

PROPRIETARY DATA

3180 0741

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CRT DISPLAY

CONTENTS

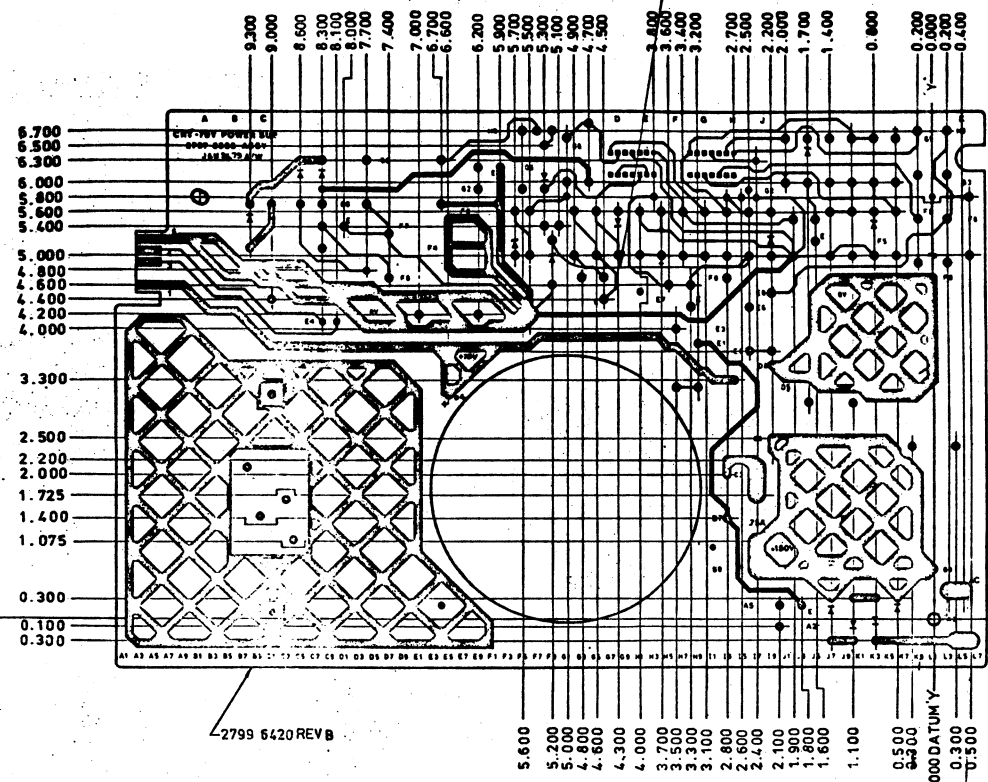
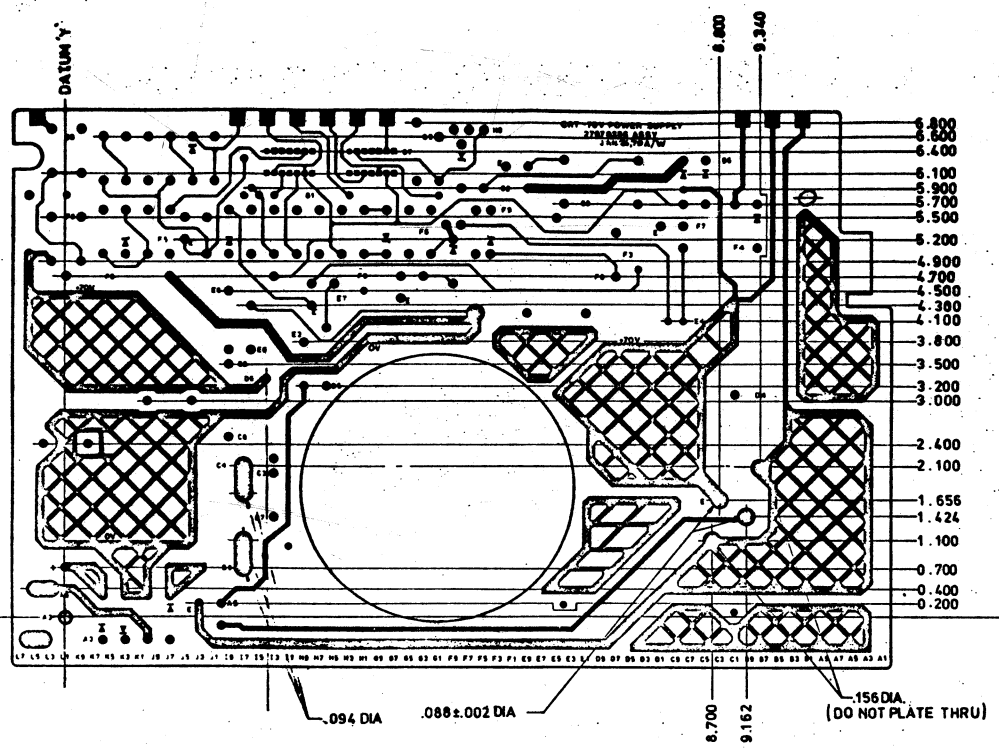
DWG. NO.	PGS	REV	DESCRIPTION
3180 8496	1	A RW ECN 03635	CRT +70V POWER SUPPLY, SCHEMATIC
3180 8488	2	A RW ECN 03635	CRT +70V POWER SUPPLY, PWB ASSEMBLY
3180 6896	11	A RW ECN 03415	SCHEMATIC, CRT HEAD CONTROLLER
3180 6631	3	A RW ECN 03415	PWB ASSY, CRT HEAD CONTROLLER
3180 3612	1-8	E ECN 03498	PWB SPECIFICATION FOR CRT HOST CONTROLLER
2769 7424	5	A ER62519	CRT INPUT/OUTPUT HARNESS (B91)
2797 8295	4	F ECN02795	CRT INTERNAL HARNESS
	4	F W/EDA62747 W/EDA62622	
2797 8352	4	E ECN02795	CRT INPUT/OUTPUT HARNESS (B92)
2799 5679	1	B ECN02228	CRT ON/OFF SWITCH ASSEMBLY
3185 1025	4	E ECN03150	CRT CONTRL HARNESS (B92)
2798 8344	1	A EDA 63010	CRT MONITOR, SCHEMATIC
2770 4865	8	A ECN 63083	CRT INSTALLATION INSTRUCTIONS(B91)
3185 7196	6	B ECN 03623	CRT IMPLEMENTATION INSTRUCTIONS (B92)

PAGE

DWG. NO.

Burroughs Corporation		TITLE SYSTEM		DWG. NO.
SYSTEMS M & E GROUP PLYMOUTH, MICHIGAN 48170		PLYMOUTH PLANT U S AMERICA		3180 0741PL
PROPRIETARY TO BURROUGHS CORP. - NOT TO BE REPRODUCED, NOR USED FOR MANUFACTURING PURPOSES EXCEPT ON BURROUGHS ORDER OR PRIOR WRITTEN CONSENT		DRAWN E.KARAS 6-18-79	CHECKED J.H. 2-5-79	REV LETTER G
		APPROVED	RELEASED	PAGE 1 of 1

SHEET NO. 12 OF 12
 RELEASED MAY 19, 78
 ER 01687
 ECN 02135
 C.B. SEPT-2278
 2799 6420 REV B WAS
 2799 6042 REV. A
 1.725 DIM WAS 1.700
 NOTE ADDED TO .065 DIA HOLES
 .088±.002 WAS .064 DIA
 8.340 WAS 8.440
 ECN 02174
 C.B. NOV 17, 77
 4.700 DIM. ADDED
 2.400 DIM. WAS 2.300
 E9H5 WAS E9H5
 F0G6 WAS E0G6
 ECN 02606
 REWORK INSTRUCTION
 ECN 02618
 C.B. JAN. 26, 79
 TRACKING ALTERED
 ETCH DATE ALTERED
 HOLES AT L3, A7L5, B0L4, L40L6 ALTERED
 EPN 03286
 CH. DEC. 07, 79
 OBSOLETE BY 3488 6169
 ECN 03635
 C.B. APRIL 22, 1980
 EMERGENCY REWORK INSTR.



NOTE:-
 FOR SCHEMATIC SEE 3797-0402 3180 8486 *
 SURFACE TREATMENT UNLESS OTHERWISE SPECIFIED
 TIN PLATE ALL COPPER PATTERNS AND ALL PLATED
 THRU HOLES SEE SPEC. NO. 1106 5042
 UNLESS OTHERWISE SPECIFIED -
 1. CONDUCTORS AND PADS AS PRODUCED BY ARTWORK. 2797 8394 JAN. 26, 79
 2. PLATE THRU ALL HOLES SEE SPEC. NO. 1106 5042.
 2a. .000T TO .001 TIN LEAD PLATE OVER COPPER PLATE.
 3. HOLE EDGE TO PAD EDGE .002 MIN.
 4. CONDUCTOR WIDTH .020 MIN.
 5. PADS .065 DIA. MIN.
 6. CLEARANCE BETWEEN CONDUCTORS .020 MIN.
 6a. CONDUCTIVE MATERIAL LESS THAN .020 FROM ANY CONDUCTOR,
 MUST BE .020 MIN. FROM ANY OTHER CONDUCTOR OR CONDUCT MATERIAL.
 7. CHARACTERS, G0THIC .060 HIGH MIN. METHOD OF MANUFACTURE OPTIONAL.
 7a. LOCATION OF DATE, PART NO., AND SYMBOLS APPROXIMATELY AS SHOWN.
 8. ALL TOLERANCES ±.008.
 9. HOLE DIA. .055
 10. HOLE TOLERANCE ±.003

LOC.	DIA.	LOC.	DIA.
G714	.043	F817	.043
G719		F818	
G711		A513	
G710		A510	
G708		A710 .043	
G709		A713 .040	
G712		A014	
G710		B015 .045	
G709		F018	
G708		F719	
G717		B017	
G715		B017	
G716		B017	
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G718		B017	
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DO NOT PLATE THROUGH

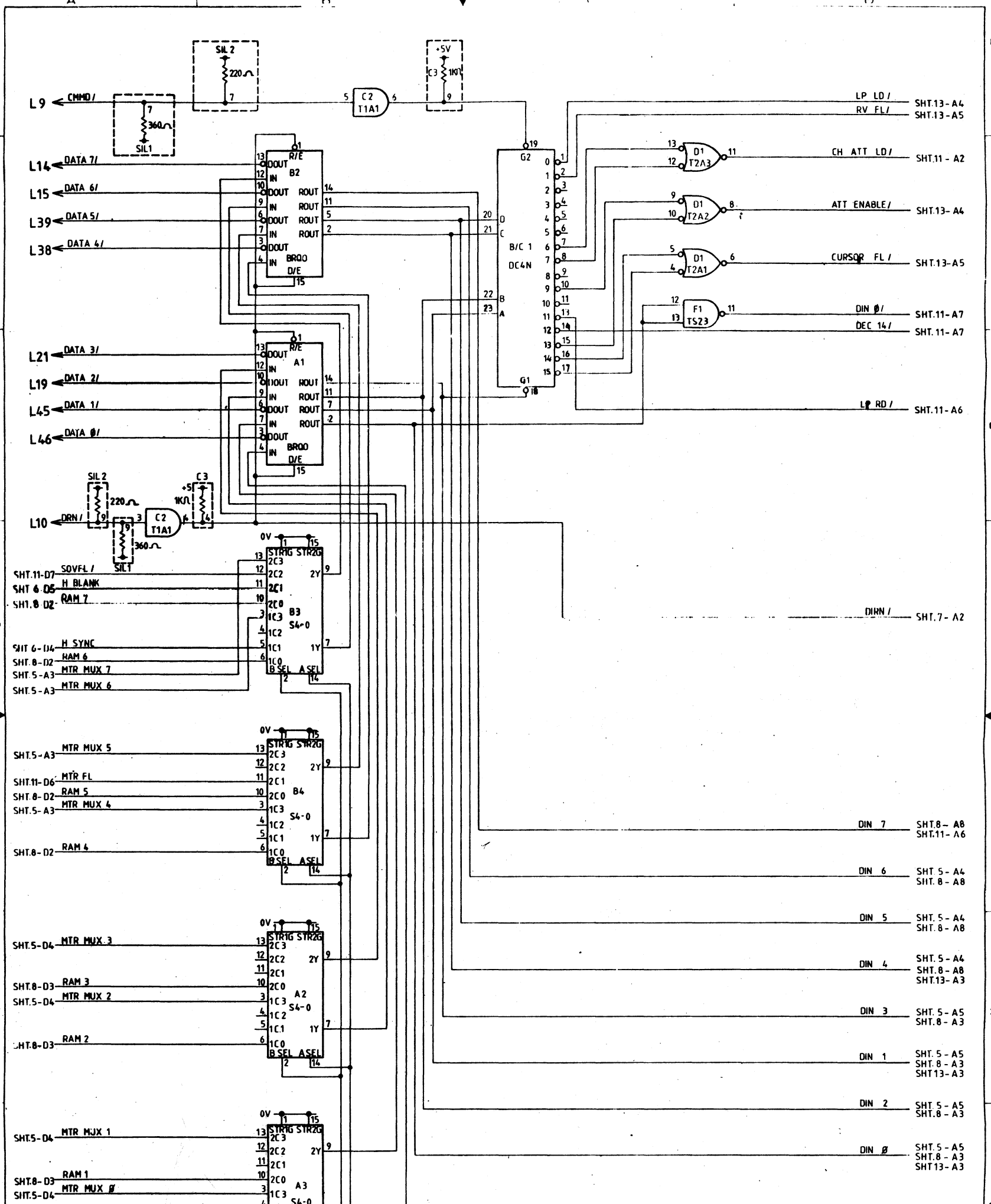
* INDICATES CHANGES
 PRODUCT ENGINEERING, MFG.
 L.H. APR 22, 1980

ECN 03635 EMERGENCY REWORK INSTRUCTION

MATERIAL AND PROCESS TO BE U.L. APPROVED.

DO NOT SCALE.

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED DATE 08-14-2013 BY 60322 UCBAW/STP	DATE: JUL 4, 78 BY: C.B.	DATE: JUL 4, 78 BY: C.B.	2-7010 Burroughs
MATERIAL: AS SPECIFIED	FINISH: AS SPECIFIED	TOLERANCES: AS SPECIFIED	CARD PRINTED CIRCUIT CRT-70 PWR SPL
DATE: JUL 4, 78 BY: C.B.	DATE: JUL 4, 78 BY: C.B.	DATE: JUL 4, 78 BY: C.B.	3180 8486 *

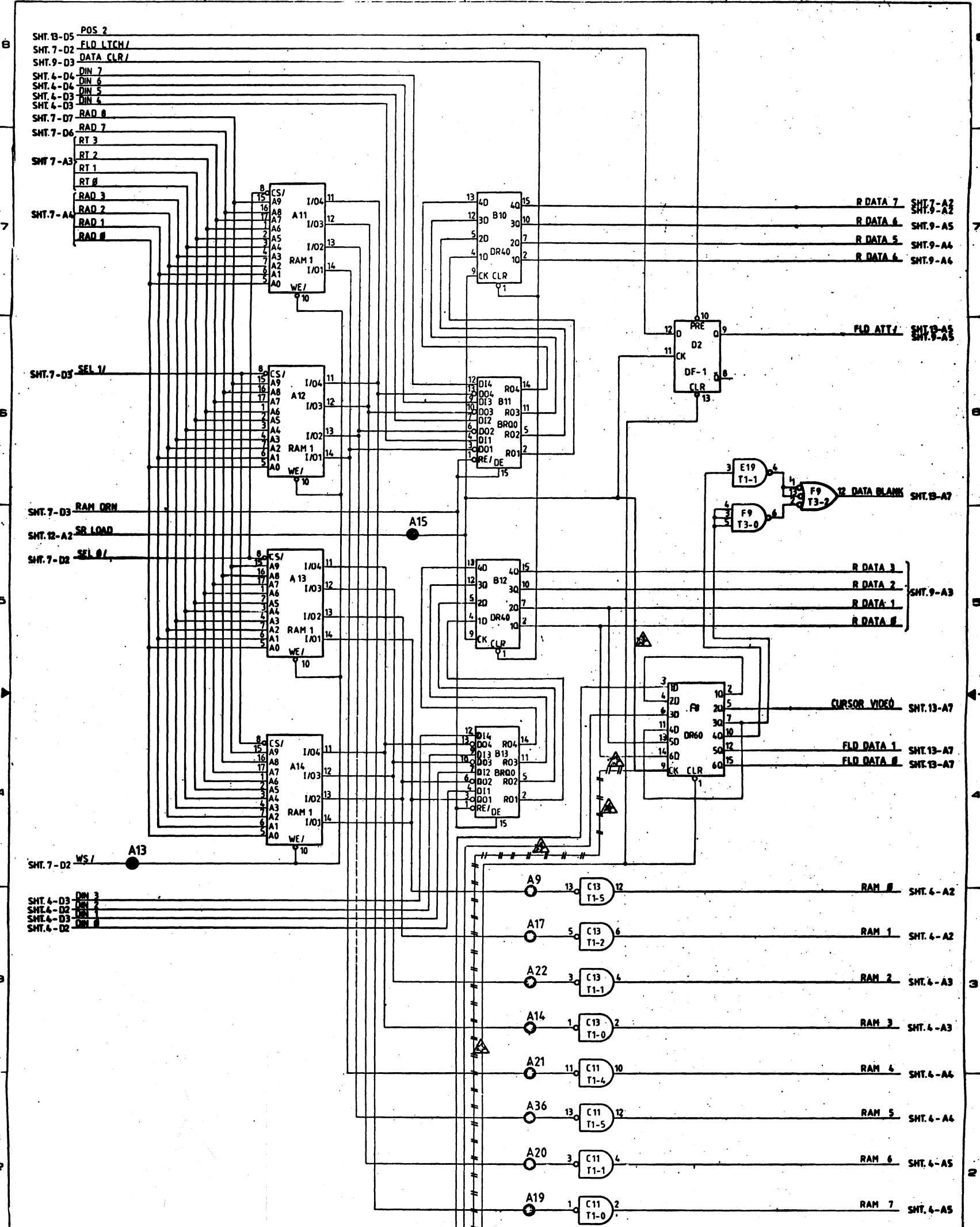


EDA 63259
 PROJECT 51316 CLB
 DATE 3-19-80
 PAGE 1 + 11 AFFECTED

INDICATES CHANGES
 PRODUCT ENGINEERING
 J.A.B. 80.10
 REWORK INSTRUCTION
 ECN 03415

INDICATES CHANGES
 PRODUCT ENGINEERING
 SEPT. 7, 79
 E.D.A. 03171

INDICATES CHANGES
 PRODUCT ENGINEERING
 NOV. 21, 79
 EMERGENCY Rework INST.
 ECN 03358



SHT.7-04 COMP OP
 SHT.7-02 CNTR SEL
 SHT.4-A3 POS 2
 SHT.5-02 POS 1

INDICATES CHANGES
 PRODUCT ENGINEERING
 JANA 80 P.P.
 REVISE INSTRUCTION
 ECN 03418

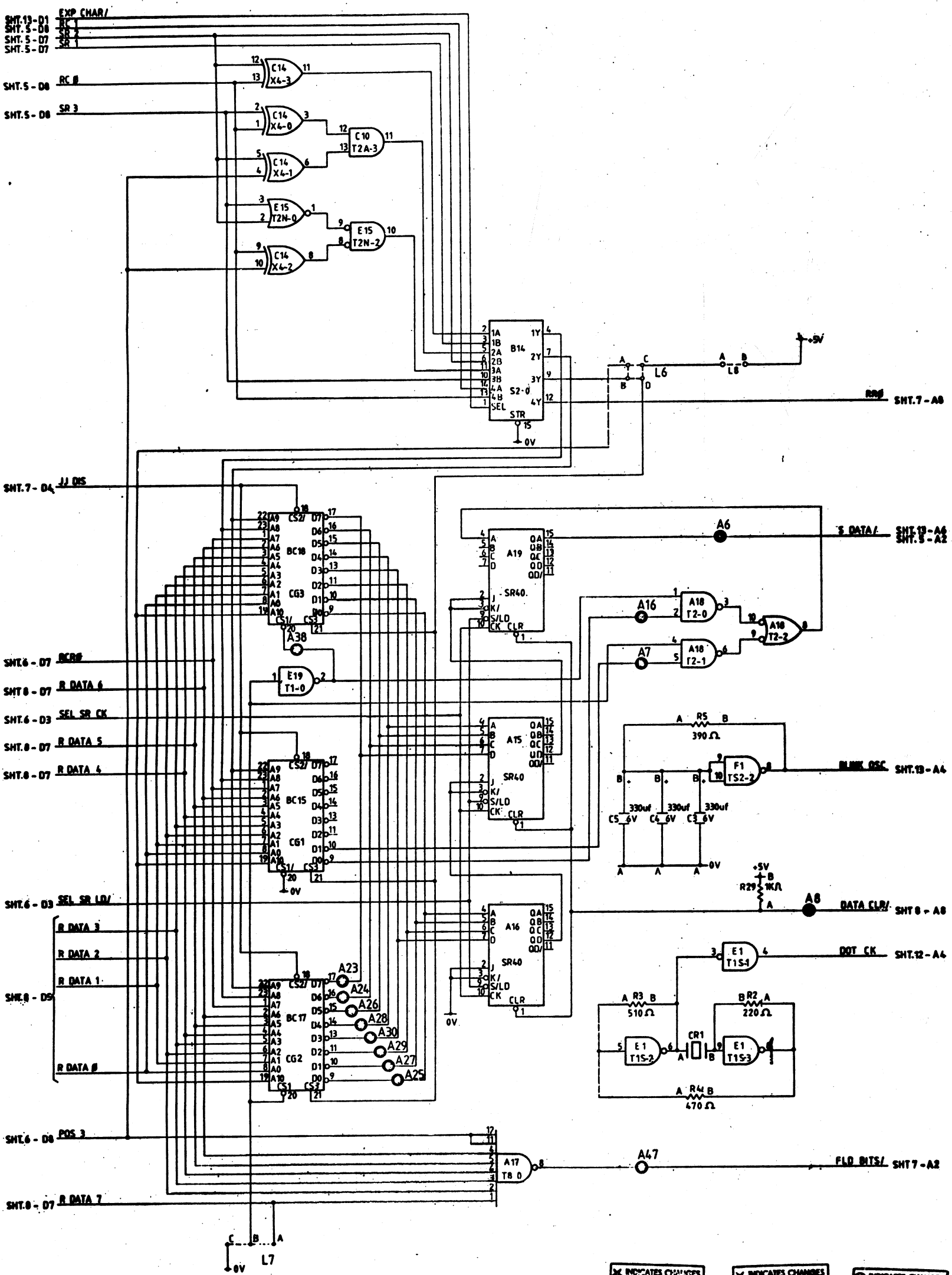
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 PRODUCT ENGINEERING
 SEPT. 7.79
 E.D.A. 03771

INDICATES CHANGES
 PRODUCT ENGINEERING
 11. MAR. 81. 79
 EMERGENCY Re-work Instruction
 ECN 03388

3180 3158 3158	RELEASED DATE: MAR 16 1979	Burroughs SMALL SYSTEMS DIVISION BURROUGHS MACHINES LIMITED CUMBERNAULD SCOTLAND, U.K.	DESIGN CONTINUED JOB: SPECIFICATION CRT HEAD CONTROLLER	DATE: MAR 16 1979 DESIGNER: SR Martin CHECKED: [Signature] DATE: 7-APR-79 CLASS: A1	DATE: MAR 16 1979 DRAWING NO: 3180 CLASS: A1 CLASS CODE: 2-7045 REV: A-B-A DATE: 3.8.79	
	PROPRIETARY TO BURROUGHS. NOT TO BE REPRODUCED NOR USED FOR MANUFACTURING PURPOSES EXCEPT ON BURROUGHS' ORDER OR PRIOR WRITTEN CONSENT.	APPROVED: [Signature] DATE: 7-APR-79	DATE: MAR 16 1979 CLASS: A1 CLASS CODE: 2-7045	DATE: MAR 16 1979 CLASS: A1 CLASS CODE: 2-7045	DATE: MAR 16 1979 CLASS: A1 CLASS CODE: 2-7045	DATE: MAR 16 1979 CLASS: A1 CLASS CODE: 2-7045
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INPUTS

OUTPUTS



INDICATES CHANGES
 P. PATTERSON
 JAN. 2, 1979 P.A.

