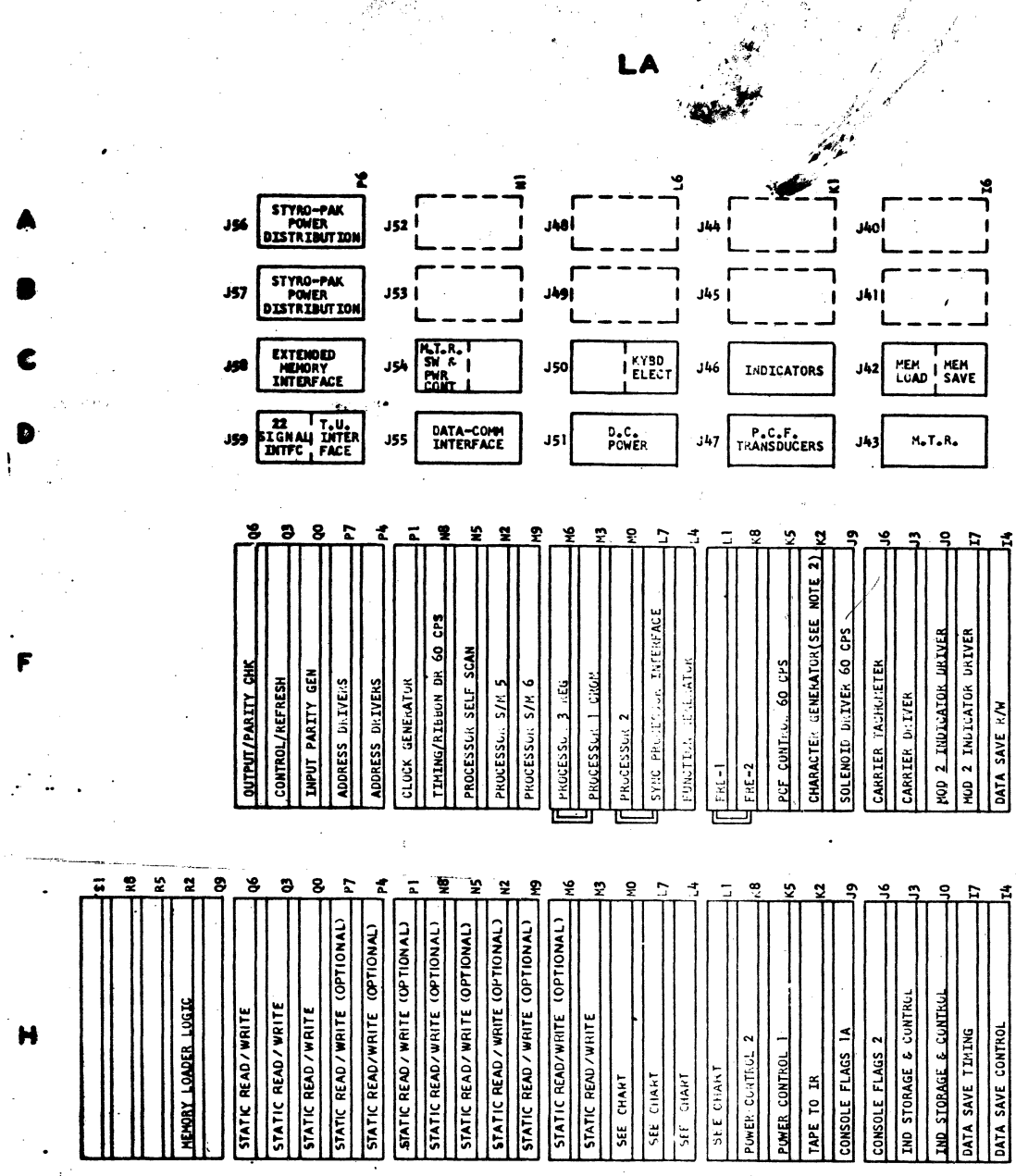
PROPRIETARY DATA



VIEWED FROM PWB SIDE OF BACKPLANE

INDICATES FRONTPLANE CONNECTOR 1534 3940

PWB LOCATION	PWB NAME	SCHEMATIC	DETAIL	ASSEMBLY	PARTS LIST IF APPLICABLE
FI4	DATA SAVE R/W	2471 9437	2471 9429	2471 9411	
FI7	MOD 2 INDICATOR DRIVER	2474 6406	1479 0513	1479 0505	
FJ0	MOD 2 INDICATOR DRIVER	2474 6414	1479 0513	1479 0505	
FJ3	CARRIER DRIVER	2477 7054	2477 7062	2477 7047	
FJ6	CARRIER TACHOMETER	2477 7158	2477 7161	2477 7146	
FJ9(7 PIN)	SOLENOID DRIVER 60 CPS	2477 7013	2477 7021	2477 7005	
FK2(7 PIN)	CHARACTER GENERATOR	2477 7104	2477 7112	2477 7096	SEE NOTE 2
FK5	PCF CONTROL 60 CPS	2477 6973	2477 6981	2477 6965	2477 6957PL
FL0	FRE-2	2477 1917	2474 0706	2474 0714	2473 0392PL
FL1	FRE-1	2477 0828	2471 9775	2471 9767	
FL4	FUNCTION GENERATOR	2471 9912	2471 9304	2471 9296	2472 9618PL
FL7	SYNC PROCESSOR INTERFACE	2471 9551	2471 9544	2471 9536	
FM0	PROCESSOR 2	2471 9114	2471 9106	2471 9098	2473 0871PL
FM3	PROCESSOR 1 CROM	2471 9072	2471 9064	2471 9056	2473 0863PL
FM6	PROCESSOR 3 REG	2471 9155	2471 9148	2471 9130	2473 0889PL
FM9	PROCESSOR S/M 6	2471 9270	2471 9262	2471 9254	2472 9600PL
FN2	PROCESSOR S/M 5	2471 9239	2471 9221	2471 9213	
FN5	PROCESSOR SELF SCAN	2473 4162	2473 4154	2473 4147	
FN8	TIMING RIBBON DR 60 CPS	2479 1279	2479 1287	2479 1261	
FP1	CLOCK GENERATOR	2479 1444	2471 9387	2471 9379	
FP4	ADDRESS DRIVERS	2473 9351	2473 3719	2471 8934	
FP7	ADDRESS DRIVERS	2471 8959	2473 3719	2471 8934	
FQ0	INPUT PARITY GEN	2471 8918	2473 3701	2471 8892	
FQ3	CONTROL/REFRESH	2471 8876	2471 8868	2471 8850	
FQ6	OUTPUT/PARITY CHK	2471 8991	2471 8983	2471 8975	

PWB LOCATION	PWB NAME	SCHEMATIC	DETAIL	ASSEMBLY	PARTS LIST IF APPLICABLE
HI4	DATA SAVE CONTROL	2471 9510	2471 9502	2471 9494	
HI7	DATA SAVE TIMING	2471 9478	2471 9460	2481 0095	
HJ0	IND STORAGE & CONTROL	2474 3569	2471 3588	2471 3562	
HJ3	IND STORAGE & CONTROL	2471 3570	2471 3588	2471 3562	
HJ6	CONSOLE FLAGS 2	2472 5673	2472 5665	2472 5657	
HJ9	CONSOLE FLAGS 1A	2474 6943	2474 6950	2474 6935	
HK2	TAPE TO IR	2471 9353	2471 9346	2471 9338	
HK5	POWER CONTROL 1	2471 9031	2471 9023	2471 9015	
HK8	POWER CONTROL 2	2472 5095	2472 5087	2472 5079	
HL1	PROM 1K/2K×8	2474 3213	2474 3205	2474 3197	2476 0035PL
HL1	ROM 2K×8	2471 8835	2471 8827	2471 8819	SEE NOTE 1
HL4	ROM 2K×8	2471 8835	2471 8827	2471 8819	SEE NOTE 1
HL4	STATIC READ/WRITE	2479 9629	2479 9611	2479 9603	SEE NOTE 1
HL7	ROM 2K×8	2471 8835	2471 8827	2471 8819	SEE NOTE 1
HL7	STATIC READ/WRITE	2479 9629	2479 9611	2479 9603	SEE NOTE 1
HM0	ROM 2K×8	2471 8835	2471 8827	2471 8819	SEE NOTE 1
HM0	STATIC READ/WRITE	2479 9629	2479 9611	2479 9603	SEE NOTE 1
HM3	STATIC READ/WRITE	2479 9629	2479 9611	2479 9603	SEE NOTE 1
HM6	STATIC READ/WRITE (OPTIONAL)	2479 9629	2479 9611	2479 9603	SEE NOTE 1
HM9	STATIC READ/WRITE (OPTIONAL)	2479 9629	2479 9611	2479 9603	SEE NOTE 1
HN2	STATIC READ/WRITE (OPTIONAL)	2479 9629	2479 9611	2479 9603	SEE NOTE 1
HN5	STATIC READ/WRITE (OPTIONAL)	2479 9629	2479 9611	2479 9603	SEE NOTE 1
HN8	STATIC READ/WRITE (OPTIONAL)	2479 9629	2479 9611	2479 9603	SEE NOTE 1
HP1	STATIC READ/WRITE (OPTIONAL)	2479 9629	2479 9611	2479 9603	SEE NOTE 1
HP4	STATIC READ/WRITE (OPTIONAL)	2479 9629	2479 9611	2479 9603	SEE NOTE 1
HP7	STATIC READ/WRITE (OPTIONAL)	2479 9629	2479 9611	2479 9603	SEE NOTE 1
HQ0	STATIC READ/WRITE	2479 9629	2479 9611	2479 9603	SEE NOTE 1
HQ3	STATIC READ/WRITE	2479 9629	2479 9611	2479 9603	SEE NOTE 1
HQ6	STATIC READ/WRITE	2479 9629	2479 9611	2479 9603	SEE NOTE 1
HQ9	MEMORY LOADER LOGIC	2477 1935	2471 9505	2471 9577	
HR2					
HR5					
HR8					
HS1					

NOTES:

1. THE PROPER PWB TO BE INSERTED IN THIS LOCATION IS DESCRIBED ACCORDING TO MACHINE STYLE IN:
   2476 5190, BASIC MEMORY PWB LOCATION CHART
2. THE PROPER PWB TO BE INSERTED IN THIS LOCATION IS DESCRIBED ACCORDING TO KEYBOARD VERSION IN:
   2479 3635 L9 CHARACTER GENERATOR SELECTION CHART
3. PWB = PRINTED WIRING BOARD

PAGE	E.R. DATE	REV
1	6-26-75	C

Burroughs Corporation
SYSTEMS M & E GROUP PLYMOUTH PLANT
PLYMOUTH, MICHIGAN 48170 U.S.A.

TITLE: PWB & I/O CONNECTOR LOCATION CHART, SYSTEM
SYSTEM: L93XX, L94XX
DRAWN: HAXFIELD 2-20-75
CHECKED: ALLRED 2-28-75, WINSHIP 3-15-75
APPROVED: 3-26-75
RELEASED: 10-15-74
DWG. NO.: 2479 1329
REV LETTER: C
PAGE: 1 OF 1

