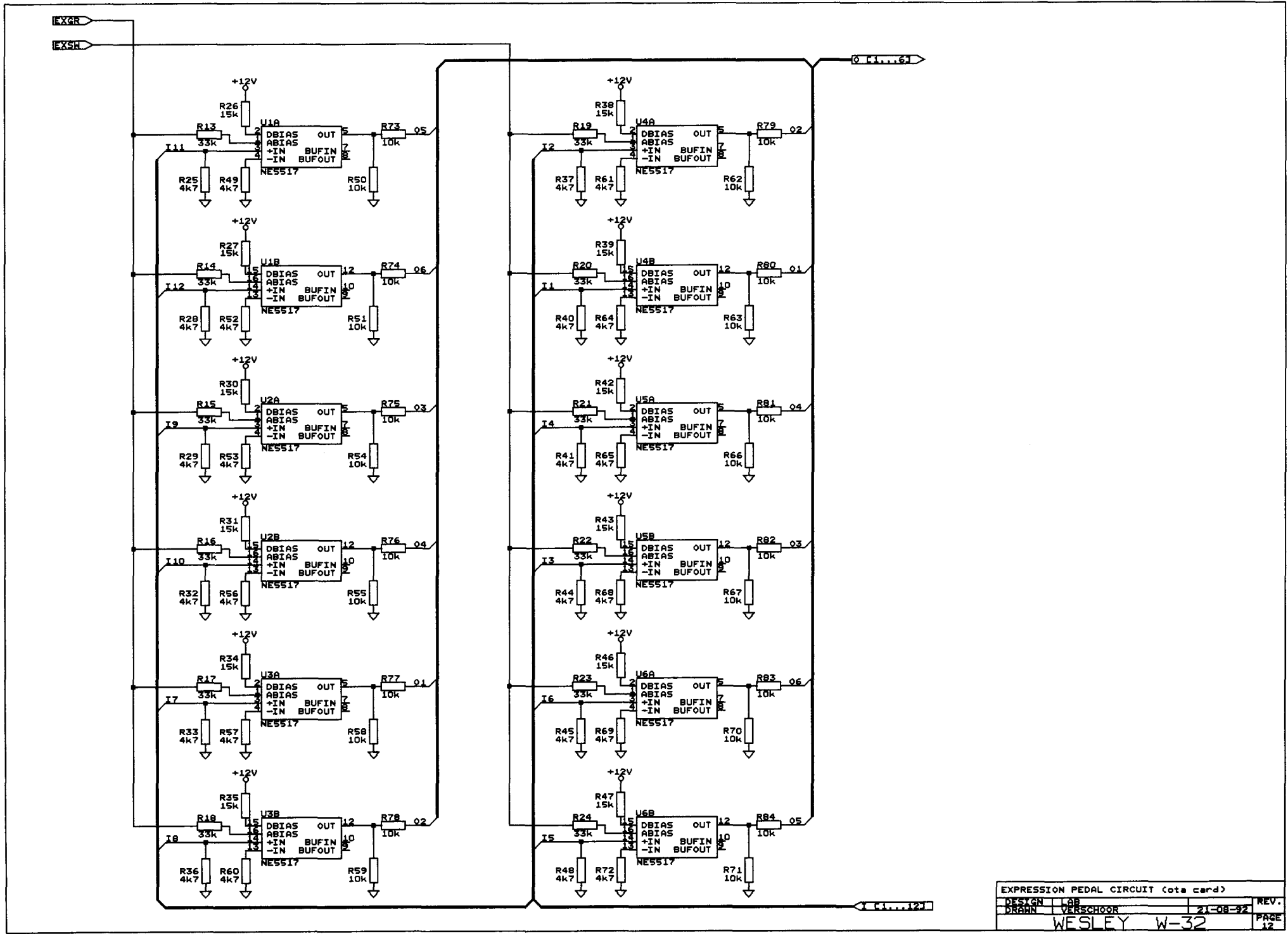


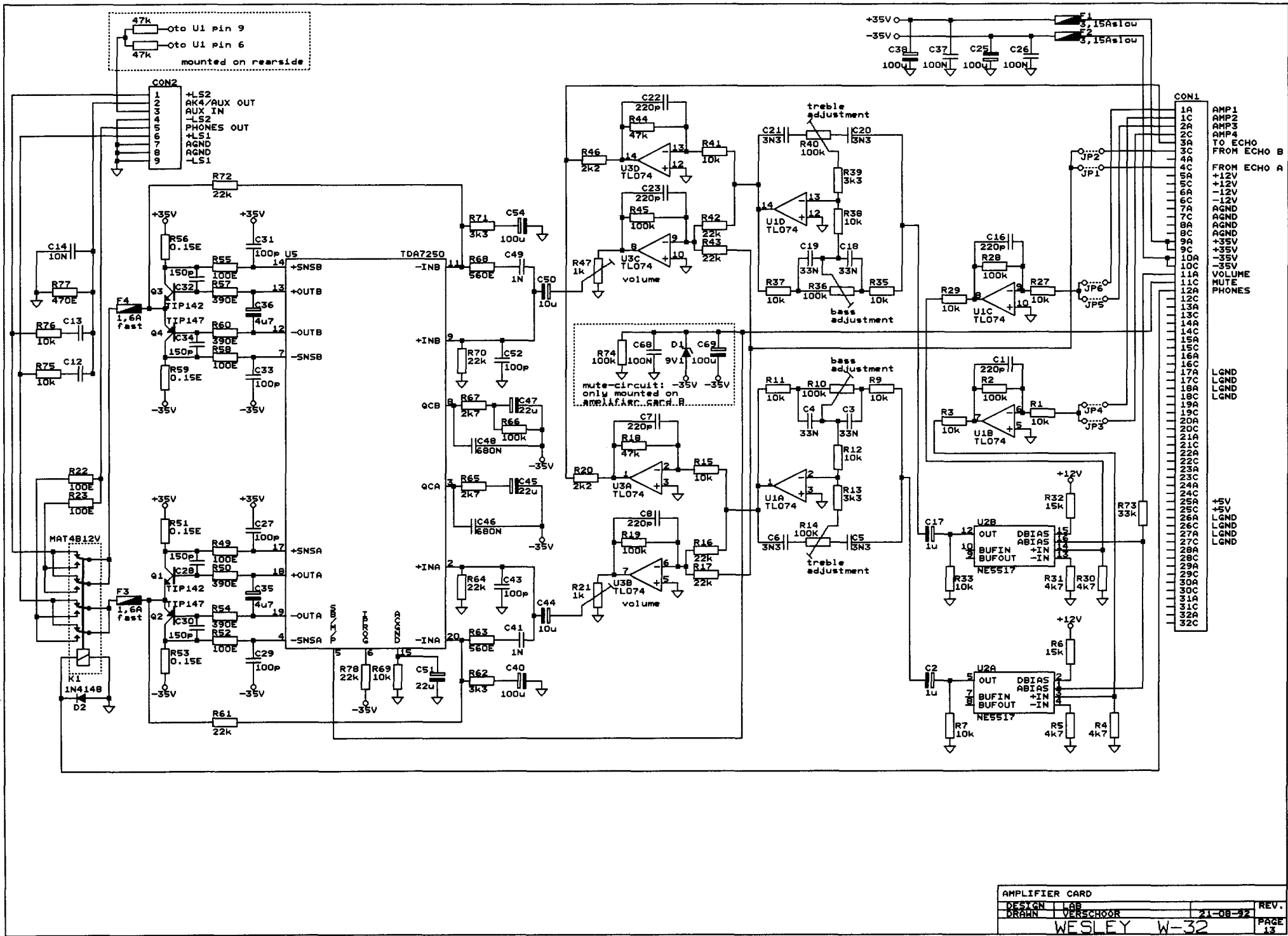
GENERATOR CARD			
DESIGN	LAB		REV.
DRAWN	VERSCHOOR	21-08-92	PAGE
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VOLUME CONTROLS; HEADPHONES CONNECTIONS & ECHO INTERFACE (ota card)

