

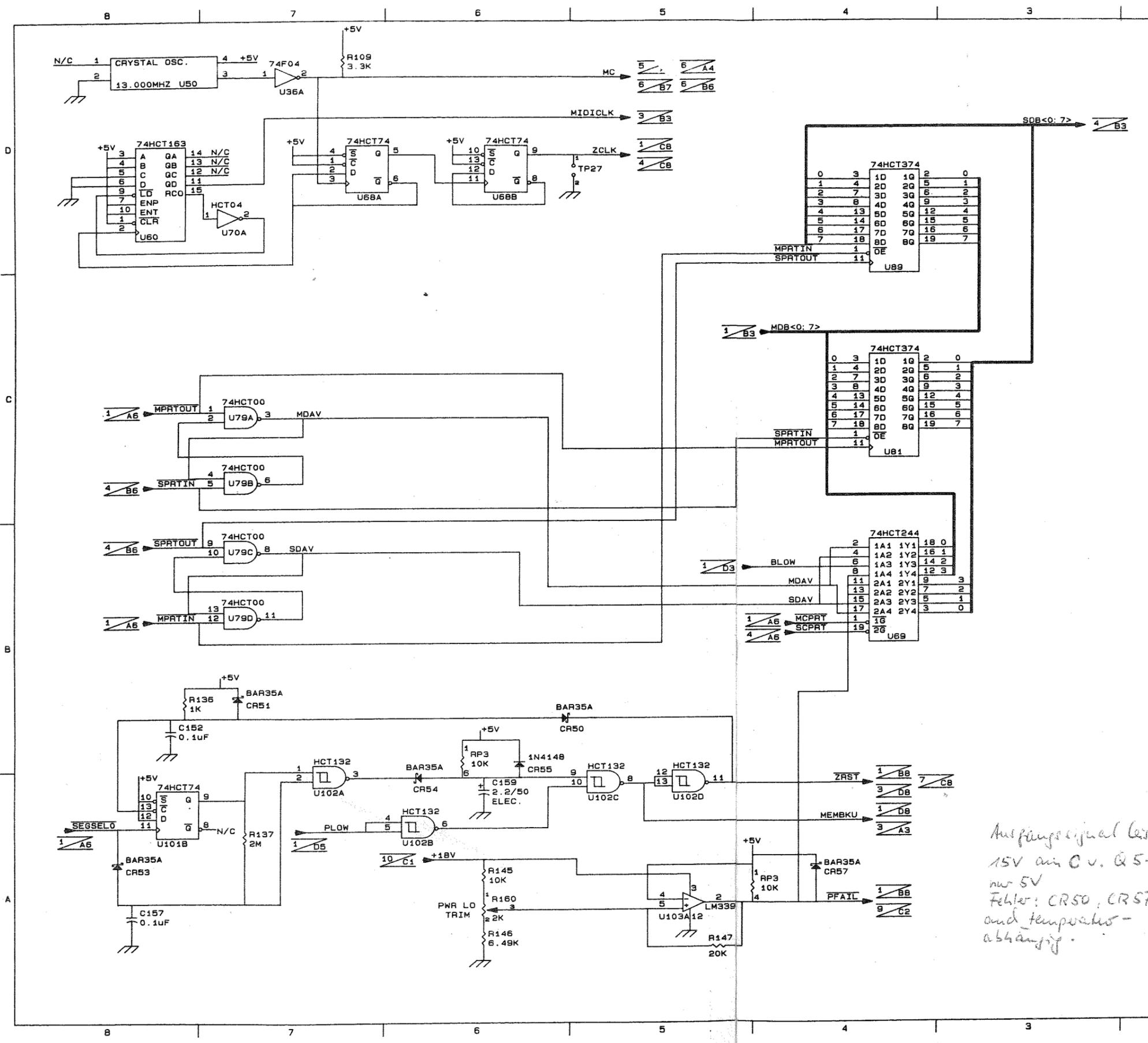
Fehler: aufklappen
 des Segments, abwechselnd
 in allen digitalen
 das Boot warte -
 wartet... → U59

REVISIONS		
DESCRIPTION	DATE	APPROVED
RELEASE FOR PROTOTYPE	3/19/85	DHS
RELEASE FOR PRODUCTION	5/24/85	
CHANGED U62 FROM 2764 TO 27256 AND CONNECTED PINS 2 AND 3 OF W13. ALSO UPDATED DOCUMENT CONTROL BLOCK PER ECO NUMBER 850216-00	7/18/85 AV	CA 8/27/85
ADDED BATTERY VOLTAGE AND ANALOG POWER GROUND TO NOTES. CHANGED VALUES OF R154 AND C71. UPDATED DOCUMENT CONTROL BLOCK PER ECO 850819-00	8/23/85 DHS	JZ 8/27/85
UPDATED DOCUMENT CONTROL BLOCK, SHEETS 1-3, 5-9 PER ECO 850925-00	10/8/85 DHS	JZ 10/8/85
UPDATED DOCUMENT CONTROL BLOCK PER ECO #851107-00	11/11/85 DHS	JZ 11/11/85
UPDATED DOCUMENT CONTROL BLOCK, SHEET 9, PER ECO # 851219-00	12/1/85 DHS	JZ 12/1/85

- NOTES
- UNLESS OTHERWISE INDICATED, RESISTORS ARE 5%, 1/4W.
 - UNLESS OTHERWISE INDICATED, CAPACITORS ARE 50V.
 - UNLESS OTHERWISE INDICATED, DIODES ARE IN4148.
 - ANALOG GROUND, DIGITAL GROUND, CHASSIS GROUND, ANALOG PWR GND.
 - 1 DENOTES SHEET NUMBER AND A2 INTERSECT COORDINATE.
 - ON BOARD CONNECTION-TO, ON BOARD CONNECTION-FROM, SOLDER CONNECTION.