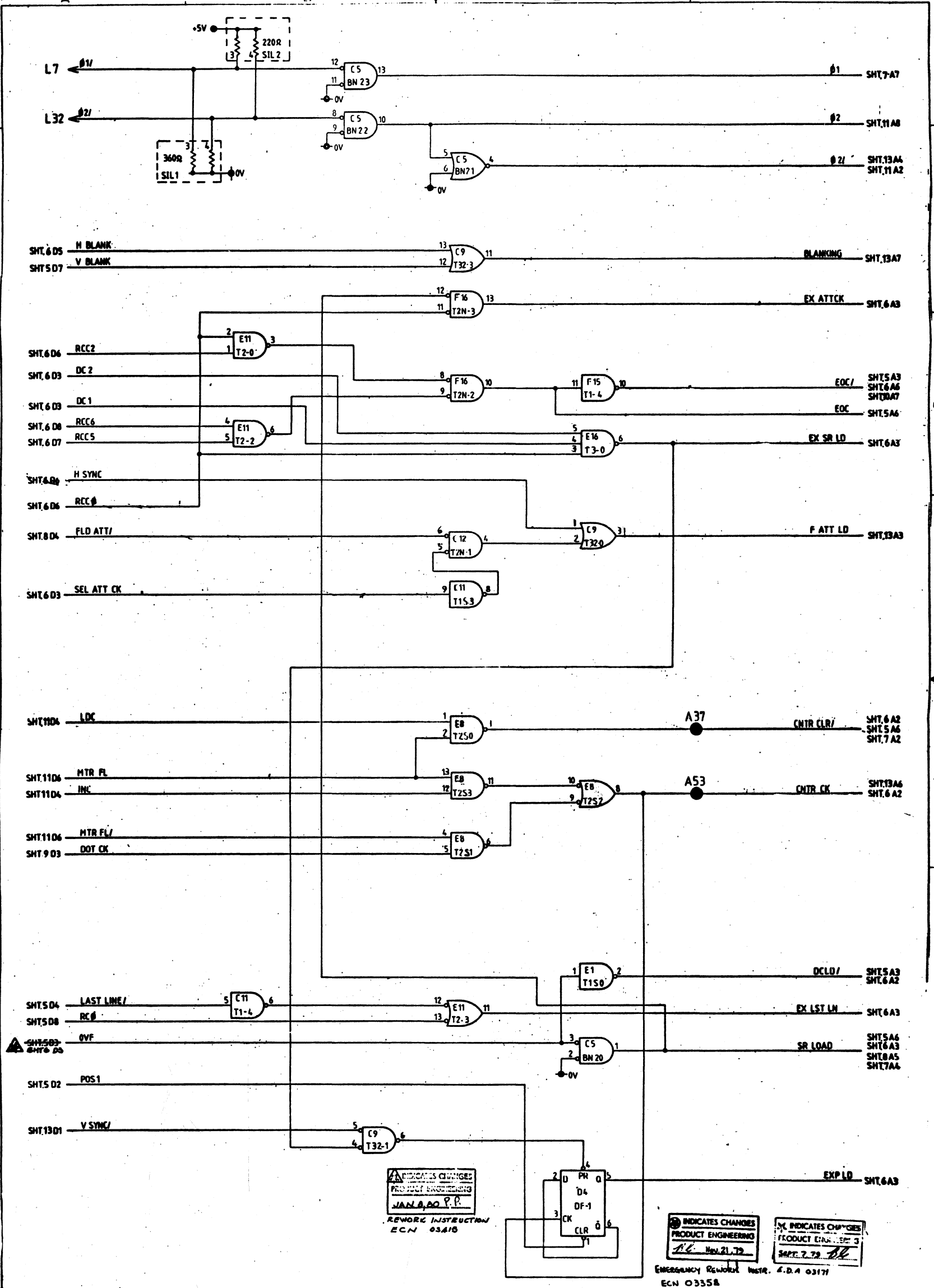
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 PRODUCT ENGINEERING
 SEPT. 7, 79
 E.D.P. 09171

INDICATES CHANGES
 PRODUCT ENGINEERING
 NOV. 2, 1979
 EMERGENCY REWORK INSTRUCTIONS
 E.C.N. 03558

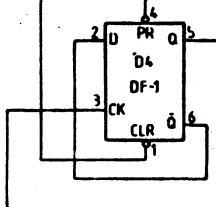
REWORK INSTRUCTIONS - E.C.N. 03410

INPUTS

OUTPUTS



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 JAN 8, 80 P.P.
 REWORK INSTRUCTION
 ECN 03415

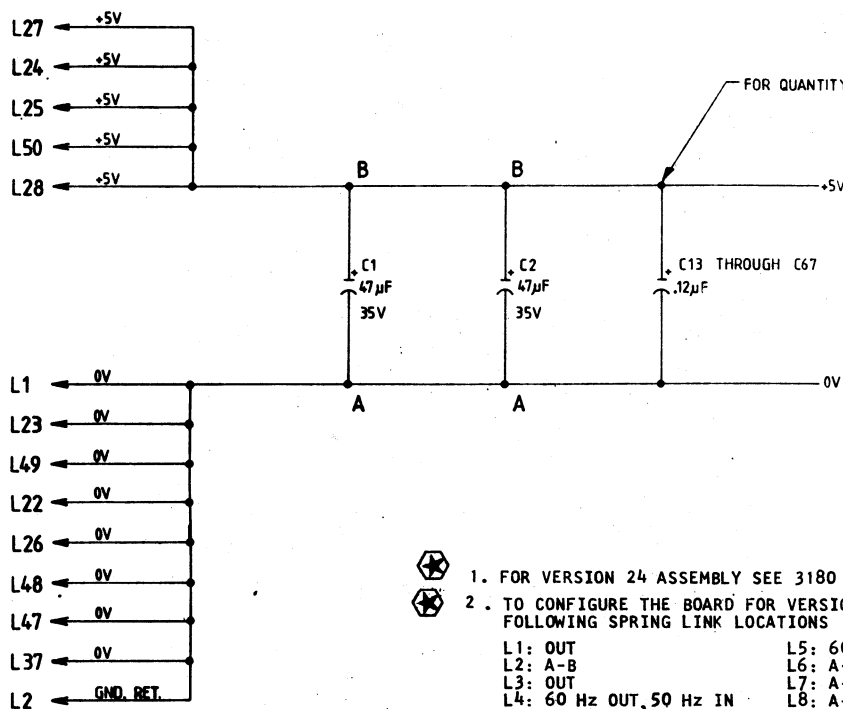


INDICATES CHANGES
 PRODUCT ENGINEERING
 11/21/79

INDICATES CHANGES
 PRODUCT ENGINEERING
 11/21/79

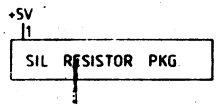
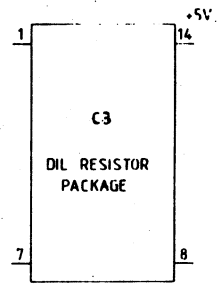
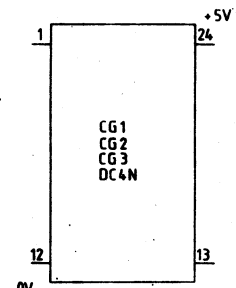
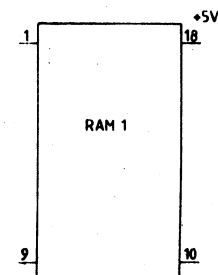
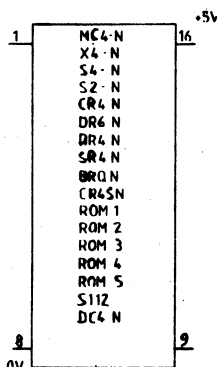
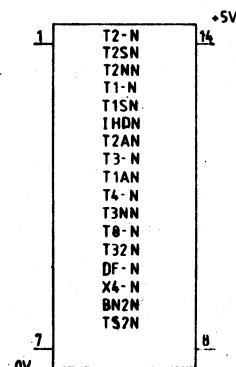
EMERGENCY REWORK INSTR. 4.D.A 03171
 ECN 03358

3180 5823 3180 5823 3180 5823	APRIL 6-79 02507	Burroughs <small>SPECIAL SYSTEMS DIVISION BURROUGHS MACHINES LIMITED GLENVAULT, SCOTLAND U.A.</small>		DESIGNER P.PATERSON	DATE MAR 16	DRAWING NO. 3180 5823
		APPROVED <i>[Signature]</i>	DATE 5-22-79	CHECKED DATE	CLASS CODE 2-7045	REV. A A A 9/22/80
PROPRIETARY TO BURROUGHS. NOT TO BE REPRODUCED NOR USED FOR MANUFACTURING PURPOSES EXCEPT BY BURROUGHS UNDER PRIOR WRITTEN CONSENT.				TITLE SPECIFICATION CRT HEAD CONTROLLER	DATE MAR 16	DRAWING NO. 3180 5823

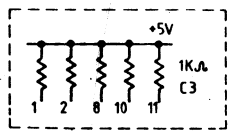
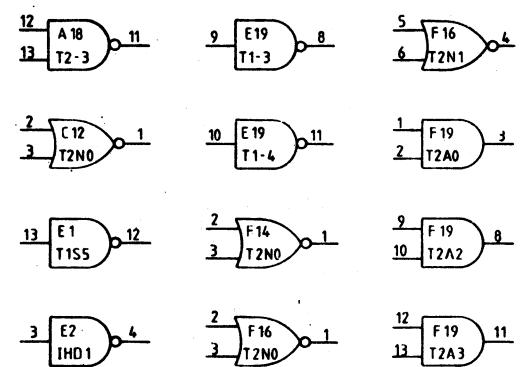


- FOR VERSION 24 ASSEMBLY SEE 3180 6821 REV A
- TO CONFIGURE THE BOARD FOR VERSION 24 USE THE FOLLOWING SPRING LINK LOCATIONS

L1: OUT	L5: 60 Hz B-C, 50 Hz A-B
L2: A-B	L6: A-B,C-D
L3: OUT	L7: A-B
L4: 60 Hz OUT, 50 Hz IN	L8: A-B



SARE GATES



EDA 63259

51316
 DATE 3-19-80

INDICATES CHANGES

PRODUCT ENGINEERING

JAN 20 1980

REWORK INSTRUCTION ECN 0358

SEP 7 79

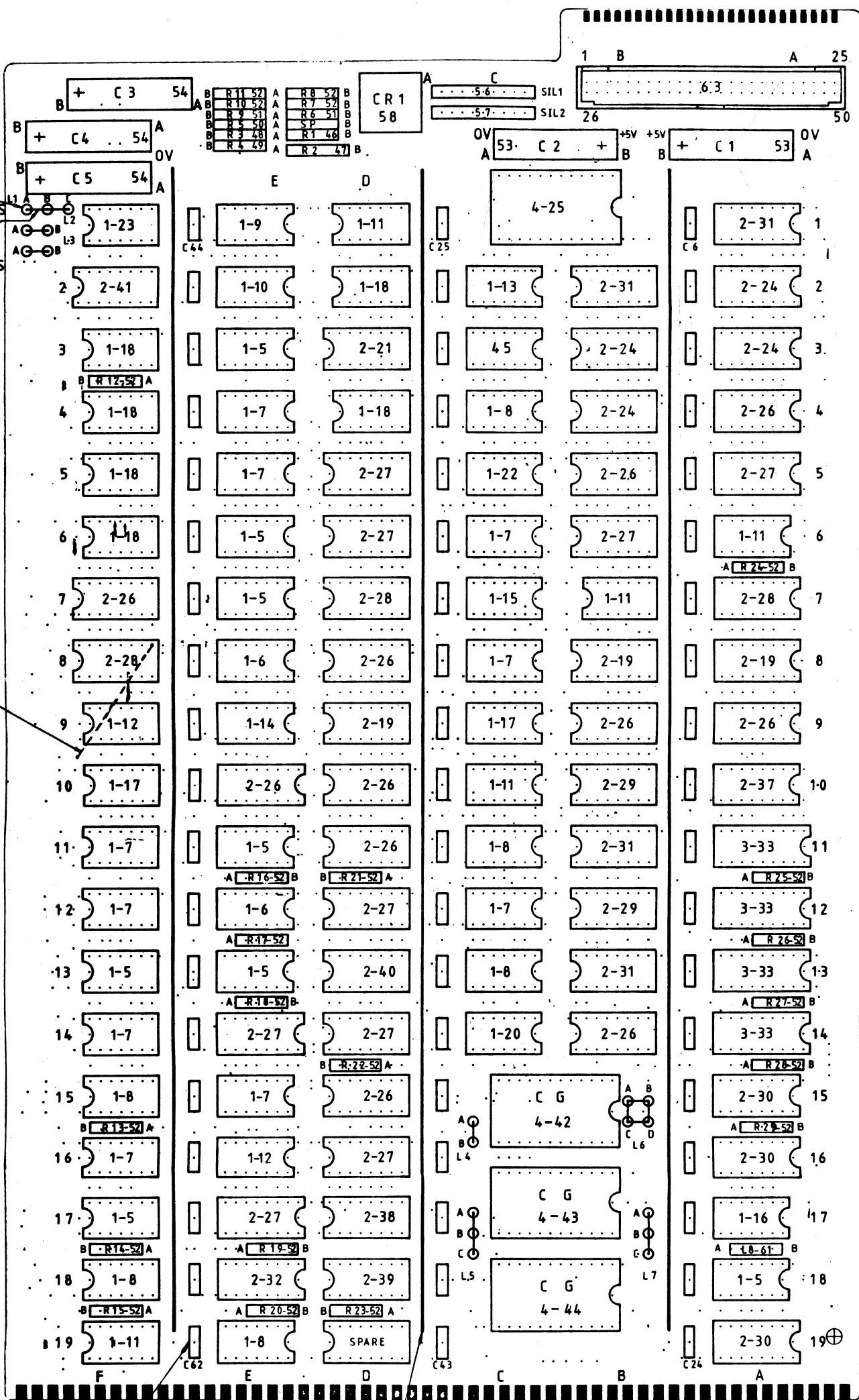
E.D.A. 03171

INDICATES CHANGES

PRODUCT ENGINEERING

NOV 21 79

EMERGENCY REWORK INSTRUCT ECN 0358



59
19 PLACES

60
8 PLACES

LINK TO PINS TO THRU HOLE

55 57 PLACES

62 3 PLACES

INDICATES CHANGES
PROJECT ENGINEER
JAN 8, 80
REWORK INSTRUCTION
ECN 03415



SPECIFICATION CRT HEAD CONTROLLER

P. PROFFERSON 5-APR-79 H.P. MAR. 29, 79
R. J. 6-APR-79

2-9520 KA Z1 on 318

1/2 on 265
3100-3150

TABLE 1

ITEM	DESCRIPTION	PART NO	CODE	REQ
1	14 PIN DIL SOCKET	2603 8281	—	50
2	16 PIN DIL SOCKET	2603 8299	—	46
3	18 PIN DIL SOCKET	2477 6213	—	4
4	24 PIN DIL SOCKET	2473 3065	—	4
5	IC SN 7400	1447 3516	T2-N	8
6	IC SN 74500	2600 1487	T2 SN	2
7	IC SN 7402	2600 4911	T2 NN	10
8	IC SN 7404	1447 3532	T1-N	6
9	IC SN 74504	2600 1495	T1 SN	1
10	IC SN 7406	1674 4963	IHDN	1
11	IC SN 7408	1447 3524	T2AN	5
12	IC SN 7410	1447 3540	T3N	2
13	IC SN 7417	2600 1669	T1AN	1
14	IC SN 7420	1447 3565	T4-N	1
15	IC SN 7427	2600 4925	T3 NN	1
16	IC SN 7430	1447 3573	T8-N	1
17	IC SN 7432	2603 8653	T32N	2
18	IC SN 7474	1447 3607	DF-N	6
19	IC SN 7485	1449 2052	MC4-N	3
20	IC SN 7486	1447 3698	X4-N	1
21	IC SN 745112	2602 7417	S112	1
22	IC SN 74128	1269 6860	BN 2N	1
23	IC SN 74132	2600 6726	TS 2N	1
24	IC SN 74153	1447 3714	S4-N	4
25	IC SN 74154	1535 7155	DC 4N	1
26	IC SN 74157	1447 3797	S2-N	11
27	IC SN 74161	1447 3771	CR4-N	9
28	IC SN 74174	1449 1260	DR6-N	3
29	IC SN 74175	1449 1270	DR4-N	2
30	IC SN 74195	1447 3755	SR 4N	3
31	IC BT 26	1847 4882	BRQN	4
32	IC 93516	2602 7383	CR4SN	1

ITEM	DESCRIPTION	PART NO	CODE	REQ
33	1K X 4 RAM	2799 7535	RAM 1	4
34				
35				
36				
37	TRANS PROM	3180 3950	PROM 1	1
38	256 V/ SYNC PROM	3180 3968	PROM 2	1
39	1920 V/ SYNC PROM	3180 3976	PROM 3	1
40	H SYNC PROM	3180 3984	PROM 4	1
41	VIDEO ATT PROM	3180 3992	PROM 5	1
42	CHAR. GEN. 1	SEE TABLE 3	CG 1	SEE PL
43	CHAR. GEN. 2	"	CG 2	"
44	CHAR. GEN. 3	"	CG 3	"
45	DIL RES PKG 1K Ω	2571 1912	A	1
46	RESISTOR 120Ω/0W±5%	1268 5772	R 1	1
47	" 220Ω/1/4W±5%	1268 1151	R 2	1
48	" 510Ω/0W±5%	1268 5921	R 3	1
49	" 470Ω/0W±5%	1268 5913	R 4	1
50	" 390Ω/0W±5%	1268 5897	R 5	1
51	" 100Ω/0W±5%	1268 5756	R 6 & 9	2
52	" 1KΩ/0W±5%	1268 5996	R 7, 8, 10, 11, 12	22
53	CAPACITOR 47μF 35V	1267 9270	C1, C2	2
54	" 330μF 6V	1267 9403	C3, C4, C5	3
55	" 0.12μF	2848 3956	C6 THROUGH C7	57
56	SIL RESISTOR PKG 360Ω	2797 6505	SIL 1	1
57	" " 220Ω	2799 7204	SIL 2	1
58	CRYSTAL 17.6256 MHZ	1627 5547	CR 1	1
59	SOCKET	1239 1306	—	19
60	SPRING LINK	1536 3674	L1-L7	8
61	SOLDER LINK	1377 1845	L 8	1
62	BUS BAR	2797 8444	—	3
63	50 WAY HEADER	2799 5182	—	1
64				

TABLE 2

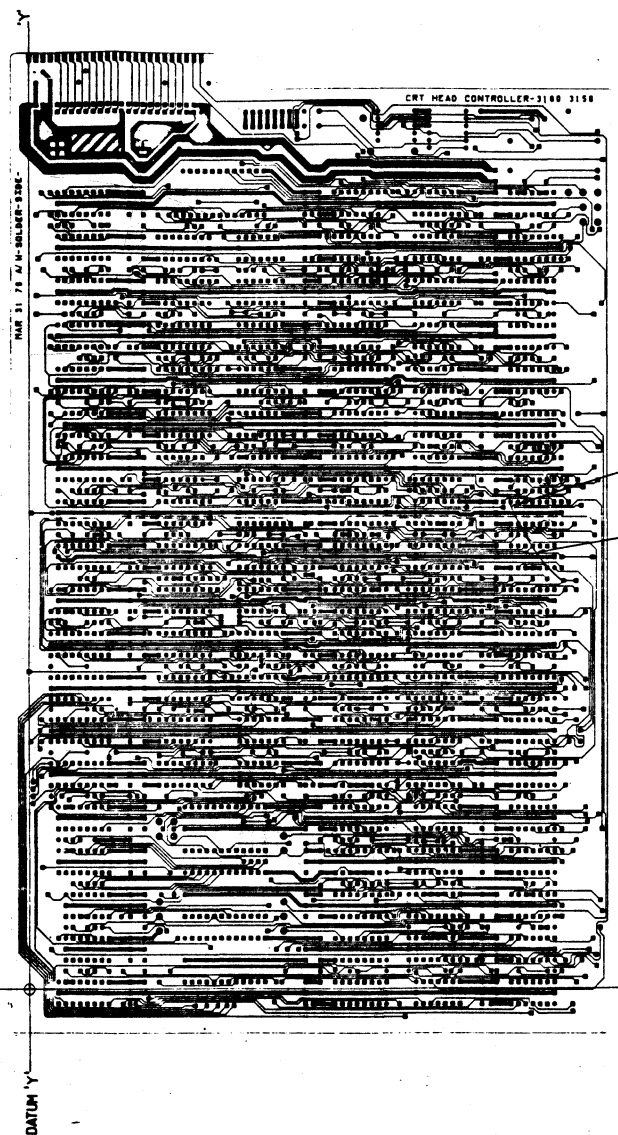
LINK	IN	DESCRIPTION	IN	DESCRIPTION	OUT
L1	A-B	1920 (24X80) CHAR. DISPLAY (ONLY)	B-C	NORMAL USE	
L2	A-B	FIELD ATTRIBUTES			CHARACTER ATTRIBUTES
L3	A-B	256 (8X32) CHAR. DISPLAY (ONLY)			NORMAL USE
L4	A-B	50 Hz			60 Hz
L5	A-B	50 Hz SYNC	B-C	60 Hz SYNC	
L6	A-B-C-D	ALWAYS	A-C/B-D	NEVER	
L7	A-B	252 CHARACTERS	B-C	128 CHARACTERS	
L8	A-B	ALWAYS			

TABLE 3

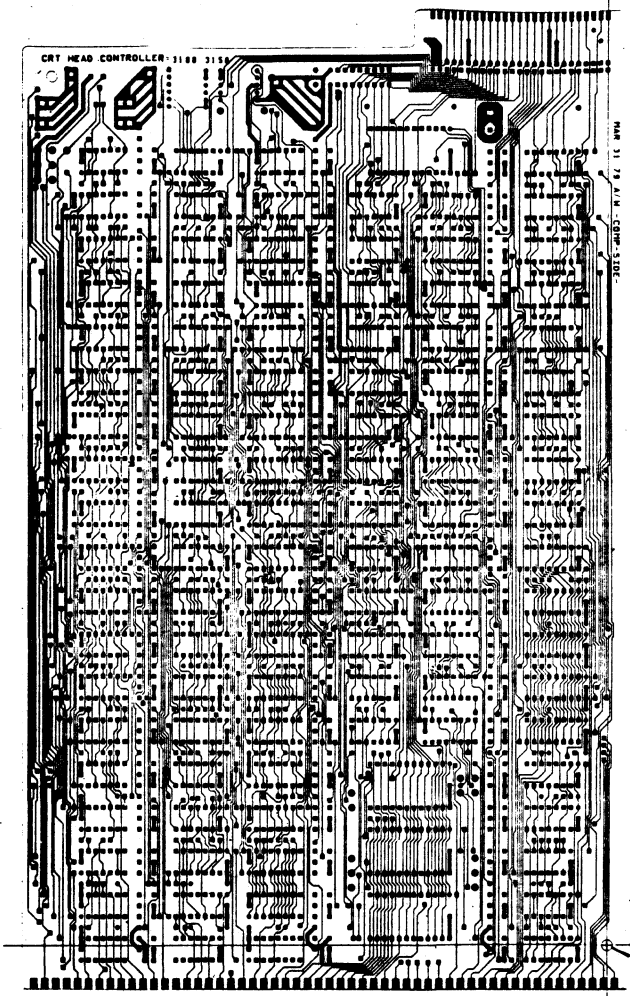
ER N°	DISPLAY CONTROLLER DESCRIPTION	(PARTS LIST) TOP UNIT N°	LOC B/C		
			B/C 15 CG1	B/C 17 CG2	B/C 18 CG3
3180 6631	02902 EUROPEAN V1-10	3180 4016	—	2797 8964	—
3180 6649	02903 TURKEY & ICELAND	3180 4022	—	2799 5927	—
3180 6656	02904 RUSSIA & GREECE	3180 4022	—	2799 5919	—
3180 6664	02905 ARABIC	3180 4048	3180 0972	2797 8964	3180 0964
3180 6672	02906 FARSI	3180 4057	—	" "	3180 0451
3180 6680	02907 JAPANESE	3180 4055	—	" "	2799 7675
3180 6698	02908 HANGUL	3180 4072	—	" "	2799 7667
3180 6706	03259 REBREW	3180 4081	—	2797 8964	3180 5732