DWG. NO. 2479 1329
PAGE 1 OF 1

ADA-I...
DQ3D
FL2S
* FL8G

ADDRH1/.
DN9C
* FP4I

ADDRH2/.
DN8C
* FP5Q

ADDRH4/.
DP0E
* FP7S

ADDRH8/.
DN9D
* FP7R

ADDRK1/.
DN7B
* FP7X

ADDRK2/.
DN9E
* FP4S

ADDRK4/.
DN8D
* FP4R

ADDRK8/.
DN7C
* FP4X

ADDRT1/.
DP0B
FP8Q
* FQ4F

ADDRT2/.
DP0C
* FP5B

ADDRT4/.
DN8B
* FP5F

ADDRT8/.
DP0D
* FP5K

ADDRU1/.
DN9A
FP8B
* FQ3I

ADDRU2/.
DP0A
FP8F
* FQ4H

ADDRU4/.
DN7A
FP8K
* FQ4I

ADDRU8/.
DN9B
FP7I
* FQ4G

ADDRODD.
FJ7K
* FK3Q

ADRLN1..
* FM6C
FP8H

ADRLN2..
* FM7B
FP8G

ADRLN4..
* FM6B
FP8J

ADRLN8..
* FM7C
FP8I

ADRLZ1..
* FM4J
FP8P

ADRLZ2..
* FM4D
FP5H

ADRLZ4..
* FM7D
FP5G

ADRLZ8..
* FM4E
FP5J

ADRUN1..
* FM6L
FP5I

ADRUN2..
* FM7E
FP5P

ADRUN4..
* FM6K
FP8U

ADRUN8..
* FM7J
FP8V

ADRUZ1..
* FM6J
FP7W

ADRUZ2..
* FM7G
FP5U

ADRUZ4..
* FM6G
FP5V

ADRUZ8..
* FM6I
FP4W

ADVLDRA.
FJ3P
* FN9G

ADVLSOL.
DK4A
* FJ3I

ADVRDRA.
FJ4Q
* FN9C

ADVRSOL.
DK1D
* FJ4K

ADX1C...
* FL2V
FN5J

ADX12C..
* FN6I
HK0H

ADX2/C..
HJ3J
HJ7C
* HK0D

ADX2C...
* FL2T
FN6J

AD1-I...
DQ2E
* FL8E

AD1CON..
FL1V
* FL7N

AD2-I...
DQ5B
FL1T
* FL8C

AD4-I...
DQ3E
FL2U
* FL8F

AD8-I...
DQ2C
FL1S
* FL7C

AEQB....
* FL5G
FN0Y
FN3F

AGCP....
FI4R
* HI8F

ALARMDR/
FJ3H
* FN8D

ALARMSOL
DK1E
* FJ3K

ALN1-1A.
* FP8E
HL2V
HL5V
HL8V
HM1V
HM4V
HM7V
HN0V
HN3V
HN6V
HN9V
HP2V
HP5V
HP8V
HQ1V
HQ4V
HQ7V

ALN1/-1A
CQ0E
* FP8C

ALN2-1A.
* FP7E
HL2R
HL5R
HL8R
HM1R
HM4R
HM7R
HN0R
HN3R
HN6R
HN9R
HP2R
HP5R
HP8R
HQ1R
HQ4R
HQ7R

ALN2/-1A
CP8E
* FP7C

ALN4-1A.
* FP8N
HL2S
HL5S
HL8S
HM1S
HM4S
HM7S
HN0S
HN3S
HN6S
HN9S
HP2S
HP5S
HP8S
HQ1S
HQ4S
HQ7S

ALN4/-1A
CP7E
* FP8L

ALN8-1A.
* FP7H
HL2T
HL5T
HL8T
HM1T
HM4T
HM7T
HN0T
HN3T
HN6T
HN9T
HP2T
HP5T
HP8T
HQ1T
HQ4T
HQ7T

ALN8/-1A
CP6E
* FP7F

ALZ1-1A.
* FP7Q
HL2U
HL5U
HL8U
HM1U
HM4U
HM7U
HN0U
HN3U
HN6U
HN9U
HP2U
HP5U
HP8U
HQ1U
HQ4U
HQ7U

ALZ1/-1A
CP9E
* FP7N

ALZ2-1A.
* FP5E
HL2X
HL5X
HL8X
HM1X
HM4X
HM7X
HN0X
HN3X
HN6X
HN9X
HP2X
HP5X
HP8X
HQ1X
HQ4X
HQ7X

ALZ2/-1A
CP7D
* FP5C

ALZ4-1A.
* FP4E
HL2Y
HL5Y
HL8Y
HM1Y
HM4Y
HM7Y
HN0Y
HN3Y
HN6Y
HN9Y
HP2Y
HP5Y
HP8Y
HQ1Y
HQ4Y
HQ7Y

ALZ4/-1A
CP6D
* FP4C

ALZ8-1A.
* FP5N
HL1S
HL4S
HL7S
HM0S
HM3S
HM6S
HM9S
HN2S
HN5S
HN8S
HP1S
HP4S
HP7S
HQ0S
HQ3S
HQ6S

ALZ8/-1A
CP6C
* FP5L

ANAL....
* F15W
HI7E

AN1.....
* FL4B
FL8I
* FM6S
FM9Q
FN3X

AN2.....
* FL4C
FL8J
FM7S
FN0N
FN3R

AN4.....
* FL4D
FL7K
FM7R
FM9S
FN2L

AN8.....
* FL4E
FL8K
FM6R
FM9N
FN3W

AREQ0...
* FM6W
FN3E

AREQ1...
* FM7V
FN3G

AUN1-1A.
* FP4H
HL1T
HL4T
HL7T
HM0T
HM3T
HM6T
HM9T
HN2T
HN5T
HN8T
HP1T
HP4T
HP7T
HQ0T
HQ3T
HQ6T

AUN1/-1A
CP8D
* FP4F

AUN2-1A.
* FP4Q
HL2W
HL5W
HL8W
HM1W
HM4W
HM7W
HN0W
HN3W
HN6W
HN9W
HP2W
HP5W
HP8W

AUN2/-1A
CP6B
* FP4N

AUN4-1A.
* FP7L
HL2N
HL5N
HL8N
HM1N
HM4N
HM7N
HN0N
HN3N
HN6N
HN9N
HP2N
HP5N
HP8N
HQ1N
HQ4N
HQ7N

AUN4/-1A
CP7C
* FP8T

AUN8-1A.
* FP7M
HL2B
HL5B
HL8B
HM1B
HM4B
HM7B
HN0B
HN3B
HN6B
HN9B
HP2B
HP5B
HP8B
HQ1B
HQ4B
HQ7B

AUN8/-1B
CP8C
* FP7T

AUZ1-1A.
* FP7K
HL2C
HL5C
HL8C
HM1C
HM4C
HM7C
HN0C
HN3C
HN6C
HN9C
HP2C
HP5C
HP8C
HQ1C
HQ4C
HQ7C

AUZ1/-1A
* FP8Y
HL8C
HM1C
HN6H
HN9H
HP2H
HP5H
HP8H
HQ1H
HQ4H
HQ7H

AUZ1/-1B
CP6A
* FP8W

AUZ2/-1A.
* FP4L
FP5S
HL2D
HL5D
HL8D
HM1D
HM4D
HM7D
HN0D
HN3D
HN6D
HN9D
HP2D
HP5D

AUZ2/-1B
CP8B
* FP5T

AUZ4-1A.
* FP4M
HL2H
HL5H
HL8H
HM1H
HM4H
HM7H
HN0H
HN3H

AUZ4/-1A
* FP4V
HN6H
HN9H
HP2H
HP5H
HP8H
HQ1H
HQ4H
HQ7H

AUZ4/-1B
CP9D
* FP4T

AUZ8-1A.
* FP4K
HL2I
HL5I
HL8I
HM1I
HM4I
HM7I
HN0I

AUZ8/-1A
* FP5Y
HN3I
HN6I
HN9I
HP2I
HP5I
HP8I
HQ1I
HQ4I
HQ7I

AUZ8/-1B
CP7A
* FP5W

AZ1.....
* FL5C
FL8V
FM7T
FN0M
FN3Y

AZ2.....
* FL5B
FL8W
FM6T
FM9K
FN3Q

AZ4.....
* FL5E
FL8R
FM6U
FN0L
FN3V

AZ8.....
* FL4F
FL8X
FM7U
FM9J
FN3H
FN3S

BAT/....
CN6C
* HK8Y

BATENF..
HJ6N
* HK8M

BATONF/.
HJ7X
HJ9M
HK6I
* HK9W

BTPWR/..
* CN7C
HK9P

BYPASS..
* FN5U
FQ4W

BYPF-1C.
* FK8T
HJ3L

.BOT.....
HI4I
* HI7J

CAPRO...
* FJ9P
FK3P
FN8J

CAPROC..
* DK9D
FK0H

CAPROE..
* DL0D
FK0J

CAPROG..
DK8D
* FK0I

CARRLD/.
FJ6F
* FN8P

CEN-A...
* FQ3E
FQ6R
HL2J
HL5J
HL8J
HM1J
HM4J
HM7J
HN0J
HN3J
HN6J
HN9J
HP2J
HP5J
HP8J
HQ1J
HQ4J
HQ7J

CEN-B...
CQ1C
* FQ4E

CER.....
* FN9L
HJ7I

CIN.....
FL5M
* FM9U

CLEN/-I.
DQ2A
FL1M
FL7P
* FP1W

CLKA/...
* HI4M
HI7R

CLKB/...
* HI5U
HI8W

CLM-DC..
* FQ4R
HK5W

CLM-P...
FM6M
* FP2P

CLM/-C..
FL1Y
* FP1S

CLM/-DC.
DN6E
* FP1M
FQ4S

CLM/-I..
DQ1E
* FP1N

CLM/PC..
* FP2M
HK9L

CLMI....
FP2N
* FP2Q

CLS-P...
FM6N
* FP1I

CLS/-C..
FL1X
* FP2X

CLS/-DC.
DN6A
* FP2Y

CLS/-I..
DQ1A
* FP1Y

CLS/PC..
* FP1J
HK6R
HK9S

CLSI....
* FP1U
FP2V

CLODR...
FJ4M
* FN8G

CLOSOL..
DK4C
* FJ4C

CNTMU...
* FM1E
* FM3U

CRDLA...
DK7A
* FJ4Y

CRDLB/..
DK6A
* FJ4X

CRDLC/..
* DK6B
* FJ3D

CRDRA...
DK7E
* FJ3Y

CRDRB/..
DK6E
* FJ3X

CRDRC/..
DK6D
* FJ3E

CRFBG...
* DK7B
FJ3W

CRFBL1..
* DK7C
FJ4V

CRFBL2..
* DK7D
FJ4E

CRGR....
* FJ7Q
FK2R

CRGR/...
FJ6M
* FK2L

CRHICUR/
FJ3V
* FJ7T

COUNT...
* CN7B
HK8N

COUT....
* FL5F
FM9V

C24VF+..
* DK6C
FJ4L

C4ADS/..
HJ7L
* HK0L

DATAIF/.
HI5P
* HI7N

DATAIN/.
* HI5X
HI7U

DCEL....
* FJ7U
FK6M

DCRW/...
DN7D
* FQ7U

DCROM/..
DN8E
* FQ6N

DCTLIN/.
* HI5I
HI7P

DCTLOUT.
* HI5T
HI7L

DIRECT/.
* CN9B
HJ6S

DMAC....
FM0Y
* FM3W

DMAC/-I.
DQ2D
FL2M
* FL8D

DMI1/...
* DN3C
FQ1B

DMI2/...
* DN1A
FQ1C

DMI3/...
* DN2B
FQ1H

DMI4/...
* DN4D
FQ1I

DMI5/...
* DN2A
FQ1P

DMI6/...
* DN3B
FQ1M

DMI7/...
* DN4C
FQ1Y

DMI8/...
* DN3A
FQ1V

DPNCF/..
* FN3N
HJ9Q

DREFN/..
DN6C
* FP1V

DS/.....
* FI4Y
HI5S

DSADD...
* FN5L
HK9X

DSAF....
FL8N
* FN6P
HI4J

DSCS3/C.
* HJ6B
HK0M

DSS/C...
* FK9X
HK0P

DWRITE..
* FQ3R
* FQ3W
FQ4C

DWRITE/.
DN6B
* FQ4D

DOWNM...
* FM0F
* FM4U

D1-I....
DQ4E
FL1G
* FL7Q
HI5G
* HI7V

D1/C....
FL1J
HJ0D
HJ0M
HJ4U
* HJ6M
HK0K

D2-I....
DQ2B
FL1B
* FL7R
HI4G
* HI7W
* HJ7R

D2/C....
FL1D
HJ0E
HJ3S
* HJ6H
HK0Q

D3-I....
DQ4D
FL1E
* FL7M
HI5B
* HI7X
* HJ7Q

D3/C....
FL2F
HJ1G
HJ4M
* HJ6E
HJ9P

D4-I....
DQ5E
FL2E
* FL7L
HI4B
* HI7Y

D4/C....
FL1F
HJ1L
HJ4N
* HJ6K
HK0N

D5-I....
DQ3C
FL2G
* FL7U
HI4C
* HI7T

D5/C....
FL1H
HJ1N
HJ4L
* HJ6P
HJ9I

D6-I....
DQ4C
FL2D
* FL7T
HI4E
* HI7M

D6/C....
FL1C
* FN6E
HJ1M
HJ4G
* HJ7F
HK0G

D7-I....
DQ5D
FL2H
* FL7W
HI5F
* HI7S

D7/C....
FL1I
HJ0S
HJ3E
* HJ6G
HK0I

D8-I....
DQ3B
FL2C
* FL7V
HI4F
* HI8L
* HK8Q

D8/C....
FL2B
HJ0J
HJ1U
HJ3D
* HJ7G
HJ9H

ERROR/..
HJ9B
* HK3D

EXECUTE/
* CN9C
HJ6Y

EXMEM...
FM1M
* HK2X

EXMEM/..
* CP0B
FN5N
HK3Y

FMSLD/..
FK3E
* FN8M

FPF.....
HK6Q
* HK9M

FPOFL...
* FN5T
HK9Y

FP1/....
FK0C
* FK2Q

FP2/....
FJ9C
* FK2P

FP3/....
FJ9B
* FK3M

FP4/....
FK0D
* FK3K

FP5/....
FK0L
* FK2N

FP6/....
FK0P
* FK2K

FP7/....
FJ9Y
* FK3I

FP8/....
FK0T
* FK2H

FP9/....
FK0Y
* FK3N

FTU.....
FK6P
* FP1G

FTU/....
FN9Q
* FP1H

FTUC....
* DK9E
FP2D

FTUFF...
FK2J
* FN9H

FTULAMP.
DK9B
* FP2G

FWD/....
* HI5H
HI7K

FO......
FL4G
* FM3V

F1......
FL4I
* FM4F

F2......
FL5K
* FM4W

F3......
FL5L
* FM3E

F4......
FL4R
* FM4X

F5......
FL5J
* FM0H

F6......
FL4Q
* FM4Y

F7......
FL4S
* FM1G

GALN1-1A
* FP7D
* FP8D
HN3P
HN6P
HN9P
HP2P
HP5P
HP8P
HQ1P
HQ4P
HQ7P

NOTES:
1. FOR WIRED BACKPLANE 2479 0263
2. AN ASTERISK (*) INDICATES SOURCE PIN

PAGE	E.R. DATE	REV
1		
2		
3		
4		

DWG. NO. 2479 1352
PAGE 1 OF 4

TITLE BACKPLANE CIRCUIT LIST
SYSTEM L93XX, L94XX
DWG. NO. 2479 1352
DRAWN EISENMANN
CHECKED 2-4-75
APPROVED 2-4-75
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DRAWN TOENNMANN
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* FL1Q
FN8I
HJ0X
HJ1E
HJ3X
HJ4E
HJ7N
HK0X

PORDW...
FQ4T
* FQ4X

PORM/...
CQ2B
CQ3D
CQ4C
CQ5E
HJ9V
* HK5Q
* HK5R
* HK5S
* HK5T
HK9K
HL2E
HL5E
HL8E
HM1E
HM4E
HM7E
HN0E

HN3E
HN6E
HN9E
HP2E
HP5E
HP8E
HQ1E
HQ4E
HQ7E

PORPR/..
FM7L
FN0D
FN2M
FN5P
HI5E
HK2J
* HK9F

PORT1...
* FK5Y
FN9K

PORT2...
* FK5V
FN9P

PORT3...
* FK6V
FN8V

R+SCAPRO
FK6Q
* FN8H

RAWCLK..
* FI5Y
HI8M

RB1A....
DK5A
* FN9W

RB1B....
DK5B
* FN9V

RB2A....
DK5C
* FN8W

RB2B....
DK5D
* FN8Y

RDCLK/..
HI4U
* HI8U

RDYSW/..
* CL0B
FP2H

REF.....
FP1T
* FQ3T

REFDC...
DN5A
* FP2W

RELARM..
CJ3D
* HR3J

REPEAT/.
* CN9A
HJ6T

REWIND/.
* HI5K
HI7I

RIGHT/..
FJ4T
* FJ6R

RN1.....
FL4P
* FM6V

RN2.....
FL5H
* FM3C

RN4.....
FL4H
* FM4B

RN8.....
FL5I
* FM7W

RSCTR/...
* HI5L
HI8V

RSTDC/..
DN4A
* FM1W

RSTPT/-I
DQ5C
FL1P
* FL8B

RT-I....
DQ1B
FL2L
* FL7X
HI8C

RTC.....
* FL2N
HJ3M

RTF.....
HI5J
* HI7C

RTRCTDR.
FJ4N
* FN8C

RTRCTIM/
* FK3D
FK6J

RTRCTSOL
DK1C
* FJ4F

RWCLK...
FM0X
* FP2R
FQ4Q

RWCLKDC.
DN5E
* FP1X

RWC1F...
HI5C
* HI8R

RWC8F...
HI4D
* HI8T

RWMCP/..
CQ3E
FQ6V
* HL2G
* HL5G
* HL8G
* HM1G
* HM4G
* HM7G
* HN0G
* HN3G
* HN6G
* HN9G
* HP2G
* HP5G
* HP8G
* HQ1G
* HQ4G
* HQ7G

RZ1.....
FL4M
* FM3B

RZ2.....
FL4N
* FM6X

RZ4.....
FL4K
* FM9Y

RZ8.....
FL4L
* FM7Y

ROMCP/..
CQ1B
FQ6S
* HL2M
* HL5M
* HL8M
* HM1M
* HM4M
* HM7M
* HN0M
* HN3M
* HN6M
* HN9M

* HP2M
* HP5M
* HP8M
* HQ1M
* HQ4M
* HQ7M

SBPWR/..
* FN6L
HK9R

SBPWRRL.
CK7E
* HK8G

SCOUNT/.
* FJ7L
FK3L

SD/.....
HK6N
* HK8J

SDRENAB.
FJ3R
* FN9X

SELLD...
* HJ1K
HJ1T
HJ4T

SEL12F/.
* HJ0Q
HJ3R
HJ4J

SEL22F..
HJ0R
* HJ4I

SEL22F/.
HJ1J
* HJ3Q

SEQ0F...
FM0L
* FM9R

SET.APBF
FJ3L
* FK8X

SIN1/-1A
* FQ0D
HL1N
HL4N
HL7N
HM0N
HM3N
HM6N
HM9N
HN2N
HN5N
HN8N
HP1N
HP4N
HP7N
HQ0N
HQ3N
HQ6N

SIN1/-1B
CP9C
* FQ0B

SIN2/-1A
* FQ0E
HL1P
HL4P
HL7P
HM0P
HM3P
HM6P
HM9P
HN2P
HN5P
HN8P
HP1P
HP4P
HP7P
HQ0P
HQ3P
HQ6P

SIN2/-1B
CP8A
* FQ0F

SIN4/-1A
* FQ0J
HL1M
HL4M
HL7M
HM0M
HM3M
HM6M
HM9M
HN2M
HN5M
HN8M
HP1M
HP4M
HP7M
HQ0M
HQ3M
HQ6M

SIN4/-1B
CP9B
* FQ0H

SIN8/-1A
* FQ0K
HL1L
HL4L
HL7L
HM0L
HM3L
HM6L
HM9L
HN2L
HN5L
HN8L
HP1L
HP4L
HP7L
HQ0L
HQ3L
HQ6L

SIN8/-1B
CQ0D
* FQ0I

SIP1/-1A
* FQ1F
HL1Q
HL4Q
HL7Q
HM0Q
HM3Q
HM6Q
HM9Q
HN2Q
HN5Q
HN8Q
HP1Q
HP4Q

HP7Q
HQ0Q
HQ3Q
HQ6Q

SIZ1/-1A
* FQ0P
HL1K
HL4K
HL7K
HM0K
HM3K
HM6K
HM9K
HN2K
HN5K
HN8K
HP1K
HP4K
HP7K
HQ0K
HQ3K
HQ6K

SIZ1/-1B
CP9A
* FQ0N

SIZ2/ 1A
* FQ0Q
HL1I
HL4I
HL7I
HM0I
HM3I
HM6I
HM9I
HN2I
HN5I
HN8I
HP1I
HP4I
HP7I
HQ0I
HQ3I
HQ6I

SIZ2/-1B
CQ0C
* FQ0R

SIZ4/-1A
* FQ0S
HL1J
HL4J
HL7J
HM0J
HM3J
HM6J
HM9J
HN2J
HN5J
HN8J
HP1J
HP4J
HP7J
HQ0J
HQ3J
HQ6J

SIZ4/-1B
CQ0B
* FQ0V

SIZ8/-1A
* FQ0U
HL1R
HL4R
HL7R
HM0R
HM3R
HM6R
HM9R
HN2R
HN5R
HN8R
HP1R
HP4R
HP7R
HQ0R
HQ3R
HQ6R

SIZ8/-1B
CQ0A
* FQ0W

SKIJUM..
* FM1C
FN0G

SKIP....
FN0V
* FN2G

SPF/....
HK6W
* HK8T

SPORDC..
FM1Y
* FN6T

START/..
* CL0A
HK9J

STBIR/..
FL8S
* HK2P

STROBE/.
CL8D
HK0V
* HR3N

S1F-1...
* HJ6Q
HK0B

S1F/1...
FK9B
* HJ7V

S2F/1...
FK9A
* HJ6R

S3FE/...
FK8P
* HJ7T

TACHV...
* CJ0D
HI7F

TJKDC...
* FL2X
HJ1P
HJ4P
HJ7M
HJ9W

TJKP....
FL8Y
FM9Y
FN2F
FN5R

* FP1K
HI4H
HI8X
HK3B

TPENMC/.
FN2K
* FN6S

TPUD1...
FJ6D
FK2Y
* FK5H
FN8N

TPUD2...
FJ7C
FK3X
* FK5L
FN9N

TPUD3...
FJ7D
FK2X
* FK5F
FN9M

TPUD4...
FJ6E
FK3V
* FK5J
FN9I

TPUD5...
FJ6H
FK3W
* FK6E
FN9F

TPUD6...
FJ7H
FK3Y
* FK6H
FN8E

TPUD7...
FJ7G
FK3U
* FK5C
FN9E

TPUD8...
FJ6G
FK2V
* FK6G
FN8F

TR......
* FM1X
FM4V

TR-I....
DQ4B
* FL2K
FL7S
* HI5D

TRBL/C..
FK9Z
* HJ7B

TTIR/...
* CP0A
FN6N
HK3F

TTIR/-1.
FM0N
HK0E
* HK3E

TTRAK...
* CJ4D
HR2B

UND.....
* FJ7B
FK3J

UVCF/...
* HK6L
HK8L

UVD.....
* HK5V
HK8K

UVL.....
* HK6K
HK8S

UVTO/...
* HK6M
HK9Q

UV1-1...
* CN8E
* FJ7X

UV1/....
FJ6X
* HK6S
HK8H
HK8I

UV2.....
* HK6U
HK9U

WAUC....
* FK8M
FN5B

WCLK-1A.
* FQ4N
HL2F
HL5F
HL8F
HM1F
HM4F
HM7F
HN0F
HN3F
HN6F
HN9F
HP2F
HP5F
HP8F
HQ1F
HQ4F
HQ7F

WCLK-1B.
FQ3B
FQ3C
* FQ4L

WCLK/-1B
CQ1E
* FQ3D

WCLKE...
* HI4V
HI8Y

DWG. NO. 2479 1352
SHT. 3 OF 4

Burroughs Corporation
SYSTEMS M & E GROUP
PLYMOUTH, MICHIGAN 48170
PLYMOUTH PLANT
U. S. AMERICA
PROPRIETARY TO BURROUGHS CORP. — NOT TO BE REPRODUCED, NOR USED FOR MANU-FACTURING PURPOSES EXCEPT ON BURROUGHS ORDER OR PRIOR WRITTEN AGREEMENT