DOCUMENT CONTROL BLOCK: #060-04146	
SHEET NUMBER	REVISION NUMBER
1 OF 10	6
2 OF 10	3
3 OF 10	3
4 OF 10	3
5 OF 10	3
6 OF 10	3
7 OF 10	2
8 OF 10	3
9 OF 10	4
10 OF 10	3

CONTRACT NO.		LEXICON INC.	
80 TURNER ST., WALTHAM MA. 02157		TITLE	
SCHEMATIC, MOTHERBOARD, MASTER PROCESSOR, M70		DATE	
APPROVALS	3/85	SIZE	CODE NUMBER
DRAWN PF	1/85	D	060-04146
CHECKED JZ	1/85	REV	6
ISSUED DHS	1/85	SHEET 1 OF 10	

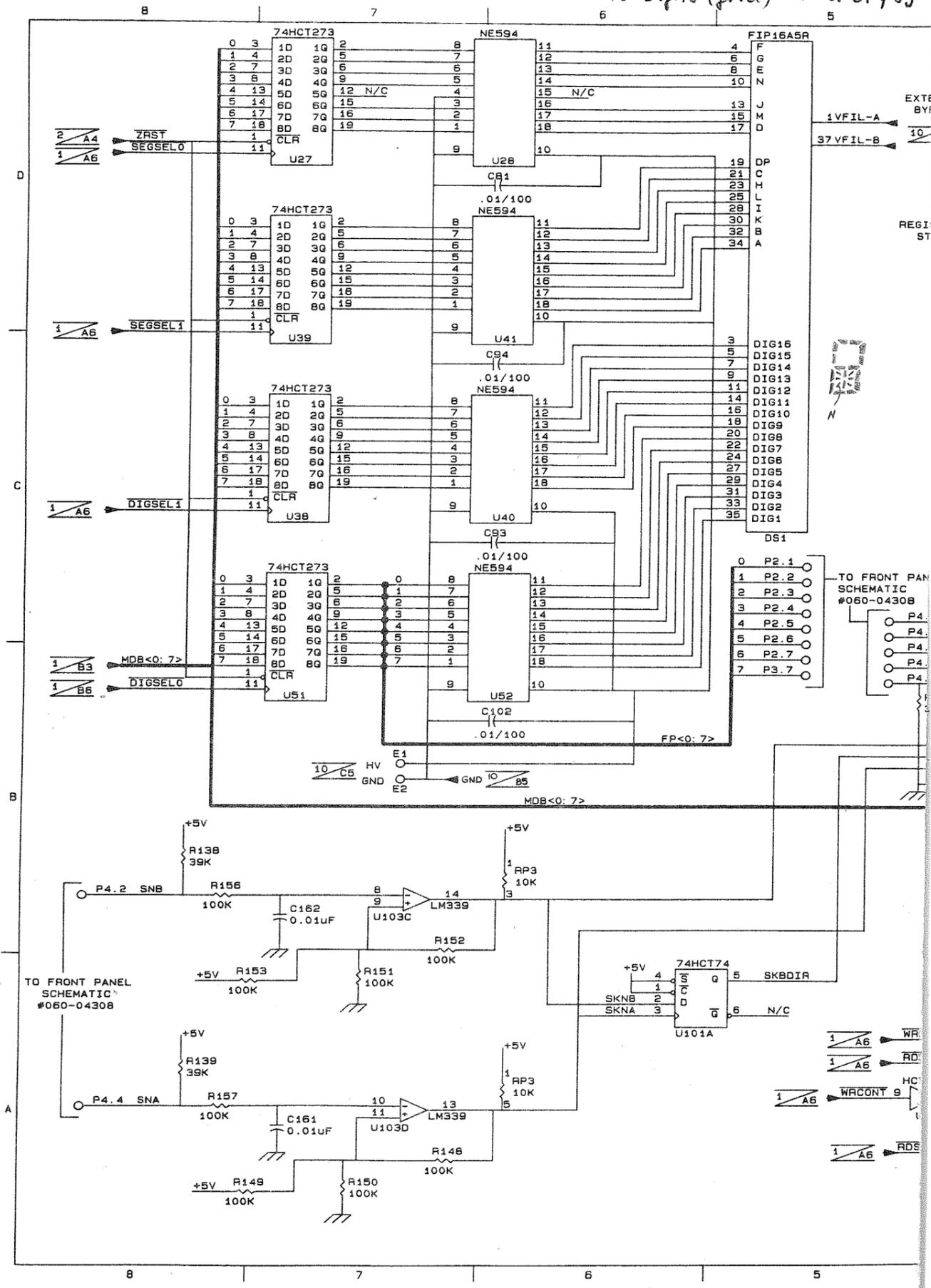


Ausgangssignal here
15V am C.V. Q5 →
nur 5V
Fehler: CR50, CR57
and temperatur-
abhängig.