NOTES

- MAXIMUM HEIGHT OF IC PACKAGES IN SOCKET .450 FROM CARD SURFACE.
- INSERT IC PACKAGES IN SOCKETS AFTER FLOW SOLDER.
- ASSEMBLE THESE COMPONENTS AFTER FLOW SOLDER.
- FOR SCHEMATIC SEE SHEETS 1 THRU 11 3180 6748
- FOR BASEBOARD SEE 3180 3150 MAR. 31, 79
- FOR HOLE LOCATIONS SEE SHEET 16, 3180 3150
- FOR SOLDER MASK SEE SHEET 17, 3180 3150
- FOR LEGEND SCREEN PRINT SEE SHEET 18, 3180 3150
- FOR ASSEMBLY SEE 3180 4016, 3180 4022, 3180 4023, 3180 4024, 3180 4025, 3180 4026, 3180 4027, 3180 4028, 3180 4029, 3180 4030, 3180 4031, 3180 4032, 3180 4033, 3180 4034, 3180 4035, 3180 4036, 3180 4037, 3180 4038, 3180 4039, 3180 4040, 3180 4041, 3180 4042, 3180 4043, 3180 4044, 3180 4045, 3180 4046, 3180 4047, 3180 4048, 3180 4049, 3180 4050, 3180 4051, 3180 4052, 3180 4053, 3180 4054, 3180 4055, 3180 4056, 3180 4057, 3180 4058, 3180 4059, 3180 4060, 3180 4061, 3180 4062, 3180 4063, 3180 4064, 3180 4065, 3180 4066, 3180 4067, 3180 4068, 3180 4069, 3180 4070, 3180 4071, 3180 4072, 3180 4073, 3180 4074, 3180 4075, 3180 4076, 3180 4077, 3180 4078, 3180 4079, 3180 4080, 3180 4081, 3180 4082, 3180 4083, 3180 4084, 3180 4085, 3180 4086, 3180 4087, 3180 4088, 3180 4089, 3180 4090, 3180 4091, 3180 4092, 3180 4093, 3180 4094, 3180 4095, 3180 4096, 3180 4097, 3180 4098, 3180 4099, 3180 4100, 3180 4101, 3180 4102, 3180 4103, 3180 4104, 3180 4105, 3180 4106, 3180 4107, 3180 4108, 3180 4109, 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CUT TRACK BETWEEN
PB PIN'S &
THRU HOLE
LINK PB PIN'S
TO THRU HOLE



- NOTES:-**
- FOR BOARD SPECIFICATION AND OUTLINE SEE DWG. 2799 5232 REV. B.
 - BURROUGHS SPECIFICATION 2850 1005 (GENERAL REQUIREMENTS FOR RIGID DOUBLE-SIDED PRINTED WIRING BOARDS) APPLIES. CONDUCTOR WIDTH AND SPACING TO MEET REQUIREMENTS AS SPECIFIED FOR CLASS 3 PRINTED WIRING BOARDS.
 - CONDUCTIVE MATERIAL WITH SPACING LESS THAN 0.010 FROM ANY CONDUCTOR MUST BE 0.010 MIN. FROM ANY OTHER CONDUCTOR OR CONDUCTIVE MATERIAL.
 - MATERIAL: BURROUGHS TECHNICAL STANDARD MATERIAL SPECIFICATION 1270 6412 EXCEPT THAT THE OVERALL THICKNESS AND TOLERANCE (PARA. 3.1.2.) SHALL BE 0.62 ± 0.05 EPOXY GLASS BASE. LAMINATE TO BE COPPER CLAD, 1oz / FT², TWO SIDES, OR PRODUCT ENGINEERING APPROVED EQUIVALENT.
 - CONDUCTORS & PADS ARE AS PRODUCED BY ARTWORK DATED MAR 31-79

- Contd.**
- EXCEPT FOR TOOLING HOLES, ALL HOLE CENTRES ARE LOCATED IN REFERENCE TO AN 0.025 GRID SYSTEM FROM DATUM [B]. LOCATIONAL TOLERANCES ARE ± 0.03 OF THE SPECIFIED TRUE POSITION. SEE PRINTED WIRING BOARD HOLE LOCATIONS ON SHEET 16 DATED MAR 31-79.
 - U.L. REQUIREMENTS:
 - FINISHED BOARDS, INCLUDING SOLDER MASK MATERIAL AND LEGEND SCREEN PRINT MARKING INK, SHALL BE U.L. APPROVED IN ACCORDANCE WITH U.L. STANDARD 796 AND HAVE A U.L. APPROVED FLAMMABILITY RATING OF 94V-1 MINIMUM. IN ACCORDANCE WITH U.L. STANDARD, 94 BOARDS SHALL BEAR THE MANUFACTURERS IDENTIFICATION AND TYPE NUMBER TOGETHER WITH THE FLAMMABILITY CLASSIFICATION MARK AS AUTHORISED BY U.L.
 - THE PRINTED WIRING BOARD SHALL BE U.L. APPROVED FOR A MINIMUM SOLDERING TEMPERATURE OF 288°C FOR A MINIMUM SOLDERING TIME OF SEVEN SECONDS AND FOR 105°C MINIMUM OPERATING TEMPERATURE.

- UNLESS OTHERWISE SPECIFIED:-**
- PLATE THROUGH ALL HOLES.
 - CHARACTERS GOTHIC .062 HIGH MINIMUM.

INDICATES CHANGES
PRODUCT ENGINEERING
DATE 02 APR 79
REWORK INSTRUCTION
REN 03418

DO NOT SCALE		BASEBOARD	
TECHNICAL SPECIFICATIONS UNLESS OTHERWISE SPECIFIED	GEN. DUAL SPECS TABLE 5543 APPLY	DESIGN CONTROL NO.	CLASSIFICATION CODE 2-7045 LAYOUT No.
FINISHES: NONE - ANGLE - NONE - ANGLE -	DATE: APR 1 1979	DATE: APR 1 1979	 Burroughs SMALL SYSTEMS DIVISION BURROUGHS BUSINESS LIMITED CHURCH BRIDGE, SCOTLAND, U.K.
MATERIAL: AS SPECIFIED	APPROVED BY: P.P.	APPROVED BY: P.P.	
HEAT TREATMENT:	DATE: APR 1 1979	DATE: APR 1 1979	TITLE: SPECIFICATION, CRT HEAD CONTROLLER
SURFACE TREATMENT: AS SPECIFIED	DATE: APR 1 1979	DATE: APR 1 1979	SCALE: A1 ENV. SIZE: 3180-3150 SHEET No. 153 OF 318 REV. A
<small>PRINTED BOARD BY BURROUGHS MUST BE TO SPECIFICATIONS LISTED ON BURROUGHS UNIFORM WORK PRINTS OR EQUIVALENT MANUFACTURING PURPOSES EXCEPT ON BURROUGHS UNIFORM WORK PRINTS OR EQUIVALENT</small>			

A

B

C

D

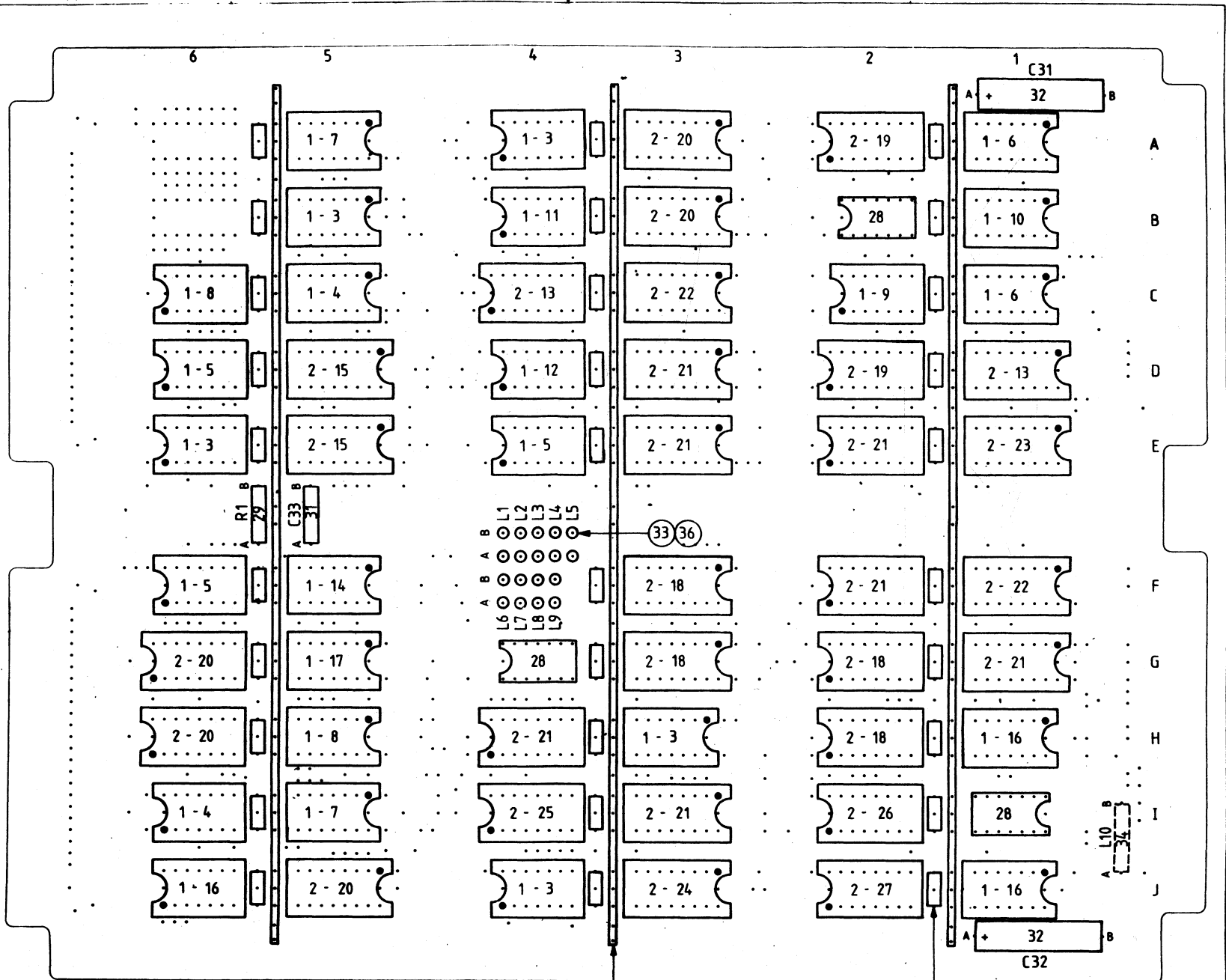
E.R./E.C.N. NUMBER	E.R./E.C.N. DATE	STATUS OF SHEET																		ARTWORK LEVEL	CHANGE DESCRIPTION	DRN	ENG
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18				
ER02898	AUG.10.79	A	A	A	A	A	A	A	A	A	A	A	A							A	NEW RELEASE	AMM	B.C.
ECN03142	AUG.17.79	B	B	B	B	A	B	A	B	B	A	A	A							A	REWORK INSTRUCTION	AMM	B.C.
ECN03143	AUG.24.79	C	C	C	C	A	C	A	C	C	B	B	A							B	CIRCUITRY MODIFIED. TWO PADS REMOVED. TWO PADS ADDED. (NON - COMPONENT). SHEET 2 - PART NOS. FOR ITEMS 13, 16, 24 & 26 ALT. SHEET 3 - ELEMENT T1-1 OF CHIP AT 6D ADDED.	AMM	B.C.
ECN03524	MAR.7.80	D	D	C	C	A	C	A	C	C	B	B	A							B	SHEET 2 - PART 16 WAS 1269 6860	RM	91
ECN03498	MAR.21.80	E	E	D	C	B	C	A	C	C	B	B	A							B	SHT. 2 ITEM 22 WAS 1847 4882, ON LINK DETAILS HDW. SW. COL. ADDED. SHTS. 3 & 5 ALTD.	RM	86

CONT. SCHEMATIC BASED HOLES S/MASK S/PRINT

DRA. TITL. NO. 3180 3612 PAGE 1 OF 12	DSGN CONTROL NO. 108	TITLE P.W.B. SPECIFICATION FOR CRT HOST CONT.				
	DSGN ENGR. DATE	DRAWN A.M.M.	DATE JUL. 27. 79.	DRAWING NO. 3180 3612		
	APPROVED DATE	CHECKED	DATE			
	ENG. LUMP	DATE	DRG. SIZE A1	CLASS CODE 2-7045	REV. E	PAGE 1 of 12

ER 02898
 RELEASED AUG. 10. 79
 PROPRIETARY TO BURROUGHS NOT TO BE REPRODUCED NOR USED FOR MANUFACTURING PURPOSES EXCEPT ON BURROUGHS ORDER OR PRIOR WRITTEN CONSENT

Burroughs
 SMALL SYSTEMS DIVISION
 BURROUGHS MACHINES LIMITED
 CUMBERNAULD SCOTLAND U.K.



- NOTES:
1. MAXIMUM HEIGHT OF IC PACKAGES IN SOCKET 0.450 FROM CARD SURFACE.
 2. INSERT IC PACKAGES IN SOCKETS AFTER FLOW SOLDER.
 3. ASSEMBLE THESE COMPONENTS AFTER FLOW SOLDER.

- UNLESS OTHERWISE SPECIFIED:
1. MAXIMUM HEIGHT OF COMPONENTS .30 FROM BOARD SURFACE.
 2. SOLDER ALL TERMINATIONS, SEE SPECIFICATION 81 F.
 3. LEAD PROTRUSION FROM BOARD SURFACE .06 MAX.

LIST OF COMPONENTS(REF)

ITEM	DESCRIPTION	PART NO	CODE	REQ
1	SOCKET, 14 PIN	2603 8281		25
2	" 16 PIN	2603 8299		29
3	I.C. SN7400	1447 3516	T2-N	5
4	" SN7402	2600 4911	T2NN	2
5	" SN7404	1447 3532	T1-N	3
6	" SN7406	1674 4963	IHDN	2
7	" SN7408	1447 3524	T2AN	2
8	" SN7410	1447 3540	T3-N	2
9	" SN74511	2600 1511	T3AS	1
10	" SN7417	2600 1669	T1AN	1
11	" SN7420	1447 3565	T4-N	1
12	" SN7430	1447 3573	T8-N	1
13	" SN7442	1449 2581	DCBN	2
14	" SN7474	1447 3607	DF-N	1
15	" SN745112	2602 7417	S112	2
16	" SN74128	1848 4576	BM2N	3
17	" SN74132	2600 6726	TS2N	1
18	" SN74153	1447 3714	S4-N	4
19	" SN74157	1447 3797	S2-N	2
20	" SN74174	1449 1260	DR6N	5
21	" SN74175	1449 1278	DR4N	7
22	" 8T26	1270 8699	BR6N	2
23	" 8096	2602 7292	T1TS	1
24	" STATE 'S1' PROM	3100 5575	SPRO	1
25	" AUX. STATE PROM	2799 6057	ASPRO	1
26	" O/P 'A1' PROM	3100 5583	DAPRO	1
27	" O/P 'B2' PROM	3100 4560	OBPRO	1
28	D.I.L. RES. PACK 1KA	2571 1912		3
29	RESISTOR, 390A, 1/4W	1260 1219		1
30	CAPACITOR, .12μF	2840 3956		30

ITEM	DESCRIPTION	PART NO	CODE	REQ
31	CAPACITOR, 2,200pF	2300 5614		1
32	" 100μF, 20V	1267 9361		2
33	LINK SOCKET	1239 1306		18
34	WIRE LINK	1377 1845	A.R.	SEE TABLE
35	BUSBAR	2849 5786		3
36	SPRING LINK	1536 3674	A.R.	SEE TABLE
37				
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LINK DETAILS					
256/1920 (HARDWARE SWITCH) JAPAN	OUT	OUT	OUT	IN	IN
256/1920 (HARDWARE SWITCH) EUROPE	OUT	OUT	OUT	OUT	OUT
256/1920 (SOFTWARE SELECTABLE)	OUT	OUT	OUT	OUT	OUT
1920 FIXED DISPLAY	OUT	OUT	OUT	OUT	OUT
256 FIXED (SELF-SCAN EMULATOR)	OUT	OUT	OUT	OUT	OUT
L1	OUT	OUT	OUT	IN	IN
L2	OUT	OUT	OUT	OUT	OUT
L3	OUT	OUT	OUT	OUT	OUT
L4	128 CHAR	OUT	OUT	OUT	—
	252 CHAR	IN	IN	IN	—
L5	OUT	IN	OUT	OUT	OUT
L6	OUT	IN	IN	OUT	OUT
L7	IN	OUT	OUT	IN	IN
L8	IN	OUT	OUT	IN	OUT
L9	OUT	IN	IN	OUT	IN
L10	OUT	OUT	OUT	OUT	OUT

L1 THRU L9 — 1536 3674
L10 — 1377 1845

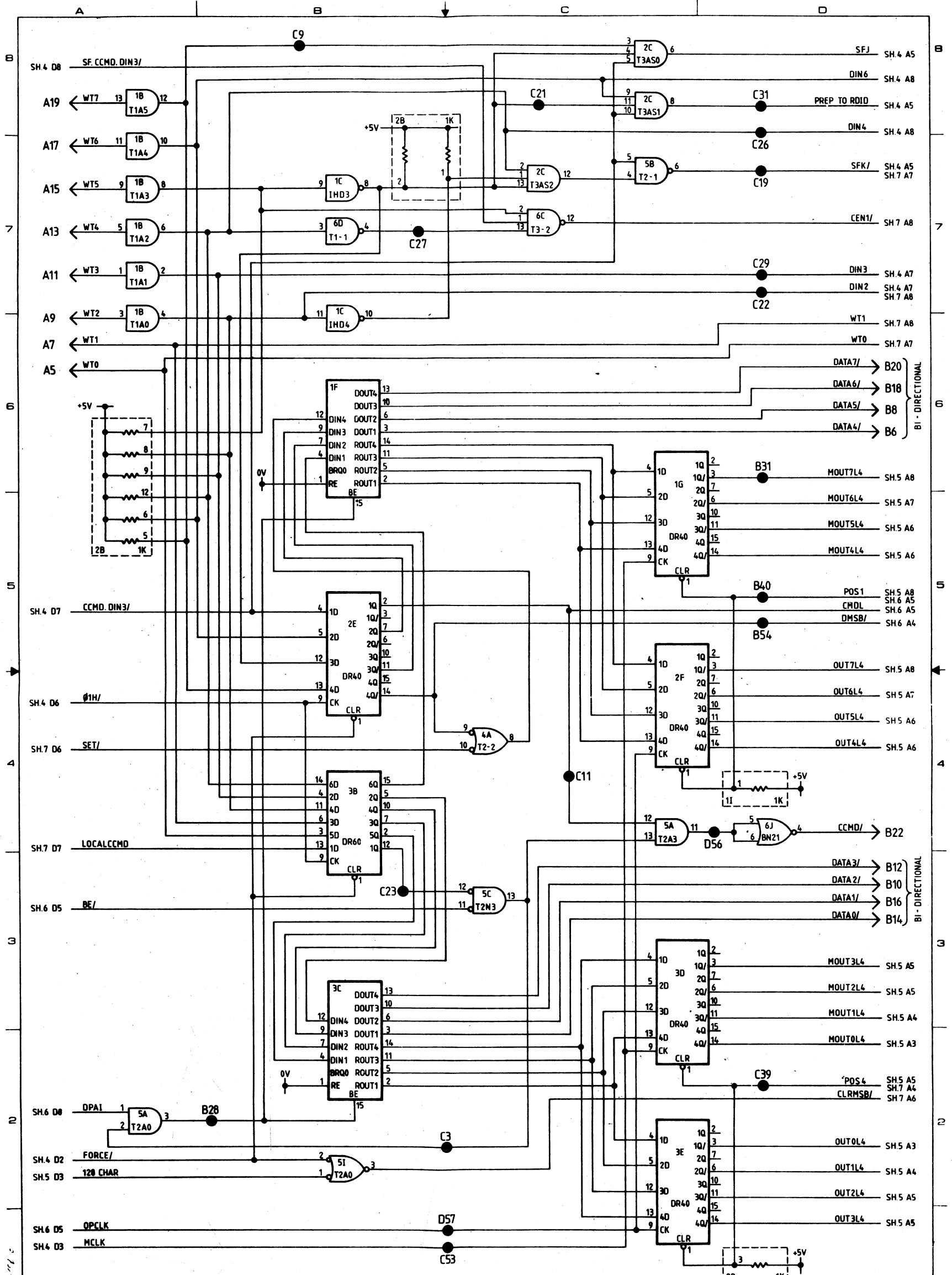
FOR SCHEMATIC SEE SHEETS 2 THRU 8
FOR BASE BOARD SEE SHEET 9
FOR HOLE LOCATIONS SEE SHEET 10
FOR SOLDER MASK SEE SHEET 11
FOR LEGEND SCREEN PRINT SEE SHEET 12
FOR PARTS LIST SEE 3180 3620

DO NOT SCALE

3180 3612 2 of 12	ER 02898 AUG 10 79	SMALL SYSTEMS DIVISION BURROUGHS MACHINES LIMITED LONDON W8 5AH ENGLAND	DESIGNER: [] DATE: []	TITLE: P.W.B. SPECIFICATION FOR CRT. HOST CONT.	DRAWN: [] DATE: []	AMM: [] DATE: []	JUL 27. 79	DRAWING NO: 3180 3612
			APPROVED: [] DATE: []	CHECKED: [] DATE: []	DRG. SIZE: A1	CLASS. CODE: 2-7045	REV: E	PAGE: 2 of 12

INPUTS

OUTPUTS



3180 3612
 3 OF 12

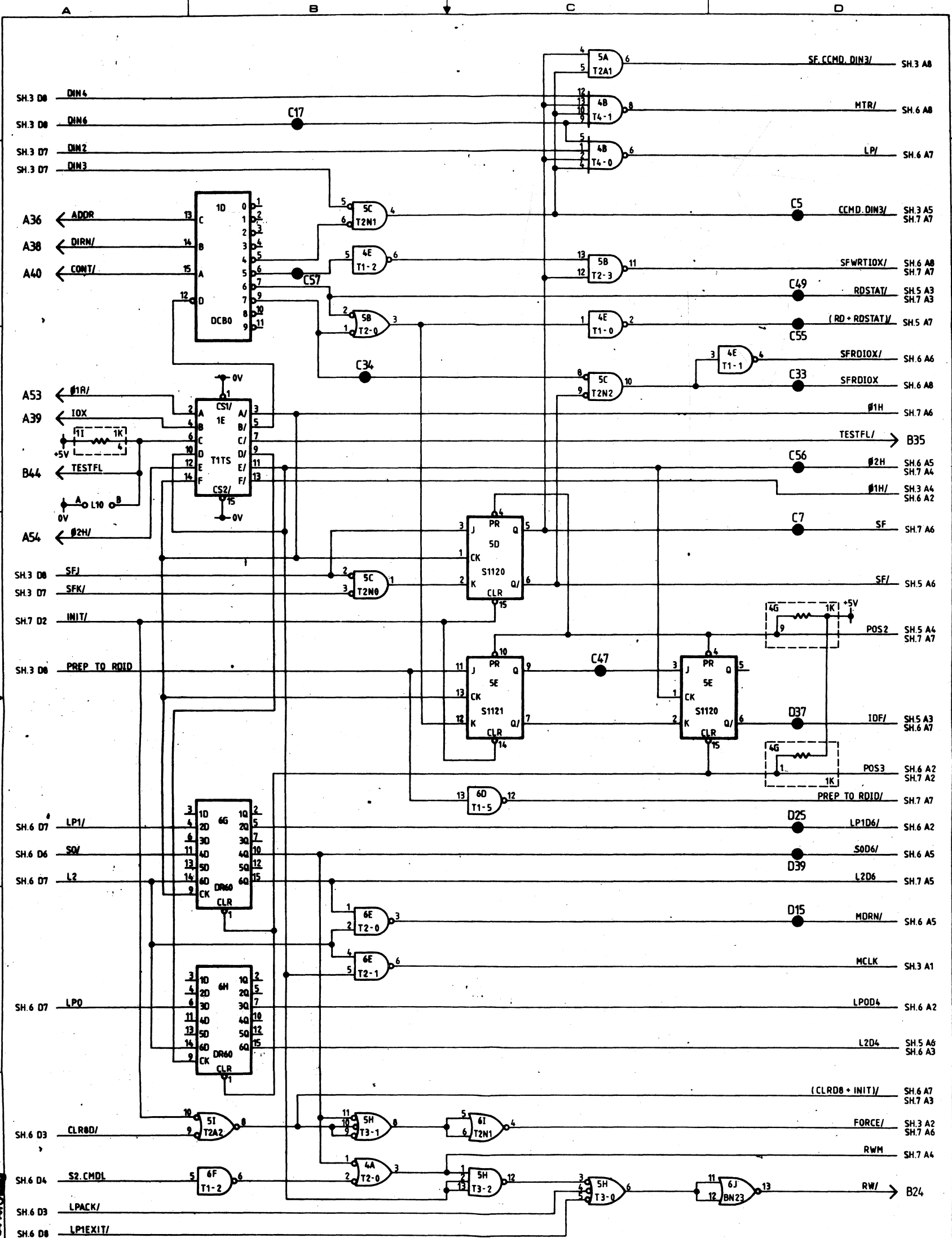
RELEASED
 AUG 10 79
 ER 02898

Burroughs
 SMALL SYSTEMS DIVISION
 BURROUGHS MACHINES LIMITED
 CUMBERNAULD, SCOTLAND, U.K.