TITLE BACKPLANE CIRCUIT LIST
DRAWN L88XX, L84YY
DWG. NO. 2479 1352
DATE 10-18-74
NEW LETTER AA
PAGE 3 OF 4

WCO.....
FI4G
* HI5Q

WC1.....
FI4F
* HI5R

WDO.....
FI4P
* HI5M

WD1.....
FI4N
* HI4N

WMODE/..
FI5U
* HI4L

WRITE...
* FK5K
FN8T

WTC15...
HI4W
* HI7Q

XFFJC...
FK9Y
* FP2K

ZEQO/...
FMOM
* FM3J
FN3K

OBD1C...
FK5G
* FK8N

OBD2C...
FK5M
* FK9T

OBD4C...
FK5I
* FK9N

OBD5C...
FK6D
* FK8S

OBD6C...
FK6I
* FK9R

OBD7C...
FK5B
* FK8R

OBD8C...
FK6F
* FK9Q

OBINP8/.
* FK9I
FK9P

ODC/....
FJ6T
* FK5W

ODC/XC..
* FJ6W
FK8G

OEXTC...
FK5T
* FK8Z

ONLINF/.
OP6C
* HJ1H

OPB.....
* FMOD
FN2E

OPD.....
* FP2F
HJ6F

OPDSWO..
* DK9A
FP1C

OPNDR...
FJ3J
* FN8S

OPNSOL..
DK4B
* FJ3C

OP3.....
* FM1D
FN5V

OP3-1...
FN3C
* FN5Q

OP9.....
* FM3D
FN2D

1TRAK...
* CJ5A
HR2D

12V-1...
CMOB
DI6A
* DM3C
DM3D
DM3E
FJ4H
FK3T
FK6C
HK5I
HR2S

12V-18..
DL9B
DL9C
DMOB
DMOC
DM1B
DM1C
* DM2B
DM2C
FI5Q
FL4J
FL7B
FM4C
FM7X
FNOH
FN3D
FN5X
FP1E
FP4B
FP4Y
FP7B
FP7Y
FQOY
FQ3Y
HI8Q
HK6H
HK8R
HL1B
HL1Y
HL4B
HL4Y
HL7B
HL7Y
HMOB
HMOY
HM3B
HM3Y
HM6B
HM6Y
HM9B
HM9Y
HN2B
HN2Y
HN5B
HN5Y
HN8B
HN8Y
HP1B
HP1Y
HP4B
HP4Y
HP7B
HP7Y
HQOB
HQOY
HQ3B
HQ3Y
HQ6B
HQ6Y

12V+10..
CJ3E
CJ4E
CLOE
DI6B
DL9A
DMOA
DM1A
* DM2A
FJ4U
FKOF
HK5J

12V+25..
* CN6A
HK5C
HK8E

2TRAK...
* CJ5B
HR2E

24CTSWA.
* CN6E
HK5G
HK5K
HK8C

.24V+5...
DK2A
DK2B
DK2C
DK2D
DK2E
DK3C
DK3D
* DM3A
DM3B
DM4A
DM5A
FI4Q
FJ3M
FL1K
FN8X
FP2E
HI8S
HK5L
HK9D
HR2L

3TRAK...
* CJ5C
HR2F

4TRAK...
* CJ5D
HR2C

5.25+14.
CMOA
DM4B
DM4C
DM4D
DM4E
DM5B
* DM5C
DM5D
FI8A
FI8K
FI8Z
FJ1A
FJ1K
FJ1Z
FJ4A
FJ4Z
FJ7A
FJ7Z
FKOZ
FK3A
FK3Z
FK6A
FK6Z
FL2A
FN9A
FN9Z
FP1F
HJ1A
HJ1Z
HJ4A
HJ4Z
HJ7A
HJ7Z
HKOA
HKOZ
HR3A
HR3Z

5.25+22.
DL9D
DL9E
* DMOD
DMOE
DM1D
DM1E
* DM2D
DM2E
HM1A
HM1Z
HM4A
HM4Z
HM7A
HM7Z
HNOA
HNOZ
HN3A
HN3Z
HN6A
HN6Z
HN9A
HN9Z
HP2A
HP2Z
HP5A
HP5Z
HP8A
HP8Z

5.25+23.
DL6A
DL6B
DL6C
DL6D
DL6E
DL7A
DL7B
DL7C
DL7D
DL7E
* DL8A
DL8B
DL8C
DL8D
DL8E
FI5Z
FJ6V
FK9U
FL2Z
FL5A
FL5Z
FL8A
FL8Z
FM1A
FM4A
FM7A
FM7Z
FNOA
FNOZ
FN3A
FN3Z
FN6A
FN6Z
FP2A
FP2Z
FP5A
FP5Z
FP8A
FP8Z
FQ1A
FQ1Z
FQ4A
FQ4J
FQ4K
FQ4Z
FQ7A
FQ7Z
HI5A
HI5Z
HI8A
HI8Z
HJ7U
HJ9N
HK3A
HK3Z
HK6A
HK6Z
HK9A
HK9Z
HL2A
HL2Z
HL5A
HL5Z
HL8A
HL8Z
HQ1A
HQ1Z
HQ4A
HQ4Z
HQ7A
HQ7Z

5+CONT..
HK5P
* HK8V

5TRAK...
* CJ5E
HR2W

5VPINSD.
* DM5E
FKOA

6TRAK...
* CJ4A
HR2V

6V+CONT.
* CN6B
HK8X

7TRAK...
* CJ4B
HR2X

8.5V+21.
* CN7A
HK6E

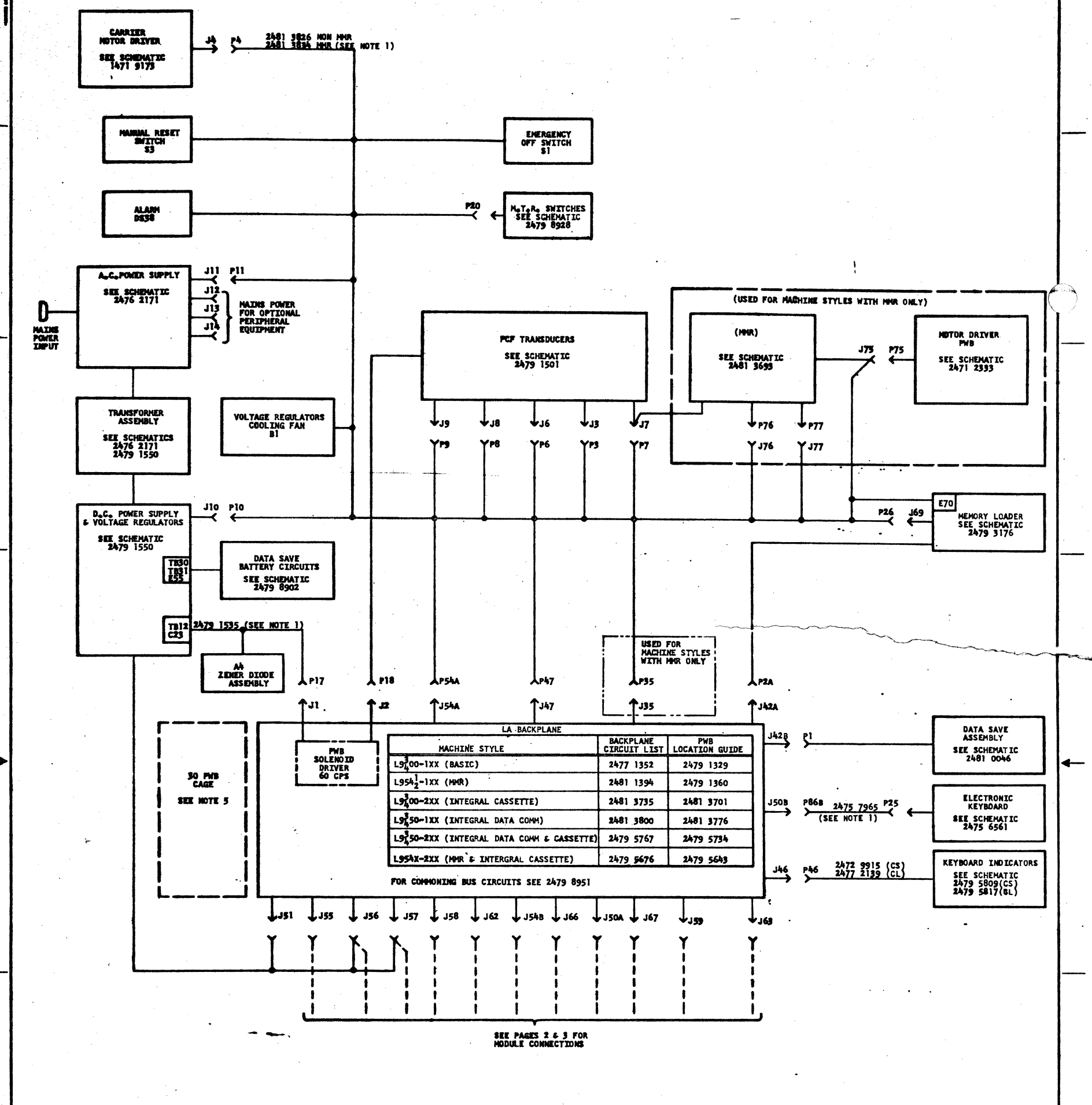
8TRAK...
* CJ4C
HR2Y

DWG. NO. 2479 1352
PAGE 4 OF 4

Burroughs Corporation
SYSTEMS M & E GROUP
PLYMOUTH, MICHIGAN 48170
PLYMOUTH PLANT
U. S. AMERICA

TITLE BACKPLANE CIRCUIT LIST
SYSTEM L93XX, L94XX
DWG. NO. 2479 1352
DRAWN EISENMANN
CHECKED
APPROVED
RELEASED 10-15-74
REV LETTER AA
PAGE 4 OF 4

INPUT — SCHEMATIC ↓ — OUTPUT



MACHINE STYLE	BACKPLANE CIRCUIT LIST	PWB LOCATION GUIDE
L9500-1XX (BASIC)	2477 1352	2479 1329
L9541-1XX (MMR)	2481 1394	2479 1360
L9500-2XX (INTEGRAL CASSETTE)	2481 3735	2481 3701
L9550-1XX (INTEGRAL DATA COMM)	2481 3800	2481 3776
L9550-2XX (INTEGRAL DATA COMM & CASSETTE)	2479 5767	2479 5734
L954X-2XX (MMR & INTERGRAL CASSETTE)	2479 5676	2479 5643

FOR COMMONING BUS CIRCUITS SEE 2479 8951

PAGE	DESCRIPTION	E.R. DATE	REV
1	BLOCK DIAGRAM, INDEX & NOTES	8-26-75	C
2	BLOCK DIAGRAM, OPTL MODULES & PWR CABLE		
3	BLOCK DIAGRAM, OPTL MODULES & PWR CABLE		

ABBREVIATIONS:

ABBREVIATIONS USED IN THIS DOCUMENT INDICATE THE FOLLOWING:

(CS) - SHORT CONSOLE USED ONLY FOR MACHINE STYLES WITH 15 INCH PRINTER CARRIAGE

(GL) - LONG CONSOLE USED ONLY FOR MACHINE STYLES WITH 26 INCH PRINTER CARRIAGE

(MMR) - MAGNETIC MEMORY RECORD

NOTES:

1. FOR BASIC WIRING SEE SCHEMATIC 2481 3695
2. DASHED LINES INDICATE OPTIONS
3. IF EXTENDED MEMORY OPTION AND/OR DATACOM OPTION ARE INSTALLED REPLACE CABLE 2472 9253 FROM THE NEXT ADJACENT OPTIONAL CONTROL MODULE TO LA BACKPLANE WITH 2473 5128 CABLE.
4. OPTIONS: ALL OTHER OPTIONAL CONTROL MODULES (OTHER THAN THE ONES MENTIONED IN NOTE 3 & DATACOM 2ND CHAN) SHOWN ON PAGES 2 AND 3 CAN BE IN ANY ORDER, BUT THE FIRST OPTION WILL BE CABLED TO THE LA BACKPLANE WITH CABLE 2472 9253 OR 2473 5128. THE REMAINING OPTIONS WILL BE CONCATENATED TOGETHER IN ANY ORDER WITH CABLES 2472 9253.
5. ON MACHINES WITH LONG CONSOLES (26" PRINTER) ADDITIONAL 30 CARD CASE IS AVAILABLE IF REQUIRED.

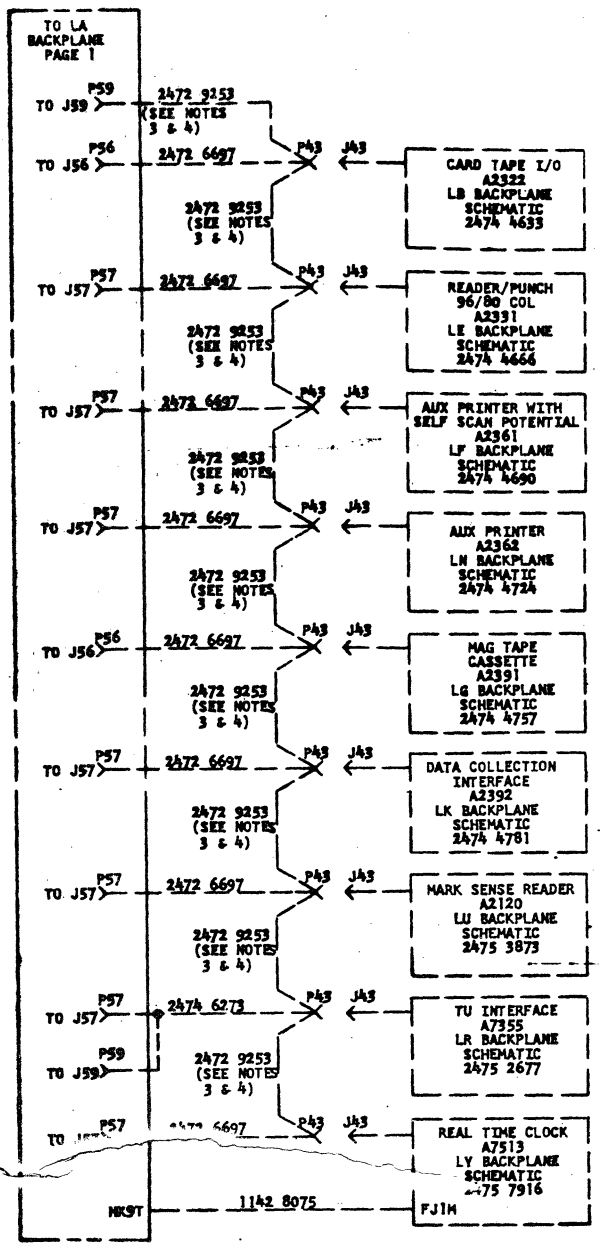
DRWG NO. 2481 3677 PAGE 1 of 3

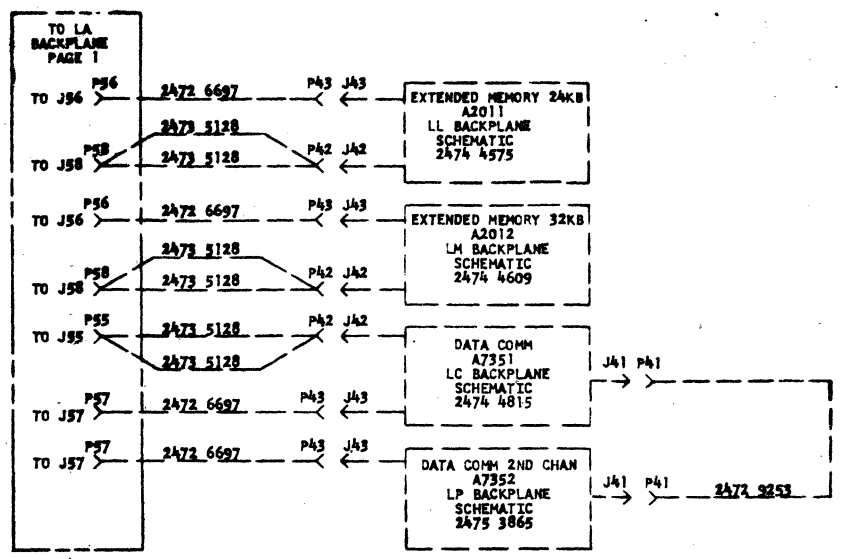
Burroughs Corporation
SMALL SYSTEMS GROUP PLYMOUTH PLANT
PLYMOUTH, MICHIGAN 48170 U S AMERICA

TITLE	WIRING SCHEMATIC, SYSTEM, (BLOCK DIAGRAM, INDEX & NOTES)
SYSTEM	L9000 60CPS CONSOLES
DWG NO.	2481 3677
DRAWN	R. BELVILLE 6-4-75
CHECKED	6-27-75
APPROVED	6-7-75
RELEASED	9-16-75
REV LETTER	C
PAGE	1