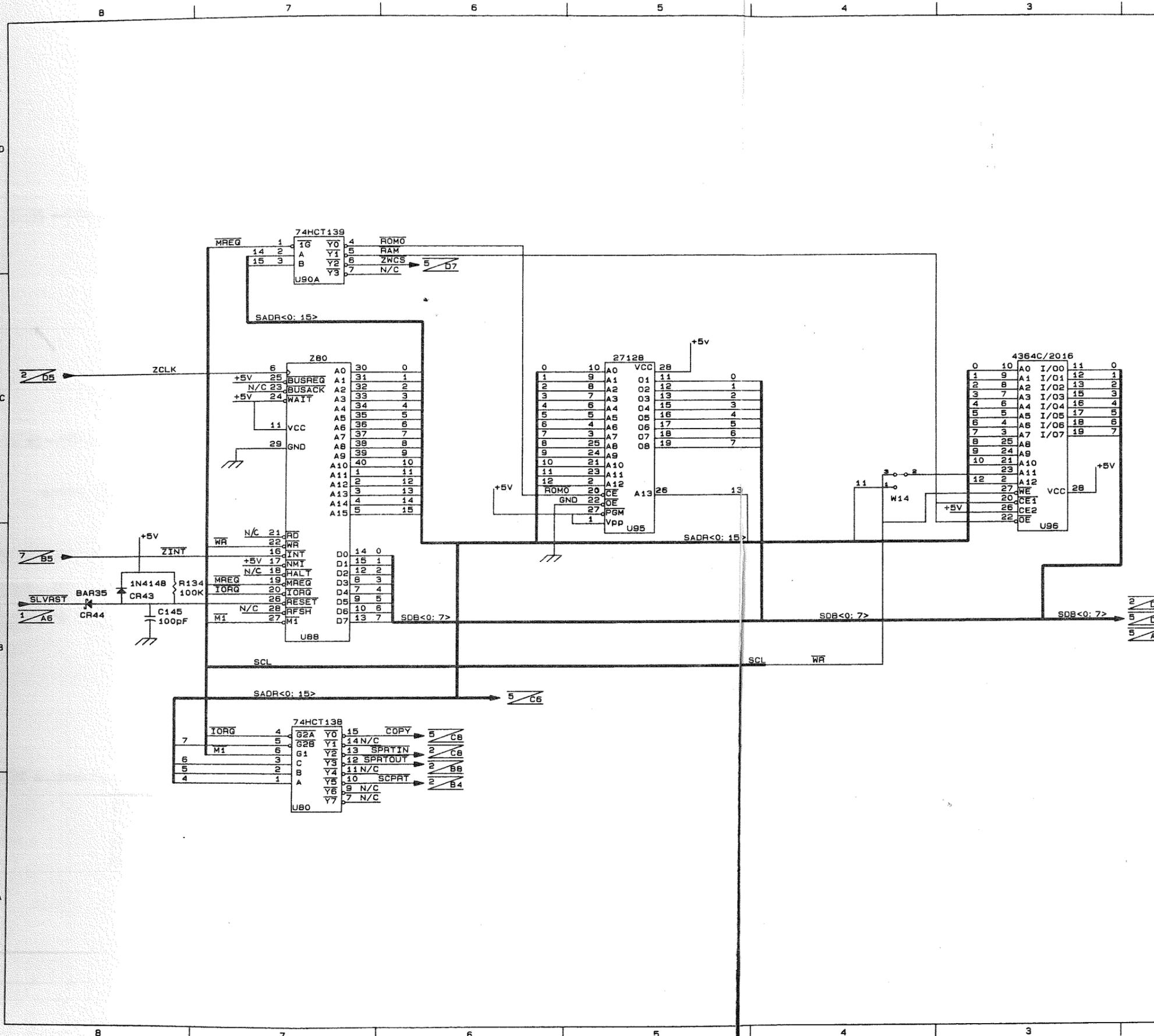
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
0	RELEASE FOR PROTOTYPE	3/19/85	DHS
1	RELEASE FOR PRODUCTION	5/24/85	DHS
2	CHANGED VALUES OF C157 AND C159 PER ECO 850819-00	DWN AV 5/24/85	JZ 5/27/85
3	CHANGED VALUES OF R146 AND R147, ADDED DIODE CR57, PFAIL SIGNAL TO U69 PINS 8, 11, 13 AND R150 TO REV. 2 AND UP PCB'S ONLY PER ECO 850925-00	DWN 10/8/85	JZ 10/18/85

CONTRACT NO.	LEXICON INC.		
APPROVALS	DATE	TITLE	60 TURNER ST., WALTHAM MA. 02157
DRAWN PF	3/85	SCHEMATIC, MOTHERBOARD, MASTER PROCESSOR I/O, M70	
CHECKED JZ	7/85	SIZE CODE NUMBER	REV
ISSUED DHS	7/85	D	060-04146 3
SHEET 2 OF 10			