DSGN CONTROL 308
 TITLE P.W.B. SPECIFICATION FOR CRT HOST CONT.
 DSGN ENGR DATE 5/18/74
 APPROVED DATE 8/3/79
 ENG COMP DATE
 DRAWN A.M.M. DATE JUL 27 79
 CHECKED DATE
 DNG SIZE A1 CLASS COEF 2-7045
 REV D PAGE 3 OF 12

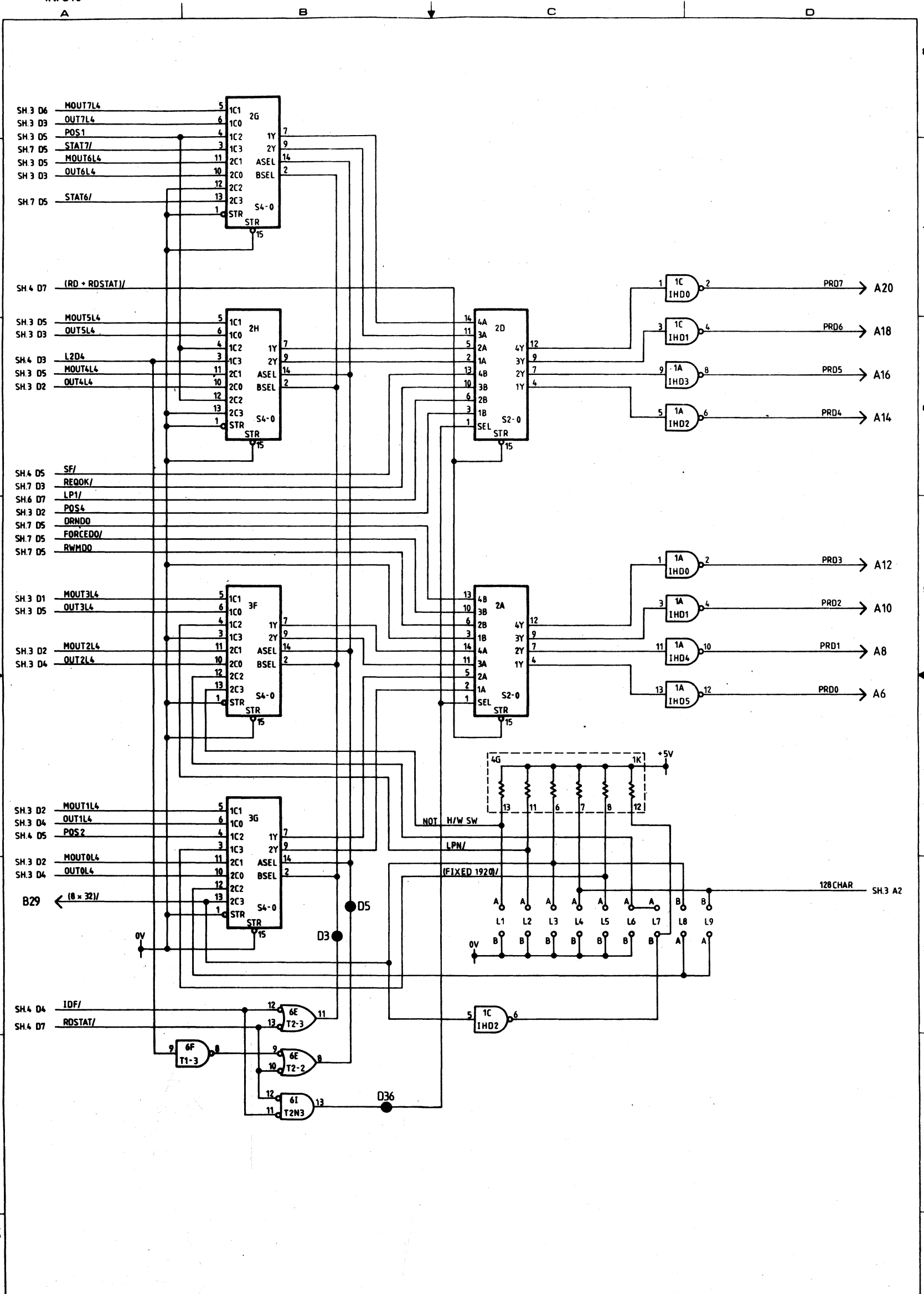
INPUTS

OUTPUTS



ORIGINAL

31803612 4 of 12	ER 02898 REV	RELEASED AUG 10 79 ER 02898 REV	Burroughs SMALL SYSTEMS DIVISION BURROUGHS MACHINES LIMITED CUMBERNAULD, SCOTLAND, U.K.	DSGN CONTROL 308 TITLE P.W.B. SPECIFICATION FOR CRT. MOST CONT.	DSGN/ENGR DATE 8/15/79 APPROVED DATE 8.5.79 ENG. COMP	DRAWN A.M.M. CHECKED DATE	DATE JUL. 27.79	DRAWING No. 3180 3612	CLASS CODE A1	REV C	PAGE 4 OF 12
	PROPRIETARY TO BURROUGHS NOT TO BE REPRODUCED NOR USED FOR MANUFACTURING PURPOSES EXCEPT ON BURROUGHS ORDER OR PRIOR WRITTEN CONSENT										
	DATE 8/15/79										
	CLASS CODE 2-7045										

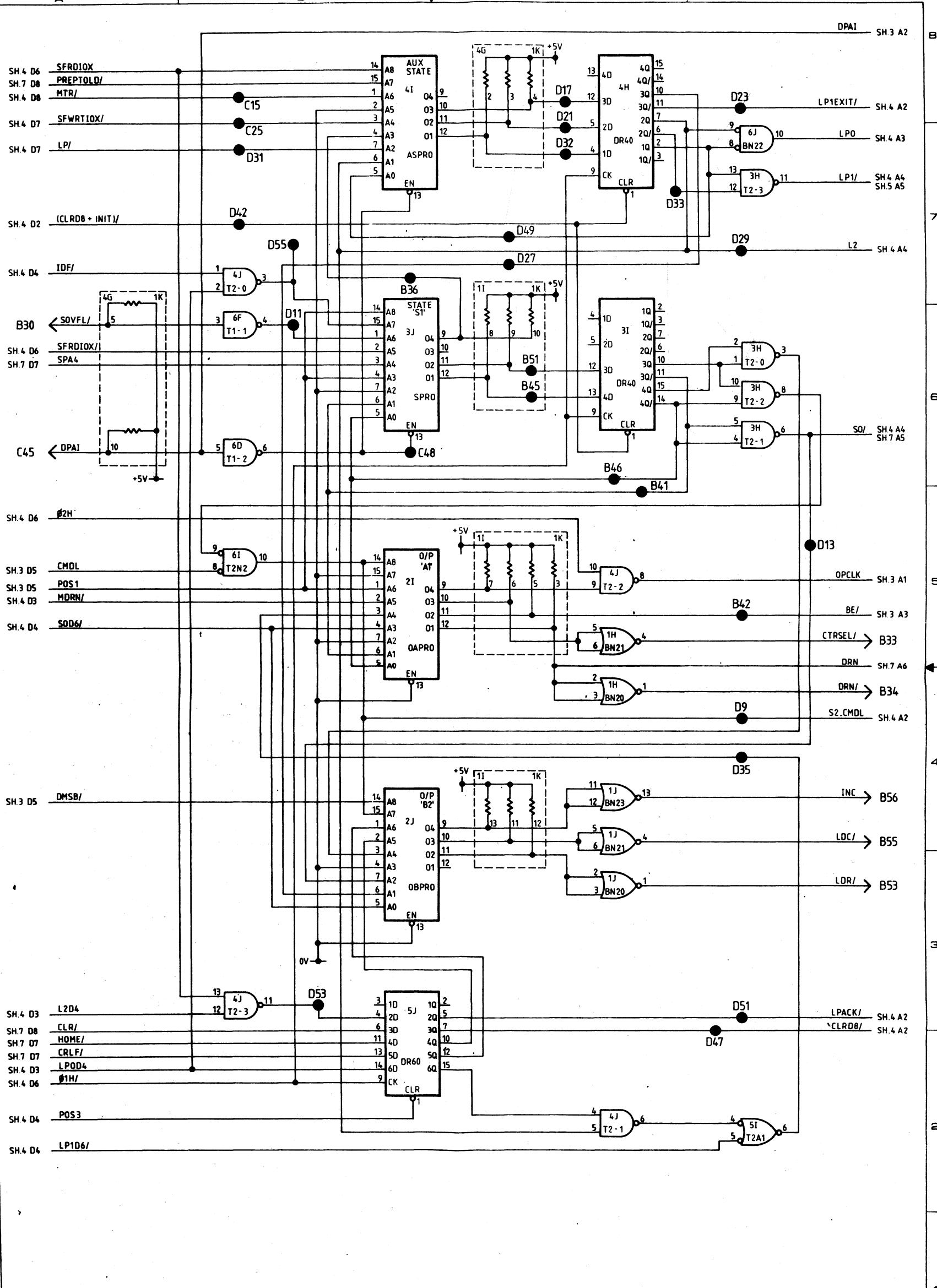


DRAWING No. 3180 3612	ER 02898	RELEASED AUG. 10, 79	Burroughs SMALL SYSTEMS DIVISION BURROUGHS MACHINES LIMITED CLUMBERNAULD, SCOTLAND, U.K.		DESGN. CONTROL 308	TITLE P.W.B. SPECIFICATION FOR CRT. HOST CONT.				
			DATE 8/8/79	DRAWN A.M.M.	DATE JUL. 27, 79	CHECKED DATE	DRAWING No. 3180 3612			
5 of 12	DATE 5-8-79	DATE	DATE	DATE	ENG. COMP.	DATE	DRG. SIZE A1	CLASS CODE 2-7045	REV. B	PAGE 5 of 12

PROPRIETARY TO BURROUGHS. NOT TO BE REPRODUCED NOR USED FOR MANUFACTURING PURPOSES EXCEPT ON BURROUGHS ORDER OR PRIOR WRITTEN CONSENT.

INPUTS

OUTPUTS

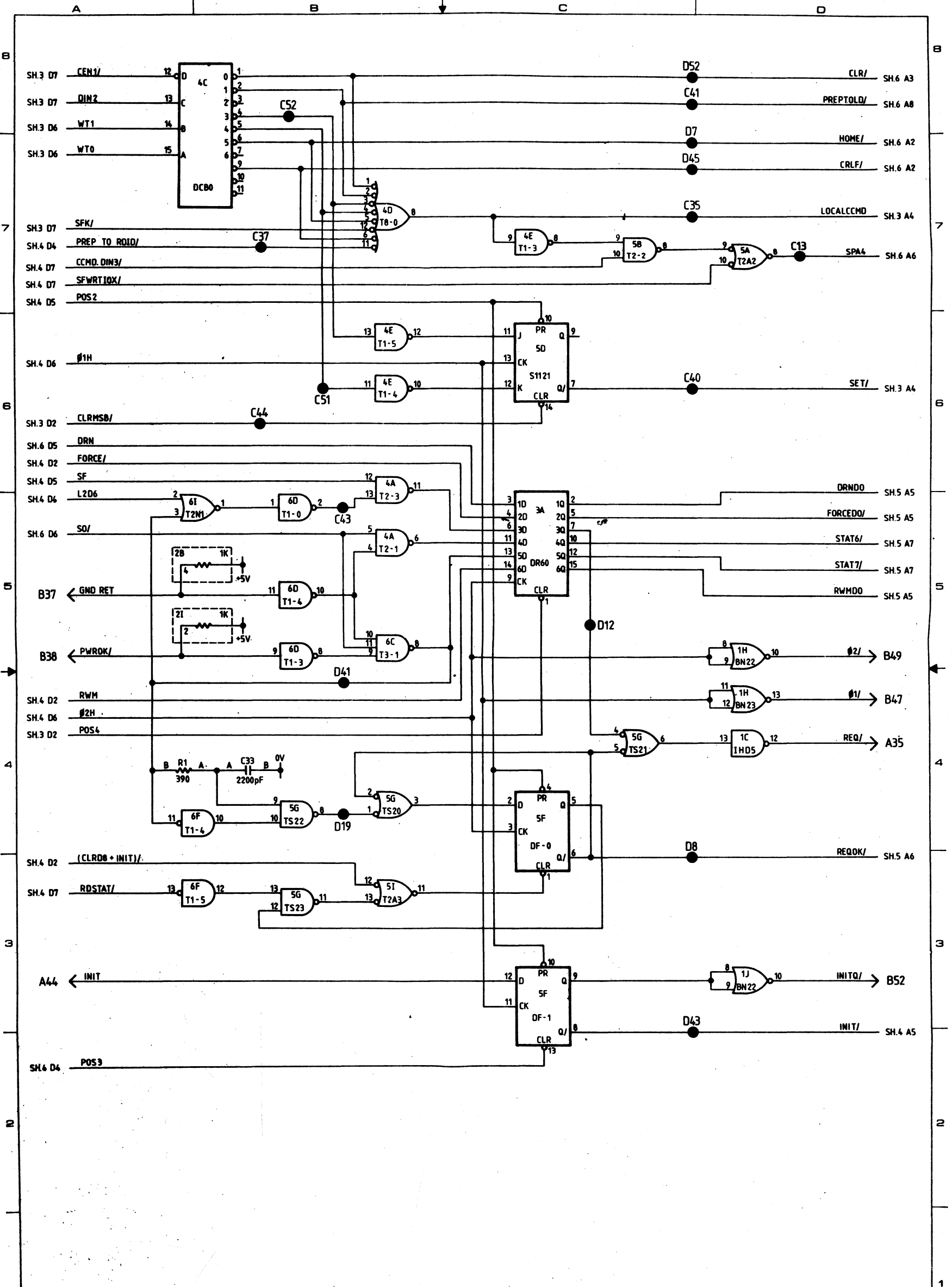


ORIGINAL

DRAWING NO. 3180 3612 PAGE 6 OF 12	RELEASED AUG. 10, 79	 SMALL SYSTEMS DIVISION BURROUGHS MACHINES LIMITED CUMBERNAULD, SCOTLAND, U.K.	DSGN CONTROL 308		TITLE P.W.B. SPECIFICATION FOR CRT. HOST CONT.			
	ER 02898		DSGN/ENGR DATE	DATE JUL. 27, 79	DRAWN A.M.M.	CHECKED DATE	DRAWING NO. 3180 3612	
	PAGE 6 OF 12		APPROVED DATE	DATE 8 2 79	CHECKED	DATE	CLASS CODE 2-7045	REV C
	PROPRIETARY TO BURROUGHS NOT TO BE REPRODUCED NOR USED FOR MANUFACTURING PURPOSES EXCEPT ON BURROUGHS ORDER OR PRIOR WRITTEN CONSENT		ENG COMP DATE	DRG SIZE A1	CLASS CODE 2-7045	REV C	PAGE 6 OF 12	

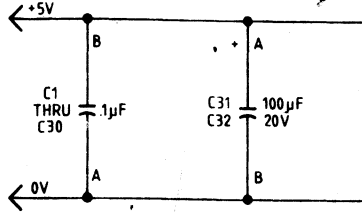
INPUTS

OUTPUTS

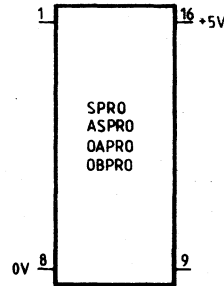
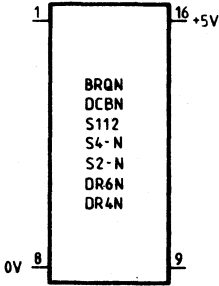
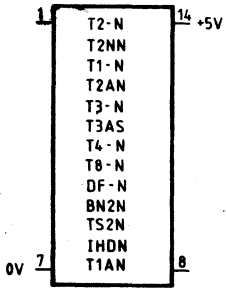


3180 3612 7 of 12	RELEASED AUG 10 1979 PAGE 6 OF 12 ER 02898	 SMALL SYSTEMS DIVISION BURROUGHS MACHINES LIMITED CUMBERNAULD, SCOTLAND, U.K.	DESGN. CONTROL 388	TITLE P.W.B. SPECIFICATION FOR CRT. HOST CONT.				
			APPROVED DATE 8-8-79	DATE 8/8/79	DRAWN A.M.M.	DATE JUL. 27. 79	DRAWING No. 3180 3612	
PROPRIETARY TO BURROUGHS NOT TO BE REPRODUCED NOR USED FOR MANUFACTURING PURPOSES EXCEPT ON BURROUGHS ORDER OR PRIOR WRITTEN CONSENT.			ENG. COMP.	DATE	DRG. SIZE A1	CLASS CODE 2-7045	REV A	PAGE 7 of 12

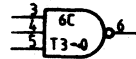
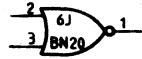
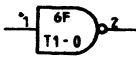
A2, A4, B58, B60



A1, A3, A59
 B1, B5, B7, B9,
 B11, B13, B15, B17,
 B19, B21, B23, B25
 B27, B48, B50
 C1, C2, C59, C60
 D1, D2, D59, D60



SPARE GATES



DRAWING No. 3180 3612	PAGE 8 of 12	RELEASED AUG. 10. 79	 SMALL SYSTEMS DIVISION BURROUGHS MACHINES LIMITED CLAMBERNAULD, SCOTLAND, U.K.	DSGN CONTROL 308	TITLE PWB SPECIFICATION FOR CRT HOST CONT.				
		ER. 02898 PAGE E.R. DATE REV		APPROVED DATE 5 8 79	DSGN ENGR DATE 5 8 79	DRAWN A.M.M.	DATE JUL 27 79	DRAWING No. 3180 3612	
PROPRIETARY TO BURROUGHS. NOT TO BE REPRODUCED NOR USED FOR MANUFACTURING PURPOSES EXCEPT ON BURROUGHS ORDER OR PRIOR WRITTEN CONSENT				ENG COMP	DATE	DRG. SIZE A1	CLASS CODE 2-7045	REV C	PAGE 8 of 12

Burroughs Corporation		PLYMOUTH PLANT		PLYMOUTH, MICHIGAN		DWG. NO. 2769 7424	A
<small>PROPRIETARY TO BURROUGHS CORP. — NOT TO BE REPRODUCED NOR USED FOR MANUFACTURING PURPOSES EXCEPT ON BURROUGHS ORDER OR PRIOR WRITTEN CONSENT.</small>							
DSGN OR ENGR	DATE	CHECKED	DATE	APPROVED	DATE	SHEET 1 OF 5	
PETERSEN	1-15-79	<i>Berndt</i>	1-18-79	<i>C. Jensen</i>	1/18/79	TITLE HARNES, CRT	
LABORATORY	DATE	COMPONENTS	DATE	CLASS CODE	REV. DATE	RELEASED	8-1-78
				2-1522		ER 62519	A

DWG. NO. 2769 7424

NOTES:

1. FOR SCHEMATIC SEE 2769 5220
2. TERMINATIONS MUST MEET SPEC DWG 81F.
3. REF DESIGNATIONS AND REF PART NUMBERS MAY NOT BE VALID FOR ALL SYSTEMS.
4. USE PVC SLEEVING 1117 8035 AS REQUIRED PER HARNES LAYOUT.

UNLESS OTHERWISE SPECIFIED:

WIRE COLOR IS WHITE
 WIRE CODE 24=24 AWG, 7/32 STRANDING
 1944 3191 WHITE
 WIRE CODE 20=20 AWG, 10/30 STRANDING
 1940 9192 WHITE
 WIRE CODE W1=WIRING IS CONTAINED IN A COMMERCIAL CABLE

*** INDEX ***

REF DES	DESCRIPTION	PART NUMBER(S)	REV
CRT	60S I/O CONNECTOR	2850 4462, 2851 6839(2), 2769 8661	
P1	50S D TYPE CONN	1101 6334, 1266 8505, 1256 0322(2) 1256 7426(2)	
P2	8S PWB CONN	1083 1378	
P3	5S PWB CONN	1532 8057	
W1	2 COND TWISTED PAIR	2572 7066	
	TERMINATOR	1101 6359 49 REQD	
	TERMINATOR	1532 8040 10 REQD	
	TERMINATOR	2851 5039 41 REQD	
	TIE STRAP	1472 3944 14 REQD	
	RETAINING STRAP	1472 1955 5 REQD	

GEN QUAL SPECS APPLY

WIRE NO.	WIRE CODE	WIRE COLOR	WIRE LG	MARK WIRE	SLEEVING	TERMI-NATOR	FROM	TO	TERMI-NATOR	SLEEVING	MARK WIRE	REV
1	W1				-	2851 5039	CRT-B05	P1-22	1101 6359	-		
2	W1	3			-	2851 5039	CRT-B06	P1-05	1101 6359	-		
THE PRECEDING TWO WIRES ARE A REQUIRED TWISTED PAIR												
3	W1				-	2851 5039	CRT-B07	P1-23	1101 6359	-		
4	W1	3			-	2851 5039	CRT-B08	P1-06	1101 6359	-		
THE PRECEDING TWO WIRES ARE A REQUIRED TWISTED PAIR												
5	W1				-	2851 5039	CRT-B09	P1-20	1101 6359	-		
6	W1	3			-	2851 5039	CRT-B10	P1-3	1101 6359	-		
THE PRECEDING TWO WIRES ARE A REQUIRED TWISTED PAIR												
7	W1				-	2851 5039	CRT-B11	P1-21	1101 6359	-		
8	W1	3			-	2851 5039	CRT-B12	P1-4	1101 6359	-		
THE PRECEDING TWO WIRES ARE A REQUIRED TWISTED PAIR												
9	W1				-	2851 5039	CRT-B13	P1-18	1101 6359	-		
10	W1	3			-	2851 5039	CRT-B14	P1-1	1101 6359	-		
THE PRECEDING TWO WIRES ARE A REQUIRED TWISTED PAIR												
11	W1				-	2851 5039	CRT-B15	P1-19	1101 6359	-		
12	W1	3			-	2851 5039	CRT-B16	P1-2	1101 6359	-		
THE PRECEDING TWO WIRES ARE A REQUIRED TWISTED PAIR												
13	W1				-	2851 5039	CRT-B17	P1-24	1101 6359	-		
14	W1	3			-	2851 5039	CRT-B18	P1-7	1101 6359	-		
THE PRECEDING TWO WIRES ARE A REQUIRED TWISTED PAIR												