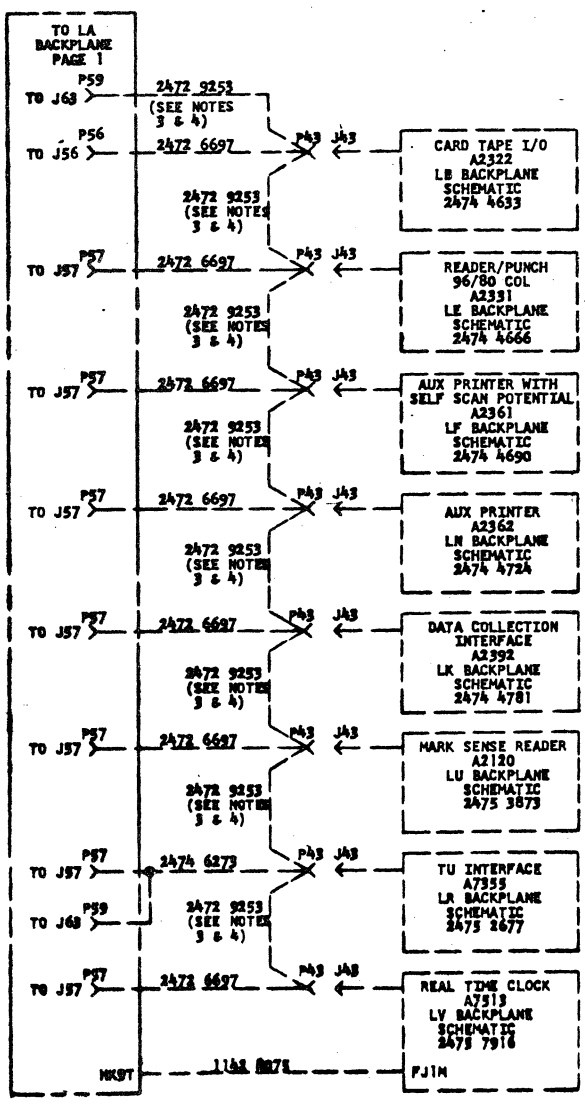
INPUT — SCHEMATIC — OUTPUT

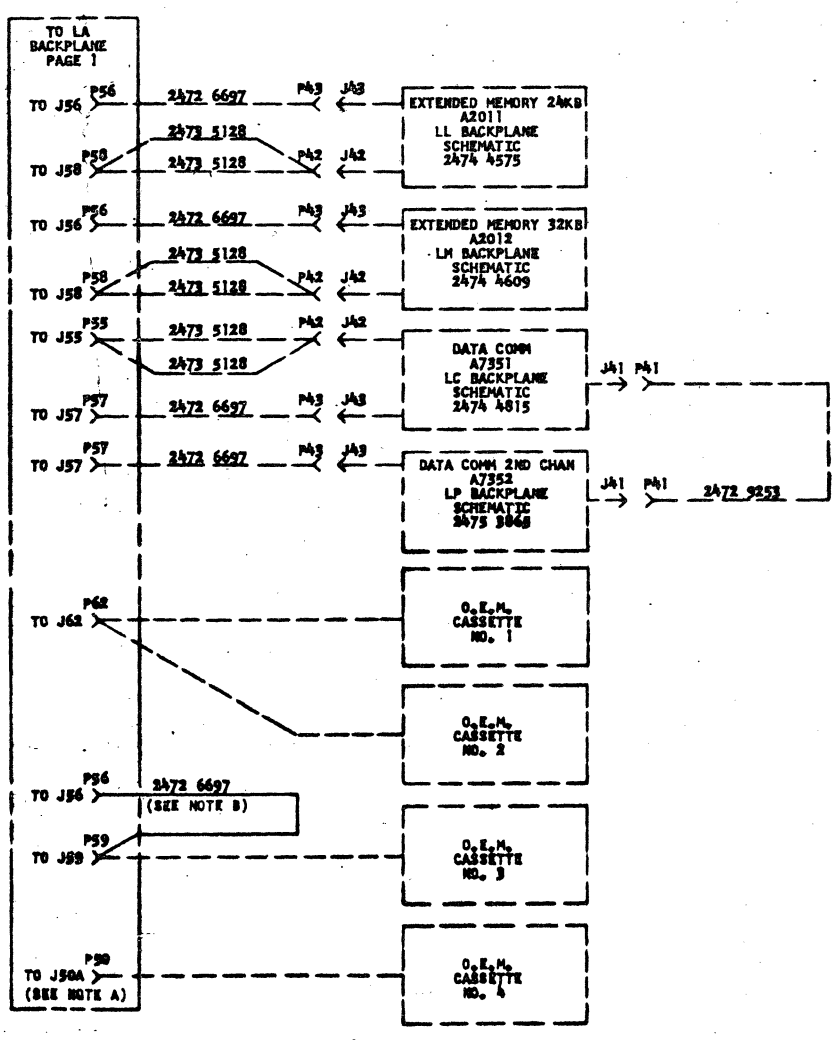
NON INTEGRAL BACKPLANES



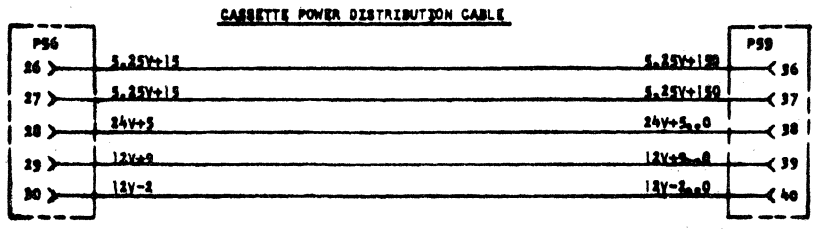


INTEGRAL CASSETTE BACKPLANES





CASSETTE POWER DISTRIBUTION CABLE



NOTE:
A. FOR (NON MMR & INTEGRAL CASSETTE) MACHINE STYLES, CASSETTE NO. 4 PLUGS INTO J50A AS SHOWN
FOR (MMR & INTEGRAL CASSETTE) MACHINE STYLES, CASSETTE NO. 4 PLUGS INTO J54B
B. CASSETTE POWER DISTRIBUTION CABLE

DWG. NO. 2481 3677
PAGE 2 of 3

Burroughs Corporation
SMALL SYSTEMS GROUP PLYMOUTH PLANT
PLYMOUTH, MICHIGAN 48170 U.S.A.

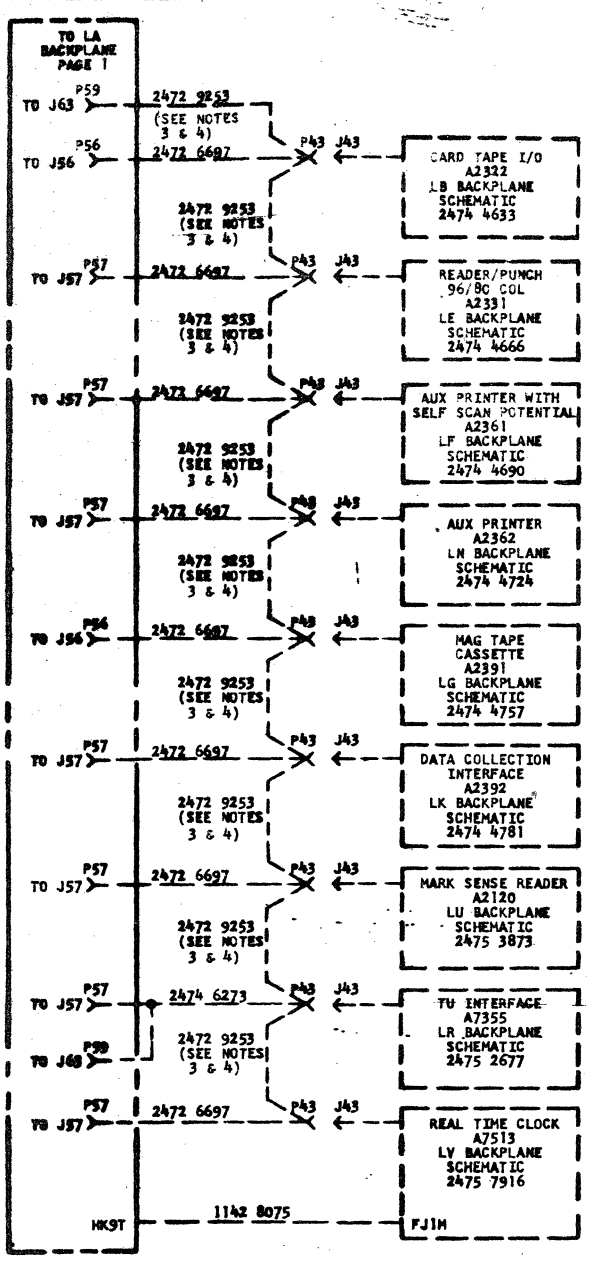
TITLE: WIRING SCHEMATIC, SYSTEM, (BLOCK DIAGRAM, CPTL MODULES & PWR CABLE)			
SYSTEM: L9000 60 CPS CONSOLES			DWG. NO. 2481 3677
DRAWN: R. ALLEN 5-20-75	CHECKED: J.M.A. 5-27-75		
APPROVED	RELEASED: 6-16-75	REV LETTER	PAGE 2

INPUT

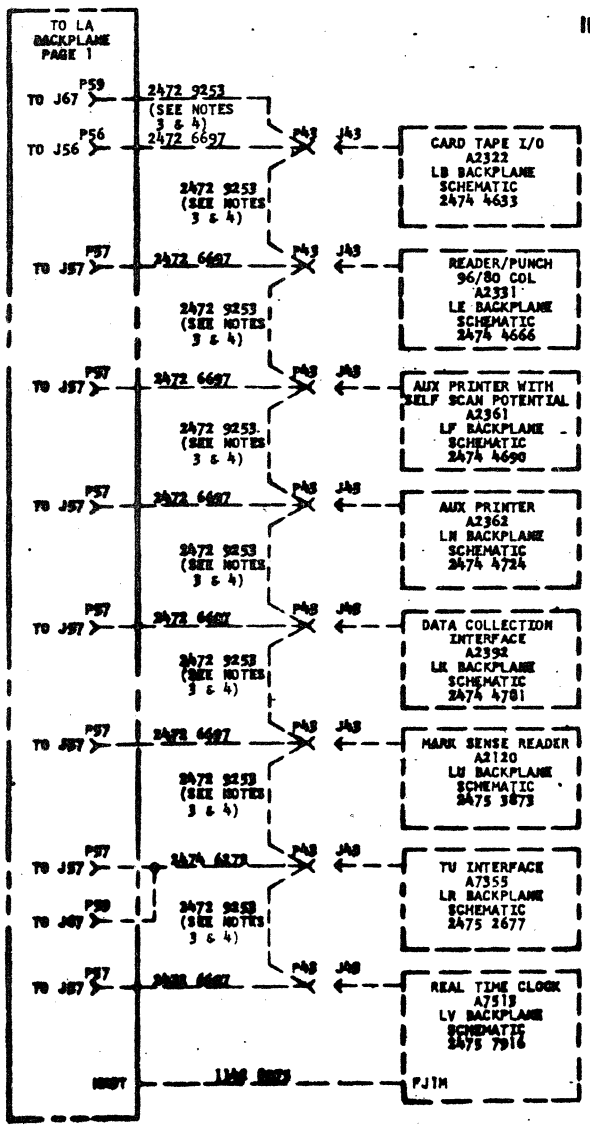
SCHEMATIC

OUTPUT

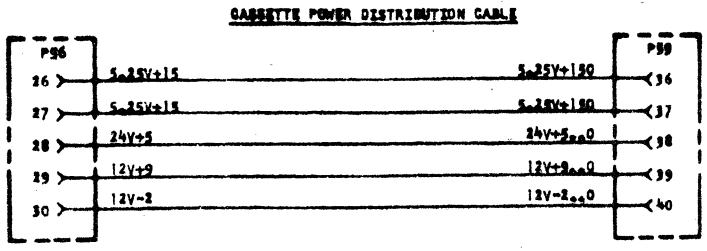
INTEGRAL DATA COMM BACKPLANES



INTEGRAL DATA COMM AND CASSETTE BACKPLANES



CASSETTE POWER DISTRIBUTION CABLE



NOTE:

a. DATA COMM POWER DISTRIBUTION CABLE SEE SCHEMATIC 2481 3842

b. CASSETTE POWER DISTRIBUTION CABLE

DWG NO 2481 3677 PAGE 3 of 3

Burroughs Corporation
SMALL SYSTEMS GROUP — PLYMOUTH, MICHIGAN 48170 — PLANT — U.S.A.

TITLE WIRING SCHEMATIC, SYSTEM, (BLOCK DIAGRAM, OPTL MODULES & PWR CABLE)

SYSTEM 9000 60CPS CONSOLES — DWG NO 2481 3677

DRAWN R. BELVILLE 6-23-75 — CHECKED — & 6-23-75

APPROVED — RELEASED 6-16-76 — REV LETTER — PAGE

INPUT — SCHEMATIC ↓ — OUTPUT

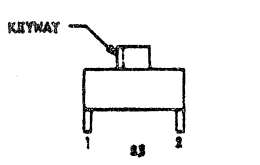
P47

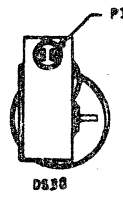
1	GRD (PROLEDK)				(PROLEDK)	GRD	P3 J
2	PROLEDA					PROLEDA	L
3	PPROE	P	WHT/GRN/BLK/GRN	P		PPROE	T
8	PPROC		WHT/GRN/BLK/ORN			PPROC	V
13	PPROG	E1					
4	CAPROE	P	WHT/GRN/BLK/GRN	P		CAPROE	N
9	CAPROC		WHT/GRN/BLK/ORN			CAPROC	R
14	CAPROG	E2					
26	RB1A					RB1A	W
27	RB1B					RB1B	Y
28	RB2A					RB2A	a
29	RB2B					RB2B	c
41	24V+5 (INTER)				(INTER)	24V+	X
42	24V+5 (HOLD)				(HOLD)	24V+	D
46	INTPSOL					INTPSOL	Z
47	HOLDSOL					HOLDSOL	F
16	CRDLA					CRDLA	P4 H
17	CRFBG	P	BRN	P		CRFBG	C
18	CRFBL1		WHT			CRFBL1	J
19	CRFBL2					CRFBL2	D
20	CRDRA					CRDRA	A
21	CRDLB/					CRDLB/	d
22	CRDLC/					CRDLC/	Z
23	C24VF+					C24VF+	b
24	CRDRC/					CRDRC/	Y
25	CRDRB/					CRDRB/	c
6	OPDSWO					OPDSWO	P6 a
11	OPDSWI					OPDSWI	b
31	ADVLSOL					ADVLSOL	A
32	OPNSOL					OPNSOL	D
33	CLOSOL					CLOSOL	H
38	24V+5 (FORMS)				(FORMS)	24V+	U
					(ADVLSOL)	24V+	C
						24V+	
					(OPNSOL)	24V+	F
						24V+	
					(CLOSOL)	24V+	K
						24V+	P
44	24V+5 (ADVR)				(ADVR)	24V+	P7 B
49	ADVRSOL					ADVRSOL	A
5	GRD (FTUE)	P	WHT/BRN/BLK/GRN	P		FTUE	P8 R
10	FTUG		WHT/GRN/BLK/ORN			FTUG	T
15	GRD (FTUG)	E3					
7	FTULAMP					FTULAMP	V
12	GRD (FTULMPG)					FTULMPG	X
30	HDENG					HDENG	L
35	HDENGSW					HDENGSW	N
43	24V+5 (RTRCT)				(RTRCT)	24V+	c
48	RTRCTSOL					RTRCTSOL	Y
						MOTDR	P9 D
	(MOTDR)				(MOTDR)	24V+	A
45	24V+5 (ALARM)						
50	ALARMSOL						

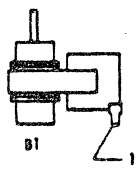
DS38 ALARM (1, 2)

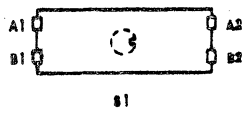
NOTES:

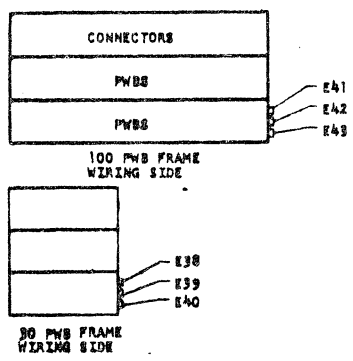
1. = FRAME
   = D.C. POWER SUPPLY CHASSIS
   = MAIN BACKPLANE FRAME
   = 90 PWB BACKPLANE FRAME
   = MEMORY LOADER CHASSIS
2. SEE APPLICABLE SYSTEM SCHEMATIC FOR HARNESS PART NUMBERS
3. DASHED LINES INDICATE OPTIONS
4. NAMES IN PARENTHESIS ARE FOR INFORMATION ONLY
5. FOR VISUAL AIDS SEE 2479 0362
6. JUMPER WIRES IDENTIFIED BY "W" NUMBERS INDICATE PART NUMBERS AS FOLLOWS:
   W6, W7, & W8 - 2476 2320
   W17 - 2472 9865
   W18 - 1472 0259
   W19 - 2472 9899











PAGE	E.R. DATE	REV
1	8-18-75	A
2	8-18-75	A

DWG. NO. 2481 3685 PAGE 1 OF 2

TITLE	WIRING SCHEMATIC, BASIC MACHINE		
SYSTEM	9000 60 CPS CONSOLES		DWG NO 2481 3685
DRAWN S. TAKEFIELD 5-20-75	CHECKED 6-19-75		
APPROVED 6-27-75	RELEASED 6-16-75	REV LETTER A	PAGE 1 OF 2

INPUT

SCHEMATIC

OUTPUT

P86B

26	5.25V+14		+5V	P25 3
27	12V-1		-12V	1
30	IBD1/C		DATA 1	11
31	IBD2/C		DATA 2	14
32	IBD3/C		DATA 3	8
33	IBD4/C		DATA 4	9
34	IBD5/C		DATA 5	12
36	IBD6/C		DATA 6	13
37	IBD7/C		DATA 7	15
38	IBD8/C		DATA 8	10
39	STROBE/		INHIBITED STROBE	6
41	GRD		GRD	2
42	INHKB		KEYBOARD INHIBIT	17
43	NORM		DOUBLE HEX	18

P54A

2	EXMEM/		EXMEM/	P20 1
1	TTIR/		TTIR/	2
4	MAINT/		MAINT/	3
6	REPEAT/		REPEAT/	9
7	DIRECT/		DIRECT/	10
8	EXECUTE/		EXECUTE/	7
9	LOAD/		LOAD/	8
11	NUMER/		NUMER/	6
12	GRD (MTRSWG)	(MTRSWG)	GRD	11
10	TERR		TERR	4
5	MANRST/	1 S3 MANUAL RESET		
3	GRD (MANRSTG)	2		
15	UV1-1		UV1	P10 W
16	8.5V+21 (VSENS)	(VSENS)	8.5V+21	J
17	COUNT		COUNT	K
18	BTPWR/		BTPWR/	P
21	12V+25 (VSENS)	(VSENS)	12V+25	F
22	6V+CONT		6V+CONT	D
23	BAT/		BAT/	U
25	24CTSWA (VSENS)	(VSENS)	24V+CONT	B
13	K1CONT		BTEMG	T
14	K2CONT		24V+CONT	L

S1 EMERGENCY OFF: A1, A2, B1, B2

			24CTSWB	d
			BTPWREM	M

P11

F	K2CONT			
D	K1 CONT			
J	24CTSWA (K1)	(K1)	24CTSWB	Z
L	24CTSWA (K2)	(K2)	24CTSWB	V

W	NMEMLDR		NMEMLDR	P26 3
JJ	LMEMLDR		LMEMLDR	1
KK	GMEMLDR	GRN/YEL	GMEMLDR E70 6	
U	NBMAIN	(NEUT)	NBMAIN	P9 F
BB	LBMAIN	(LINE)	LBMAIN	N
			GBPGF	H
			GPGFGH	L

