

GENERAL NOTES

PART NO.	DESCRIPTION	ADD P/N
31800892	CR M PCB523 8 BIT CPU	EPROM PRGM 2 AX MILL
31800990	CR M PCB523 8 BIT CPU	SFTWR #31800976
31801020	CR M PCB523 8 BIT CPU	EPROM PRGM 3 AX MILL
	LATHE SOFTWARE	SFTWR #31800993
		EPROM PRGM LATHE
		SFTWR #31801023

PART NO.	DESCRIPTION	ADD
31800947	2K MEMORY KIT, PC 523	2x 29U 8KX8
31800948	3K MEMORY KIT, PC 523	2x 29U 8KX8
		2x 36U 8KX8
		NON-VOL.

A	3.8.90	ECN90-020 ADDED .01 CAP	ERD
REV.	DATE	DWG NO. WAS D000403	BY
		DESCRIPTION	

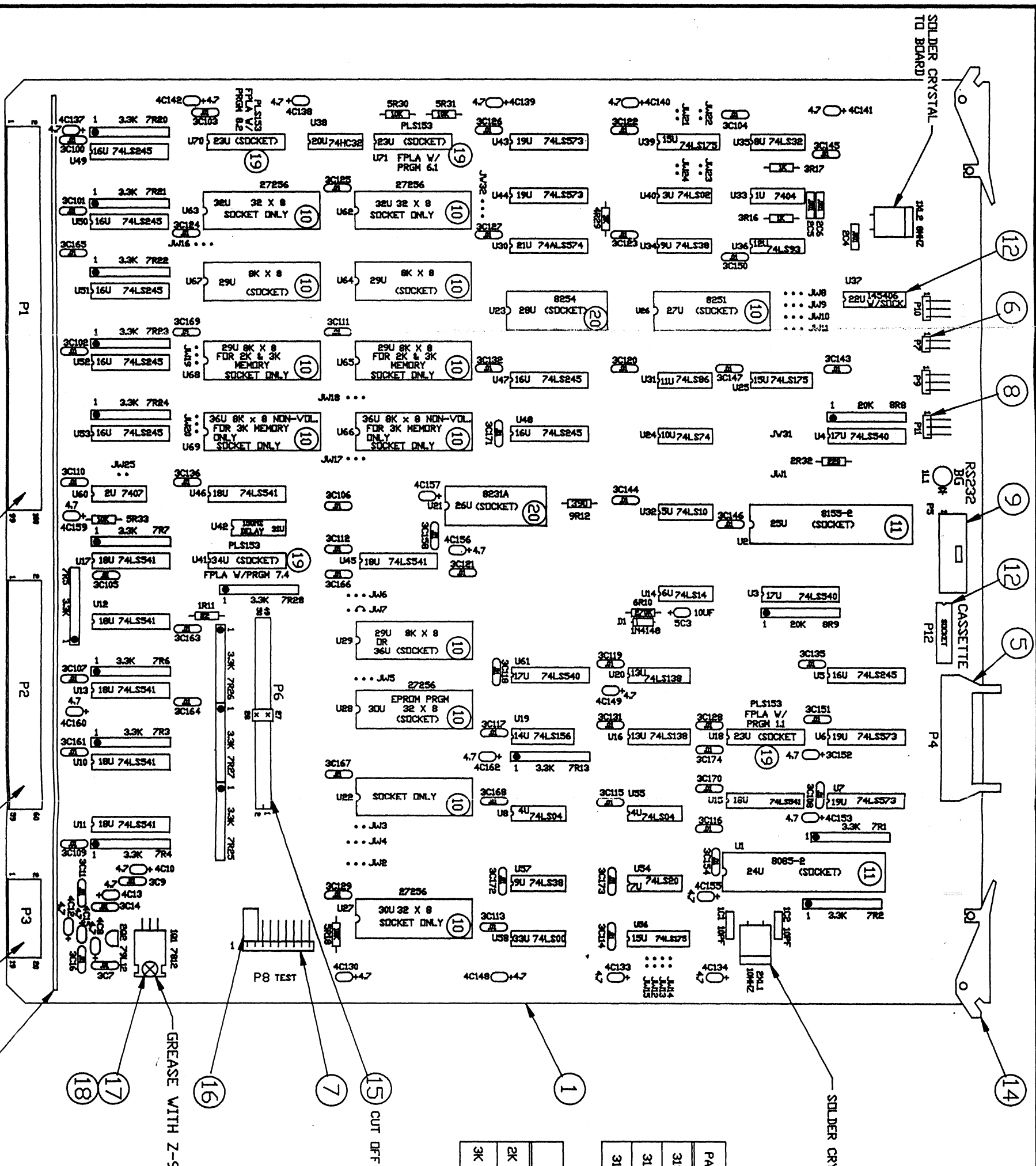


ANILAM ELECTRONICS
MIAMI, FLORIDA MILTON KEYNES
U.S.A. ENGLAND

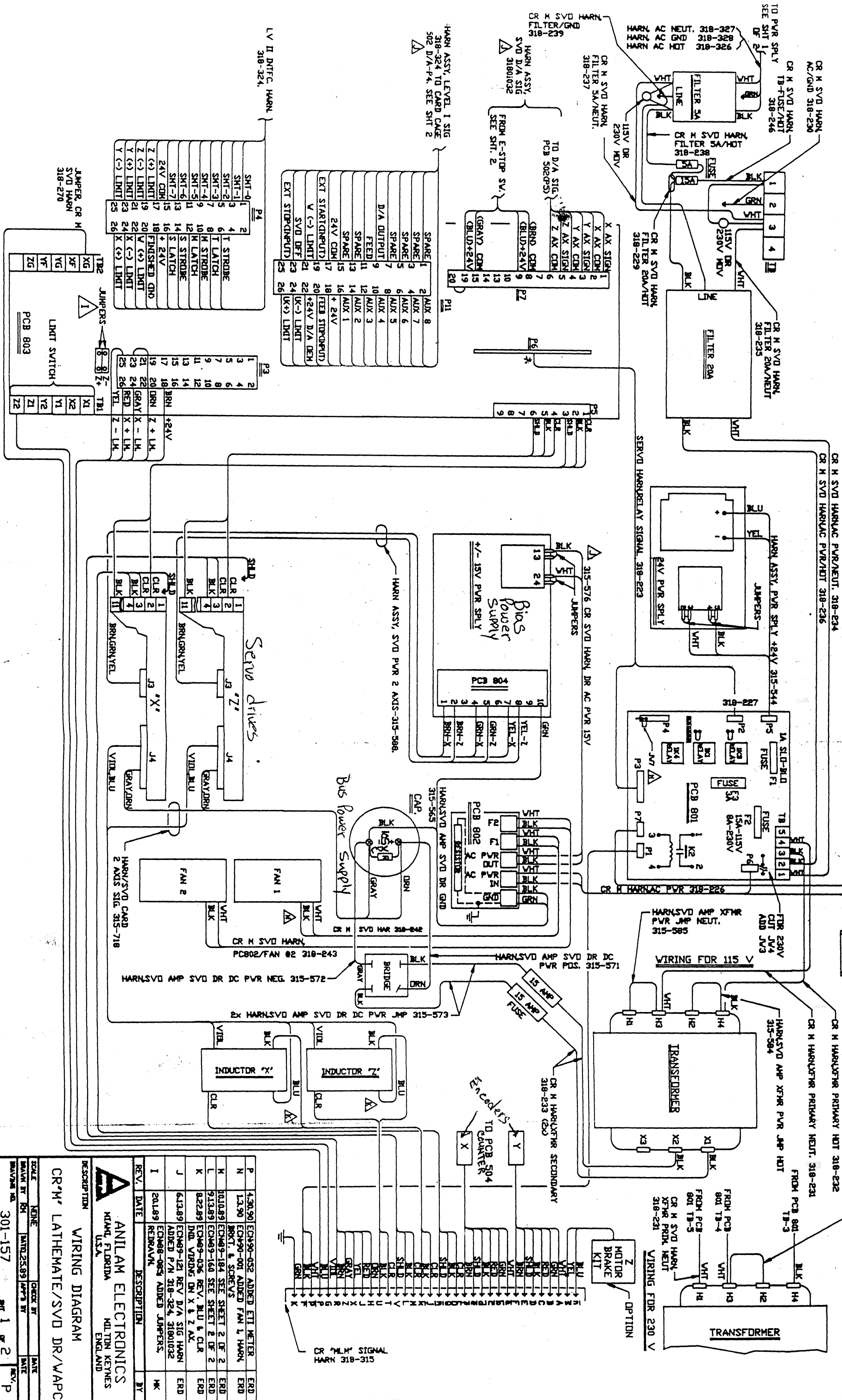
ASSEMBLY PC523

8 BIT CPU, CR, "M"

SCALE	NONE	CHECK BY	DATE
DRAWN BY	RM	DATE 3.1.89	APP'D BY
DRAWING NO.	31801085	SHT 1 OF 1	REV. A



✓ HARBNSVD APP XTNR PVR JAP NEUT.
315-585



SCALE	UNITS	CHECK BY	DATE
DRAWN BY	FOR	BUILT	DATE
301-157	REV. P		

REV.	DATE	DESCRIPTION	BY
1	20.1.89	ECHW8-005 ADDED JUMPER. REDAWN.	HK
J	6.1.89	ECHW8-121 REV D/A SIG HARN ADDED P/N 318-324 31801032	ERD
K	8.2.89	ECHW8-036 SEE REV. BUU & CLR DND. WIRING ON X & Z AX.	ERD
L	9.1.89	ECHW8-104 SEE SHEET 2 OF 2	ERD
M	10.0.89	ECHW8-184 SEE SHEET 2 OF 2	ERD
N	13.90	ECHW9-001 ADDED FAN 1, HARN, BRCI. & SCREWS	ERD
P	14.30.90	ECHW9-052 ADDED ETI METER	ERD



ANILAM ELECTRONICS
MILTON FLORIDA
USA

MILTON KENNES
ENGLAND

DESCRIPTION
WIRING DIAGRAM

CR'M	LATHEMATE/SVD DR/WAPCC
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ANILAM ELECTRONICS
MIAMI, FLORIDA
U. S. A.