HARNESS, CRT
BURROUGHS CORP.-PLYMOUTH PLANT-

RELEASE DATE 8-1-78
REV A

PART NO. 2769 7424
SHEET 2 OF 5

WIRE NO.	WIRE CODE	WIRE COLOR	WIRE LG	MARK WIRE	SLEEVING	TERMI-NATOR	FROM	TO	TERMI-NATOR	SLEEVING	MARK WIRE	REV
15	W1				-	2851 5039	CRT-B19	P1-25	1101 6359	-		
16	W1	3			-	2851 5039	CRT-B20	P1-8	1101 6359	-		
THE PRECEDING TWO WIRES ARE A REQUIRED TWISTED PAIR												
17	W1				-	2851 5039	CRT-B21	P1-30	1101 6359	-		
18	W1	3			-	2851 5039	CRT-B22	P1-13	1101 6359	-		
THE PRECEDING TWO WIRES ARE A REQUIRED TWISTED PAIR												
19	W1				-	2851 5039	CRT-B23	P1-28	1101 6359	-		
20	W1	3			-	2851 5039	CRT-B24	P1-11	1101 6359	-		
THE PRECEDING TWO WIRES ARE A REQUIRED TWISTED PAIR												
21	W1				-	2851 5039	CRT-B25	P1-29	1101 6359	-		
22	W1	3			-	2851 5039	CRT-B34	P1-12	1101 6359	-		
THE PRECEDING TWO WIRES ARE A REQUIRED TWISTED PAIR												
23	24				-	2851 5039	CRT-B26	P1-39	1101 6359	-		
24	24				-	2851 5039	CRT-B29	P1-14	1101 6359	-		
25	24				-	2851 5039	CRT-B30	P1-35	1101 6359	-		
26	24				-	2851 5039	CRT-B32	P1-34	1101 6359	-		
27	24				-	2851 5039	CRT-B33	P1-41	1101 6359	-		
28	24				-	2851 5039	CRT-B35	P1-40	1101 6359	-		
29	24				-	2851 5039	CRT-B37	P1-36	1101 6359	-		
30	24				-	2851 5039	CRT-B38	P1-46	1101 6359	-		

HARNESS, CRT
BURROUGHS CORP.-PLYMOUTH PLANT-

RELEASE DATE 8-1-78
REV A

PART NO. 2769 7424
SHEET 3 OF 5

WIRE NO.	WIRE CODE	WIRE COLOR	WIRE LG	MARK WIRE	SLEEVING	TERMI-NATOR	FROM	TO	TERMI-NATOR	SLEEVING	MARK WIRE	REV
31	24				-	2851 5039	CRT-B43	P1-38	1101 6359	-		
32	24				-	2851 5039	CRT-B44	CRT-B03	2851 5039	-		
33	W1		3		-	2851 5039	CRT-B47	P1-09	1101 6359	-		
34	W1				-	2851 5039	CRT-B48	P1-26	1101 6359	-		
THE PRECEDING TWO WIERS ARE A REQUIRED TWISTED PAIR												
35	W1		3		-	2851 5039	CRT-B49	P1-10	1101 6359	-		
36	W1				-	2851 5039	CRT-B50	P1-27	1101 6359	-		
THE PRECEDING TWO WIRES ARE A REQUIRED TWISTED PAIR												
37	24				-	2851 5039	CRT-B52	P1-45	1101 6359	-		
38	24				-	2851 5039	CRT-B53	P1-43	1101 6359	-		
39	24				-	2851 5039	CRT-B55	P1-42	1101 6359	-		
40	24				-	2851 5039	CRT-B56	P1-44	1101 6359	-		
41	20				-	1532 8040	P2-1	P1-15	1101 6359	-		
42	20				-	1532 8040	P2-2	P1-16	1101 6359	-		
43	20				-	1532 8040	P2-6	P1-17	1101 6359	-		
44	20				-	1532 8040	P2-7	P1-33	1101 6359	-		
45	20				-	1532 8040	P2-8	P1-32	1101 6359	-		
46	20				-	1532 8040	P3-1	P1-31	1101 6359	-		
47	20				-	1532 8040	P3-2	P1-50	1101 6359	-		
48	20				-	1532 8040	P3-3	P1-49	1101 6359	-		

HARNESS, CRT
BURROUGHS CORP.-PLYMOUTH PLANT-

RELEASE DATE 8-1-78
REV A

PART NO. 2769 7424
SHEET 4 OF 5

WIRE NO.	WIRE CODE	WIRE COLOR	WIRE LG	MARK WIRE	SLEEVING	TERMI-NATOR	FROM	TO	TERMI-NATOR	SLEEVING	MARK WIRE	REV
49	20				-	1532 8040	P3-4	P1-48	1101 6359	-		
50	20				-	1532 8040	P3-5	P1-47	1101 6359	-		

HARNESS, CRT
BURROUGHS CORP.-PLYMOUTH PLANT-

RELEASE DATE 8-1-78
REV A

PART NO. 2769 7424
SHEET 5 OF 5

Burroughs Machines Ltd.

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CUMBERNAULD, SCOTLAND.

SHEET

1 of 4

DWG. No.

2797 8295

REV.

F

TITLE

C.R.T. HARNESS

DRAWN	DATE	DESIGN ^{or} ENGB W. BIENKOWSKI	DATE 20/11/78
COMPONENT APPV. Dulmage	DATE 25/11/78	APPROVED CFC	DATE 21/11/78

DESIGN CONTROL 308	DWG. TYPE	DWG. SIZE	CLASS CODE 2-1522	RELEASE DATE MFG. MAY 19 78
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REV. F
DWG. No. 2797 8295

ER 01687 MFG.
ECN 02149 MFG B
P.B. OCT. 27-78
PAGES 3 & 4 ALT'D.
ECN 02228 MFG C
C.B. DEC. 1 78 MFG
SHEET 2 REDRAWN
ECN 02510 MFG D
G.W. JAN 11-79 RK
PAGES 2,3 & 4 ALTERED
ECN 02632 MFG E
A.R. JAN. 20,79
SHEET 3 ALTERED
EMERGENCY
ECN 02795 MFG F
A.R. APR. 13,79
SHEET 4 ALTERED
EMERGENCY

ORIGINAL

Burroughs Machines Ltd.

CUMBERNAULD, SCOTLAND.

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PRIOR WRITTEN CONSENT.

DESIGN
CONTROL
308

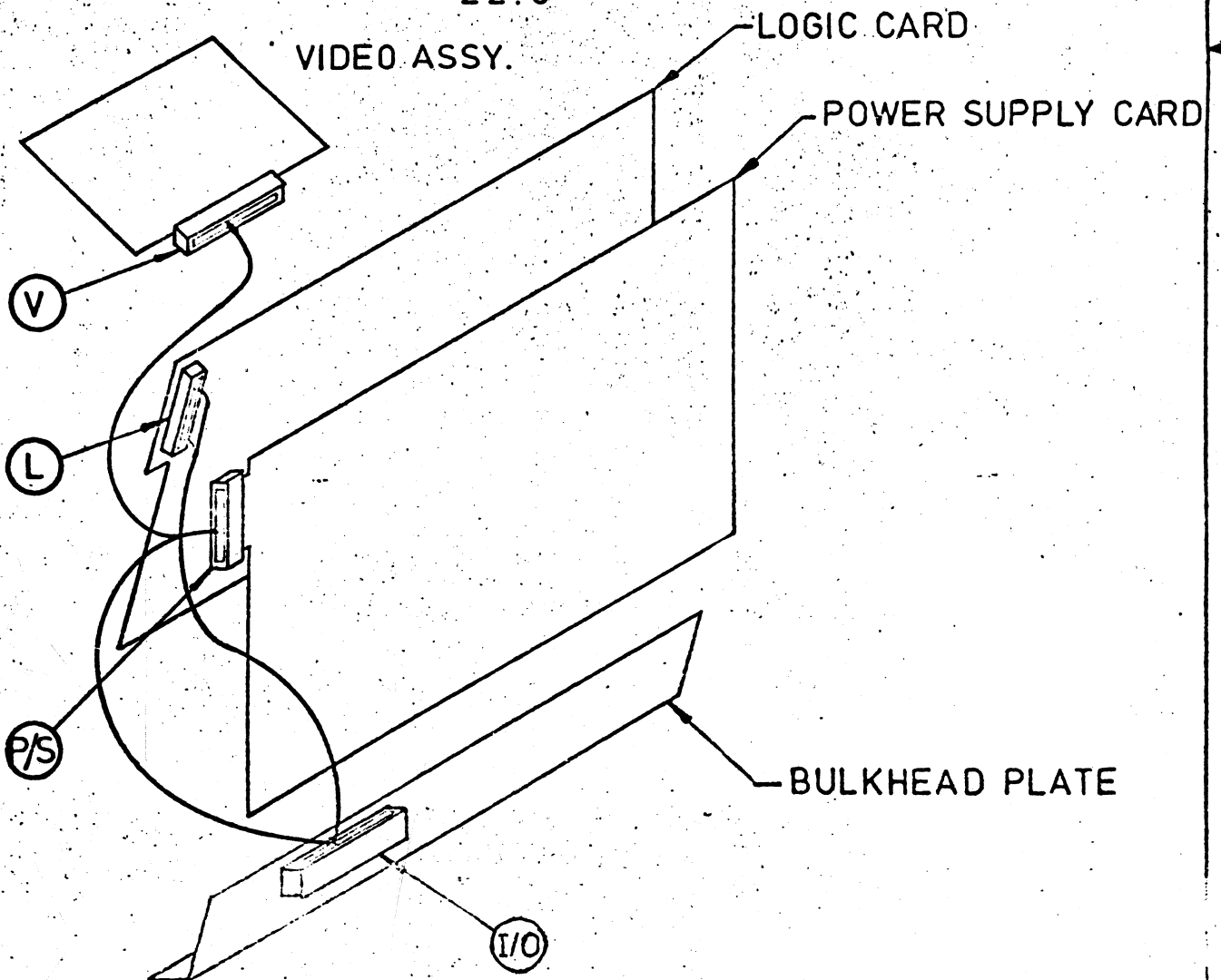
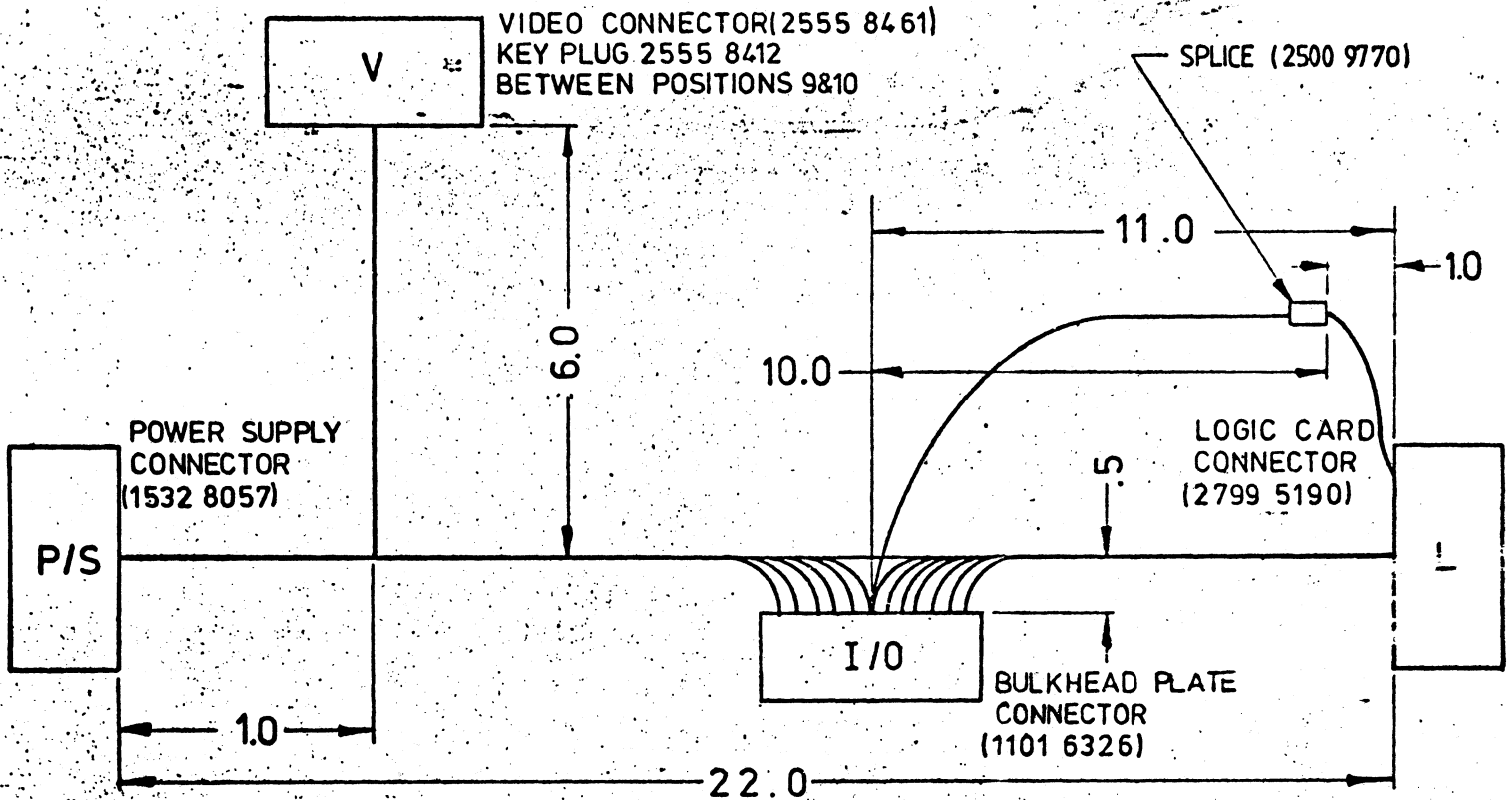
DWG. No. 2797 8295

REV.
F

TITLE:-
CRT HARNESS

DESIGN ENGR	DATE	DRAWN	DATE	APPROVED	DATE
CHECKED BY	DATE	COMPONENTS	DATE	CLASS CODE	DWG. SIZE
				21522	

DWG. TYPE W.L.	SHEET 2 of 4	RELEASED:-
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Burroughs Machines Ltd.

CUMBERNAULD, SCOTLAND.

PROPRIETARY TO BURROUGHS - NOT TO BE REPRODUCED OR USED FOR MANUFACTURING PURPOSES EXCEPT ON BURROUGHS ORDER OR PRIOR WRITTEN CONSENT.

DESIGN CONTROL 308
 DWG. No. 2797 8295
 TITLE:- C.R.T. HARNESS
 REV. F

DESIGNED BY	DATE	DRAWN	DATE	APPROVED	DATE
				<i>R. G. G.</i>	27.10.78

CHECKED BY	DATE	COMPONENTS	DATE	CLASS CODE	DWG. SIZE	DWG. TYPE	SHEET 3 of 4	RELEASED:-
<i>P. R. P.</i>	26/10/78			2-1522		W.L.		

SIGNAL NAME	FROM			TO			WIRE
	CONNECTOR	CODE	TERMINAL	CONNECTOR	CODE	TERMINAL	
DATA 0/	1101 6326	I/O- 1	2473 5003	2799 5190	L-46	1757 5028	1944 3191
DATA 1/	" "	I/O- 2	" "	" "	L-45	" "	" "
DATA 2/	" "	I/O- 3	" "	" "	L-19	" "	" "
DATA 3/	" "	I/O- 4	" "	" "	L-21	" "	" "
DATA 4/	" "	I/O- 5	" "	" "	L-38	" "	" "
DATA 5/	" "	I/O- 6	" "	" "	L-39	" "	" "
DATA 6/	" "	I/O- 7	" "	" "	L-15	" "	" "
DATA 7/	" "	I/O- 8	" "	" "	L-14	" "	" "
LOVF/	" "	I/O-34	" "	" "	L-42	" "	" "
SOVF/	" "	I/O-35	" "	" "	L-40	" "	" "
GND. RTN.	" "	I/O-36	" "	" "	L- 2	" "	" "
I.P. REQ/	" "	I/O-38	" "	" "	L-30	" "	" "
V. BLANK/	" "	I/O-39	" "	" "	L- 6	" "	" "
TEST FLG./	" "	I/O-40	" "	" "	L-41	" "	" "
CTR SEL./	" "	I/O-41	" "	" "	L-35	" "	" "
L.D.C./	" "	I/O-42	" "	" "	L-34	" "	" "
L.D.R./	" "	I/O-43	" "	" "	L- 8	" "	" "
RW/	" "	I/O-11	" "	" "	L-33	" "	" "
INIT Q/	" "	I/O-45	" "	" "	L-36	" "	" "
DRN/	" "	I/O-12	" "	" "	L-10	" "	" "
CCMD/	" "	I/O-13	" "	" "	L- 9	" "	" "
VIDEO	2799 5190	L- 3	1757 5028	2555 8461	V- 8	2555 8438	1940 9192
H-SYNC/	" "	L-17	" "	" "	V-6	" "	" "
V-SYNC/	" "	L-16	" "	" "	V-9	" "	" "
+70 V	1532 8057	P/S- 1	1532 8040	2555 8461	V- 7	" "	" "
SIG. GND.	" "	P/S- 5	" "	" "	V- 1	" "	" "
5V	1101 6326	I/O-15	2473 5003	2799 5190	L-27	1757 5028	" "
5V	" "	I/O-16	" "	" "	L-24	" "	" "
5V	" "	I/O-17	" "	" "	L-25	" "	" "
5V	" "	I/O-33	" "	" "	L-50	" "	" "
5V	" "	I/O-32	" "	" "	L-28	" "	" "
0V	" "	I/O-31	" "	" "	L 1	" "	" "

Burroughs Machines Ltd.		PROPRIETARY TO BURROUGHS - NOT TO BE REPRODUCED OR USED FOR MANUFACTURING PURPOSES EXCEPT ON BURROUGHS ORDER OR PRIOR WRITTEN CONSENT.		SHEET 1 of 4	DWG. No. 2797 8295	REV. F
CUMBERNAULD, SCOTLAND.		TITLE C.R.T. HARNESS				
DRAWN	DATE	DESIGN ^{OR} ENG ^B W. BENKOWSKI	DATE 20/1/78	DESIGN CONTROL	DWG. TYPE	DWG. SIZE
COMPONENT APPV. Bull...	DATE 25/4/78	APPROVED CFC	DATE 20/1/78	308		
				CLASS CODE	RELEASE DATE	
				2-1522	MAY 19 78	

REV. F
DWG. No. 2797 8295

- ER 01687 MFC
- ECN 02149 MFC B
P.B. OCT. 27-78
PAGES 3 & 4 ALT'D.
- ECN 02228 MFC C
C.B. DEC. 1 78 MFC
SHEET 2 REDRAWN
- ECN 02510 MFC D
G.W. JAN 11-79 BK
PAGES 2, 3 & 4 ALTERED
- ECN 02632 MFC E
A.R. JAN. 20, 79
SHEET 3 ALTERED
EMERGENCY BK
- ECN 02795 MFC F
A.R. APR. 13, 79
SHEET 4 ALTERED
EMERGENCY BK

EDA 62747 REV C
 PLYMOUTH TSW
 ENGINEERING DEVIATION
 AUTHORIZATION CFC
 PROJECT 57065
 GROUP 76 MFC/GM
 DATE 5-8-79
 SHEETS 3 & 4 AFFECTED

EDA 62672 REV B
 PLYMOUTH
 ENGINEERING DEVIATION
 AUTHORITY
 PROJECT 56702 MFC
 GROUP 1995
 DATE 8-6-79
 SHEETS 2 & 4 AFFECTED

ORIGINAL

Burroughs Machines Ltd.
CUMBERNAULD, SCOTLAND.

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DWG. No 2797 8295

REV. F

DESIGN

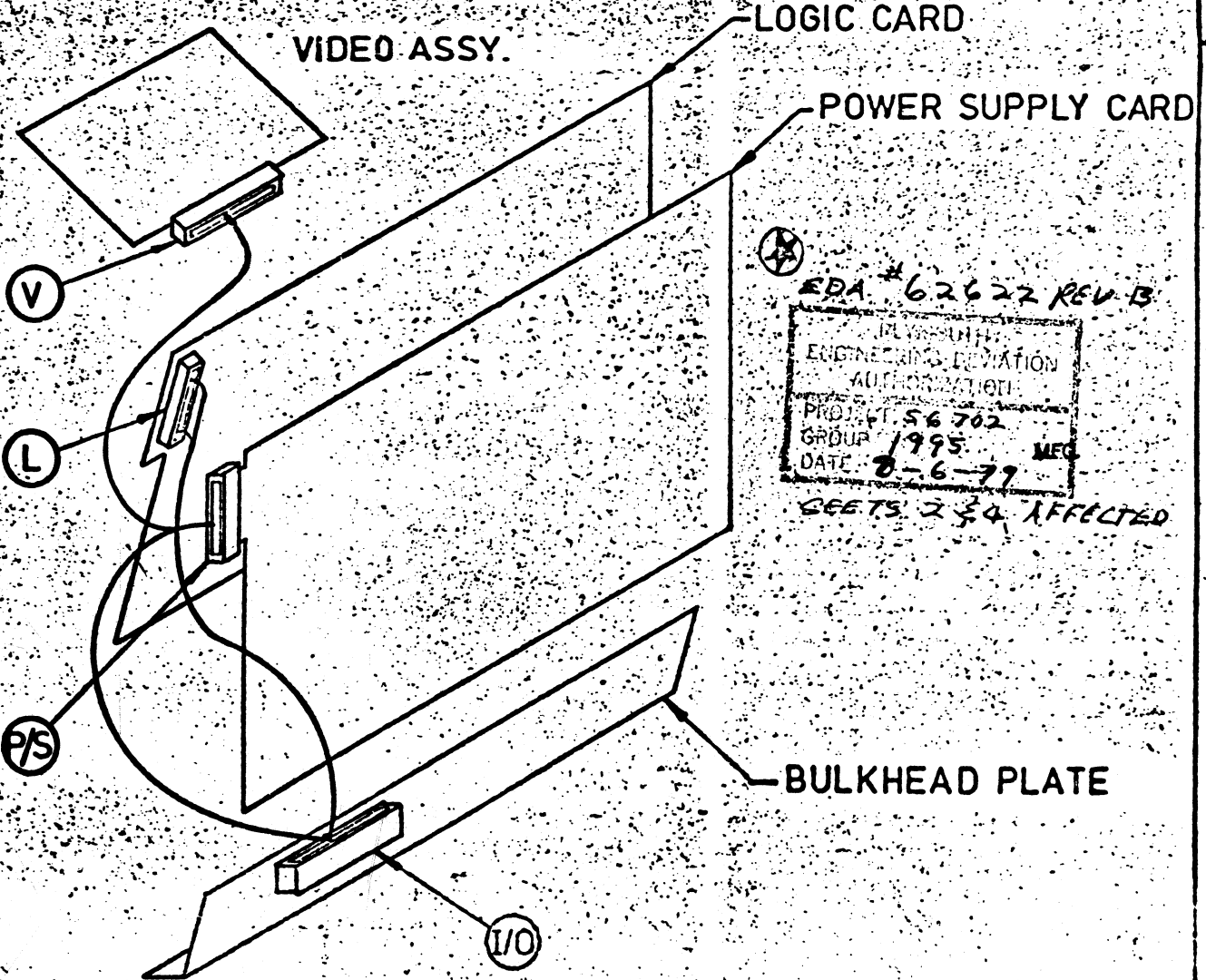
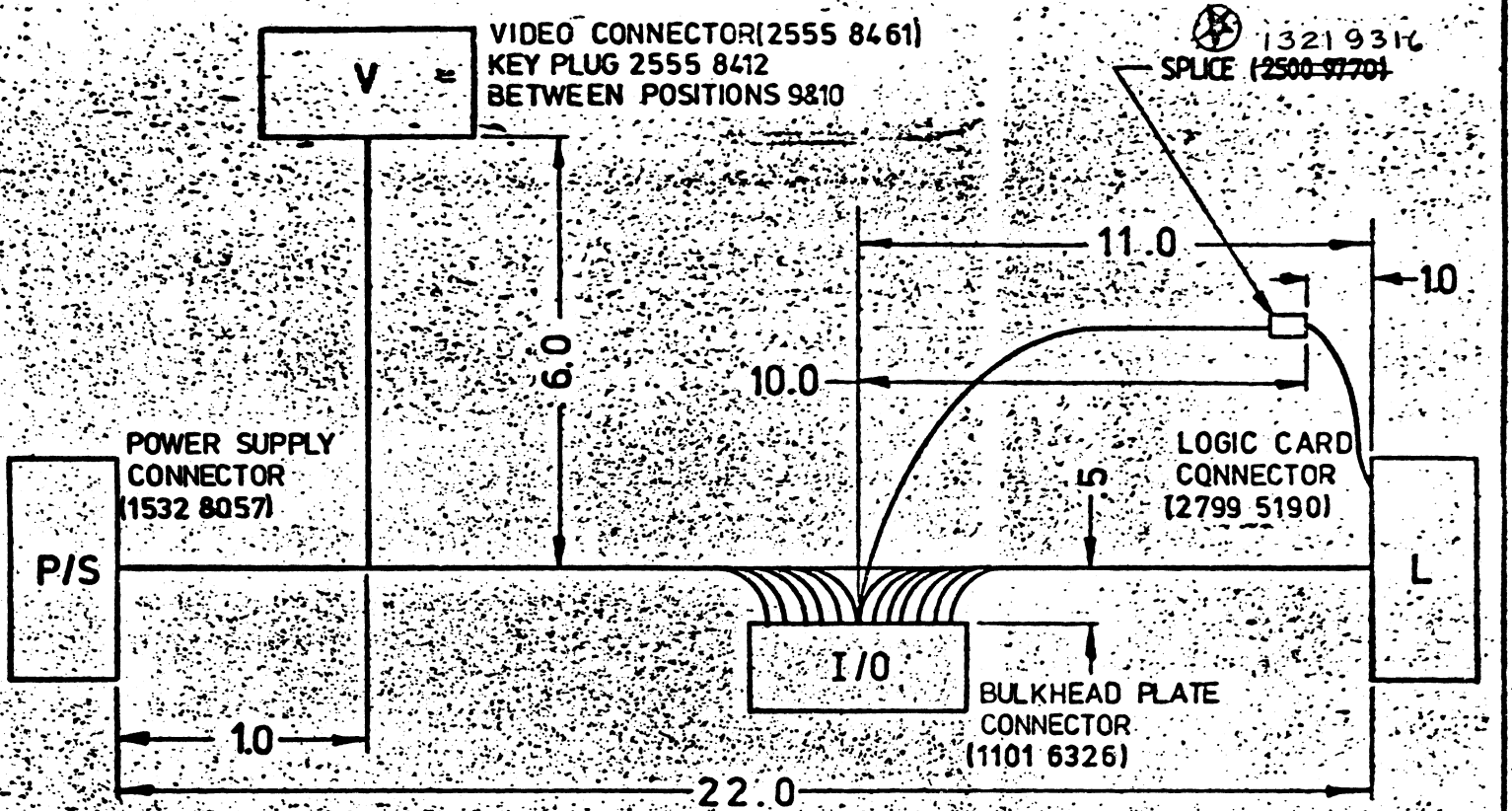
CONTRACT

308

TITLE -
CRT HARNESS

DESIGNED	ENG'D	DATE	DRAWN	DATE	APPROVED	DATE
CHECKED BY	DATE	COMPONENTS	DATE	CLASS CODE	DWG. SIZE	DWG. TYPE
				21522		W.L.