E23 GRN/YEL; E24 GRN/YEL

AA	MBFANRR	W12 GRN/YEL E13; 1 E5 B1 2	VOLTAGE REG COOLING FAN	
MM	LBFANRR			

P4

W	CRMDR1/	WHT	CRMDR1/	P5 M
X	CRMDL1/	BRN	CRMDL1/	P
E	24V+	WHT	24V+6	P10 B
F	GRD	BRN	GRDCMD	A

P17

3	GPINSD			
4	GPINSD			
5	GPINSD			
2	FBPINSD			
1	FBPINSD			
6	24V+			
7	24V+			
8	24V+			

AA ZENER DIODE ASSEMBLY: TB1B X 0 Y; 1; TB1B X Y; 2-1; 2A71 8223 CR23 30V; TB1B X 3 Y; 4; 4-1

GPINSD; 24V+7

C23 2 - + 2 31,000uF +100% -10% 15V

PART OF DC POWER SUPPLY SEE SCHEMATIC 2479 1550

TB12 X 13 14 15 Y F7 5A

E56 W19 E40; E57 WHT W6 E43; E58 WHT W7 E42; E59 WHT W8 E41; E60 GRN/YEL W18 E12

PAGE	2 OF 2	DWG. NO.	2481 3685

Burroughs Corporation

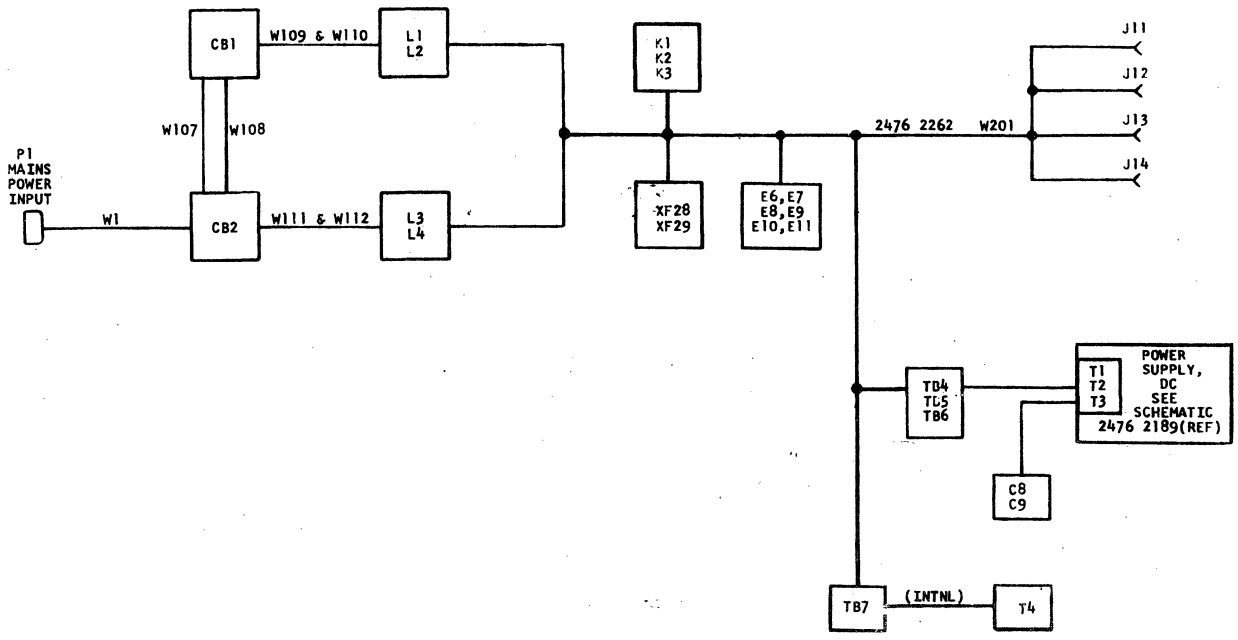
SMALL SYSTEMS GROUP, PLYMOUTH, MICHIGAN 48170 — PLYMOUTH PLANT, U.S. AMERICA

TITLE	WIRING SCHEMATIC, BASIC MACHINE		
SYSTEM	L9000 60 CPS CONSOLES		DWG NO 2481 3685
DRAWN	S. MAXFIELD 5-20-75	CHECKED RB 6 15 75 JH 6 16 75	
APPROVED		RELEASED 6-16-75	REV LETTER A — PAGE 2 OF 2

INPUT

SCHEMATIC

OUTPUT



PAGE	DESCRIPTION	E.R. DATE	REV
1	BLOCK DIAGRAM, PAGE INDEX AND NOTES	11-1-74	A
2	AC INPUT, DOMESTIC AND INTERNATIONAL		
3	AC DISTRIBUTION, DOMESTIC AND INTERNATIONAL		
4	TRANSFORMER PRIMARIES, DOMESTIC ONLY		
5	TRANSFORMER PRIMARIES, INTERNATIONAL ONLY	11-1-74	A
6	COMPONENT INDEXES, VISUAL AIDS		

ABBREVIATIONS:

ABBREVIATIONS USED IN THIS DOCUMENT INDICATE THE FOLLOWING:

(DOM) - FOR DOMESTIC MACHINE USE ONLY
(INTNL) - FOR INTERNATIONAL MACHINE USE ONLY

NOTES:

1. ⏚ INDICATES POWER SUPPLY CHASSIS
2. CIRCLED ◯ NUMBERS INDICATE TAGGED WIRES AND ALSO DEFINE INTERRUPTED PATHS FOR THIS DOCUMENT ONLY
3. FOR VISUAL AIDS SEE 2475 4301 AND 2472 4742
4. CHARACTERS NOT IN PARENTHESIS ARE SYSTEM SIGNAL NAMES. CHARACTERS IN PARENTHESIS ARE INTERRUPTED PATHS, ABBREVIATIONS, OR OTHER INFORMATION.
5. JUMPER WIRES IDENTIFIED BY "W" NUMBERS INDICATE PART NUMBERS AS FOLLOWS:

W107:	1485 3089	W109,W111:	1474 3330
W108:	1485 2214	W110,W112:	1485 2206

UNLESS OTHERWISE SPECIFIED:
RESISTORS ARE 100 OHMS, ±5%, 1/2W
CAPACITORS ARE 0.1UF ±20%, 600V

DWG. NO. 2476 2171
PAGE 1

1 OF 6

TITLE: WIRING SCHEMATIC, POWER SUPPLY, AC (BLOCK DIAGRAM, PAGE INDEX AND NOTES)
SYSTEM: L8600, L3700, L8300 & L8900
DWG. NO. 2476 2171
DRAWN: EISENMANN 11-7-73
CHECKED: J. Mill 11 27 73
APPROVED: [illegible] 11-27-73
RELEASED: 5-21-73
REV LETTER: A
PAGE: 1

INPUT | SCHEMATIC ▼ | OUTPUT

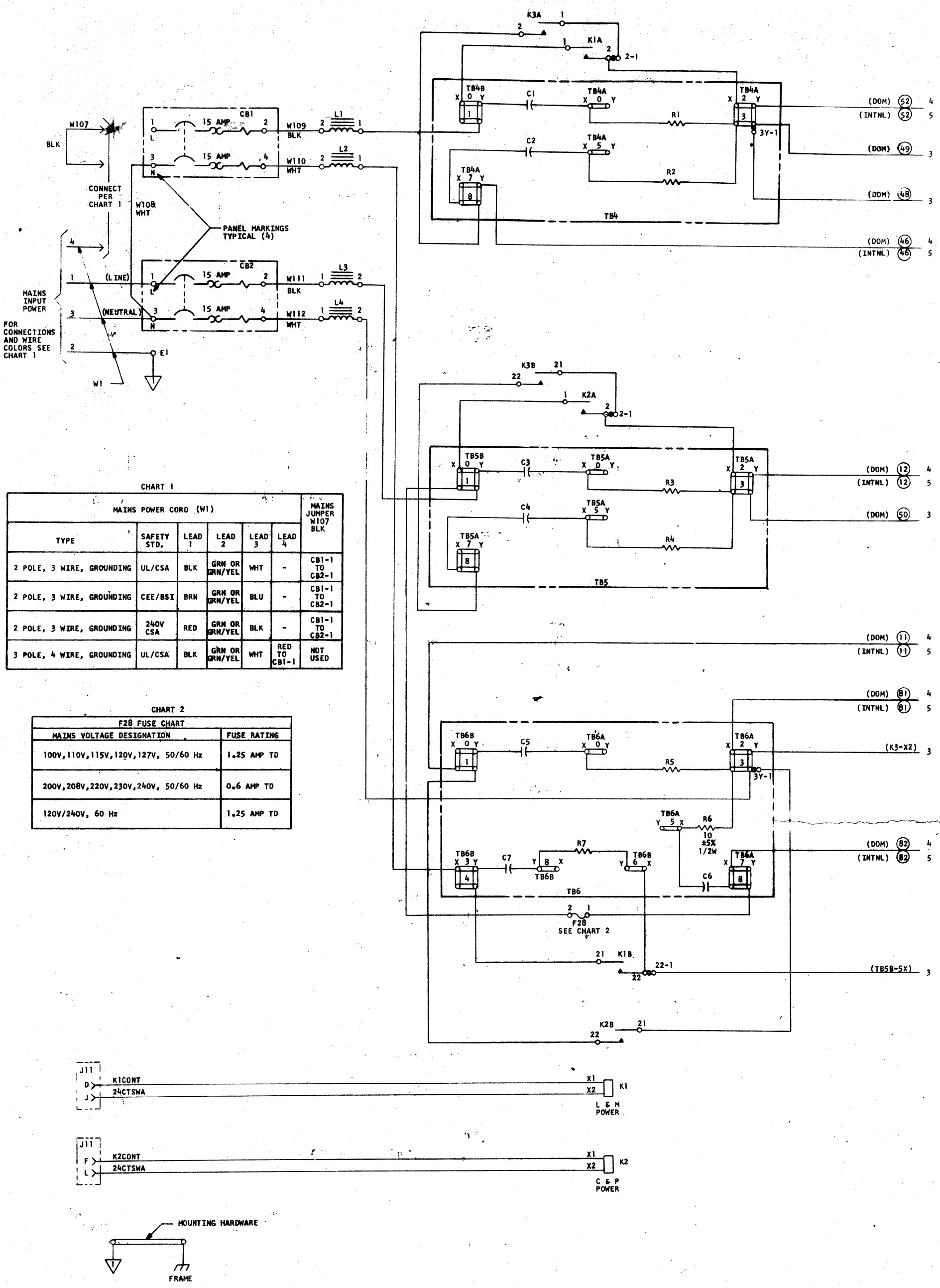


CHART 1

MAINS POWER CORD (W1)						MAINS JUMPER W107 BLK
TYPE	SAFETY STD.	LEAD 1	LEAD 2	LEAD 3	LEAD 4	
2 POLE, 3 WIRE, GROUNDING	UL/CSA	BLK	GRN OR GRN/YEL	WHT	-	CB1-1 TO CB2-1
2 POLE, 3 WIRE, GROUNDING	CEE/BSI	BRN	GRN OR GRN/YEL	BLU	-	CB1-1 TO CB2-1
2 POLE, 3 WIRE, GROUNDING	240V CSA	RED	GRN OR GRN/YEL	BLK	-	CB1-1 TO CB2-1
3 POLE, 4 WIRE, GROUNDING	UL/CSA	BLK	GRN OR GRN/YEL	WHT	RED TO CB1-1	NOT USED

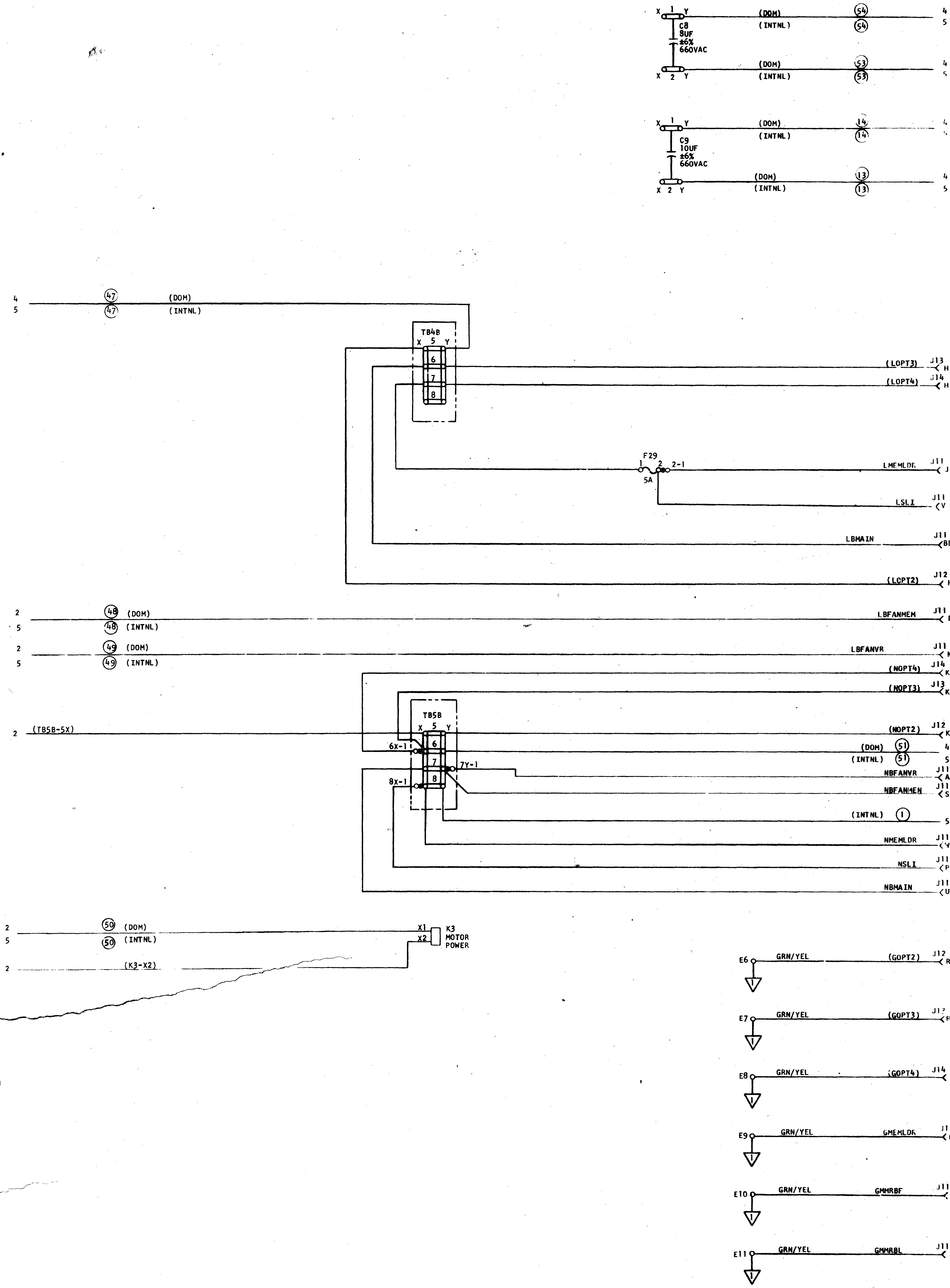
CHART 2

F28 FUSE CHART	
MAINS VOLTAGE DESIGNATION	FUSE RATING
100V,110V,115V,120V,127V, 50/60 Hz	1.25 AMP TD
200V,208V,220V,230V,240V, 50/60 Hz	0.6 AMP TD
120V/240V, 60 Hz	1.25 AMP TD

Burroughs Corporation
SYSTEMS M & E GROUP PLYMOUTH PLANT
PLYMOUTH, MICHIGAN 48170 U. S. AMERICA

TITLE WIRING SCHEMATIC,POWER SUPPLY,AC(AC INPUT,DOMESTIC & INTERNATIONAL)
SYSTEM L8600, L8700, L8800 & L8900
DRAWN EISENMANN 11-7-73
CHECKED J. Hill 11-27-73
APPROVED
RELEASED 5-21-73
REV LETTER
PAGE 2
DWG. NO. 2476 2171

DWG. NO. 2476 2171
PAGE 2



X 1 Y
C8
8UF
±6%
660VAC
X 2 Y
(DOM)
(INTNL)
54
53
4
5
X 1 Y
C9
10UF
±6%
660VAC
X 2 Y
14
13
47
TB4B
X 5 Y
6
7
8
(LOPT3) J13 H
(LOPT4) J14 H
F29
1 2 2-1
5A
LMEMLDR J11 JJ
LSLI J11 V
LBMAIN J11 BB
(LOPT2) J12 H
48
LBFANMEM J11 DD
49
LBFANVR J11 NN
(NOPT4) J14 K
(NOPT3) J13 K
TB5B
(TB5B-5X)
6X-1
7Y-1
8X-1
(NOPT2) J12 K
51
NBFANVR J11 AA
NBFANMEN J11 S
(INTNL) 1
NMEMLDR J11 V
NSLI J11 P
NBMAIN J11 U
50
X1
X2
K3
MOTOR
POWER
(K3-X2)
E6 GRN/YEL (GOPT2) J12 R
E7 GRN/YEL (GOPT3) J12 R
E8 GRN/YEL (GOPT4) J14 R
E9 GRN/YEL GMEMLDR J11 KK
E10 GRN/YEL GMMRBF J11 HH
E11 GRN/YEL GMMRBL J11 MM