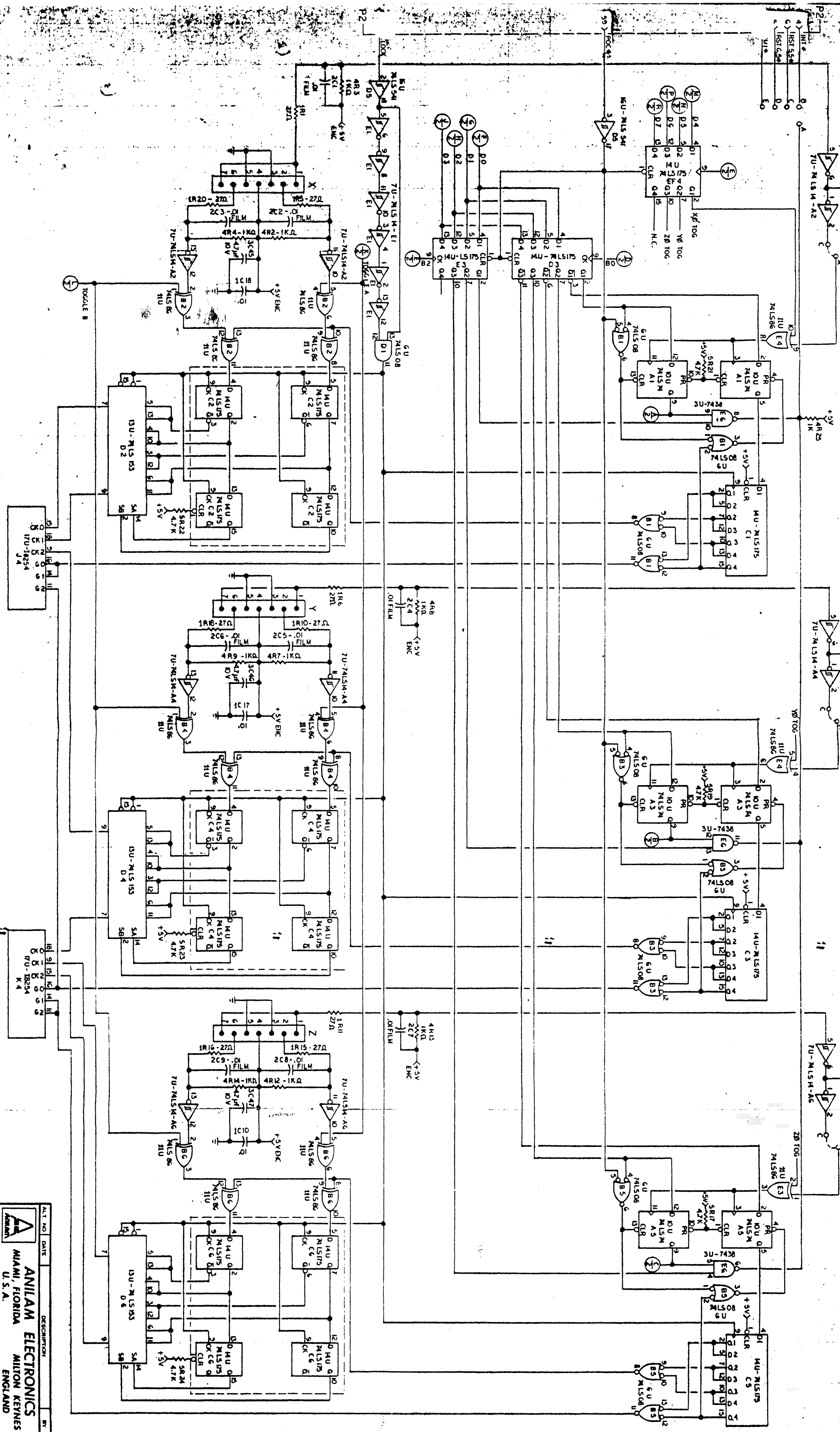
MILTON KEYNES
ENGLAND

PCB-50A

HIGH SPEED COUNTER BOARD

SCALE	NONE	CHECK BY	DATE
DRAWN BY	HK	APPROVED BY	S
DATE	22.8.84	DATE	7/2/85
PART NO	DRAWING: NIN		
	1 A15 15		

GENERAL NOTES



	ALT. NO.	DATE	DESCRIPTION	BY
	ANILAM ELECTRONICS MIAMI, FLORIDA U. S. A. MILTON KEYNES ENGLAND			

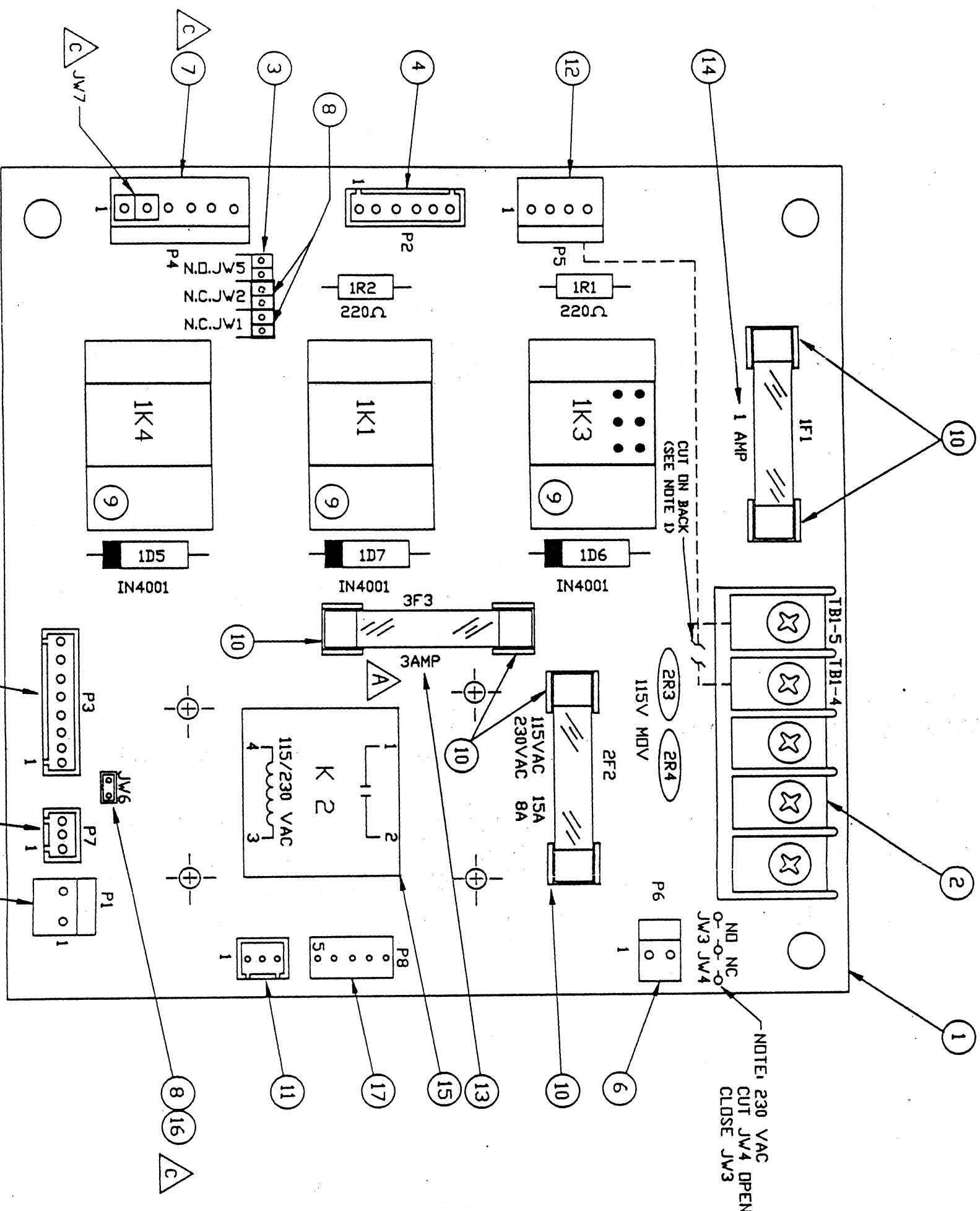
PCB-504

HIGH SPEED COUNTER BOARD

HIGH SPEED COUNTER BOARD	
SCALE ABOVE	CHECK BY
DRAWN BY HK	DATE
DATE 12-26-58	APPROVED BY C.S.
DRAWING NO.	SHEET NO.

GENERAL NOTES

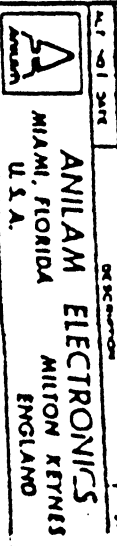
1. FOR 230 V, CUT TRACE ON BACK OF BOARD.
2. FOR CRUSADER II SERVO AMP. MILL PACKAGES - DEH STYLE JUMPER - JW1.
3. FOR CRUSADER II OLD STANDARD STYLE MILL PACKAGES JUMPER - JW2 & JW5.
4. FOR CRUSADER II LATHE STYLE JUMPER - JW6 & JW7.