Fehler: einzelne Segmente fallen
bei allen 16 Digits (prici) → U 27, 38

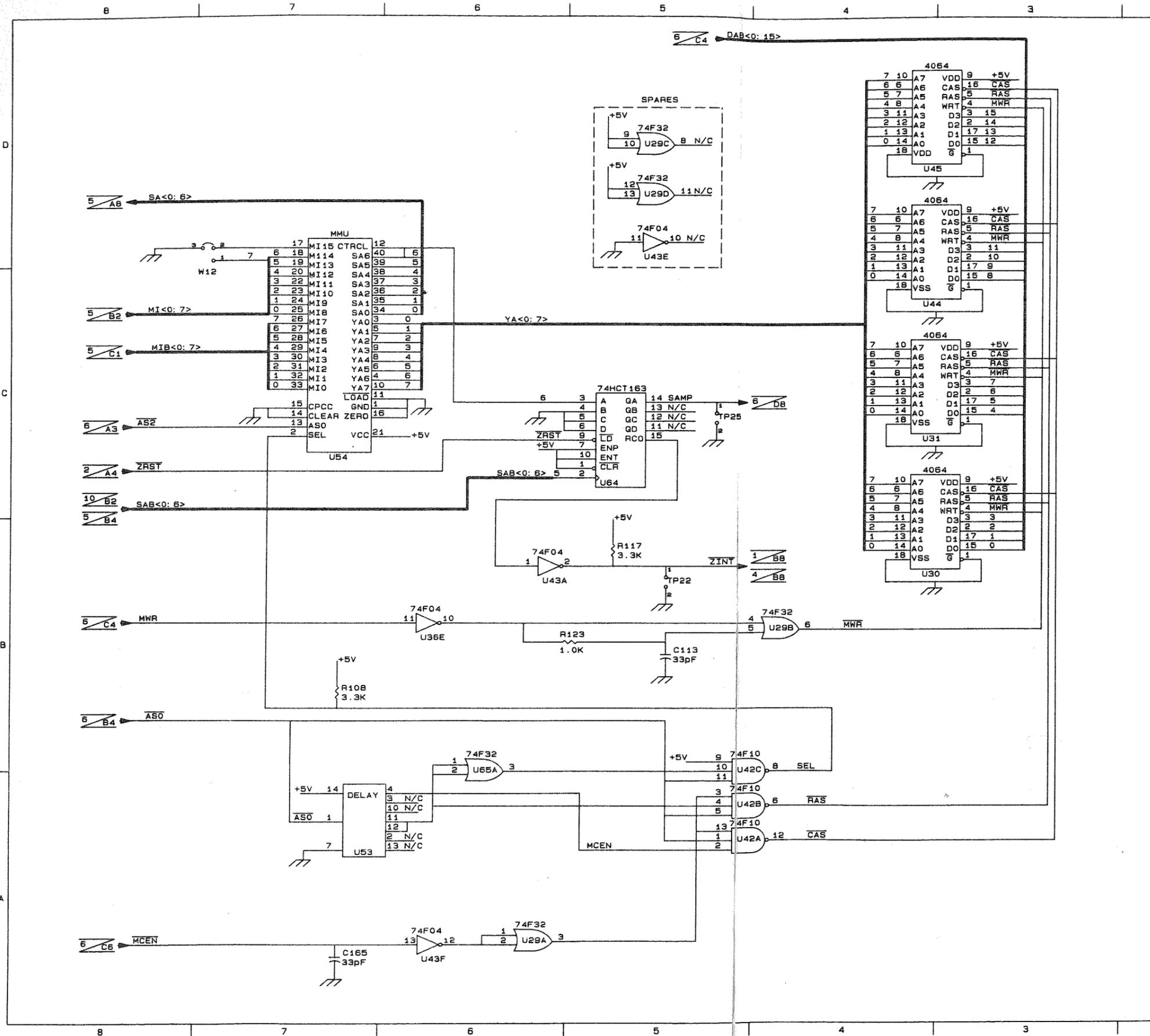


Dieser Teil ist verlorengegangen



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
0	RELEASE FOR PROTOTYPE	3/19/85	DHS
1	RELEASE FOR PRODUCTION	5/28/85	DHS
2	CHANGED U95 FROM 2764 TO 27128 PER ECO NUMBER 850716-00	7/18/85	CA DHS 7/28/85 DHS 7/29/85
3	ADDED PIN 28 TO U96 AND CONNECTED PINS 2 AND 3 OF W14 PER ECO 850819-00	8/23/85	DWN AV 8/23/85 DHS 8/28/85 DHS 8/28/85

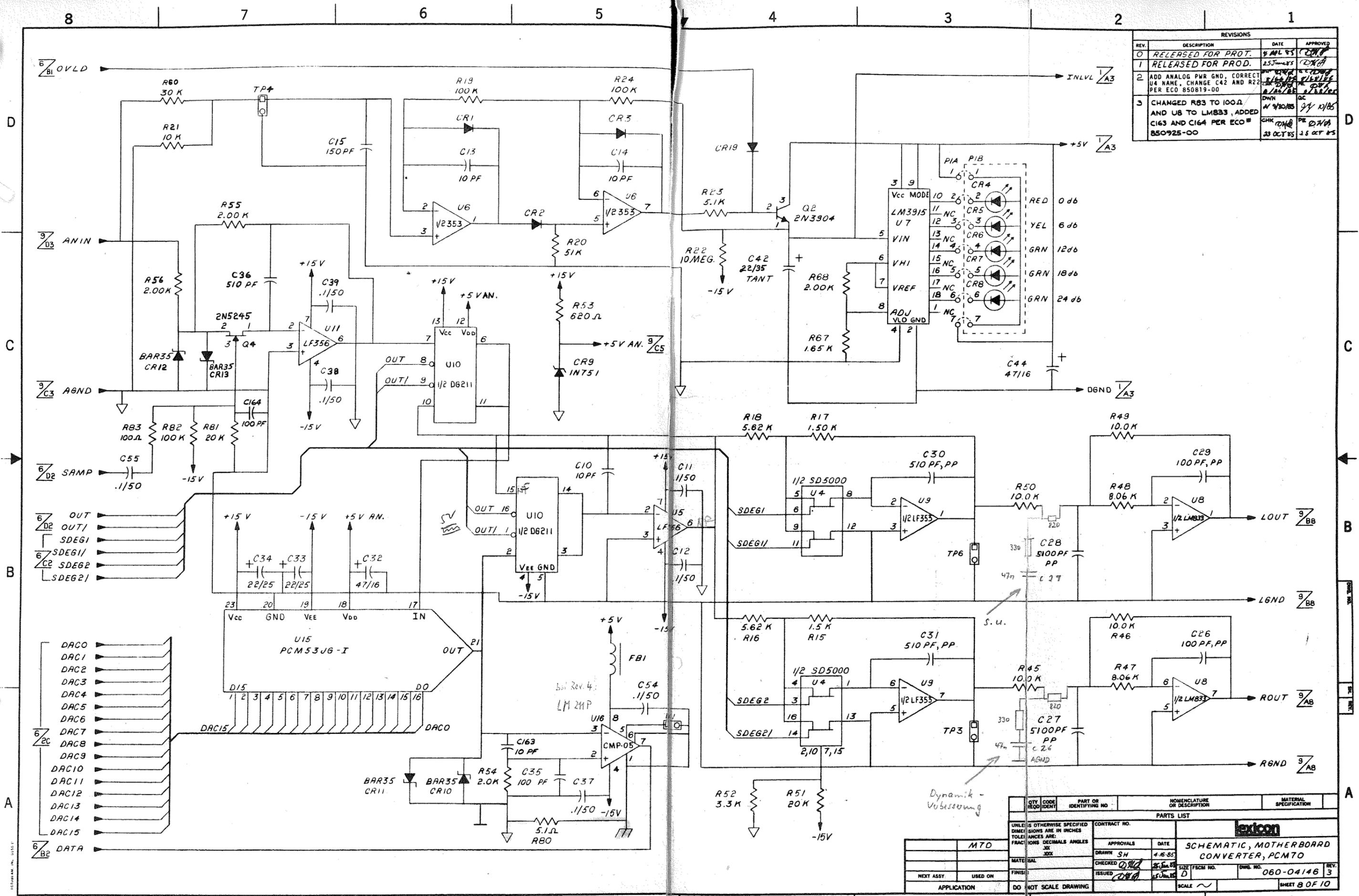
CONTRACT NO.		LEXICON INC.	
		60 TURNER ST., WALTHAM MA. 02157	
APPROVALS	DATE	TITLE	
PF	3/85	SCHEMATIC, MOTHERBOARD, SLAVE PROCESSOR, M70	
CHECKED	7/85	SIZE	CODE NUMBER
ISSUED	2/85	D	060-04146
		REV 3	
SHEET 4 OF 10			