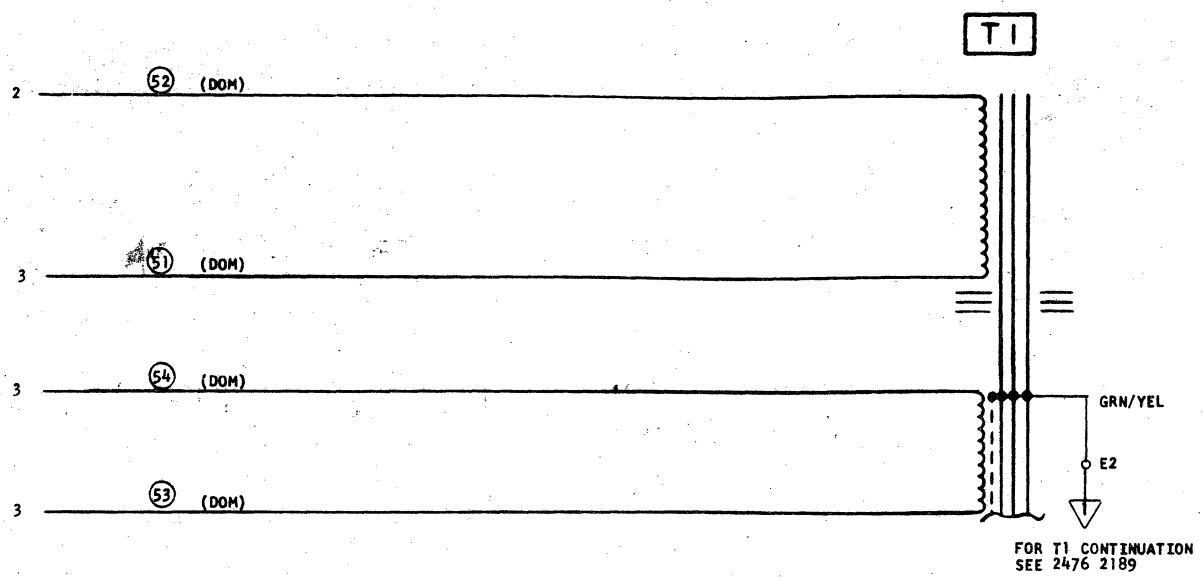
DWG. NO. 2476 2171 PAGE 3

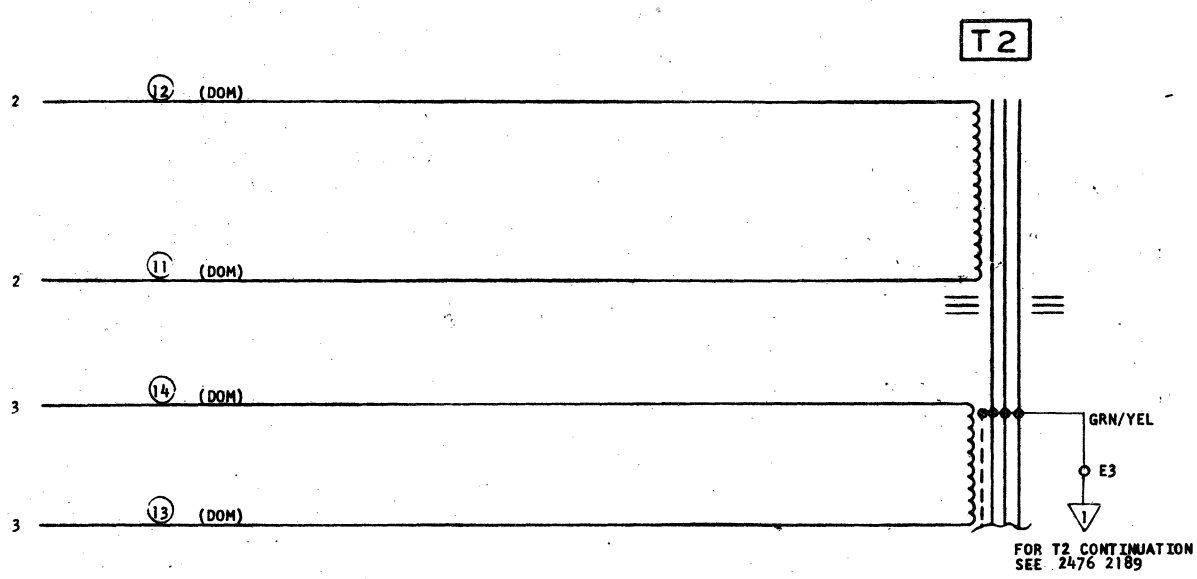
Burroughs Corporation

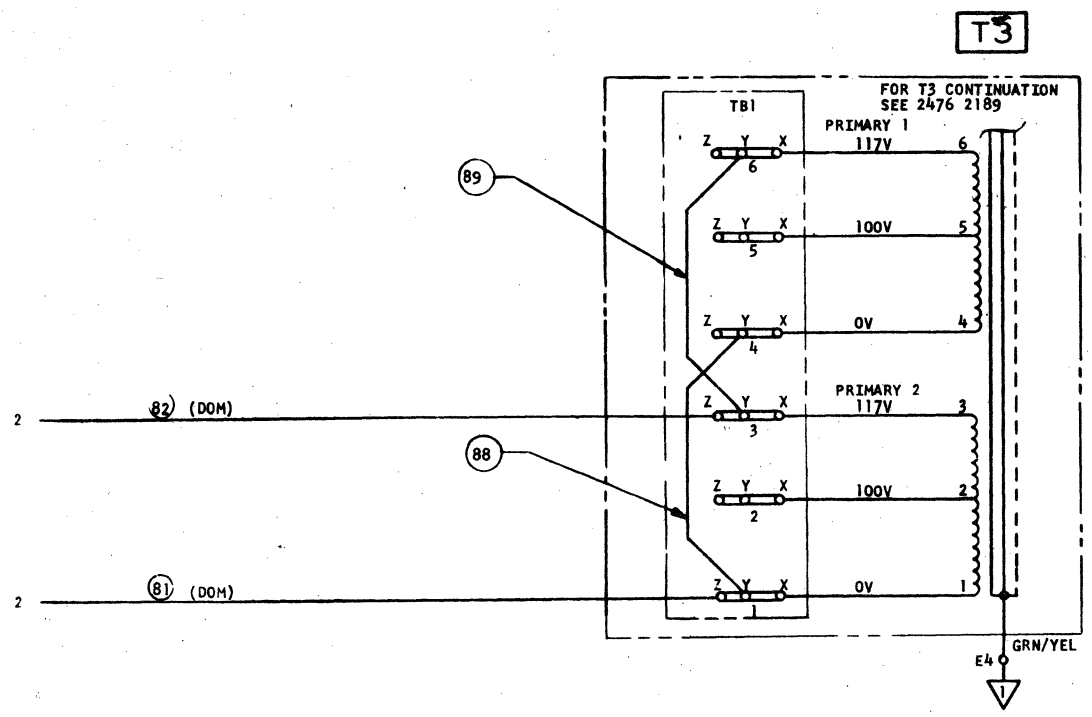
SYSTEMS M & E GROUP
PLYMOUTH, MICHIGAN 48170

PLYMOUTH PLANT
U. S. AMERICA

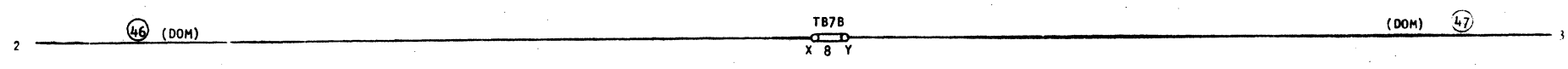
TITLE WIRING SCHEMATIC, POWER SUPPLY, AC(AC DISTRIBUTION, DOMESTIC & INTERNATIONAL			
SYSTEM L8500, L8700, L8800 & L8900		DWG. NO. 2476 2171	
DRAWN KOSTREWA 9-10-73	CHECKED J. Hill 11-27-73		
APPROVED	RELEASED 5-21-73	REV LETTER	PAGE 3







NOTE:
DOMESTIC POWER SUPPLY CONNECTIONS SHOWN ARE VALID FOR THE FOLLOWING MAINS POWER INPUT VOLTAGE DESIGNATIONS: 120V, 120/240V, & 120/208V.
240V OPERATION USES INTERNATIONAL POWER SUPPLY, PAGE 5



DWG. NO. 2476 2171
PAGE 4

Burroughs Corporation
SYSTEMS M & E GROUP PLYMOUTH PLANT
PLYMOUTH, MICHIGAN 48170 U. S. AMERICA

TITLE: WIRING SCHEMATIC, POWER SUPPLY, AC (TRANSFORMER PRIMARIES, DOMESTIC ONLY)			
SYSTEM: L8600, L8700, L8800 & L8900			DWG. NO. 2476 2171
DRAWN: KOSTRENA 9-10-73	CHECKED: J. Hill 11-27-73		
APPROVED	RELEASED: 5-21-73	REV LETTER	PAGE 4

INPUT | SCHEMATIC ↓ | OUTPUT

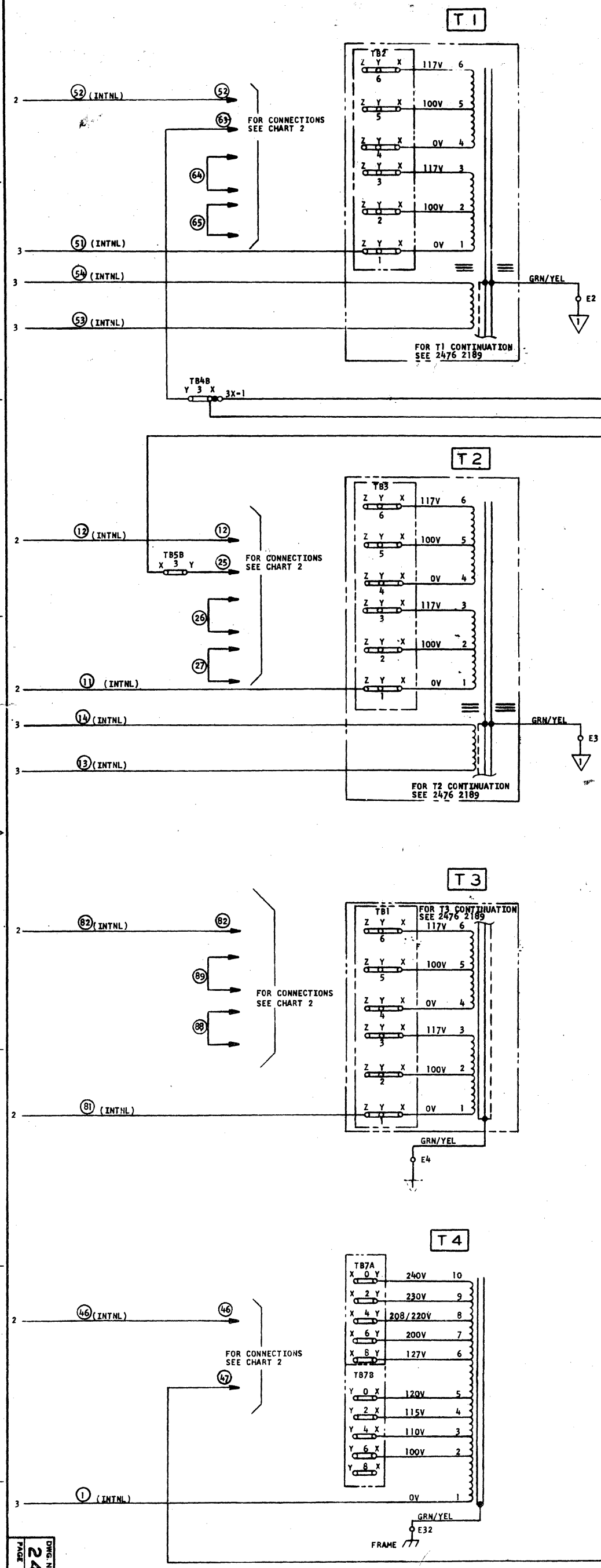


CHART 2

INTERNATIONAL POWER SUPPLY CONNECTIONS FOR VARIOUS POWER INPUT MAINS VOLTAGES

MAINS POWER INPUT VOLTAGE DESIGNATION	T1 CONNECTIONS FOR TB2 LEAD NO.					T2 CONNECTIONS FOR TB3 LEAD NO.					T3 CONNECTIONS FOR TB1 LEAD NO.			T4 CONNECTIONS FOR TB7 LEAD NO.	
	52	63	64	65		12	25	26	27		82	88	89	46	47
100V	2Z	6Z	1Y 4Y	2Y 5Y		2Z	6Z	1Y 4Y	2Y 5Y		2Z	1Y 4Y	2Y 5Y	B6Y	BOY
110V	2Z	6Z	1Y 4Y	2Y 5Y		2Z	6Z	1Y 4Y	2Y 5Y		2Z	1Y 4Y	2Y 5Y	B4Y	BOY
115V	3Z	6Z	1Y 4Y	3Y 6Y		3Z	6Z	1Y 4Y	3Y 6Y		3Z	1Y 4Y	3Y 6Y	B2Y	BOY
120V	3Z	6Z	1Y 4Y	3Y 6Y		3Z	6Z	1Y 4Y	3Y 6Y		3Z	1Y 4Y	3Y 6Y	B8X	B8Y
127V	3Z	6Z	1Y 4Y	3Y 6Y		3Z	6Z	1Y 4Y	3Y 6Y		3Z	1Y 4Y	3Y 6Y	A8X	BOY
200V	5Z	3Z	2Y 4Y	6Y 6Z		5Z	3Z	2Y 4Y	6Y 6Z		5Z	2Y 4Y	3Y 3Z	A6X	BOY
208V	5Z	3Z	2Y 4Y	6Y 6Z		5Z	3Z	2Y 4Y	6Y 6Z		5Z	2Y 4Y	3Y 3Z	A4X	BOY
220V	5Z	3Z	2Y 4Y	6Y 6Z		5Z	3Z	2Y 4Y	6Y 6Z		5Z	2Y 4Y	3Y 3Z	A4X	BOY
230V	6Z	3Z	3Y 4Y	2Y 2Z		6Z	3Z	3Y 4Y	2Y 2Z		6Z	3Y 4Y	2Y 2Z	A2X	BOY
240V	6Z	3Z	3Y 4Y	2Y 2Z		6Z	3Z	3Y 4Y	2Y 2Z		6Z	3Y 4Y	2Y 2Z	AOX	BOY

PAGE 5 | DWG. NO. 2476 2171

TITLE WIRING SCHEMATIC, POWER SUPPLY, AC (TRANSFORMER PRIMARIES, INTERNATIONAL ONLY)

SYSTEM	DWG. NO.
L8600, L6700, L8800 & L8900	2476 2171

DRAWN	CHECKED		
KOSTREWA 9-10-73	J. Hill 11-27-73		
APPROVED	RELEASED	REV LETTER	PAGE
	5-21-73	A	5

CONNECTOR INDEX

J11 PIN	J11 PAGE	J12 PIN	J12 PAGE	J13 PIN	J13 PAGE	J14 PIN	J14 PAGE
A		A		A		A	
B		B		B		B	
C		C		C		C	
D	2	D		D		D	
E		E		E		E	
F	2	F		F		F	
H		H	3	H	3	H	3
J	2	J		J		J	
K		K	3	K	3	K	3
L	2	L		L		L	
M		M		M		M	
N		N		N		N	
P	3	P		P		P	
R		R	3	R	3	R	3
S	3						
T							
U	3						
V	3						
W	3						
X							
Y							
Z							
AA	3						
BB	3						
CC							
DD	3						
EE							
FF							
HH	3						
JJ	3						
KK	3						
LL							
MM	3						
NN	3						

TERMINAL BOARD INDEX

TB1 (DOM) PIN	TB1 (DOM) PAGE	TB1 (INTNL) PIN	TB1 (INTNL) PAGE	TB2 (INTNL) PIN	TB2 (INTNL) PAGE	TB3 (INTNL) PIN	TB3 (INTNL) PAGE	TB4 A PIN	TB4 A PAGE	TB4 B PIN	TB4 B PAGE	TB5 A PIN	TB5 A PAGE	TB5 B PIN	TB5 B PAGE	TB6 A PIN	TB6 A PAGE	TB6 B PIN	TB6 B PAGE	TB7 A PIN	TB7 A PAGE	TB7 B PIN	TB7 B PAGE
1X	4	1X	5	1X	5	1X	5	0X	2	0X	2	0X	2	0X	2	0X	2	0X	2	0X	5	0X	5
1Y	4	1Y	5	1Y	5	1Y	5	0Y		0Y	2	0Y	2	0Y	2	0Y	2	0Y	2	0Y	5	0Y	5
1Z	4	1Z	5	1Z	5	1Z	5			1X				1X		2X	2	1X	2	2X	5	2X	5
2X	4	2X	5	2X	5	2X	5			1Y	2			1Y	2	2Y	2	1Y	2	2Y	5	2Y	5
2Y	4	2Y	5	2Y	5	2Y	5	2X	2	3X	5	2X	2	3X	5	3X	2	3X	2	4X	5	4X	5
2Z	4	2Z	5	2Z	5	2Z	5	2Y	2	3Y	5	2Y	2	3Y	5	3Y	2	3Y	2	4Y	5	4Y	5
3X	4	3X	5	3X	5	3X	5	3X	2	5X	3	3X	2	5X	3	5X	2	4X		6X	5	6X	5
3Y	4	3Y	5	3Y	5	3Y	5	3Y	2	5Y	3	3Y	2	5Y	3	5Y		4Y	2	6Y	5	6Y	5
3Z	4	3Z	5	3Z	5	3Z	5	5X	2	6X	3	5X	2	6X	3	7X	2	6X	2	8X	5	8X	4,5
4X	4	4X	5	4X	5	4X	5	5Y		6Y	3	5Y		6Y	3	7Y		6Y	2	8Y	5	8Y	4,5
4Y	4	4Y	5	4Y	5	4Y	5	7X		7X	3	7X		7X	3	8X	2	8X					
4Z	4	4Z	5	4Z	5	4Z	5	7Y	2	7Y	3	7Y	2	7Y	3	8Y	2	8Y	2				
5X	4	5X	5	5X	5	5X	5	8X	2	8X		8X	2	8X									
5Y	4	5Y	5	5Y	5	5Y	5	8Y	2	8Y		8Y	2	8Y									
5Z	4	5Z	5	5Z	5	5Z	5																
6X	4	6X	5	6X	5	6X	5																
6Y	4	6Y	5	6Y	5	6Y	5																
6Z	4	6Z	5	6Z	5	6Z	5																

TRANSFORMER INDEX

NO.	DESCRIPTION	PAGE
T1	AC POWER SUPPLY (DOM)	4
T1	AC POWER SUPPLY (INTNL)	5
T2	AC POWER SUPPLY (DOM)	4
T2	AC POWER SUPPLY (INTNL)	5
T3	AC POWER SUPPLY (DOM)	4
T3	AC POWER SUPPLY (INTNL)	5
T4	AC POWER SUPPLY (INTNL)	5

RELAYS

NO.	NAME	COIL PAGE	CONTACT PAGE A	CONTACT PAGE B
K1	L & M POWER	2	2	2
K2	G & P POWER	2	2	2
K3	MOTOR POWER	3	2	2

E POINT INDEX

NO.	DESCRIPTION	PAGE
E1	CHASSIS GRD FOR LINE CORD	2
E2	CHASSIS GRD FOR T1 (DOM)	4
E2	CHASSIS GRD FOR T1 (INTNL)	5
E3	CHASSIS GRD FOR T2 (DOM)	4
E3	CHASSIS GRD FOR T2 (INTNL)	5
E4	CHASSIS GRD FOR T3 (DOM)	4
E4	CHASSIS GRD FOR T3 (INTNL)	5
E6	CHASSIS GRD (J12)	3
E7	CHASSIS GRD (J13)	3
E8	CHASSIS GRD (J14)	3
E9	CHASSIS GRD (J11)	3
E10	CHASSIS GRD GMMRBF	3
E11	CHASSIS GRD GMMRBL	3
E32	FRAME GRD FOR T4 (INTNL)	5