5. FOR CRUSADER 'M' & 'G' MILL JUMPER - JW1 & JW2.
6. FOR CRUSADER 'M' & 'G' LATHE JUMPER - JW7.



UNLESS OTHERWISE SPECIFIED
 1/X ±1/64
 XX ±.010
 XXX ±.005
 XXXX ±.0005
 CONCENTRICITY .004 TIR
 REMOVE ALL SHARP EDGES AND
 BURRS. ALL DIMENSIONS IN
 INCHES. DO NOT SCALE THIS
 DRAWING.

DESCRIPTION	ANILAM ELECTRONICS MIAMI, FLORIDA MILTON KEYNES U.S.A.	
ASSEMBLY PCB 801	SERVO RELAY CR 'MLM'	
SCALE	21	CHECK BY
DRAWN BY	RM	DATE 21.89
DRAWING NO.	315-321	SHT 1 OF 1
REV. C		
REV. A	1.9.87	ECN87-004 PART #760-077
REV. B	4.17.87	ECN87-044 REVISED
REV. C	1.17.89	ECN88-113 STANDARDIZE BOARD FOR ALL CONFIGURATIONS, REDRAWN.

RELAY: 11

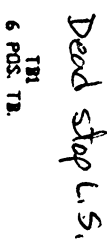


PCB 801-CRUS 'MLM'

SERVO CIRCUIT BOARD

SCALE 100%	CHARGE	DATE
CHARGE BY KRM	INVESTED BY	DATE
315-321	2CF2	1/57

1) CONNECT '2' JUMPERS FOR CR. II LATHE.