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
0	RELEASE FOR PROTOTYPE	3/19/85	DHS
1	RELEASE FOR PRODUCTION	6/28/85 JMZ 6/24/85	DHS 6/25/85
2	REDRAWN WITH CHANGES. DELETED U32, U33, U46, U47, W10 AND W11. CHANGED U30, U31, U44 AND U45 TO 4064, ADDED C165 AND SPARES PER ECO NUMBER 850925-00	10/8/85 DHS 23 OCT 85	DHS 10/8/85 25 OCT 85

CONTRACT NO.		LEXICON INC.	
		60 TURNER ST., WALTHAM MA. 02157	
APPROVALS	DATE	TITLE	
	3/85	SCHEMATIC, MOTHERBOARD.	
DRAWN PF		HIGH SPEED PROCESSOR-MMU, M70	
CHECKED JZ	7/85	SIZE	CODE NUMBER
ISSUED DHS	7/85	D	060-04146
		REV 2	
SHEET 7 OF 10			

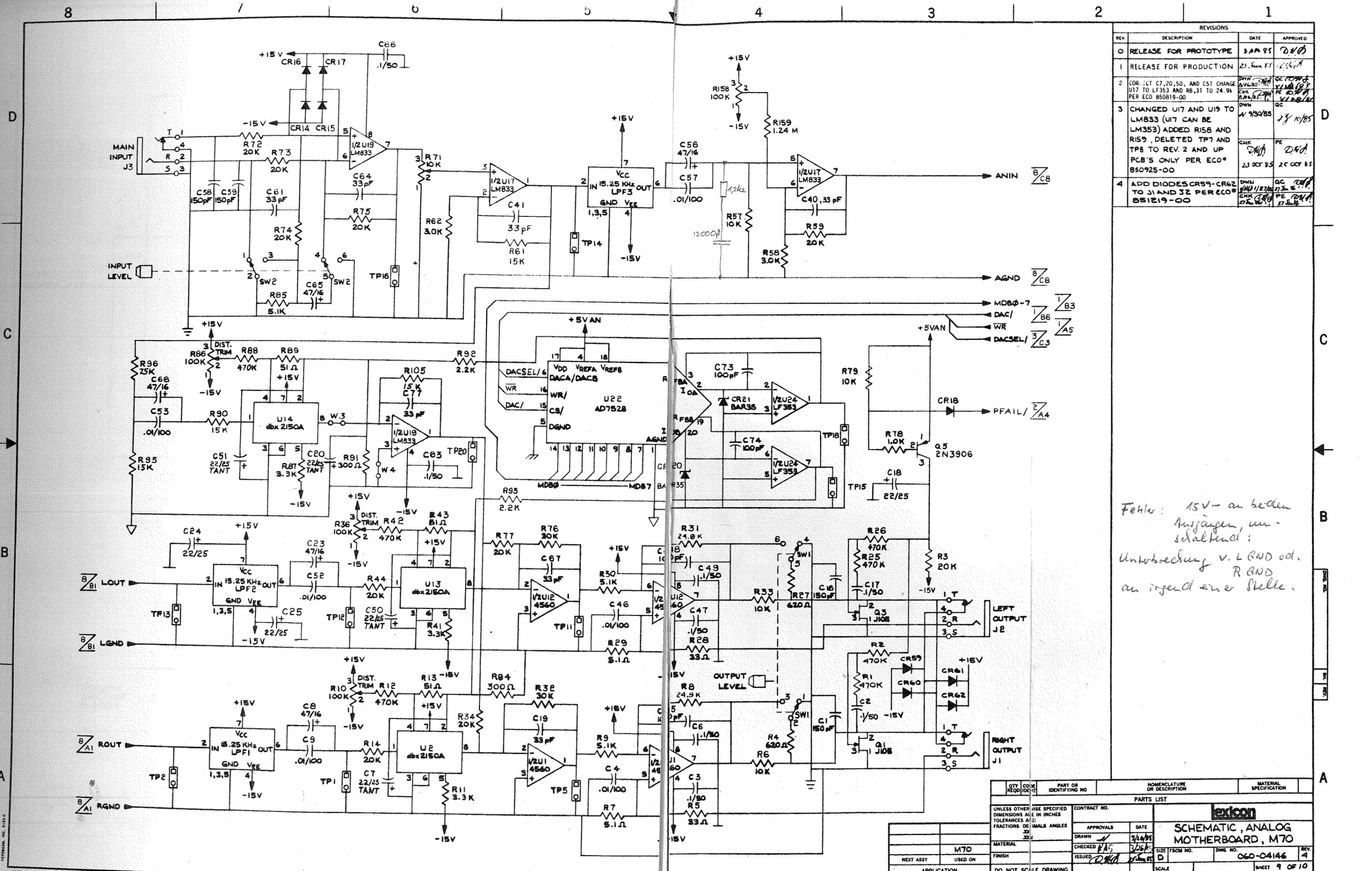
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
0	RELEASED FOR PROT.	5 APR 85	CMH
1	RELEASED FOR PROD.	25 JUN 85	CMH
2	ADD ANALOG PWR GND, CORRECT U4 NAME, CHANGE C42 AND R22 PER ECO 850819-00	21/08/85	CMH
3	CHANGED R83 TO 100Ω AND U8 TO LM833, ADDED C163 AND C164 PER ECO 850925-00	23 OCT 85	CMH