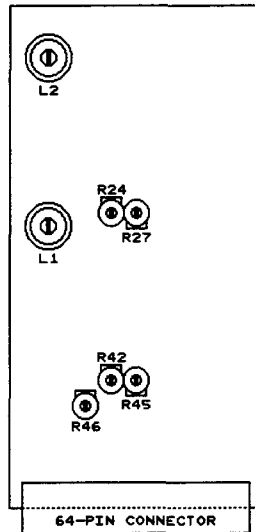
DESIGN	LAB		REV.
DRAWN	WESCHHOOR	21-08-92	PAGE
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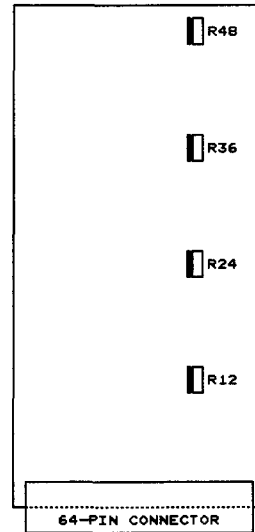
AMPLIFIER CARD			
DESIGN	LAB		REV.
DRAWN	VERSCHOOR	21-08-92	PAGE
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GENERATOR CARD
(COMPONENT-SIDE VIEW)



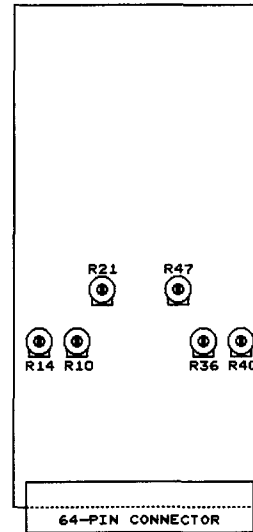
L1 = TUNING SWELL
 L2 = TUNING GREAT
 R24 = TREMULANT SPEED GREAT
 R27 = TREMULANT DEPTH GREAT
 R42 = TREMULANT SPEED SHELL
 R45 = TREMULANT DEPTH SHELL
 R46 = INTENSITY CHORUS EFFECT

VOICE CARD
(COMPONENT-SIDE VIEW)



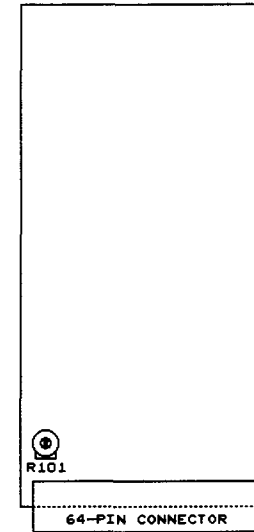
R12 = DC-OFFSET VOICE D
 (DISTORSION VOICE D)
 R24 = DC-OFFSET VOICE C
 (DISTORSION VOICE C)
 R36 = DC-OFFSET VOICE B
 (DISTORSION VOICE B)
 R48 = DC-OFFSET VOICE A
 (DISTORSION VOICE A)
 NOTE: R12-R24-R36-R48 ARE NOT
 FOR CHANGING VOLUMES!!
 TURNING THESE POTENTIOMETERS
 WILL GIVE DISTORSION!!

AMPLIFIER CARD
(COMPONENT-SIDE VIEW)



R10 = BASS LEFT AMPLIFIER
 R14 = TREBLE LEFT AMPLIFIER
 R21 = VOLUME LEFT AMPLIFIER
 R36 = BASS RIGHT AMPLIFIER
 R40 = TREBLE RIGHT AMPLIFIER
 R47 = VOLUME RIGHT AMPLIFIER

OTA CARD
(COMPONENT-SIDE VIEW)



R101 = INPUT AMPLITUDE ECHO