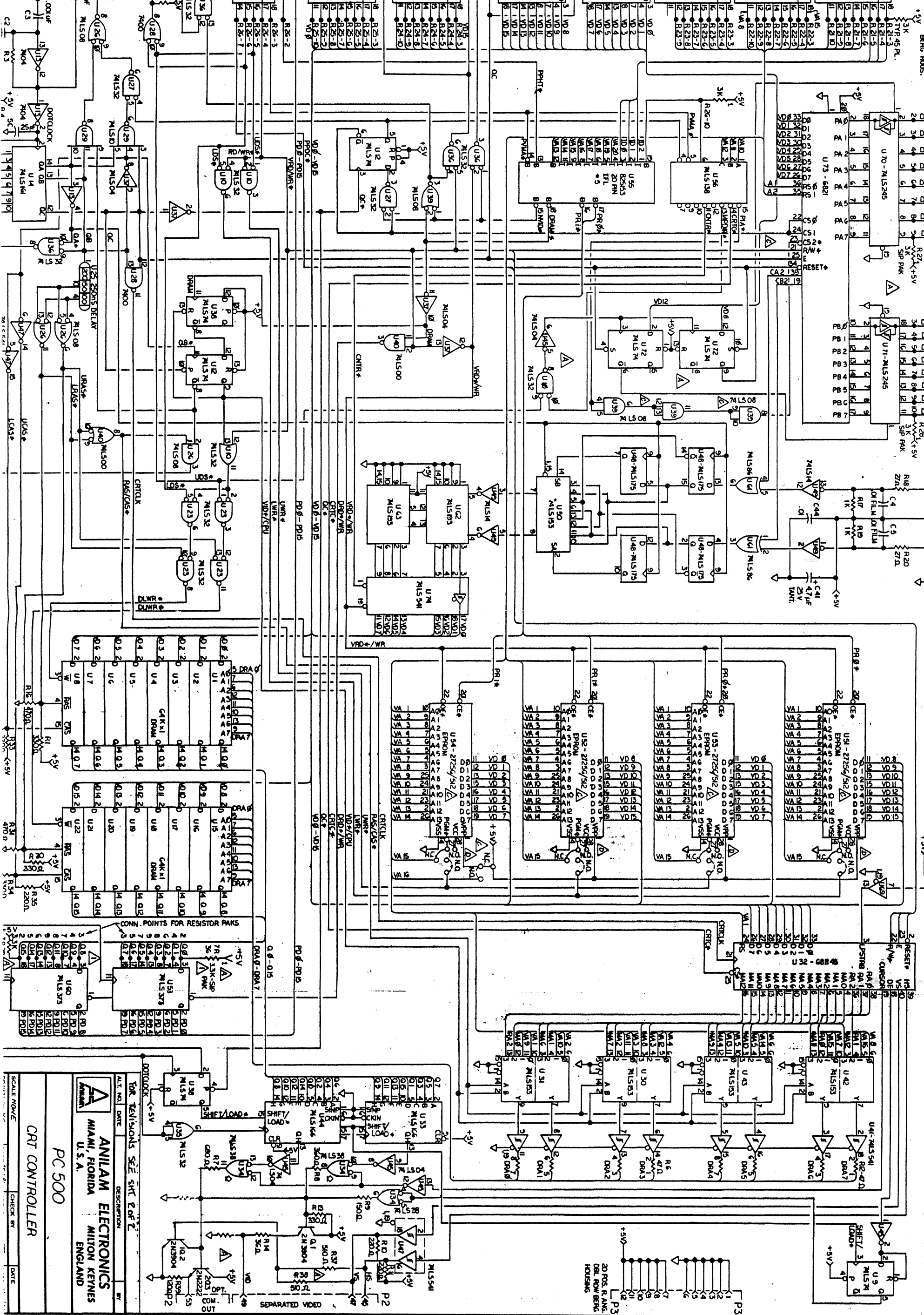


26 PIN HEADER				
B	12430	EDM46-114	ADDN P11 AND P12	END
C-1	52436	EDM46-089	SEE FABRICATION SVC.	VN
		EDM46-059	CUT P2-C3 P3, P3-C2 & P4-17 & P10-17, CONN. P2-C3 P4-17 AND Z2-T61	VN
C	41596	EDM46-036	ADD WFR TO P6 P7H 619 & 620 ADD WFR TO P4 18 & 19, 18 & 21	VN
B	3146	EDM46-138	REV WCC INFO AS FOR ECM	NOU
A	22736			NOU
ALT. NO.	DATE	DESCRIPTION		
		BY		

REV	DATE	DESCRIPTION
		 ANILAM ELECTRONICS MIAMI, FLORIDA U.S.A. MILTON KEYNS ENGLAND

SERVO CONN. INTERFACE			
PC-803			
SCALE	CHECK BY	DATE	
DRAWN BY	END	DATE	12/28/88
APPROV BY		DATE	
DRAWING NO.		901-176	
SHEET		1 OF 1	

GO POS. R. ANG. L.



DATE	DATE	DESCRIPTION	BY
10/1/78	10/1/78	TOOK NEWSPAPERS SEE SHIT & OF C	
			
ANILAM ELECTRONICS MIAMI, FLORIDA U.S.A. MILTON KEYNES ENGLAND			
PC 500			
CRT CONTROLLER			
SCALE MOVIE	CHECK BY	DATE	
10/1/78	10/1/78	10/1/78	