CHOKES

NO.	NAME	PAGE
L1	LINE FILTER	2
L2	LINE FILTER	2
L3	LINE FILTER	2
L4	LINE FILTER	2

CAPACITORS

NO.	PAGE
C1	2
C2	2
C3	2
C4	2
C5	2
C6	2
C7	2
C8	3
C9	3

RESISTORS

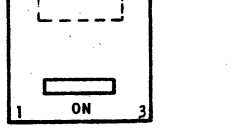
NO.	PAGE
R1	2
R2	2
R3	2
R4	2
R5	2
R6	2
R7	2

FUSE & CIRCUIT BREAKER INDEX

NO.		PAGE
CB1		2
CB2		2
F28		2
F29		3

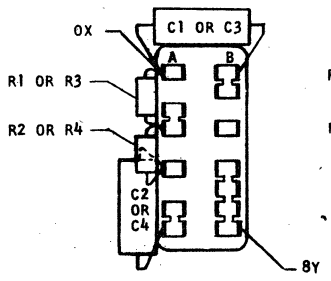
JUMPER WIRES & LINE CORD

NO.	DESCRIPTION	PAGE
W1	MAINS POWER INPUT LINE CORD	2
W107	AC LINE JUMPER	2
W108	AC NEUT JUMPER	2
W109	AC LINE JUMPER	2
W110	AC NEUT JUMPER	2
W111	AC LINE JUMPER	2
W112	AC NEUT JUMPER	2

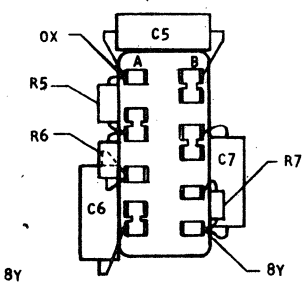


CB1, CB2

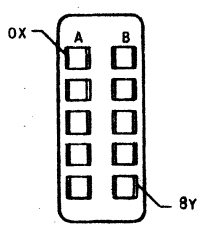
L1, L2, L3, L4



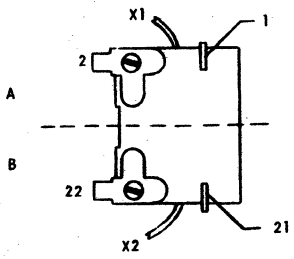
TB4, TB5



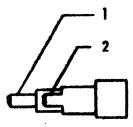
TB6



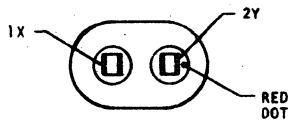
TB7



K1, K2, K3



XF28, XF29



C8, C9

DWG. NO. 2476 217i
PAGE 6

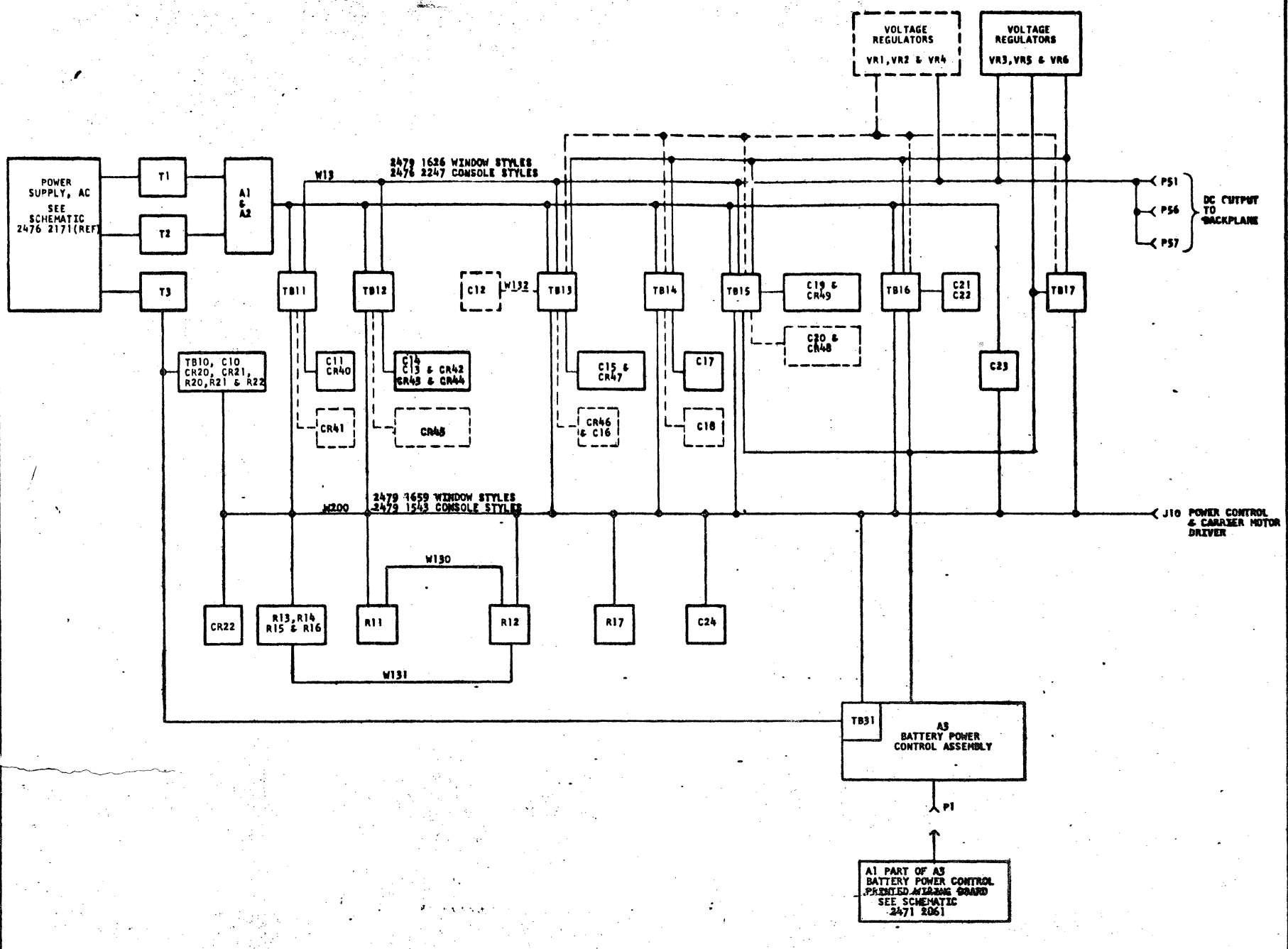
Burroughs Corporation
SYSTEMS M & E GROUP, PLYMOUTH, MICHIGAN 48170 — PLYMOUTH PLANT, U. S. AMERICA

TITLE: WIRING SCHEMATIC, POWER SUPPLY, AC (COMPONENT INDEXES, VISUAL AIDS)
SYSTEM: L8600, L8700, L8800 & L8900
DRAWN: EISENMANN 11-7-73
CHECKED: J. Hall 11-22-74
APPROVED:
RELEASED: 5-21-73
REV LETTER:
DWG. NO. 2476 217i
PAGE 6

INPUT

SCHEMATIC

OUTPUT



NOTES:

1. INDICATES DC POWER SUPPLY CHASSIS.
2. INDICATES VOLTAGE REGULATORS FAN COOLED HEAT SINK.
3. COMPONENTS IDENTIFIED BY LETTERS A, B, ETC. INDICATE PART NUMBERS AS FOLLOWS:

DIODES	TRANSISTORS
A - 2471 8108	A - 2471 8140
B - 1471 5023	B - 2471 2879
C - 1471 4729	C - 2471 8116
D - 1471 4745	D - 2473 3354
E - 2473 3321	
F - 2473 3313	
G - 2470 4207	
H - 1526 7271	
I - 2473 8411	
J - 2473 3305	
K - 2471 2762	

4. CIRCLED NUMBERS ◯ INDICATE TAGGED WIRES
5. FOR VISUAL AIDS SEE 2479 0362 CONSOLE STYLES OR 2479 1626 WINDOW STYLES
6. NAMES NOT IN PARENTHESIS ARE SYSTEM SIGNAL NAMES. NAMES IN PARENTHESIS ARE INTERRUPTED PATHS, ABBREVIATIONS OR OTHER INFORMATION.
7. OPTIONAL COMPONENTS. ON THE BLOCK DIAGRAM OPTIONAL COMPONENTS ARE INDICATED BY DASHED LINES.

UNLESS OTHERWISE SPECIFIED:
ALL RESISTANCE VALUES ARE IN OHMS

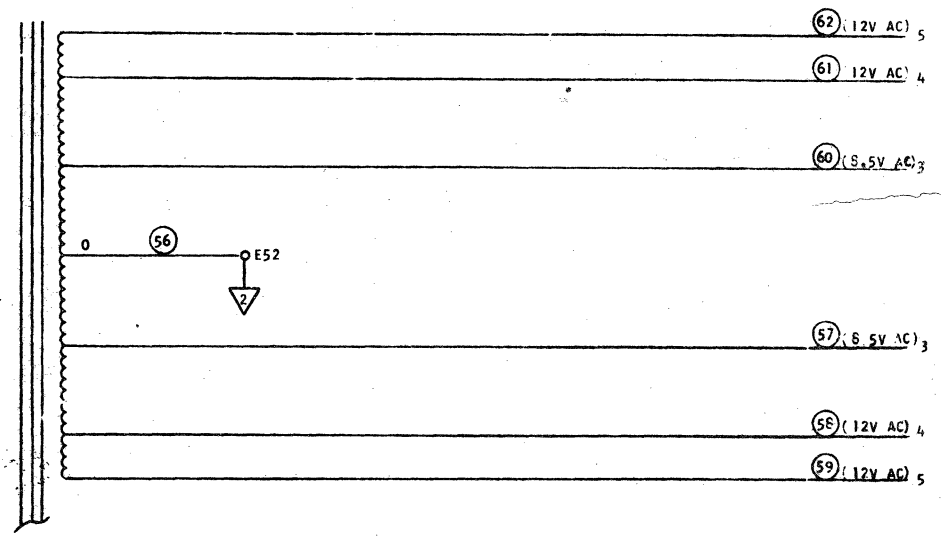
PAGE 1 OF 8
DWG NO 24791550

TITLE	WIRING SCHEMATIC, POWER SUPPLY, DC (BLOCK DIAGRAM PAGE INDEX AND NOTES)		
SYSTEM	L9000		DWG. NO. 24791550
DRAWN	KOSTRENA 1-18-75	CHECKED	
APPROVED		RELEASED 10-15-74	REV LETTER B
			PAGE 1

INPUT | SCHEMATIC ↓ | OUTPUT

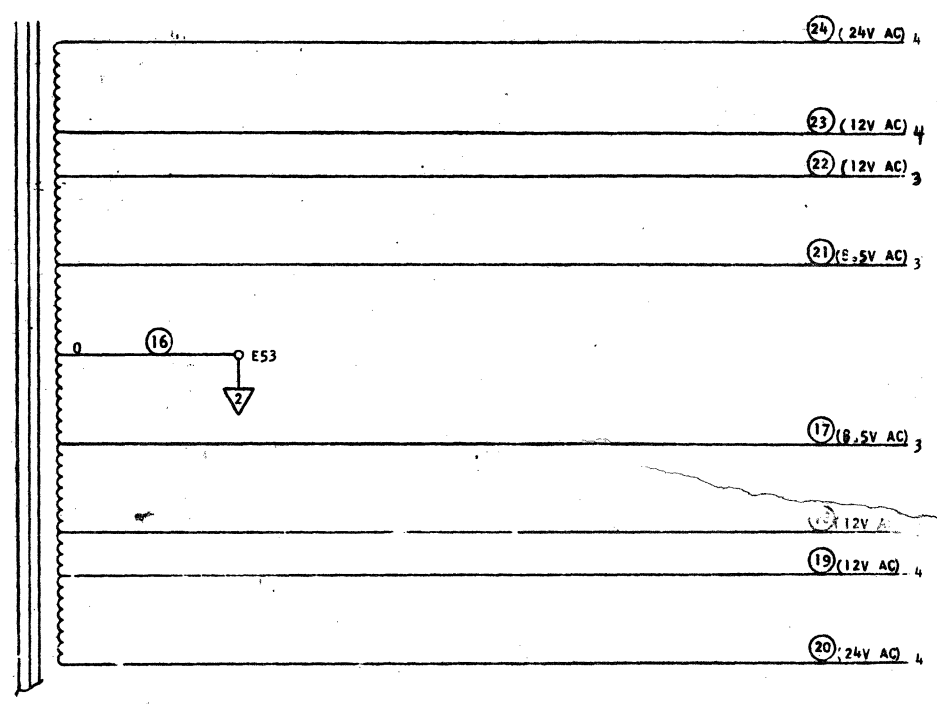
T1

FOR T1 CONTINUATION
SEE 2476 2171



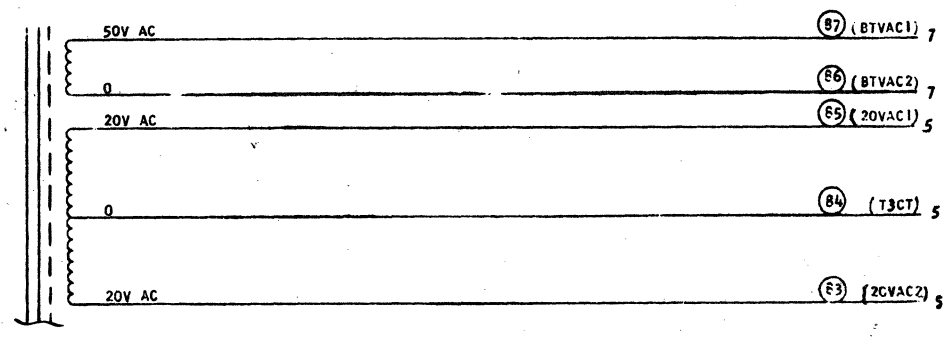
T2

FOR T2 CONTINUATION
SEE 2476 2171



T3

FOR T3 CONTINUATION
SEE 2476 2171



DWG. NO. 2479 1550
PAGE 2

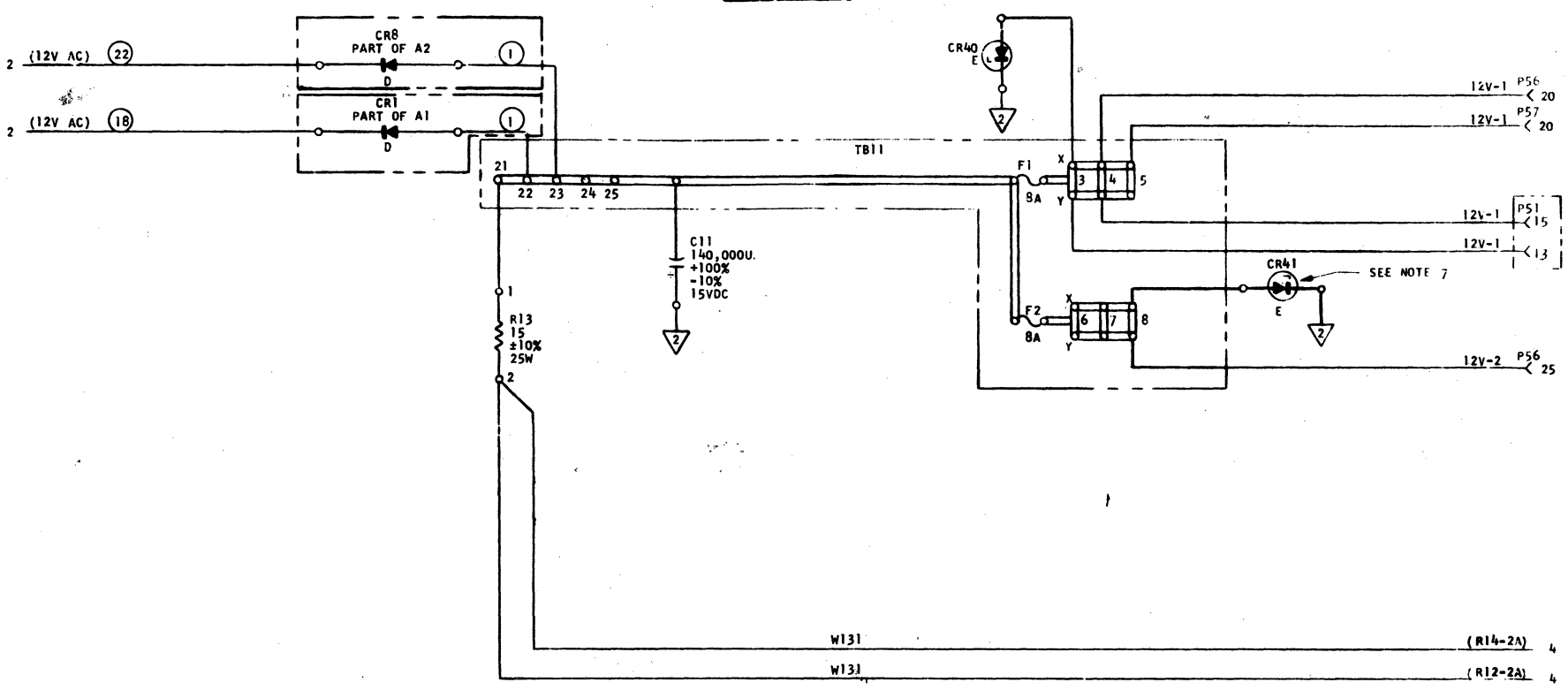
Burroughs Corporation
SYSTEMS M & E GROUP
PLYMOUTH, MICHIGAN 48170
PLYMOUTH PLANT
U. S. AMERICA

TITLE WIRING SCHEMATIC, POWER SUPPLY, [illegible] 50 A, 0 VOLTS
TRANSFORMER SECONDARIES, DUAL SI, [illegible]