SHEET 2 of 4 RELEASED:-



EDA # 62622 REV B

ENGINEERING DEVIATION AUTHORIZATION

PROJECT 56702

GROUP 1995

DATE 8-6-77

SHEETS 2 of 4 AFFECTED

Burroughs Machines Ltd.
 CUMBERNAULD, SCOTLAND.

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DESIGN CONTROL 308

DWG. No. 2799 8295

TITLE: C.R.T. HARNESS

DESIGNED ENGR DATE DRAWN DATE APPROVED DATE
 CHECKED BY DATE COMPONENTS DATE CLASS CODE DWG. SIZE DWG. TYPE W.L. SHEET 3 of 4 RELEASED:-

SIGNAL NAME	FROM			TO			WIRE
	CONNECTOR	CODE	TERMINAL	CONNECTOR	CODE	TERMINAL	
DATA 0/	1101 6326	I/O- 1	★ 1101 6342	2799 5190	L-46	1757 5028	1944 3191
DATA 1/	"	I/O- 2	"	"	L-45	"	"
DATA 2/	"	I/O- 3	"	"	L-19	"	"
DATA 3/	"	I/O- 4	"	"	L-21	"	"
DATA 4/	"	I/O- 5	"	"	L-38	"	"
DATA 5/	"	I/O- 6	"	"	L-39	"	"
DATA 6/	"	I/O- 7	"	"	L-15	"	"
DATA 7/	"	I/O- 8	"	"	L-14	"	"
LOVF/	"	I/O-34	"	"	L-42	"	"
SOVF/	"	I/O-35	"	"	L-45	"	"
GND. RTN.	"	I/O-36	"	"	L- 2	"	"
LP. REQ/	"	I/O-39	"	"	L-33	"	"
V. BLANK/	"	I/O-39	"	"	L- 6	"	"
TEST FLG./	"	I/O-40	"	"	L-41	"	"
CTR SEL./	"	I/O-41	"	"	L-35	"	"
L.D.C./	"	I/O-42	"	"	L-34	"	"
L.D.R./	"	I/O-43	"	"	L- 8	"	"
RW/	"	I/O-11	"	"	L-33	"	"
INIT Q/	"	I/O-45	"	"	L-36	"	"
DRN/	"	I/O-12	"	"	L-10	"	"
CCND/	"	I/O-13	"	"	L- 9	"	"
VIDEO	2799 5190	L-3	1757 5028	2555 8461	V- 8	2555 8438	1940 9192
H-SYNC/	"	L-17	"	"	V- 6	"	"
V-SYNC/	"	L-16	"	"	V- 9	"	"
+70 V	1532 8057	P/S- 1	1532 8040	2555 8461	V- 7	"	"
SIG. GND.	"	P/S- 5	"	"	V- 1	"	"
5V	1101 6326	I/O-15	★ 1101 6342	2799 5190	L-27	1757 5028	"
5V	"	I/O-16	"	"	L-24	"	"
5V	"	I/O-17	⊗ EDA 62622 REV B	"	L-25	"	"
5V	"	I/O-33	PLYMOUTH ENGINEERING	"	L-50	"	"
5V	"	I/O-32	"	"	L-28	"	"
0V	"	I/O-31	PROJECT 51732 GROUP 76 DATE 8-19-75	"	L- 1	"	"

SHEETS 2 & 4 AFFECTED

EDA # 62747 - C 7656GT

ORIGINAL

PLYMOUTH ENGINEERING DEVIATION AUTHORIZATION
 PROJECT 51065 MFG.
 GROUP 76
 DATE 5-8-79

SHEETS 2 & 4 AFFECTED

Burroughs Machines Ltd.		CUMBERNAULD, SCOTLAND.		PROPRIETARY TO BURROUGHS NOT TO BE REPRODUCED OR USED FOR MANUFACTURING PURPOSES EXCEPT ON BURROUGHS ORDER OR PRIOR WRITTEN CONSENT.		SHEET 1 of 4	DWG. NO. 2797 8352	REV. E
DRAWN				DESIGNER <i>[Signature]</i>	DATE 25/10/78	TITLE		
COMPONENT APPV.				APPROVED <i>[Signature]</i>	DATE 27-10-78	DESIGN CONTROL	DWG. TYPE	DWG. SIZE
						CLASS CODE 2-1522	RELEASE DATE 13th OCT. 1978	
						-882 C.R.T. I/O HARNESS		

REV. E
 DWG. NO. 2797 8352

E.R. 02214

ECN 02374 B.K. B
 C.B. DEC. 8 78
 SHEETS 2,3,4 ALTERED

ECN 02467 B.K. C
 A.R. JAN. 26, 79
 SHEETS 1,2,3, & 4 ALTERED

ECN 02650 D
 P.B. FEB. 2-79
 SHEETS 3 & 4 ALTERED
 EMERGENCY

ECN 02795 E
 A.R. APR. 13, 79
 SHEET 3 & 4 ALTERED *B.K.*
 EMERGENCY

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CUMBERNAULD, SCOTLAND.

DESIGN
CONTROL

308

DWG. N^o.

2797 8352

REV.

E

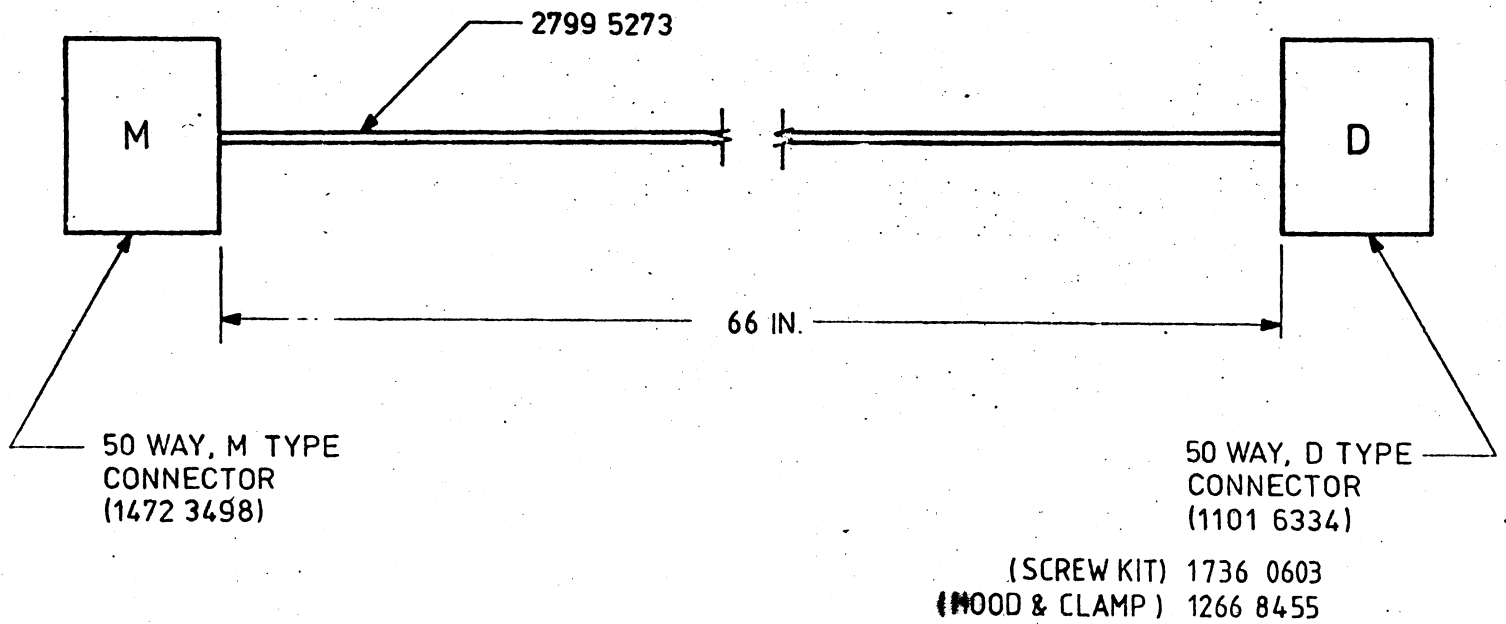
TITLE:-

B82 C.R.T. I/O HARNESS

DESIGNED BY	ENGR	DATE	DRAWN	DATE	APPROVED	DATE
					<i>[Signature]</i>	27-10-78
CHECKED BY	DATE	COMPONENTS	DATE	CLASS CODE	DWG. SIZE	DWG. TYPE
<i>[Signature]</i>	25/10/78					W.L.

SHEET 2 of 4

RELEASED:- 13 OCT. 1978



Burroughs Machines Ltd.

CUMBERNAULD, SCOTLAND.

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DESIGN CONTROL

308

DWG. NO.

2797 8352

REV. E

TITLE:-

B82 C.R.T. I/O HARNESS

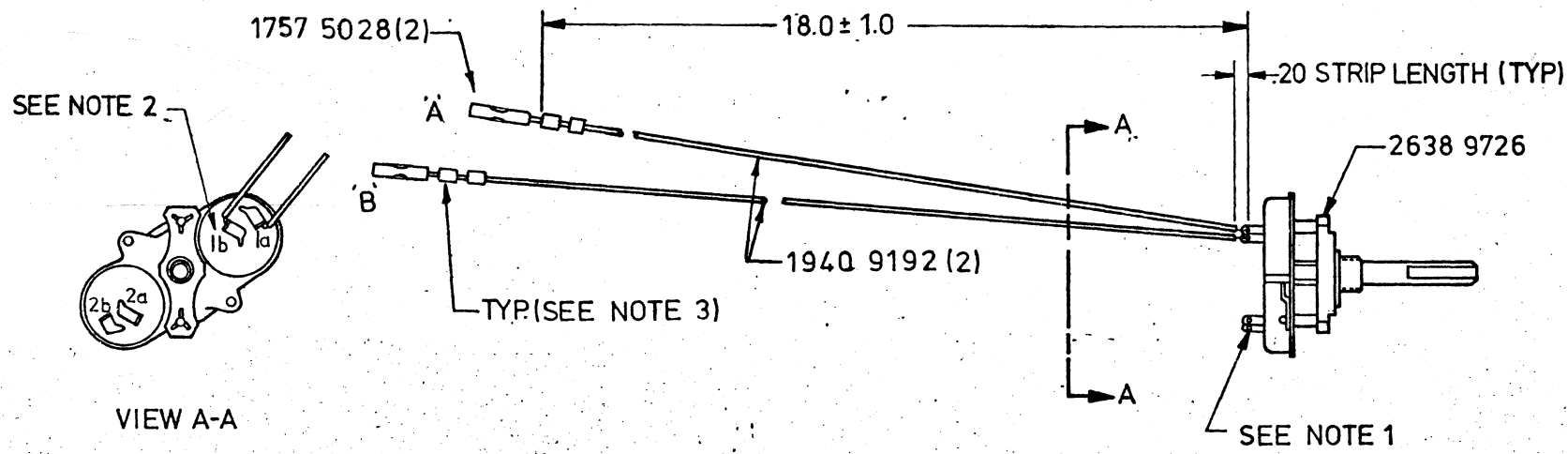
DESIGN ENGR	DATE	DRAWN	DATE	APPROVED	DATE
				<i>R. J. [Signature]</i>	27-10-78

CHECKED BY	DATE	COMPONENTS	DATE	CLASS CODE	DWG. SIZE
<i>P. [Signature]</i>	15/10/78				

DWG. TYPE	SHEET	of	RELEASED:-
W.L.	3	4	13 OCT. 1978

SIGNAL NAME	FROM			TO			WIRE
	CONNECTOR	CODE	TERMINAL	CONNECTOR	CODE	TERMINAL	
DATA0/	1472 3498	M 33	1472 0726	1101 6334	D 1	1878 2227	2799 5273 (25 W)
OV	" "	M 34	" "	" "	D 18	" "	(25 R)
DATA1/	" "	M 35	" "	" "	D 2	" "	(26 BL)
OV	" "	M 36	" "	" "	D 19	" "	(26 R)
DATA2/	" "	M 29	" "	" "	D 3	" "	(27 BR)
OV	" "	M 30	" "	" "	D 20	" "	(27 R)
DATA3/	" "	M 31	" "	" "	D 4	" "	(28 OR)
OV	" "	M 32	" "	" "	D 21	" "	(28 R)
DATA4/	" "	M 25	" "	" "	D 5	" "	(29 Y)
OV	" "	M 26	" "	" "	D 22	" "	(29 R)
DATA5/	" "	M 27	" "	" "	D 6	" "	(30 BL)
OV	" "	M 28	" "	" "	D 23	" "	(30 R)
DATA6/	" "	M 37	" "	" "	D 7	" "	(31 V)
OV	" "	M 38	" "	" "	D 24	" "	(31 R)
DATA7/	" "	M 39	" "	" "	D 8	" "	(32 G)
OV	" "	M 40	" "	" "	D 25	" "	(32 R)
Ø1/	" "	M 16	" "	" "	D 9	" "	(33 W/BL)
OV	" "	M 15	" "	" "	D 26	" "	(33 R)
Ø2/	" "	M 18	" "	" "	D 10	" "	(34 W/BR)
OV	" "	M 17	" "	" "	D 27	" "	(34 R)
RW/	" "	M 43	" "	" "	D 11	" "	(35 W/OR)
OV	" "	M 44	" "	" "	D 28	" "	(35 R)
INC	" "	M 23	" "	" "	D 44	" "	(36 W/Y)
OV	" "	M 46	" "	" "	D 29	" "	(36 R)
CCMD/	" "	M 41	" "	" "	D 13	" "	(37 W/BL)
OV	" "	M 42	" "	" "	D 30	" "	(37 R)
LOVF/	" "	M 48	" "	" "	D 34	" "	(11 W)
SOVF/	" "	M 49	" "	" "	D 35	" "	(12 BL)
GND. RTN.	" "	M 6	" "	" "	D 36	" "	(13 BR)
L.P. REQ/	" "	M 12	" "	" "	D 38	" "	(14 OR)
V. BLANK/	" "	M 45	" "	" "	D 39	" "	(15 Y)
TEST FLG./	" "	M 4	" "	" "	D 40	" "	(16 BL)
CTR. SEL/	" "	M 2	" "	" "	D 41	" "	(17 V)
L.D.C./	" "	M 24	" "	" "	D 42	" "	(18 G)
L.D.R./	" "	M 22	" "	" "	D 43	" "	(19 W/BL)

No. 2799 5679 B
 RELEASED MAY 19 78
 E R 01687 MFG.
 ECN 02228 B
 C.B. DEC. 1 78
 18.0 ± 1.0 WAS 14.5 ± 1.0
 A & B ADDED
 NOTES 4 & 5 ADDED



NOTES

1. SOLDER USING 1287 2198
2. POLE NUMBERS SHOWN ARE REFERENCE
3. CRIMP IN PLACE
4. CONNECT 'A' TO LOGIC CARD CONNECTOR (2799 5190) L47 (0V)
5. CONNECT 'B' TO LOGIC CARD CONNECTOR (2799 5190) L12 (SOFF)

TOLERANCES, UNLESS OTHERWISE SPECIFIED INCHES .XX ± .XXX ± ANGLES ± m.m. X.X ± X.XX ± ANGLES ±		GEN. QUAL. SPECS 1183 5543 APPLY		DESIGN CONTROL 308		CLASSIFICATION CODE 2-1522		LAYOUT No.					
MATERIAL		DRAWN				Burroughs SMALL SYSTEMS DIVISION BURROUGHS MACHINES LIMITED CUMBERNAULD, SCOTLAND, U.K.							
HEAT TREATMENT		CHECKED											
SURFACE TREATMENT		DATE		MATERIAL & HEAT TREATMENT		TITLE ON-OFF SWITCH ASSEMBLY.							
PROPRIETARY TO BURROUGHS. NOT TO BE REPRODUCED NOR USED FOR MANUFACTURING PURPOSES EXCEPT ON BURROUGHS' ORDER OR PRIOR WRITTEN CONSENT.		DESIGN ENGR. W.B.		MATERIAL & SURFACE TREATMENT		SCALE		DWG. SIZE A3		DWG. No. 2799 5679		REV. B	

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CUMBERNAULD, SCOTLAND.

SHEET

DWG. NO.

3185 1025

REV.

E

1 of 4

TITLE

C.R.T. CONTROLLER HARNESS

DRAWN	DATE	DESIGN ^B or ENGB ^B	DATE
		W. B.	30.11.78
COMPONENT APPV.	DATE	APPROVED	DATE

DESIGN CONTROL	DWG. TYPE	DWG. SIZE	CLASS CODE	RELEASE DATE
308	W.L.	A3	2-1522	DEC. 22-78

REV. E
 DWG. NO. 3185 1025

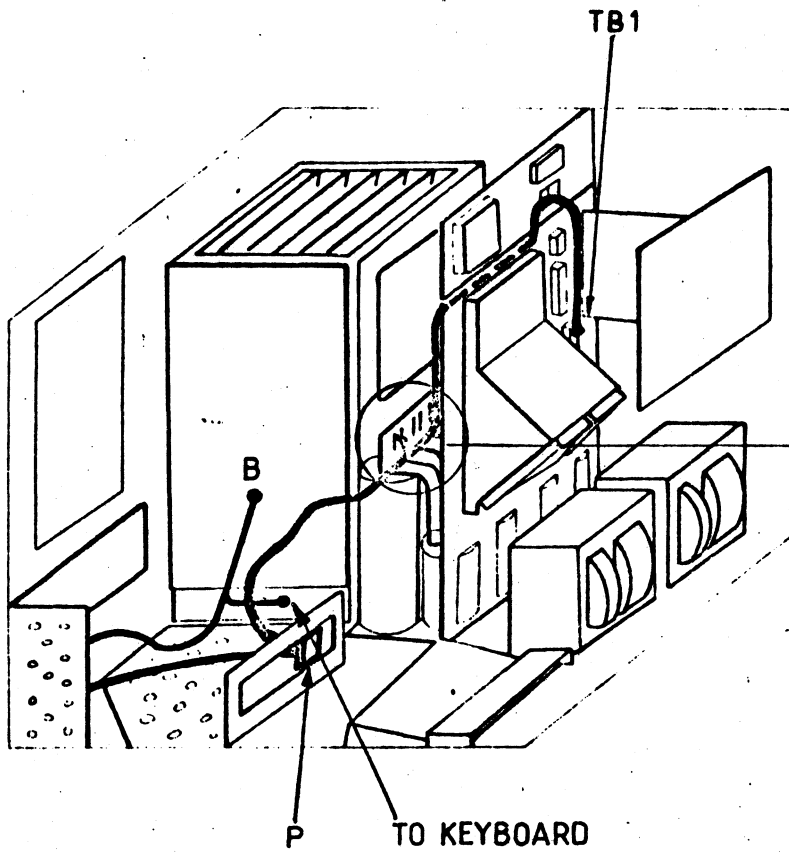
E.R. 02483
ECN 02717
A.R. MAR. 9, 79
SHEETS 2,3&4 ALTERED
ECN 02795
A.R. APR. 13, 79
SHEETS 3&4 ALTERED
EMERGENCY
ECN 02969
P.B. MAY 25-79
SHEETS 2&4 ALTERED
ECN 03150
C MACL AUG 24 79
SHEETS 2 & 3 ALTERED

TITLE

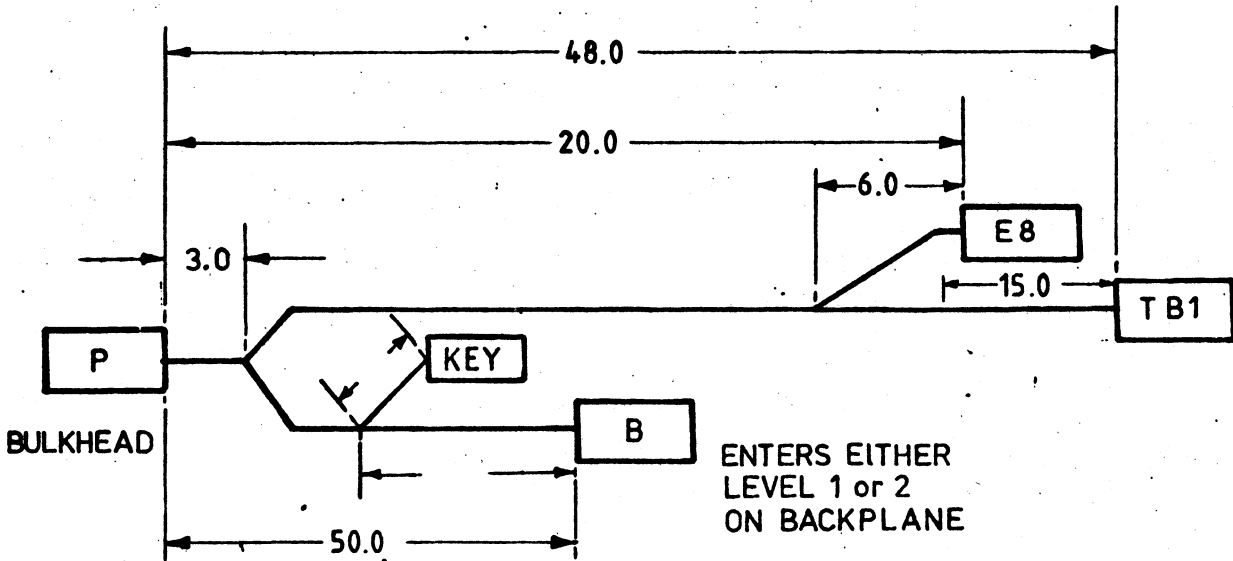
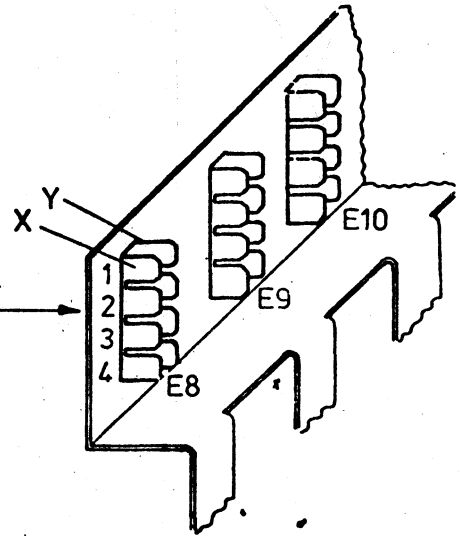
CRT CONTROLLER HARNESS

DESIGNED BY	DATE	DRAWN	DATE	APPROVED	DATE	SUB
CHECKED BY	DATE	COMPONENTS	DATE	CLASS CODE	DWG SIZE	DWG. TYPE
				2-1522	A3	WT

SHEET 2 of 4 RELEASED DEC. 22-78



GND. LOCATIONS ON BUS BAR



NOTES:

1. TERMINATION MUST MEET SPECIFICATIONS DRAWING 81F.
2. WIRE MUST BE U.L. AND C.S.A. LABELLED. REFER TO APPLICATION GUIDE D65-01 FOR STYLE & TYPE REQUIREMENTS.
3. UNLESS OTHERWISE SPECIFIED ALL SIZES ARE WIRE LENGTHS

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DESIGN CONTROL
308

DWG. NO. 3185 1025 REV. E

TITLE:- C.R.T. CONTROLLER HARNESS

DESIGN	ENGR	DATE	DRAWN	DATE	APPROVED	DATE
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CHECKED BY	DATE	COMPONENTS	DATE	CLASS CODE	DWG. SIZE	DWG. TYPE	SHEET 3 of 4	RELEASED:- DEC. 22-78
				2-1522	A3	W.L.		