7

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1

ASSEMBLY

PCB 500-CRT CONTROLLER

DATE	CHECK BY	DATE
E 211		

PART NO. D0000136
 DRAWING NO. 1 OF 1
 ALL



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ASSEMBLY

PCB 500-CRT CONTROLLER

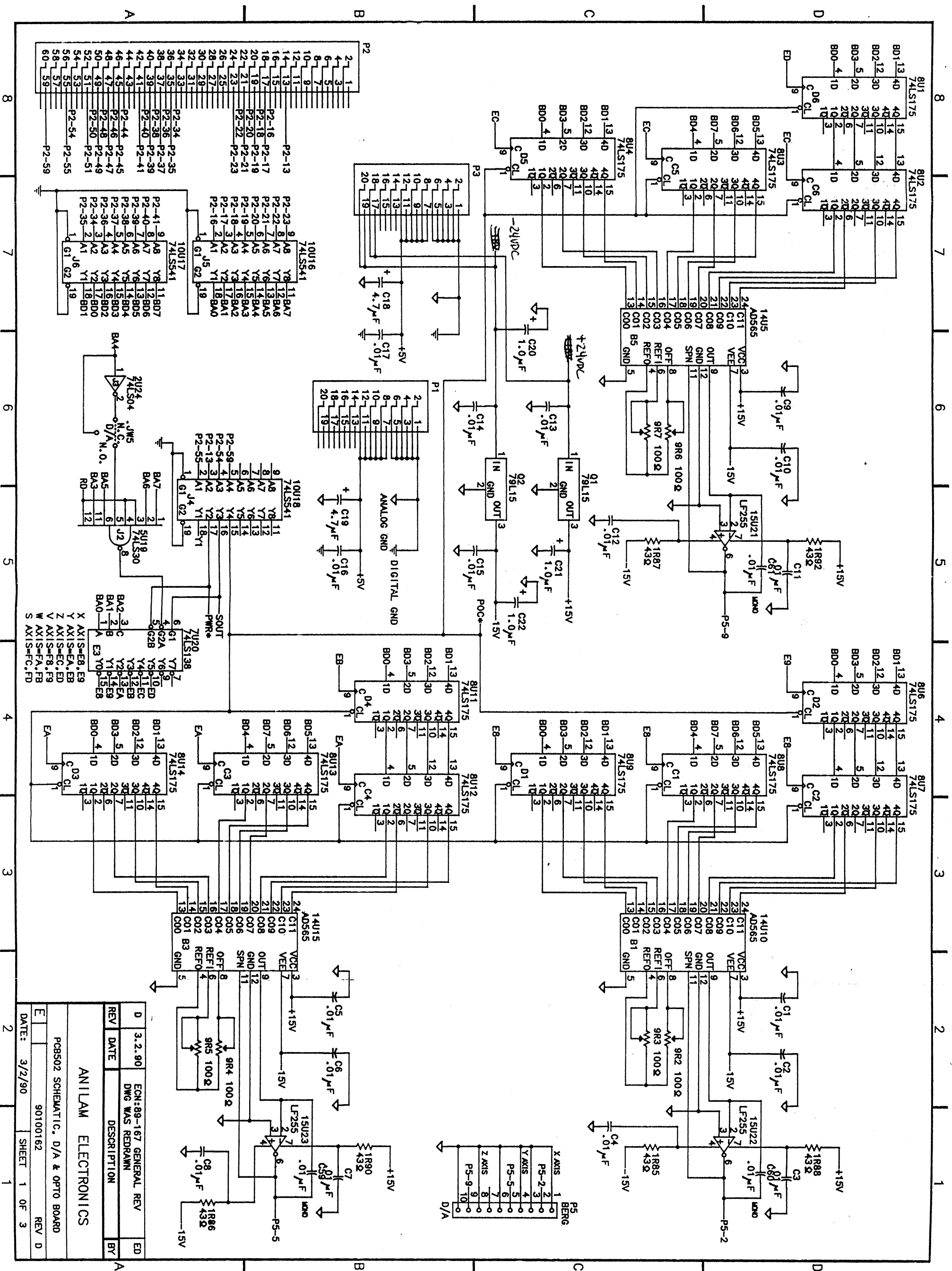
D0000130

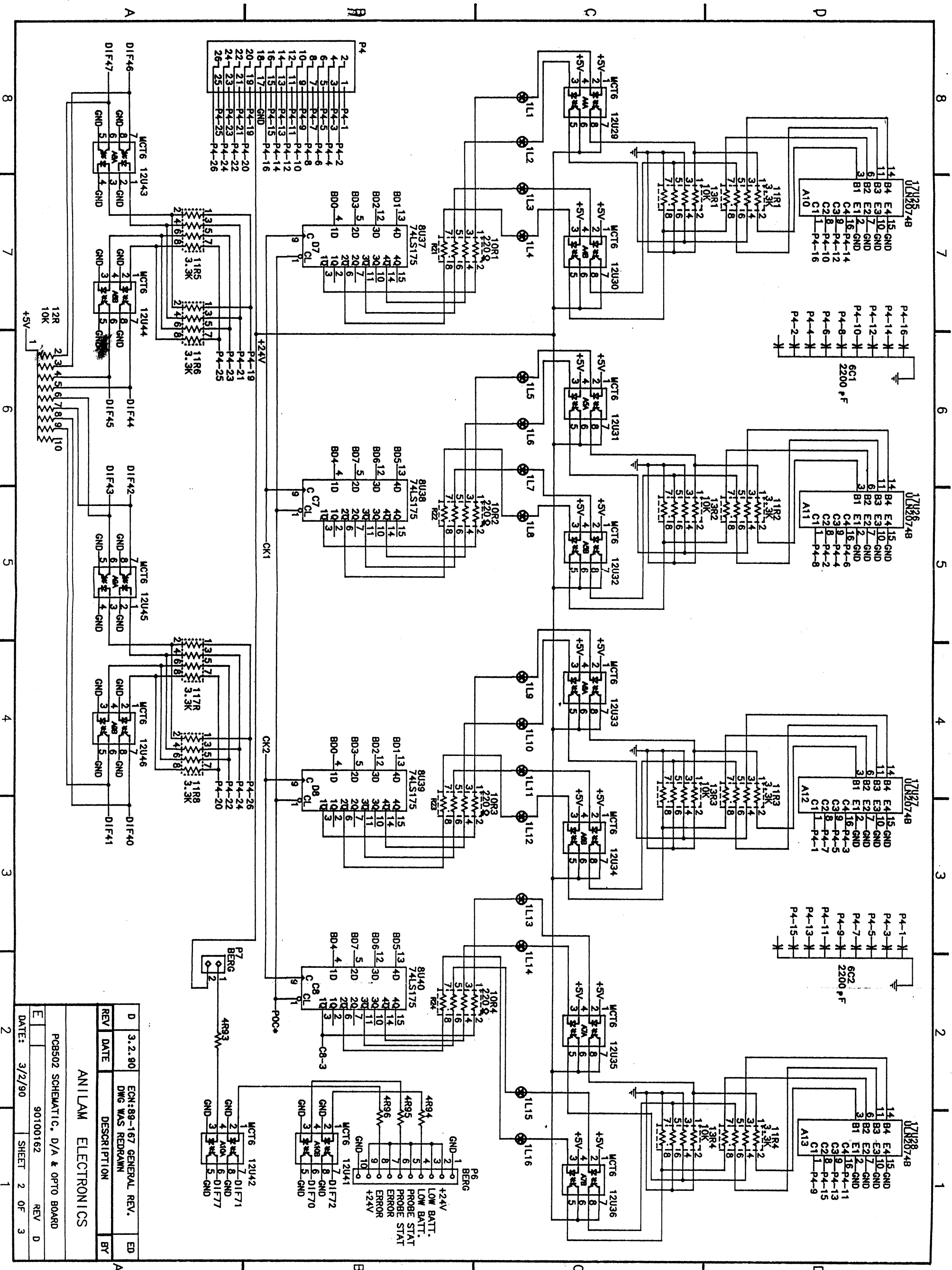
DRAWING NO. 1 OF 1

1. ALL .01 μ F CAP. ARE 150 50V.

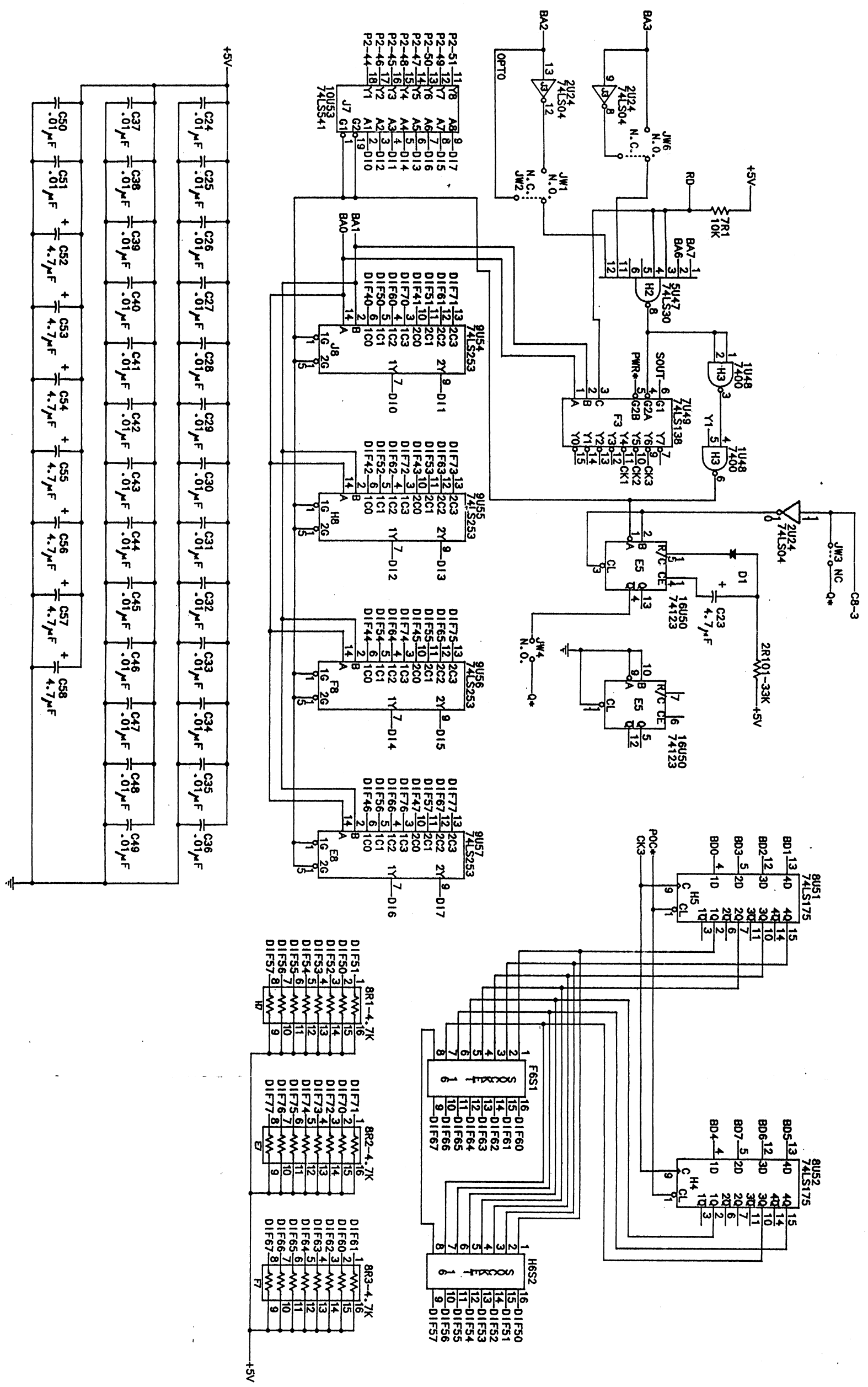


UNAWARN BY M/L	DATE 30.11.11	APPROVED BY	DATE 1/6/13
PART NO	NO DRAWING NO		AIT NO