QTY	CODE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	MATERIAL SPECIFICATION
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES				
CONTRACT NO.		APPROVALS		
DATE		DATE		
DRAWN SH		DATE		
CHECKED CMH		DATE		
ISSUED CMH		DATE		
SIZE FROM NO.		DWG. NO.		
DO NOT SCALE DRAWING		SCALE		

MTD	SCHEMATIC, MOTHERBOARD CONVERTER, PCM70
060-04146	REV. 3
060-04146	SHEET 8 OF 10

92231-038



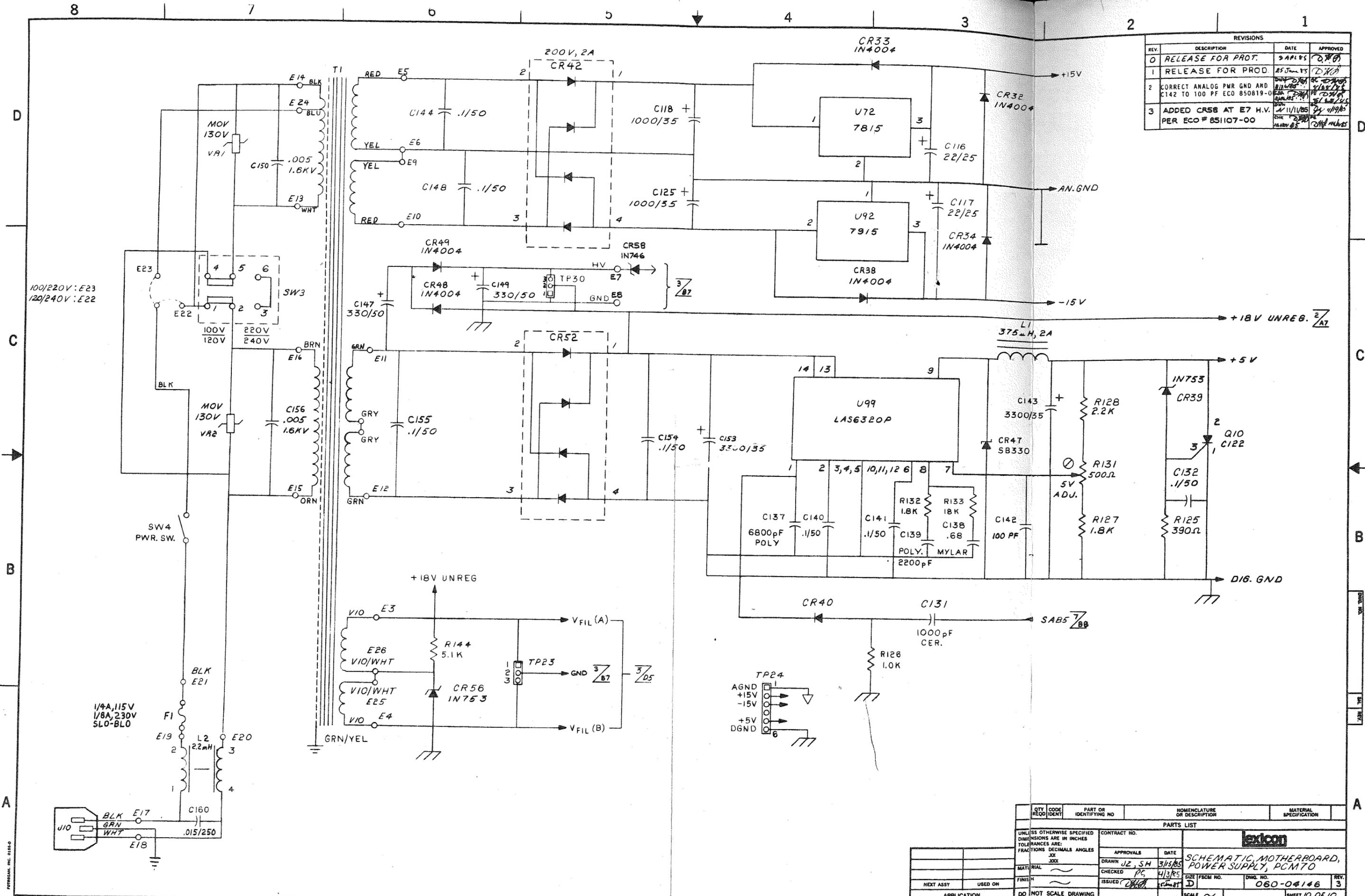
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
0	RELEASE FOR PROTOTYPE	3 APR 85	D.W.B.
1	RELEASE FOR PRODUCTION	25 JUN 85	D.W.B.
2	CORRECT C7, 20, 50, AND C51 CHANGE U17 TO LF353 AND R8, 31 TO 24.9K PER ECO 850819-00	D.W.B. 25 JUN 85 D.W.B. 25 JUN 85	QC [initials] PE [initials]
3	CHANGED U17 AND U19 TO LM333 (U17 CAN BE LM353) ADDED R158 AND R159, DELETED TP7 AND TP8 TO REV. 2 AND UP PCB'S ONLY PER ECO 850925-00	D.W.B. 14 JUL 85 D.W.B. 14 JUL 85	QC [initials] PE [initials]
4	ADD DIODES CR59-CR62 TO J1 AND J2 PER ECO 851219-00	D.W.B. 14 JUL 85 D.W.B. 14 JUL 85	QC [initials] PE [initials]

Fehler: 15V an beiden Ausgängen, un-schalbar!
Umkehrung v. LGND od. R GND an irgend einer Stelle.