SIGNAL NAME	FROM			TO			WIRE
	CONNECTOR	CODE	TERMINAL	CONNECTOR	CODE	TERMINAL	
DATA 0/	3180 0766	P-33	1472 0734	2850 4462	B 14	2851 5039	2572 7066
OV	" "	P-34	" "	" "	B 13	" "	" "
DATA 1/	" "	P-35	" "	" "	B 16	" "	" "
OV	" "	P-36	" "	" "	B 15	" "	" "
DATA 2/	" "	P-29	" "	" "	B 10	" "	" "
OV	" "	P-30	" "	" "	B 9	" "	" "
DATA 3/	" "	P-31	" "	" "	B 12	" "	" "
OV	" "	P-32	" "	" "	B 11	" "	" "
DATA 4/	" "	P-25	" "	" "	B 6	" "	" "
OV	" "	P-26	" "	" "	B 5	" "	" "
DATA 5/	" "	P-27	" "	" "	B 8	" "	" "
OV	" "	P-28	" "	" "	B 7	" "	" "
DATA 6/	" "	P-37	" "	" "	B 18	" "	" "
OV	" "	P-38	" "	" "	B 17	" "	" "
DATA 7/	" "	P-39	" "	" "	B 20	" "	" "
OV	" "	P-40	" "	" "	B 19	" "	" "
01/	" "	P-16	" "	" "	B 47	" "	" "
OV	" "	P-15	" "	" "	B 48	" "	" "
02/	" "	P-18	" "	" "	B 49	" "	" "
OV	" "	P-17	" "	" "	B 50	" "	" "
CCMD/	" "	P-41	" "	" "	B 22	" "	" "
OV	" "	P-42	" "	" "	B 21	" "	" "
INC	" "	P-23	" "	" "	B 56	" "	" "
OV	" "	P-46	" "	" "	B 25	" "	" "
RW/	" "	P-43	" "	" "	B 24	" "	" "
OV	" "	P-44	" "	" "	B 23	" "	" "
DRN/	" "	P-01	" "	" "	B 34	" "	1944 3191
PWROK/	" "	P-05	" "	" "	B 38	" "	" "
GND RET	" "	P-06	" "	" "	B 37	" "	" "
SOVF/	" "	P-49	" "	" "	B 30	" "	" "
LOVF/	" "	P-48	" "	" "	B 32	" "	" "
L.P.REQ/	" "	P-12	" "	" "	B 43	" "	" "
V.BLANK/	" "	P-45	" "	" "	B 26	" "	" "
TEST FLG/	" "	P-04	" "	" "	B 35	" "	" "
CTR SEL/	" "	P-02	" "	" "	B 33	" "	" "

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DESIGN
CONTROL
308

DWG. NO. 3185 1025
REV. E

TITLE:-
C.R.T. CONTROLLER HARNESS

DESIGNED BY	ENGINEER	DATE	DRAWN	DATE	APPROVED	DATE
CHECKED BY	DATE	COMPONENTS	DATE	CLASS CODE	DWG. SIZE	DWG. TYPE

2-1522 A3 W.L. SHEET 4 of 4 RELEASED:- DEC.22-78

SIGNAL NAME	FROM			TO			WIRE
	CONNECTOR	CODE	TERMINAL	CONNECTOR	CODE	TERMINAL	
L.D.C./	3180 0776	P-24	1472 0734	2850 4462	B -55	2851 5039	1944 3191
L.D.R./	" "	P-22	" "	" "	B -53	" "	" "
INITO/	" "	P-19	" "	" "	B -52	" "	" "
8x32/	" "	P-50	" "	" "	B -29	" "	" "
TEST FL	2769 7473	KEY	" "	" "	B -44	" "	1940 9390
OV	3180 0776	P-13	1472 0817		E8-1X	1472 1070	" "
OV	" "	P-14	" "		E8-1Y	" "	" "
OV	" "	P-20	" "		E8-2X	" "	" "
OV	" "	P-21	" "		E8-2Y	" "	" "
OV	" "	P-47	" "		E8-3X	" "	" "
5V-3	" "	P- 3	" "	3180 0162 REF	TB1-1X	" "	" "
5V-3	" "	P- 7	" "	" " "	TB1-1Z	" "	" "
5V-3	" "	P- 8	" "	" " "	TB1-5X	" "	" "
5V-3	" "	P- 9	" "	" " "	TB1-5Y	" "	" "
5V-3	" "	P-10	" "	" " "	TB1-5Z	" "	" "
* NOTE :	TWO PLASTIC RETAINING RODS 2851 6839						
	ARE TO BE USED FOR CONTACTS 2851 5039						
	IN CONNECTOR 2850.4462						

Burroughs Corporation		PLYMOUTH PLANT		PLYMOUTH, MICHIGAN		DWG. NO. 2770 4865		A
<small>PROPRIETARY TO BURROUGHS CORP. — NOT TO BE REPRODUCED NOR USED FOR MANUFACTURING PURPOSES EXCEPT ON BURROUGHS ORDER OR PRIOR WRITTEN CONSENT.</small>								
DSGN OR ENGR	DATE	CHECKED	DATE	APPROVED	DATE	SHEET 1 OF 8		TITLE B91 CRT INSTALLATION INSTR.
J.HORNIG	11-26-79	GESSLER	1-3-80	<i>J.H.</i>	1-7-80			
LABORATORY	DATE	COMPONENTS	DATE	CLASS CODE	REV. DATE	RELEASED ECN 63083		A
				4-0207				

B91 CRT INSTALLATION INSTRUCTIONS

DWG. NO.
2770 4865

Burroughs Corporation		PLYMOUTH PLANT		PLYMOUTH, MICHIGAN		DWG. NO. 2770 4865		A
<small>PROPRIETARY TO BURROUGHS CORP. — NOT TO BE REPRODUCED NOR USED FOR MANUFACTURING PURPOSES EXCEPT ON BURROUGHS ORDER OR PRIOR WRITTEN CONSENT.</small>								
DSGN OR ENGR	DATE	CHECKED	DATE	APPROVED	DATE	SHEET 2 OF 8		TITLE B91 CRT INSTALLATION INSTR
J.HORNIG	11-26-79							
LABORATORY	DATE	COMPONENTS	DATE	CLASS CODE	REV. DATE	RELEASED ECN 63083		

SCOPE:

This document is provided to detail specific procedures which must be followed when installing a 2798 1877 CRT in a 2769 9800, 2770 1747, or 2770 1887 processor which has had factory installation of the CRT mechanical mounting hardware and DC cabling. It explains procedures necessary to mount the CRT on its pedestal, and to correctly route the CRT AC cord to its power source in the B91 power supply.

READ PROCEDURE COMPLETELY PRIOR TO INSTALLATION.

PROCEDURE:

1. Switch off circuit breaker and unplug machine.
2. Remove cabinet back cover and remove cabinet left top to expose CRT pedestal base (see Fig. 1).
3. Remove CRT from packaging and remove plastic screen cover.
4. Place CRT on top of cabinet, screen down, as shown in Figure 1 (protect against paint damage by using packaging material as a mat).
5. Remove CRT back cover and remove 4 rubber feet. Replace rubber feet with (4) 2769 9941 standoff (Figure 1).
6. Turn CRT pedestal to raise/lower position as shown in Figure 1. Raise pedestal, and install screw driver through hole in collar to support pedestal.
7. Route ring tongue end of A.C. cable up through cable exit hole, through pedestal protective bushing, and into CRT through A.C. cable entry hole in base of CRT (see Figure 1).
8. Remove CRT A.C. terminal block cover and connect A.C. wires according to Figure 2.
9. Tighten 1472 3944 tie strap around green/yellow wire as shown in Figure 2.
10. Pull slack A.C. cable out of CRT leaving 1/4" of cable jacket above strain relief and install 1900 2949 strain relief bushing as shown in Figure 2.

DWG. NO.
2770 4865

Burroughs Corporation		PLYMOUTH PLANT		PLYMOUTH, MICHIGAN		DWG. NO. 2770 4865	A
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DSGN OR ENGR	DATE	CHECKED	DATE	APPROVED	DATE	TITLE	
J.HORNIG	11-26-79					B91 CRT INSTALLATION INSTR	
LABORATORY	DATE	COMPONENTS	DATE	CLASS CODE	REV. DATE	RELEASED	ECN 63083

DWG. NO.
2770 4865

11. Replace CRT A.C. terminal block cover and CRT back cover.
12. Lift CRT and place on pedestal with standoffs positioned in mounting holes taking care not to pinch A.C. cable.
13. Pull remaining A.C. cable through bushing from the bottom and assemble 1257 4133 nut/lockwashers (4) as shown in Figure 3.
14. Connect signal cable (Figure 3).
15. Route A.C. cable along signal cable and use 1523 9205 tie wraps (4) to secure AC cable to pedestal/cable as shown in Figure 4.
16. Place (7) 1472 1955 retaining tie wraps on frame per Figure 5 (Do not tighten tie wraps at this time).
17. Open power supply gate and remove AC panel cover.
18. Route AC cable along frame/cabinet floor to A.C. panel of power supply fastening to frame with tie wraps from step 16. Tighten tie wraps (see Figure 5).
19. Connect A.C. connector and ground wire using Figure 5 and power supply wiring schematics as follows:

WIRE	LOCATION
Blue & Brown (Conn. P45)	J45
Green/Yellow	SH17 (2769 6533 Screw)
20. Replace A.C. panel cover and close power supply gate.
21. Turn CRT to raise/lower position (See Figure 5).
22. Replace left cabinet top using screws removed from step 2.
23. While supporting CRT, remove screw driver and lower CRT to its rest position making certain that the cable is formed exactly as shown in Figure 5; and that the circular fiber shield rests on top of pedestal limit ears. (See Figure 4).
24. Turn CRT to its limit positions and verify that harness is not pinched by pedestal limit ears.
25. Install cabinet back cover and CRT plastic screen cover.

INSTALLATION IS COMPLETE

Burroughs Corporation		PLYMOUTH PLANT		PLYMOUTH, MICHIGAN		DWG. NO. 2770 4865	A
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DSGN OR ENGR	DATE	CHECKED	DATE	APPROVED	DATE	TITLE	
J.HORNIG	11-26-79					B91 CRT INSTALLATION INSTR	
LABORATORY	DATE	COMPONENTS	DATE	CLASS CODE	REV. DATE	RELEASED	ME/ECN 63083

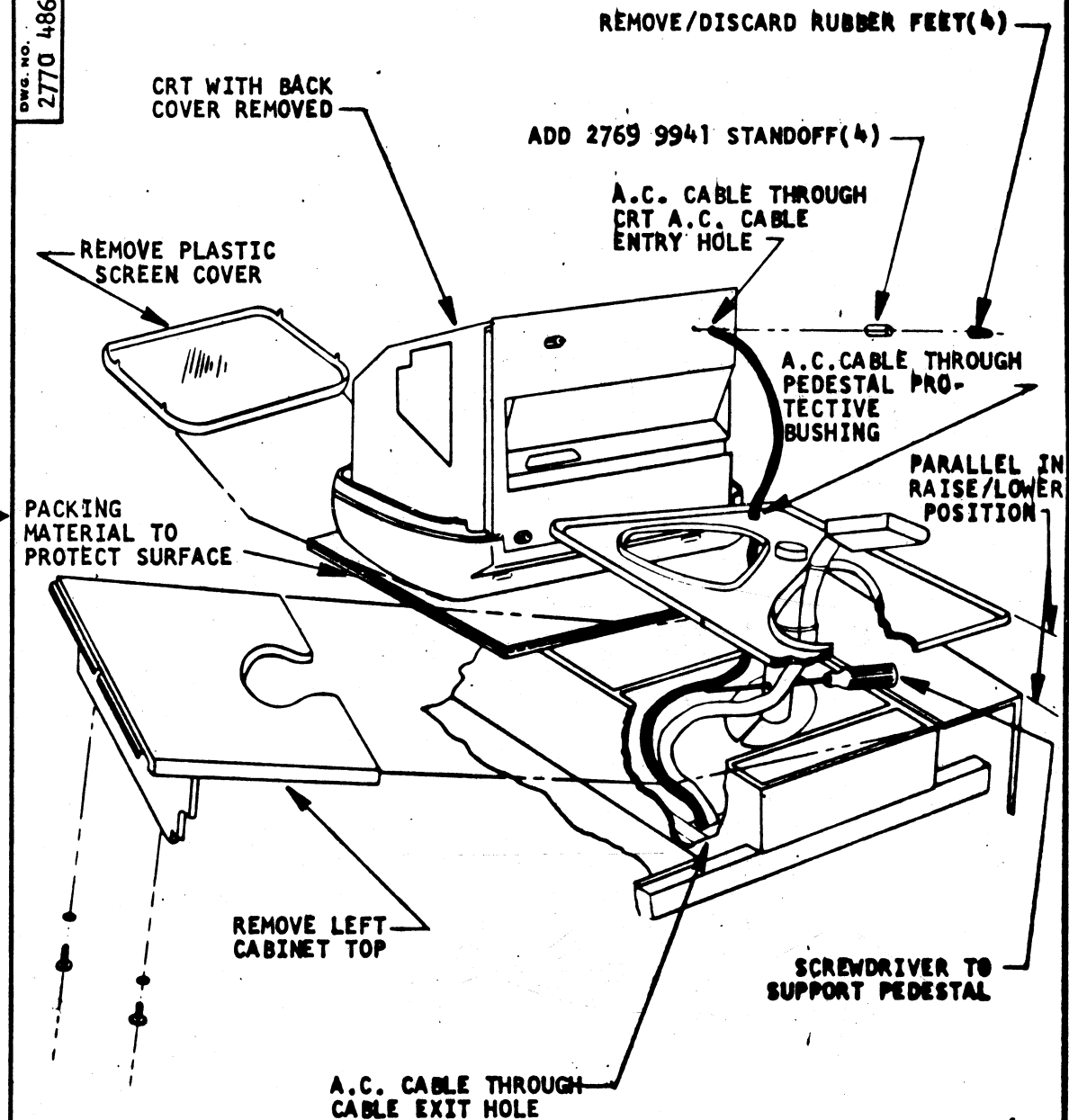
DWG. NO.
2770 4865

FIGURE 1

Burroughs Corporation		PLYMOUTH PLANT		PLYMOUTH, MICHIGAN		DWG. NO. 2770 4865	A
<small>PROPRIETARY TO BURROUGHS CORP. — NOT TO BE REPRODUCED NOR USED FOR MANUFACTURING PURPOSES EXCEPT ON BURROUGHS ORDER OR PRIOR WRITTEN CONSENT.</small>							
DSGN OR ENGR	DATE	CHECKED	DATE	APPROVED	DATE	TITLE	
J.HORNIG	11-26-79					B91 CRT INSTALLATION INSTR	
LABORATORY	DATE	COMPONENTS	DATE	CLASS CODE	REV. DATE	RELEASED	ECN 63083
						SHEET 5 OF 8	

DWG. NO. 2770 4865

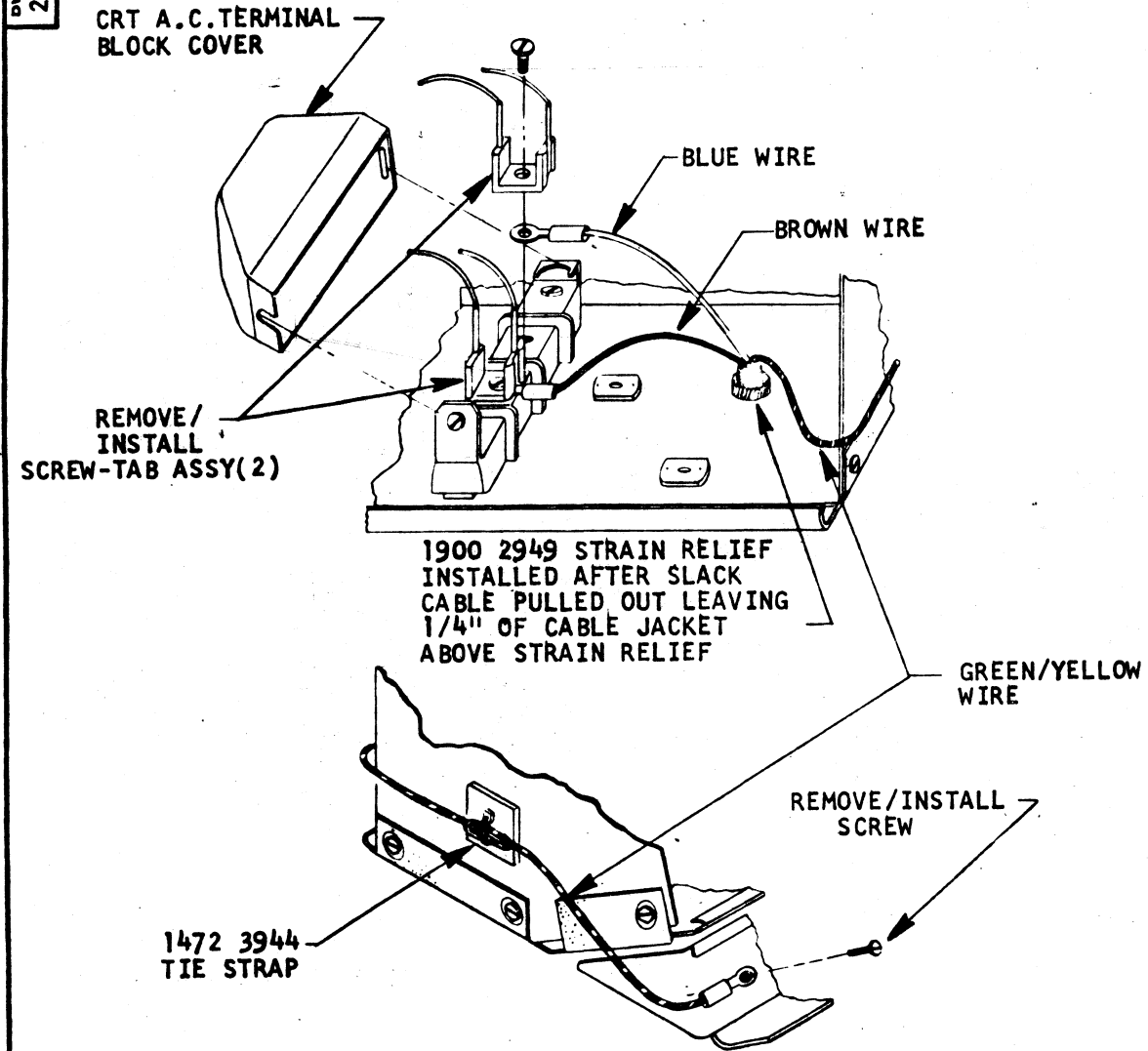


FIGURE 2

Burroughs Corporation		PLYMOUTH PLANT		PLYMOUTH, MICHIGAN		DWG NO. 2770 4865	A
<small>PROPRIETARY TO BURROUGHS CORP. — NOT TO BE REPRODUCED NOR USED FOR MANUFACTURING PURPOSES EXCEPT ON BURROUGHS ORDER OR PRIOR WRITTEN CONSENT.</small>							
DSGN OR ENGR	DATE	CHECKED	DATE	APPROVED	DATE	TITLE	
J.HORNIG	11-26-79					B91 CRT INSTALLATION INSTRUCTION	
LABORATORY	DATE	COMPONENTS	DATE	CLASS CODE	REV. DATE	RELEASED	ECN 63083
						SHEET 6 OF 8	