D		3.2.90	ECN:89-167 GENERAL REV.	ED
REV		DATE	DWG WAS REWRN	
ANILAM ELECTRONICS		DESCRIPTION		BY
PCB502 SCHEMATIC, D/A & OPTO BOARD				
E		90100162	REV D	
DATE: 3/2/90		SHEET 2 OF 3		



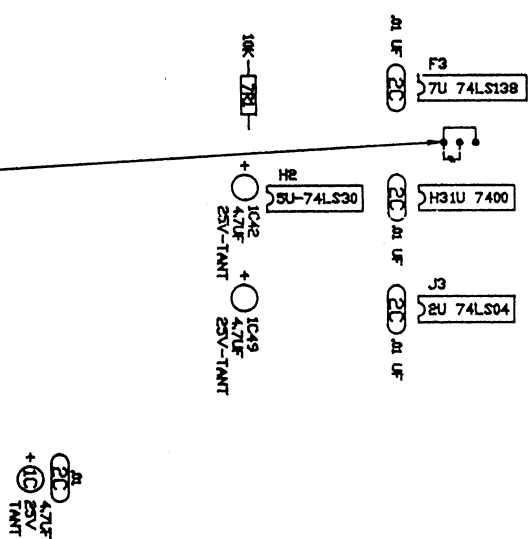
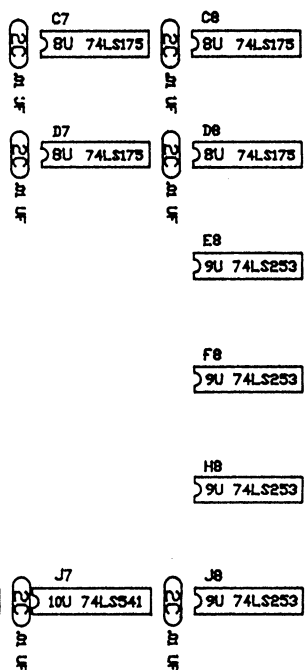
D	3.2.90	ECN:89-167 GENERAL REV.	ED
REV	DATE	DWG WAS REDRAWN	
DESCRIPTION			
BY			

ANILAM ELECTRONICS

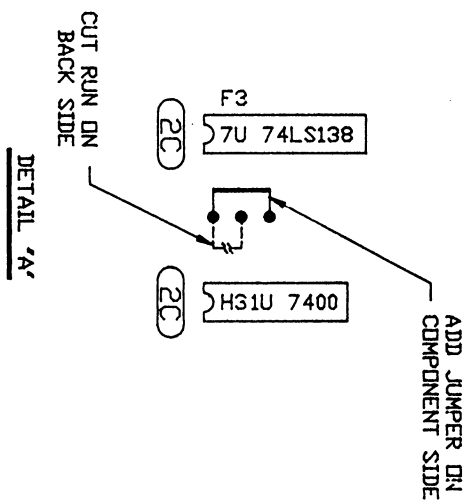
PCB502 SCHEMATIC, D/A & OPTO BOARD

90100162 REV D

D-TE: 3/2/90 SHEET 3 OF 3

[illegible]