QTY	CODE	PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION	MATERIAL SPECIFICATION
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE FRACTIONS OF 100 UNLESS ANGLES				
CONTRACT NO.		APPROVALS		
DRAWN		DATE		MATERIAL
CHECKED		ISSUED		FINISH
NEXT ASSY		USED ON		APPLICATION
DO NOT SCALE DRAWING		SCALE		SHEET 9 OF 10

lexicon
SCHEMATIC, ANALOG MOTHERBOARD, M70

DWG. NO. 060-04146
REV. 4



REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
0	RELEASE FOR PROT.	9 APR 85	D. H. B.
1	RELEASE FOR PROD.	25 JUN 85	D. H. B.
2	CORRECT ANALOG PWR GND AND C142 TO 100 PF ECO 850819-0	11/11/85	PC
3	ADDED CR38 AT E7 H.V. PER ECO # 851107-00	11/11/85	PC

QTY	CODE	PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION	MATERIAL SPECIFICATION
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES				
CONTRACT NO.				
APPROVALS				
DATE				
DRAWN JZ, SH 3/15/85				
CHECKED PC 4/3/85				
ISSUED [Signature] 5/24/85				
SIZE D				
DWG. NO. 060-04146				
REV. 3				
APPLICATION DO NOT SCALE DRAWING				
SCALE ~				
SHEET 10 OF 10				

FORBANK, INC. 0155-0

SHEET NO. 10 OF 10

8

7

6

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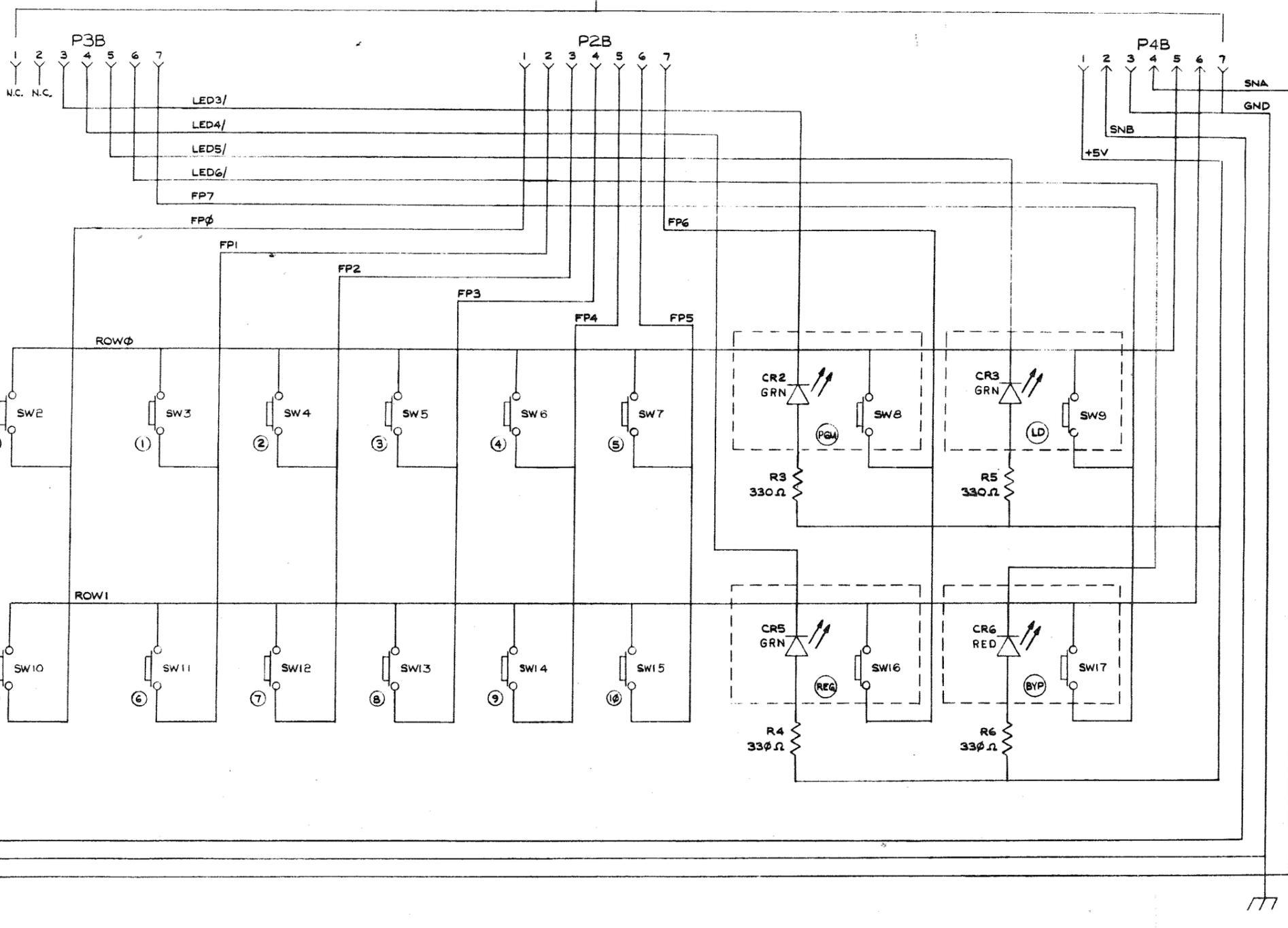
4