DWG. NO. 2770 4865

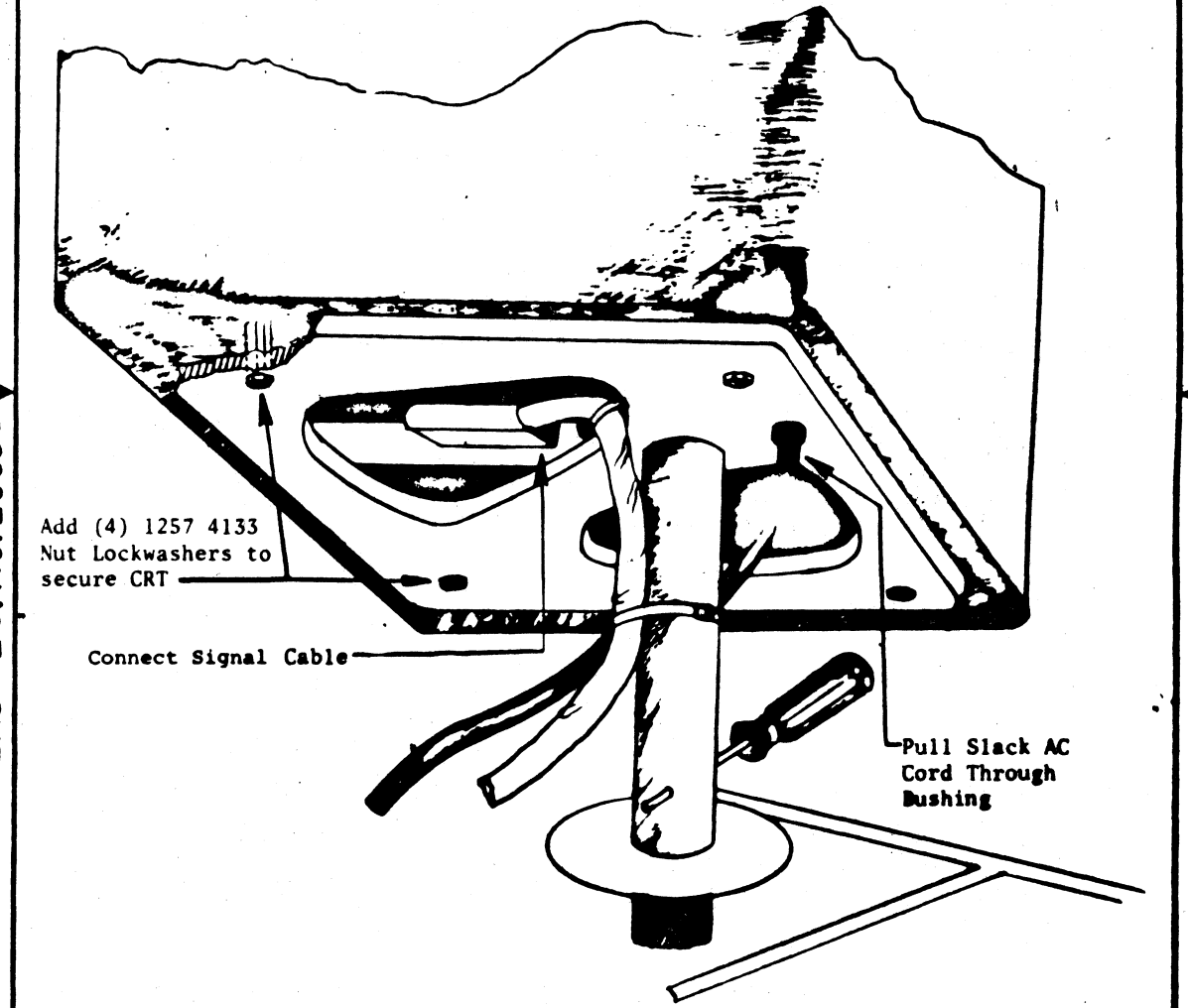


FIGURE 3

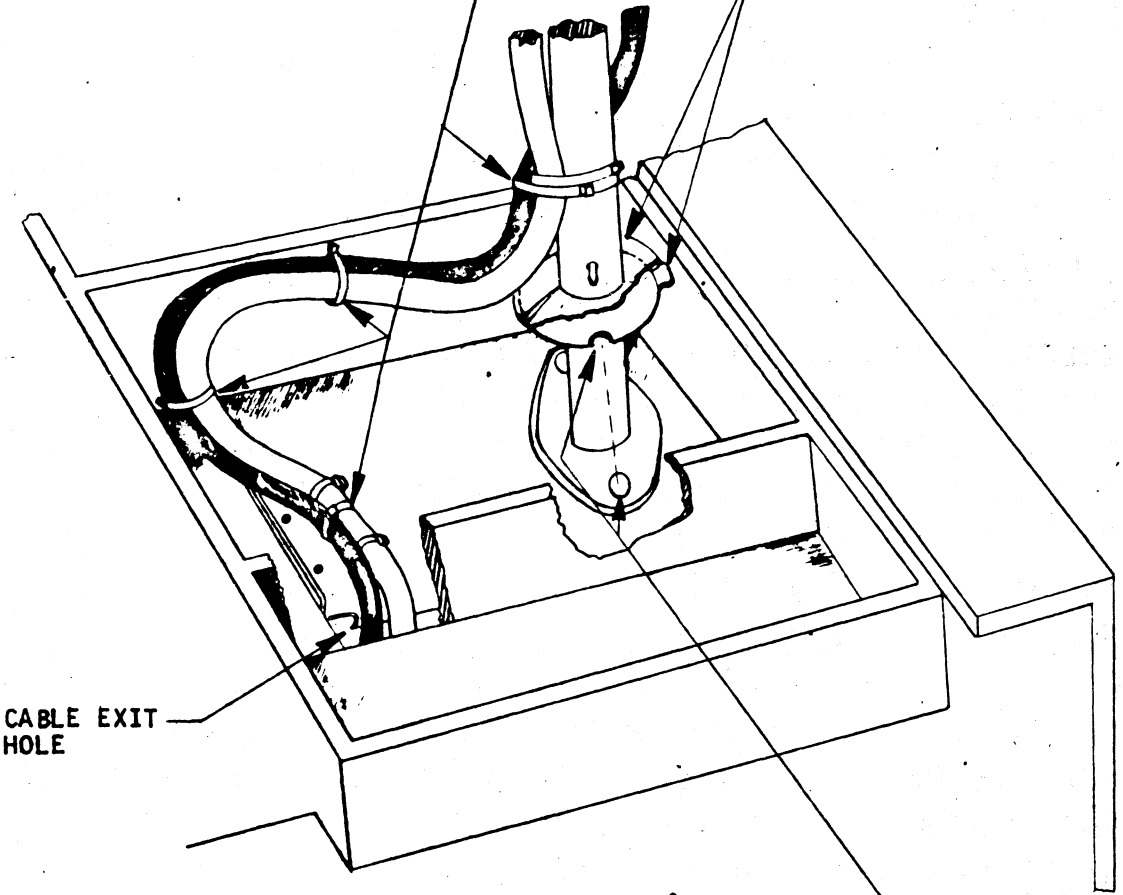
PLYMOUTH PHOTO LAB NEG. NO. 2998E

Burroughs Corporation		PLYMOUTH PLANT		PLYMOUTH, MICHIGAN		DWG. NO. 2770 4865	A
<small>PROPRIETARY TO BURROUGHS CORP. — NOT TO BE REPRODUCED NOR USED FOR MANUFACTURING PURPOSES EXCEPT ON BURROUGHS ORDER OR PRIOR WRITTEN CONSENT.</small>						SHEET 7 OF 8	
DSGN OR ENGR	DATE	CHECKED	DATE	APPROVED	DATE	TITLE	
J.HORNIG	11-26-79					B91 CRT INSTALLATION INSTR	
LABORATORY	DATE	COMPONENTS	DATE	CLASS CODE	REV. DATE	RELEASED	
						ECN 63083	

DWG. NO. 2770 4865

ADD 1523 9205 TIE WRAPS (4) TO SECURE A.C. CABLE TO PEDESTAL/SIGNAL CABLE

PEDESTAL LIMIT EARS UNDER FIBER SHIELD



CABLE EXIT HOLE

SLOT AND LIMIT POST ALIGNED IN RAISE/LOWER POSITION

FIGURE 4

Burroughs Corporation		PLYMOUTH PLANT		PLYMOUTH, MICHIGAN		DWG. NO. 2770 4865	A
<small>PROPRIETARY TO BURROUGHS CORP. — NOT TO BE REPRODUCED NOR USED FOR MANUFACTURING PURPOSES EXCEPT ON BURROUGHS ORDER OR PRIOR WRITTEN CONSENT.</small>						SHEET 8 OF 8	
DSGN OR ENGR	DATE	CHECKED	DATE	APPROVED	DATE	TITLE	
J.HORNIG	11-26-79					B91 CRT INSTALLATION INSTR	
LABORATORY	DATE	COMPONENTS	DATE	CLASS CODE	REV. DATE	RELEASED	
						ECN 63083	

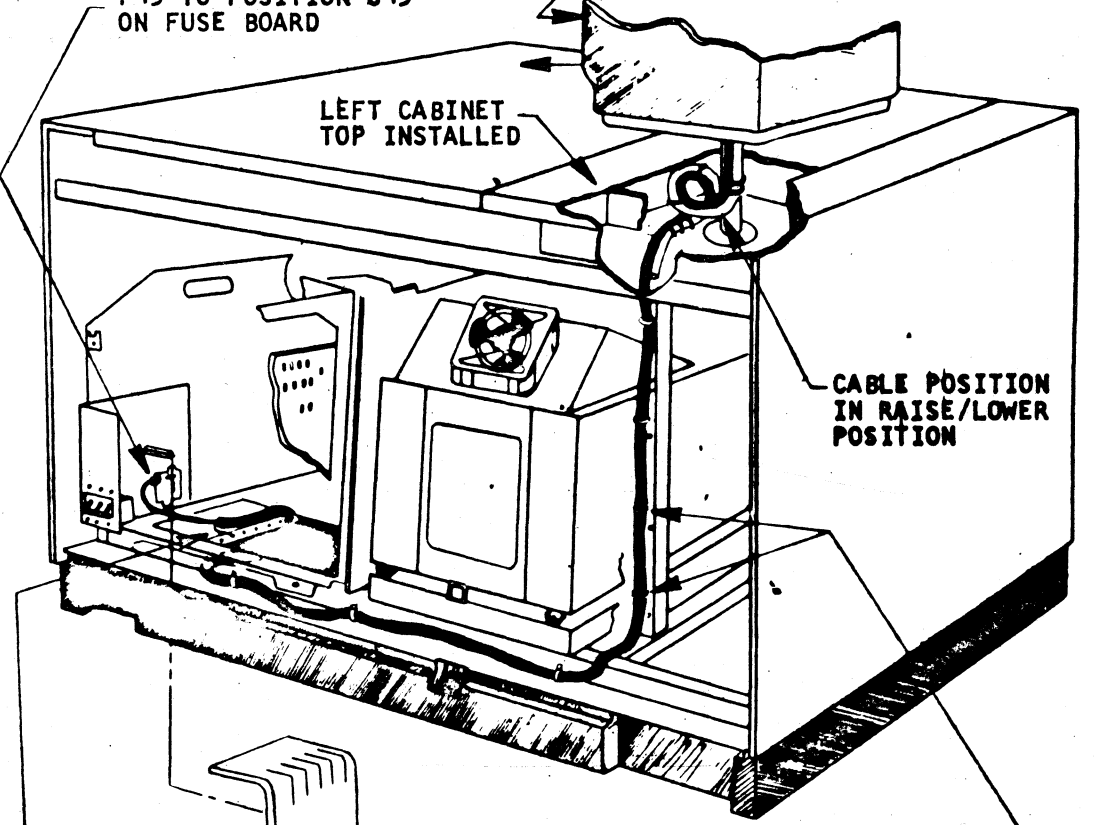
DWG. NO. 2770 4865

CRT SCREEN FACES RIGHT SIDE OF MACHINE IN RAISE/LOWER POSITION

CONNECT CONNECTOR P45 TO POSITION J45 ON FUSE BOARD

LEFT CABINET TOP INSTALLED

CABLE POSITION IN RAISE/LOWER POSITION



CONNECT RING TONGUE TO SH17 WITH 2769 6533 SCREW ASSEMBLY

A.C. PANEL COVER

INSTALL 1472 1955 RETAINING TIE STRAPS (7) TO SECURE A.C. CABLE TO FRAME

FIGURE 5

IMPLEMENTATION INSTRUCTIONS.

IMPLEMENTATION INSTRUCTIONS

8 DIGIT NO. 3185 7196
 TITLE C.R.T.

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8 DIGIT NO. 3185 7196
 TITLE C.R.T.

REV. B	DATE APR.27,79
	SERIAL MFG
	PAGE 2 OF 6 PAGES

ECN 02863 *MFG E*

ECN 03623 B
 G.N. MAR.24.80. MFG
 UPDATED. EMERGENCY.

1. UNPACKING THE C.R.T.
 - 1.1 REMOVE THE PACKING PIECES FROM THE TOP & SIDES OF THE C.R.T. , ALSO REMOVE THE ACCESSORY BOX.
 - 1.2 LIFT OUT THE C.R.T. , WHICH SHOULD STILL BE ATTACHED TO ITS PACKING BOARD , AND STAND ON ITS FACE.
 - 1.3 REMOVE THE SCREWS ATTACHING THE PACKING BOARD TO THE C.R.T. & FIT THE RUBBER FEET 2552 2756 USING SCREWS 2554 0584 PROVIDED.
2. ATTACHING THE I/O CABLE TO THE C.R.T. (B92)
 - 2.1 WITH THE C.R.T. STILL ON ITS FACE , ATTACH THE 50WAY D TYPE CONNECTOR 1101 6334 TO THE C.R.T. BY MEANS OF SCREW KIT 1736 0603 & HOOD / CLAMP 1266 8455 PROVIDED.
 - 2.2 CLAMP THE CABLE TO THE BASE OF THE C.R.T. USING GROMMET 2798 2354 , CLAMP 2798 2115 , LOCKWASHER 2551 4290 & SCREWS 2552 6625 PROVIDED.
 - 2.3 PLACE THE C.R.T. ON ITS FEET.
3. CONNECTING A.C. POWER (115V 50/60Hz) TO THE C.R.T.
 - 3.1 B92
 - 3.1.1 PASS THE C.R.T. A.C. CABLE THROUGH THE PERIPHERAL HOLE .
 - 3.1.2 CONNECT THE BROWN WIRE (LIVE) OF THE A.C. CABLE TO TB30-1 (115V A.C.).
 - 3.1.3 CONNECT THE BLUE WIRE (NEUTRAL) OF THE A.C. CABLE TO TB30-2.
 - 3.1.4 CONNECT THE GROUND WIRE OF THE A.C. CABLE TO LOCATION A34 (SEE FIG.4) OF THE A.C. DISTRIBUTION PANEL .

IMPLEMENTATION INSTRUCTIONS

IMPLEMENTATION INSTRUCTIONS.

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4 B.92 HARNESS INSTALLATION.

- 4.1. IDENTIFY A VACANT I/O CONTROLLER SLOT IN EITHER LEVEL 1 OR LEVEL 2 OF THE BACKPLANE AND FIT CONNECTOR SHROUD 2850 1468 TO THE 'B' SECTION OF THE BACKPLANE.
- 4.2. PASS THE C.R.T. I/O CABLE THROUGH THE CABLE ENTRY PORT AND ROUTE THE CABLE AS SHOWN IN FIG. 3.
- 4.3. TAKE THE 5V CONNECTIONS TO TB1-1X, TB1-1Z, TB1-5X, TB1-5Y AND TB1-5Z. TAKE THE 0V CONNECTIONS TO E8-1X, E8-1Y, E8-2X, E8-2Y AND E8-3X.
THE 'TEST FL' CONDUCTOR ON C.R.T. I/O HARNESS (3180 7175) CONNECTS WITH CONNECTOR (C.R.T.) IN EITHER M.T.R. HARNESS 3180 6409 OR KEYBOARD AND DISPLAY HARNESS 3180 6458.
- 4.4. INSTALL CONNECTOR 2850 4462 INTO SHROUD 2850 1468.
- 4.5. TIE THE CABLE HARNESS TO THE APPROPRIATE POINTS.
- 4.6. CLAMP THE CABLE AT THE MACHINE ENTRY PORT.

5 B.92 CONTROLLER INSTALLATION.

- 5.1. INSERT THE C.R.T. HOST CONTROLLER INTO THE BACKPLANE CARD SLOT SELECTED UNDER SECTION 4 OF THE INSTRUCTIONS.
- 5.2. BY MEANS OF ADDRESS / REQUEST JUMPER KIT (3180 0709) PROVIDED CONNECT A36 (ADDR) AND A35 (REQ) TO AVAILABLE ADDRESS AND REQUEST LINES ON BACKPLANE.
6. THE C.R.T. IS NOW READY FOR TESTING. ENSURE THAT THE SWITCH LOCATED AT THE BOTTOM RIGHT HAND CORNER OF THE DISPLAY IS IN THE ON POSITION.

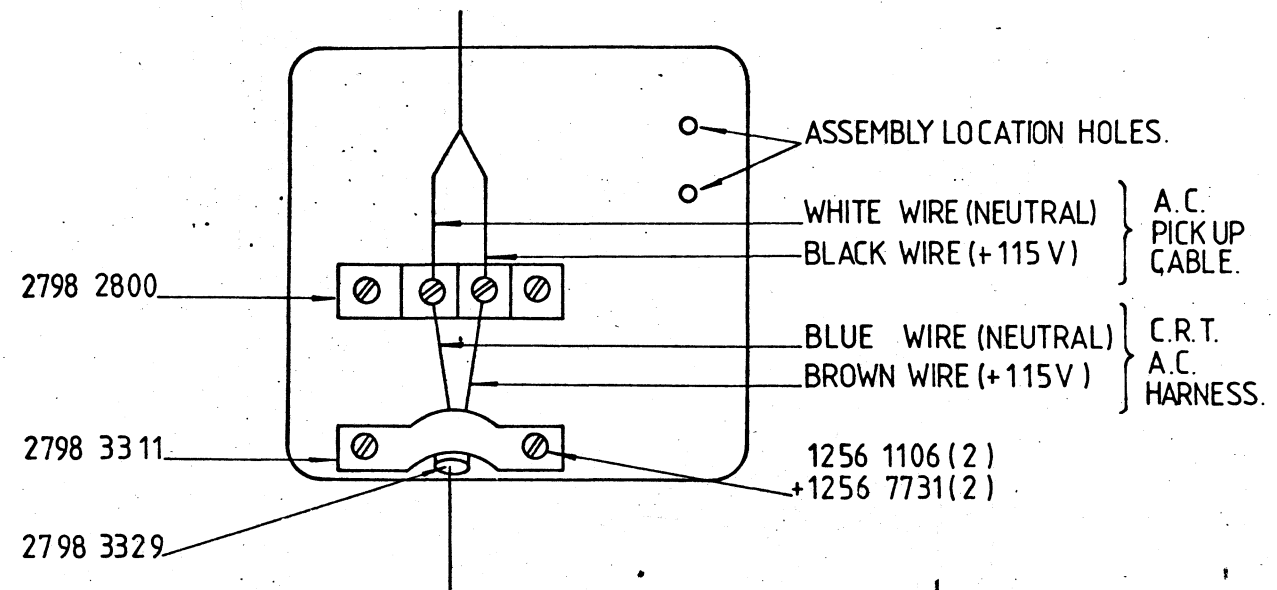


FIG. 1.

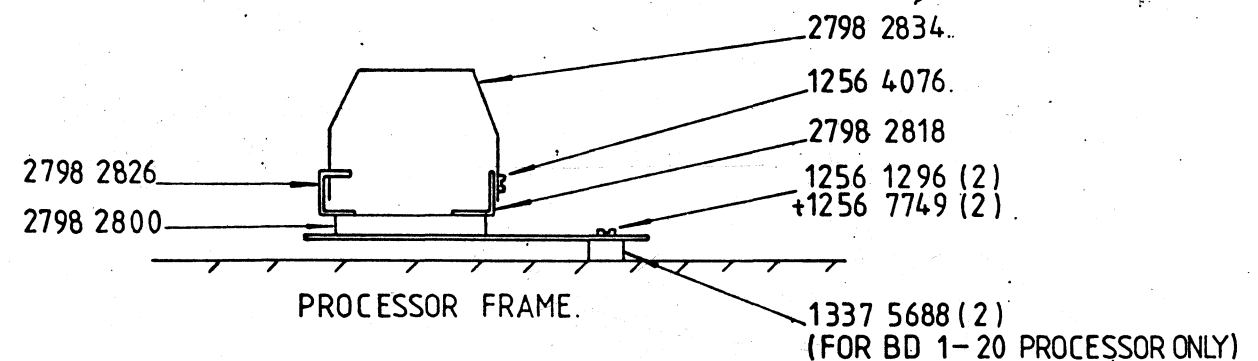


FIG. 2.

A.C. CONNECTOR PLATE ASSEMBLY.

IMPLEMENTATION INSTRUCTIONS.

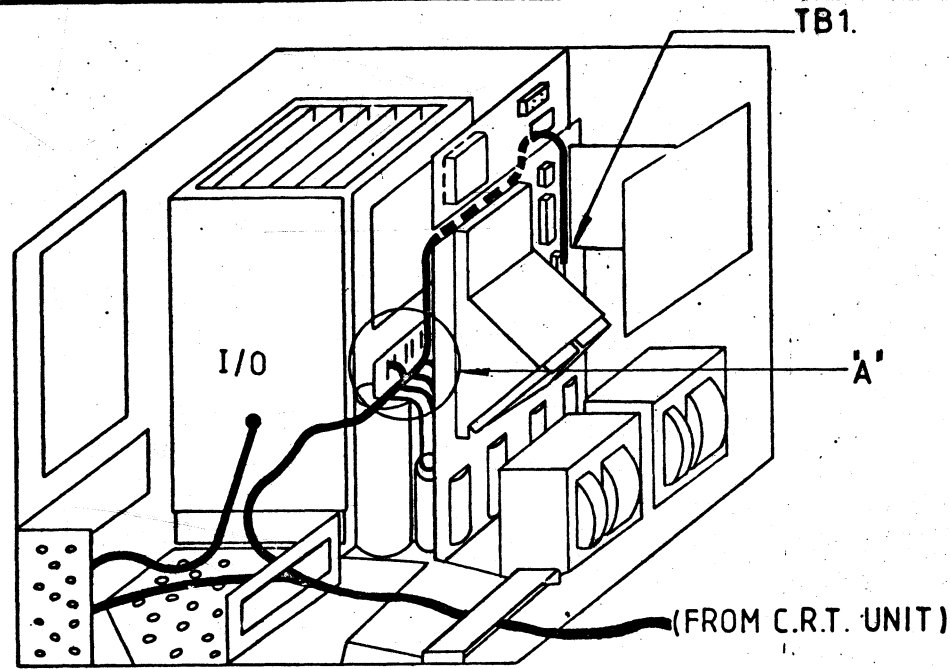
8 DIGIT NO. 3185 7196
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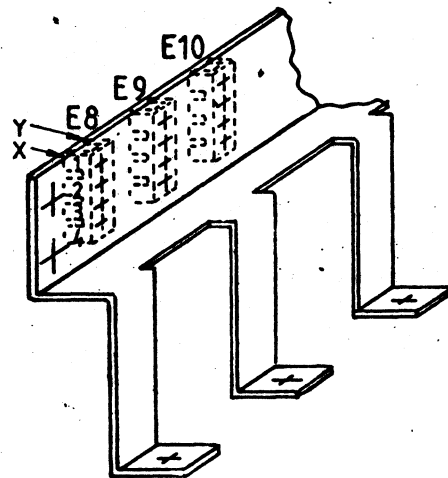
IMPLEMENTATION INSTRUCTIONS

8 DIGIT NO. 3185 7196
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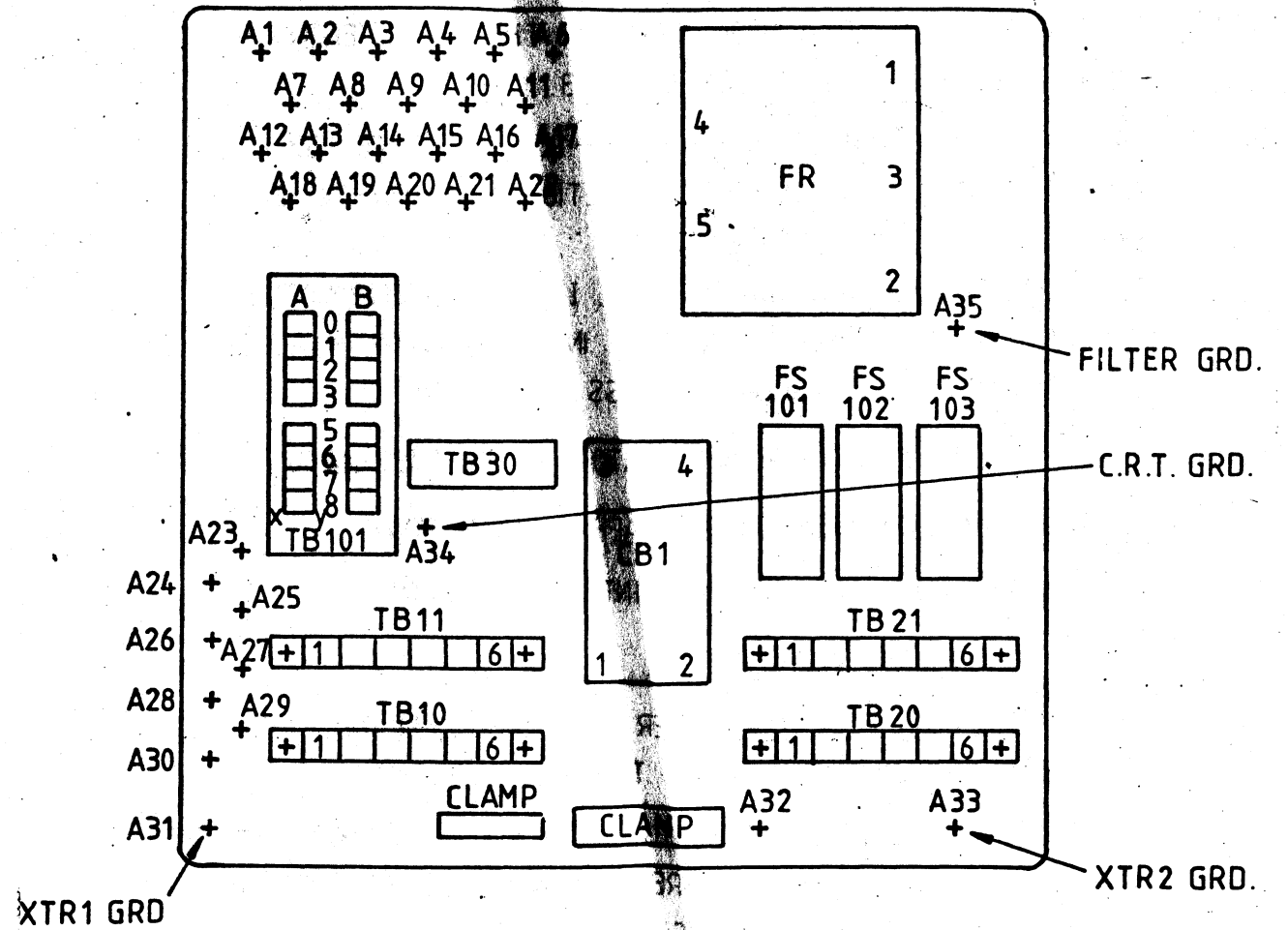
GND. LOCATIONS ON BUS BAR.



PARTIAL VIEW IN 'A'

FIG 3

B92 PROCESSOR
C.R.T. I/O CABLE



A.C. DISTRIBUTION PANEL

FIG. 4