THIS SIDE TO MOTHER BOARD



E	119.90	ECOM69-167 CHANGED DPTL SEC. TO THAT OF PC482	ERD
REV.	DATE	DESCRIPTION	BY

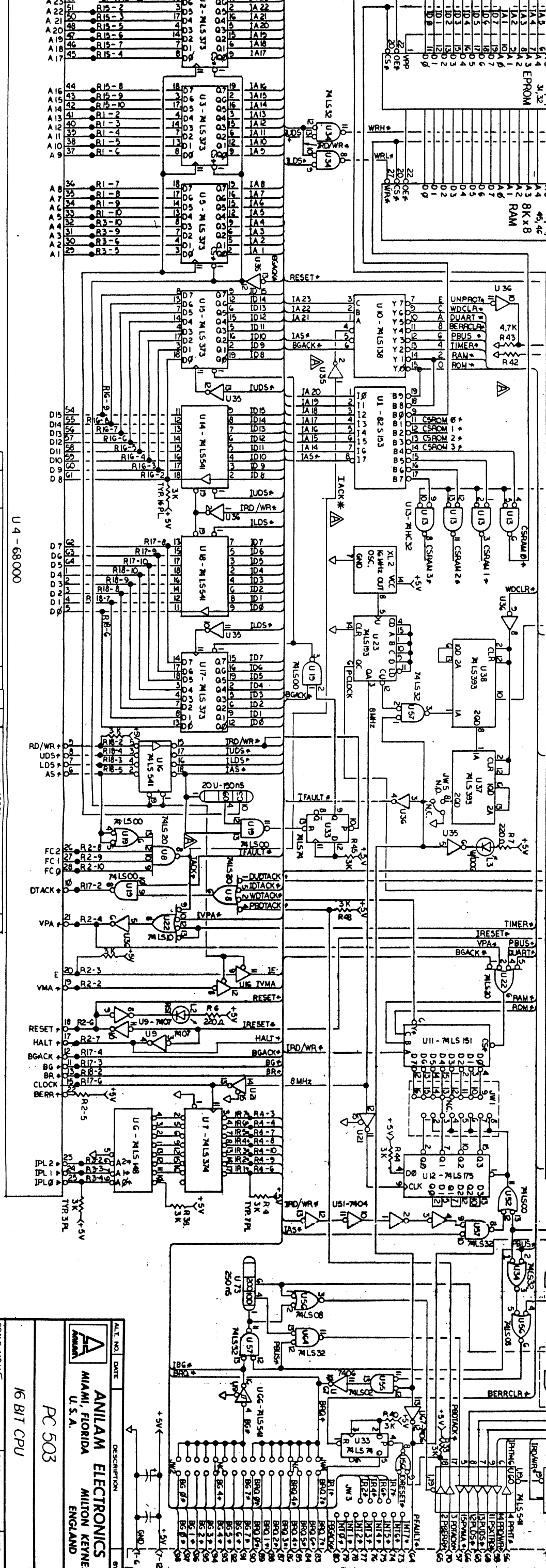
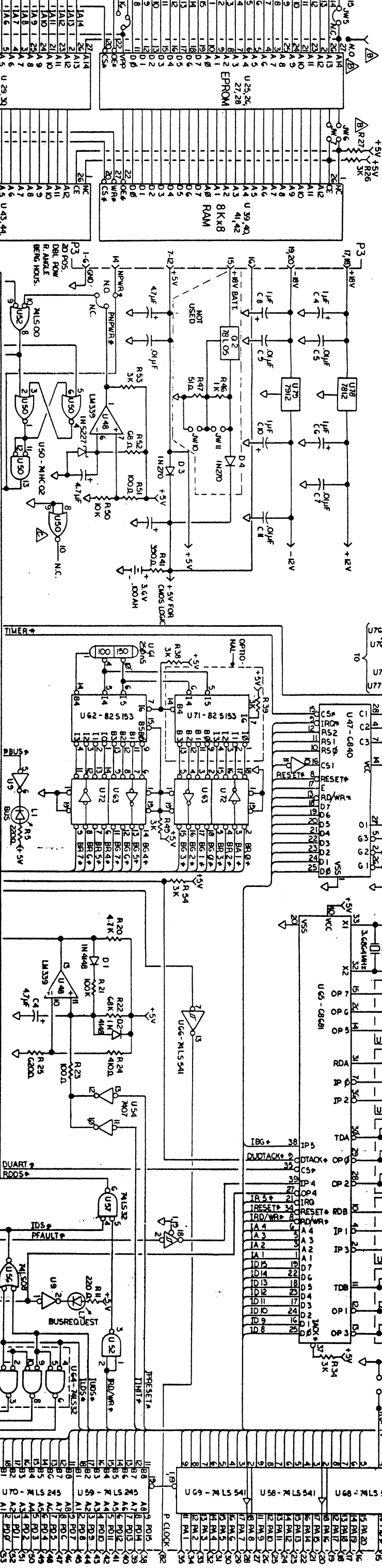
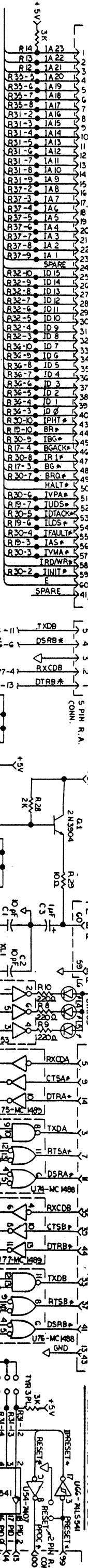
ANILAM ELECTRONICS
 MIAMI, FLORIDA
 U.S.A.