3

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1

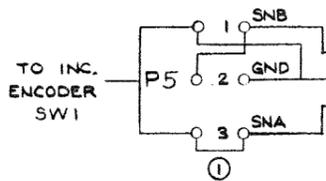
FROM MOTHER BOARD
SCHEMATIC #060-04146



REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
0	RELEASE FOR PROTOTYPE	9 APR 85	<i>[Signature]</i>
1	RELEASE FOR PRODUCTION	2 JUN 85	<i>[Signature]</i>
2	DELETED CR1, CR4, R1, AND R2, TO BE OPTIONAL, ALSO SWITCHED P2B AND P3B DESIGNATIONS, PER ECO #850724-00	7/29/85	<i>[Signature]</i> 1 AUG 85
3	DELETED NOTE 1 AND FIXED SW16 AND SW17 PER ECO #850819-00	8/20/85	<i>[Signature]</i> 9/2/85

NOTES

- ① LEFT 3 PADS ARE FOR PANASONIC ENCODER AND RIGHT 3 PADS ARE FOR ALPS ENCODER.



QTY	CODE	PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION	MATERIAL SPECIFICATION
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES .XX .XXX .XX		CONTRACT NO. lexicon		
APPROVALS		DATE		
DRAWN <i>[Signature]</i>		3/2/85		
CHECKED <i>[Signature]</i>		3/22/85		
ISSUED <i>[Signature]</i>		7/2/85		
MATERIAL		SIZE FSCM NO. DWG. NO. 060-04308 3		
NEXT ASSY USED ON		SCALE		
APPLICATION		DO NOT SCALE DRAWING		

FOOTPRINT INC. 01552

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7

6

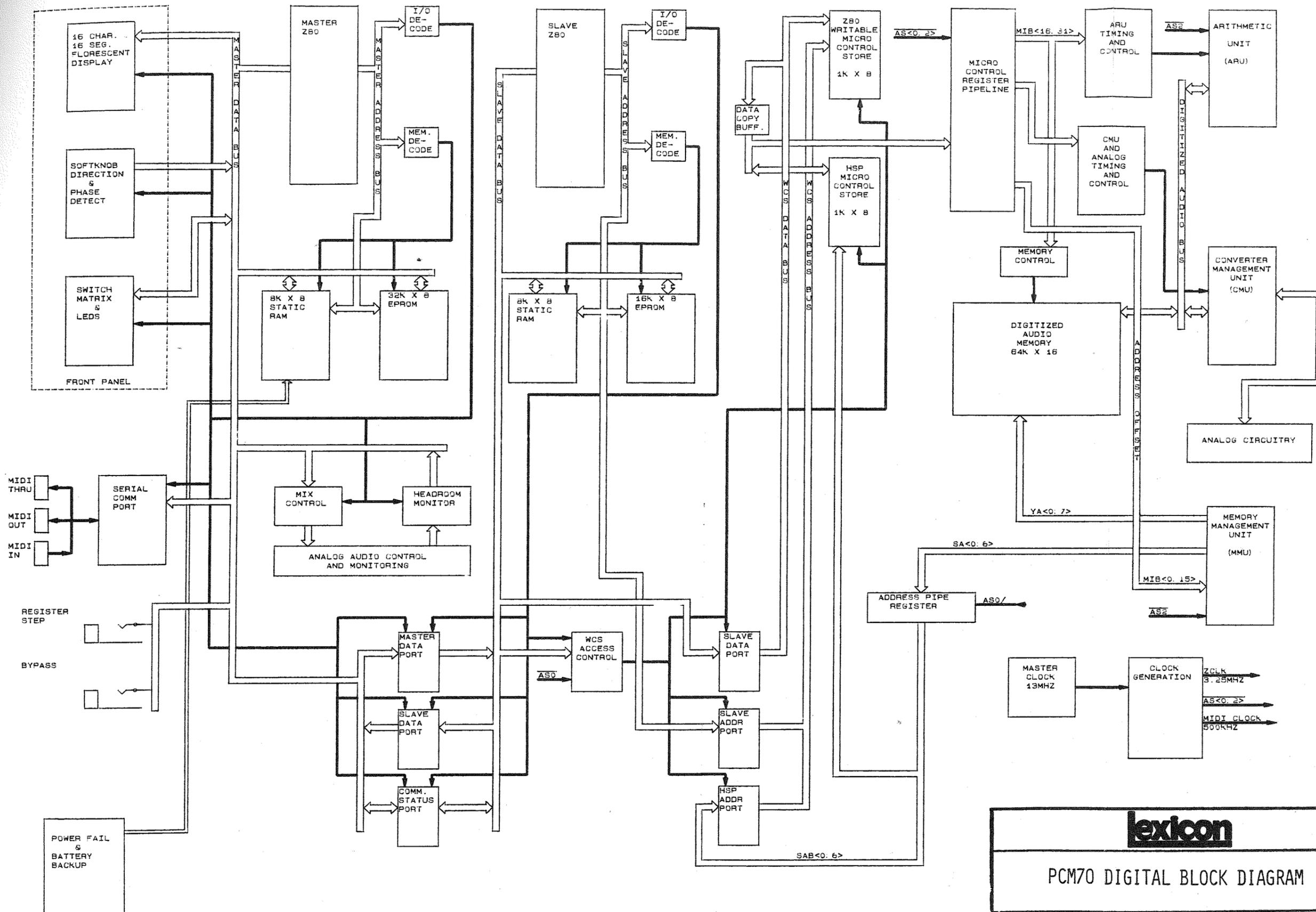
5

4

3

2

1



lexicon
PCM70 DIGITAL BLOCK DIAGRAM