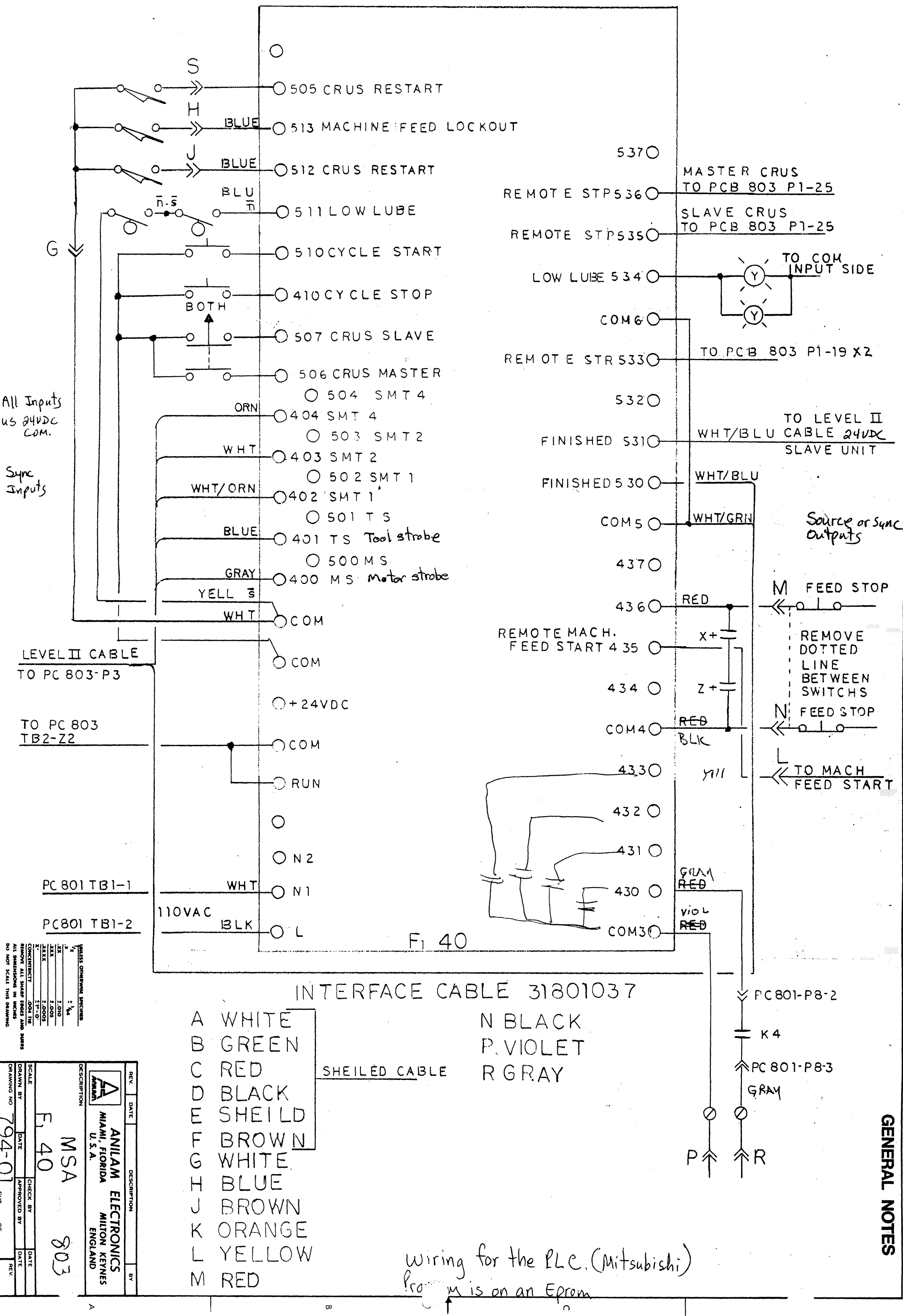
MILTON KEYNES
 ENGLAND

ASSEMBLY,
PC502 I/O

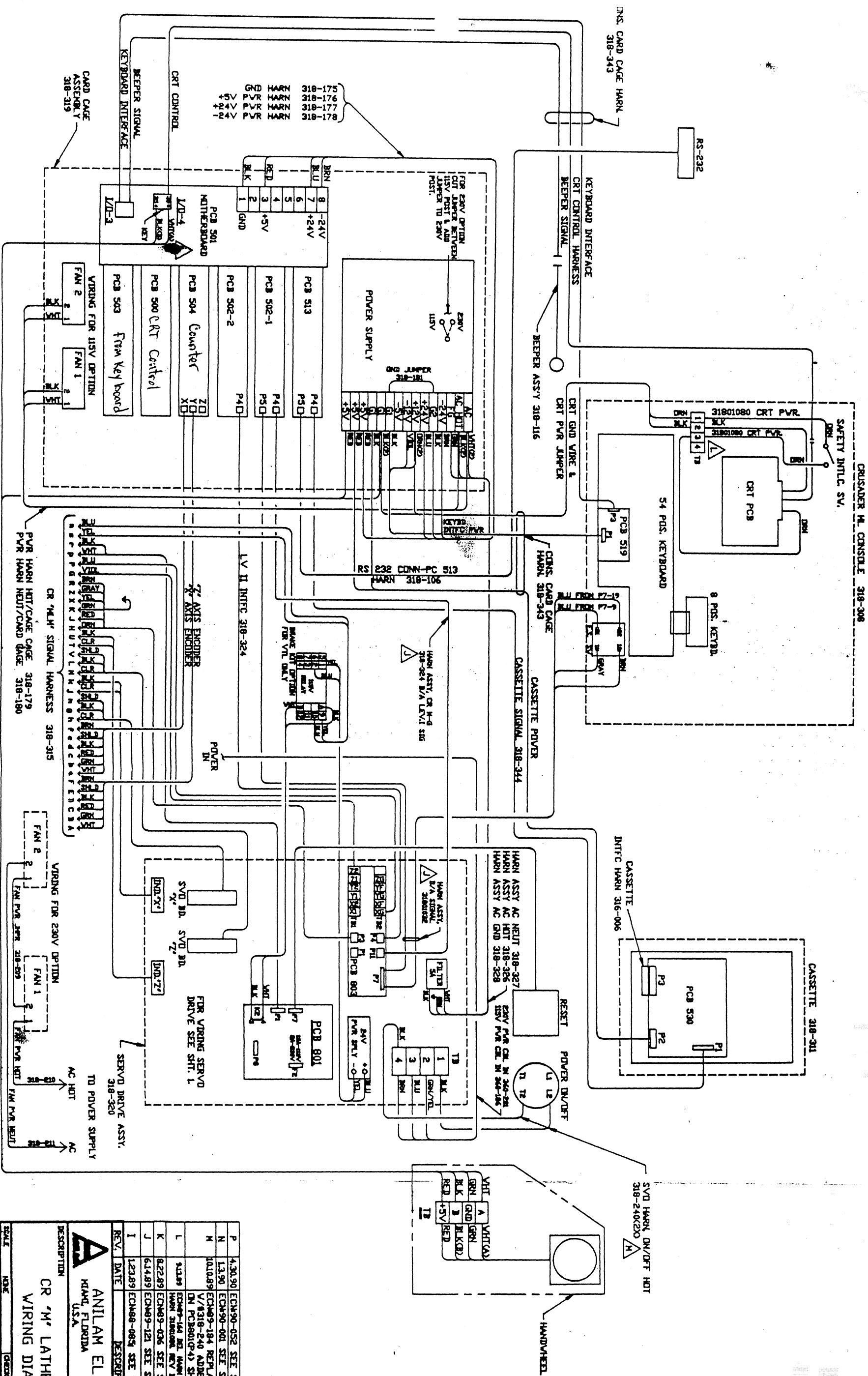
ANILAM ELECTRONICS
MIAMI, FLORIDA U.S.A.
MILTON KEYNES
ENGLAND

SCALE	NONE	CHECK BY	DATE
DRAWN BY	ERD	DATE	11.8.90
DRAWING NO.		31800060	SHT 1 OF 1
		REV.	E





GENERAL NOTES



P	4.30.90	ECM90-052	SEE SHEET 1	END
N	1.3.90	ECM90-001	SEE SHEET 1	END
M	10.10.89	ECM89-184	REPLACED 8318-325	END
L	9.13.89	V/8318-240	ADDED 8810-299	END
K	8.22.89	ECM89-006	SEE SHEET 1	END
J	6.14.89	ECM89-121	SEE SHEET 1	END
I	1.23.89	ECM89-085	SEE SHEET 1	END

ANILAM ELECTRONICS
MILWAUKEE, FLORIDA
U.S.A.

CR 'M' LATHEMATE
WIRING DIAGRAM

SCALE	DATE	BY	DATE	BY	DATE
301-157	12.24.89	301-157	12.24.89	301-157	12.24.89

B	312,90	ECN90-020	SEE SHEET 2	ERD
A	828,89	ECN89-150	DELETED C163-100P	MK
REV.	DATE	DESCRIPTION		BY

ANILAM ELECTRONICS
 MIAMI, FLORIDA MILTON KEYNES
 U.S.A. ENGLAND

DESCRIPTION			
PCB523			
8 BIT CPU, SCHEMATICS			

SCALE	NONE	CHECK BY	DATE
DRAWN BY	MK	APP'D BY	DATE

DRAWING NDL	90100230	SHT 1	OF 4	REV.
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SCALE	NONE	CHECK BY	DATE
DRAWN BY	MK	DATE	7.4.89
DRAWING NO.		APP'D BY	DATE
90100230		CUT	1 OF 4
		REV.	R