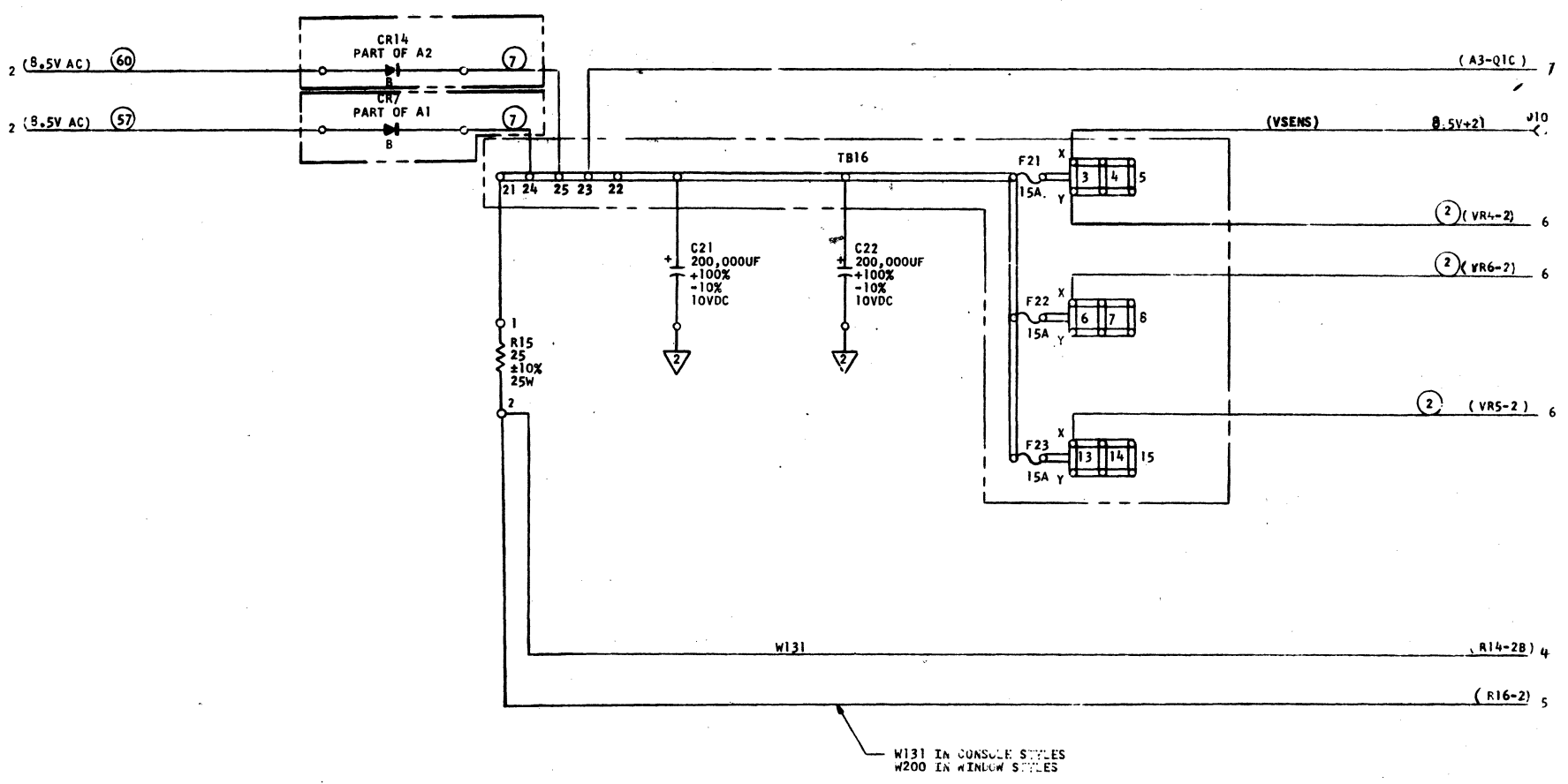
SYSTEM	DWG. NO.
9000	2479 1550
DRAWN: [illegible] 1-18-75	CHECKED: W
APPROVED	RELEASED: 10-13-75
REV LETTER	PAGE 2

INPUT | SCHEMATIC ↓ | OUTPUT

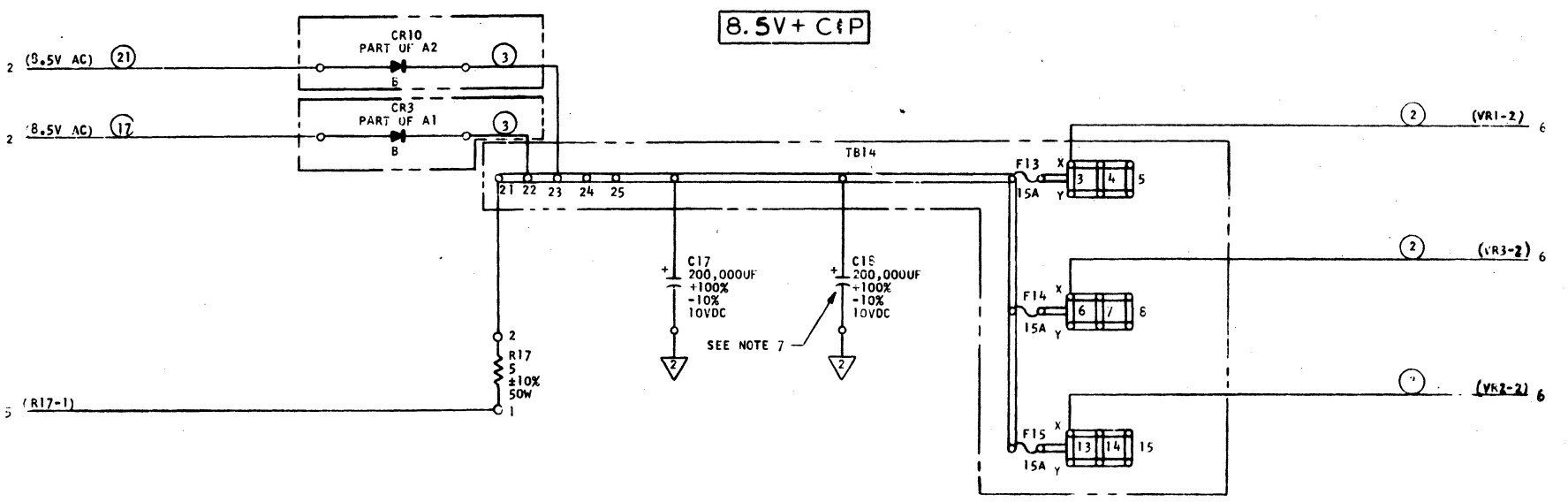
12V-C&P



8.5V+L&M



8.5V+ C&P



DWG. NO. 2479 1550
PAGE 3

Burroughs Corporation
SYSTEMS M & E GROUP — PLYMOUTH PLANT
PLYMOUTH, MICHIGAN 48170 — U.S. AMERICA

TITLE WIRING SCHEMATIC, POWER SUPPLY ASSY (12V-C&P, 8.5V+L&M, 8.5V+C&P LAST CUTOUT)
SYSTEM L9000 — DWG. NO. 2479 1550
DRAWN [illegible] 1-18-75 — CHECKED
APPROVED — RELEASED 10-15-74 — REV LETTER — PAGE 3

INPUT

SCHEMATIC

OUTPUT

24V+C&P

2 (24V AC) (24) — CR11 PART OF A2 (A) — 4

2 (24V AC) (20) — CR4 PART OF A1 (A) — 4

TB12: 21, 22, 23, 24, 25

C13 60,000UF +100% -10% 30VDC

C14 60,000UF +100% -10% 30VDC

R11 15 ±10% 25W

W130

F5 3A — 3, 4, 5

F6 4A TD — 6, 7, 8

F7 — 13, 14, 15 — 5A CONSOLE STYLES, 8A WINDOW STYLES

F8 5A — 16, 17, 18

CR42 F J — 24V+5 P51 1

CR43 F J — 24V+6 J10 B

CR44 F J — 24V+5 P51 11

CR45 F J — SEE NOTE 7 — 24V+8 P56 18

24V+5 P57 18

24V+5 P56 23

12V+C&P

3 (R12-2A) W131

5 (R12-2B) — 2

R12 15 ±10% 25W — 1

W131

CR46 F — SEE NOTE 7

CR47 F

TB13: 21, 22, 23, 24, 25

2 (12V AC) (19) — CR2 PART OF A1 (B) — 2

2 (12V AC) (23) — CR9 PART OF A2 (B) — 2

C15 140,000UF +100% -10% 15VDC

C16 140,000UF +100% -10% 15VDC

W132

SEE NOTE 7

C12 140,000UF +100% -10% 15VDC

F9 8A — 3, 4, 5

F10 8A — 6, 7, 8

F11 5A — 13, 14, 15

12V+9 P56 24

12V+10 P56 19

12V+10 P51 21

12V+10 P51 26

12V+10 P57 19

(1) (VR1-1) 6

(1) (VR3-1) 6

(1) (VR2-1) 6

12V-L&M

2 (12V AC) (61) — CR12 PART OF A2 (C) — 5

2 (12V AC) (58) — CR5 PART OF A1 (C) — 5

TB15: 21, 22, 23, 24, 25

C19 140,000UF +100% -10% 15VDC

C20 140,000UF +100% -10% 15VDC

R14 15 ±10% 25W — 1

3 (R14-2A) W131

3 (R14-2B) W131

SEE NOTE 7

CR48 E

CR49 E

F17 8A — 3, 4, 5

F18 8A — 6, 7, 8

F19 3A — 13, 14, 15

12V-17 P56 34

12V-17 P56 39

12V-17 P56 40

12V-18 P51 27

12V-18 P51 16

12V-18 P51 33

(3) (VR2-3) 6

(3) (VR4-3) 6

(3) (VR6-3) 6

(3) (VR5-3) 6

(3) (VR3-3) 6

(3) (VR1-3) 6

A3-34C 7

DWG. NO. 2479 1550 PAGE 4

Burroughs Corporation

SYSTEMS M & E GROUP, PLYMOUTH, MICHIGAN 48170 — PLYMOUTH PLANT, U.S. AMERICA

TITLE WIRING SCHEMATIC, POWER SUPPLY, DC (24V+C&P, 12V+C&P, 12V-L&M DISTRIBUTION)

SYSTEM L9000 — DWG. NO. 2479 1550

DRAWN OSTLEWA 1-18-75 — CHECKED WINSHIP 1-24-75

APPROVED — RELEASED 10-15-74 — REV LETTER — PAGE 4

INPUT

SCHEMATIC

OUTPUT

12V+L&M

2 (12V AC) (59) — CR6 PART OF A1 — G — (6)

2 (12V AC) (62) — CR13 PART OF A2 — G — (6)

1 — C23 31000UF +100% -10% 15V — 2 — (2)

1 — R16 50 ±5% 25W — 2

3 (R16-2)

W131 IN CONSOLE STYLES
W200 IN WINDOW STYLES

TB17: 1 Y X — F25 5A TD — 2Y-1 — 2 Y X — 3 Y X

(A3-QSC) 7

12V+25 J10 F

(1) (VR4-1) 6

(1) (VR5-1) 6

(1) (VR6-1) 6

2 (20VAC1) (85) — TB10A 0 Y X — CR20 H

2 (20VAC2) (83) — TB10B 5 Y X — CR21 H

390 ±5% 1/2W R20 — PART OF TB10

TB10B 8 X Y

C10 .01UF ±20% 200V — R21 2400 ±5% 1/2W — PART OF TB10

TB10A 8 7 6 X Y

2 (T3CT) (84)

E50 — (2)

R22 25 ±10% 50W — 1 2 — TB10B X 3 Y — 3X-1 — 1 — CR22 I — (2)

6V+CONT J10 D

Y 3 X 3X-1 — TB10A 4

(S1) 24V+CONT J10 L

(24V+CONT) 7

C24 2000UF +100% -10% 40V — 1 — 2 — (2)

(VSENS) 24V+CONT J10 R

COUNT J10 K

(R17-1) 3

(R12-2B) 4

BTEMG J10 T

GRDCMD J10 A

(S1) 24CTSWB J10 d

Z

(K2) 24CTSWB V

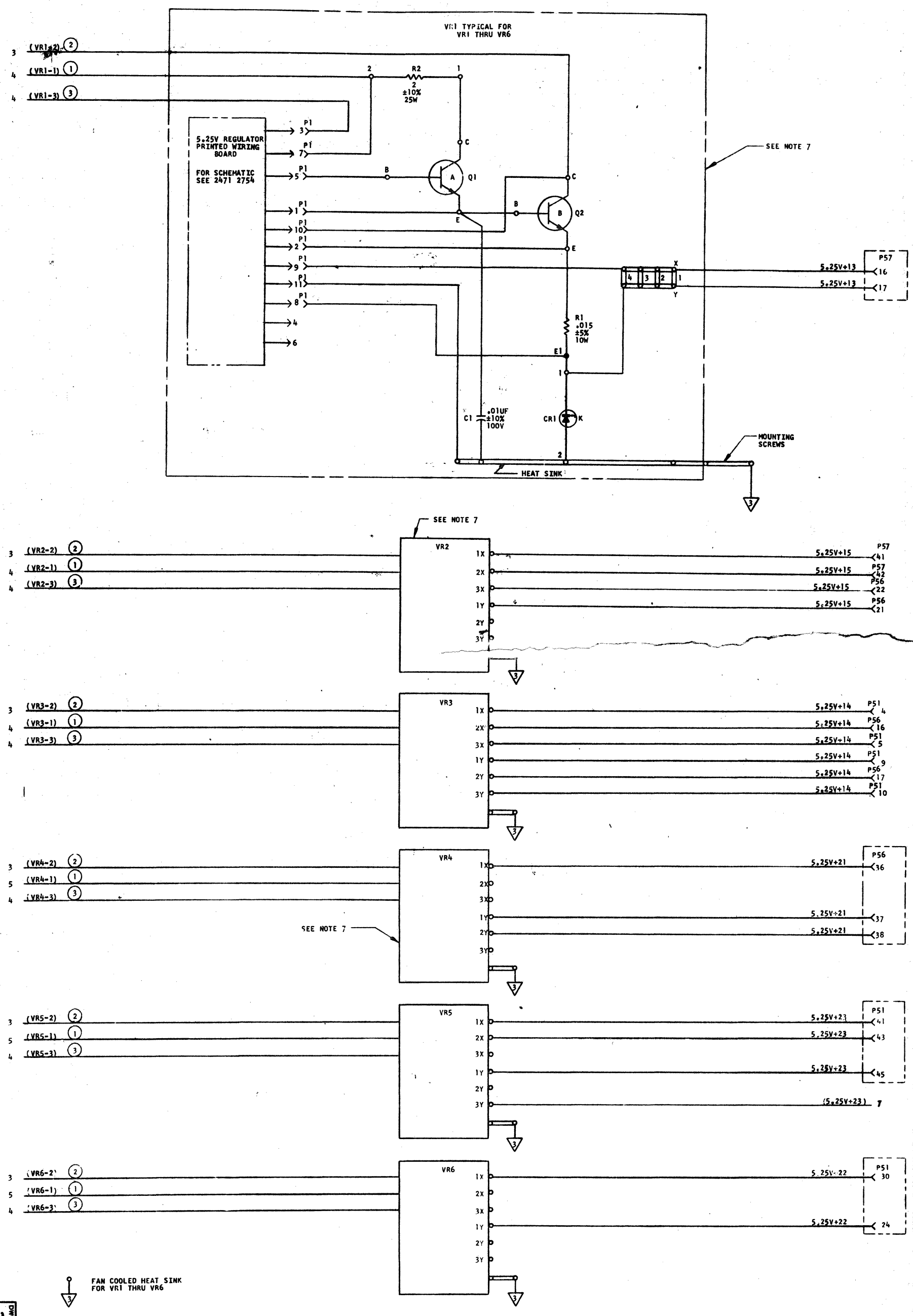
DWG. NO. 2479 1550
PAGE 5

TITLE WIRING SCHEMATIC, POWER SUPPLY, DC (12V+L&M DISTRIBUTION)
SYSTEM L9000
DRAWN 1-18-75 CHECKED 1-24-75
APPROVED RELEASED 10-15-74
DWG. NO. 2479 1550
REV LETTER A
PAGE 5

INPUT

SCHEMATIC

OUTPUT



DWG. NO. 2479 1550
PAGE 6

Burroughs Corporation
SYSTEMS M & E GROUP, PLYMOUTH, MICHIGAN 48170
PLYMOUTH PLANT, U. S. AMERICA

TITLE WIRING SCHEMATIC, POWER SUPPLY, DC (VOLTAGE REGULATOR AND DISTRIBUTION)			
SYSTEM 9000			DWG. NO. 2479 1550
DRAWN POSTEMA 1-18-75	CHECKED KINSHIP 2-4-75		
APPROVED	RELEASED 10-15-74	REV LETTER	PAGE 6

INPUT

SCHEMATIC

OUTPUT

3 (A3-Q1C)

5 (A3-Q5C)

4 (A3-Q4C)

6 (5.25V+23)

5 (24V+CONT)

2 (BTVAC1) (87)

2 (BTVAC2) (86)

E54

R31 5 ±5% 100W

R30 51 ±5% 1/2W

R32 5 ±10% 25W

Q1 Q2 Q3 Q4 Q5 Q6

TB30

TB31A

TB31B

A1

P1 30, 32, 11, 26, L, 9, 16, P, 13, 20, 17, 18, W, 15, 3, 28, P, 35, 29, E, 27, J, 33, 31, e

BATTERY POWER CONTROL, PRINTED WIRING BOARD

FOR SCHEMATIC SEE 2471 2861

UV1 J10 W

BTPWREM J10 M

BAT/ J10 U

BTPWR/ J10 P

A3

BATTERY POWER CONTROL

DWG. NO. 2479 1550

PAGE 7

Burroughs Corporation

SYSTEMS M & E GROUP PLYMOUTH PLANT

PLYMOUTH, MICHIGAN 48170 U. S. AMERICA

TITLE WIRING SCHEMATIC, POWER SUPPLY, DC (BATTERY POWER CONTROL ASSEMBLY, A3)

SYSTEM L9000

DRAWN POSTAWA 1-18-75

CHECKED WINSHIP 1-24-75

APPROVED

RELEASED 10-15-74

REV LETTER

DWG. NO. 2479 1550

PAGE 7

CONNECTOR INDEX

J10		P51		P56		P57	
PIN	PAGE	PIN	PAGE	PIN	PAGE	PIN	PAGE
A	5	1	4	1		1	
B	4	2		2		2	
C		3		3		3	
D	5	4	6	4		4	
E		5	6	5		5	
F	5	6		6		6	
H		7		7		7	
J	5	8		8		8	
K		9	6&4	9		9	
L	5	10		10		10	
M		11		11		11	
N	7	12	4	12		12	
P		13		13		13	
R	7	14	3	14		14	
S	5	15		15		15	
T		16	3	16	6&4	16	6&4
U	5	17		17		17	
V		18	4	18	6&4	18	6&4
W	5	19		19		19	
X		20		20		20	
Y	7	21	4	21		21	
Z		22		22		22	
a	5	23		23		23	
b		24	6	24	4&3	24	
c		25		25		25	
d	5	26	4	26		26	
		27		27		27	
		28		28		28	
		29		29		29	
		30	6	30		30	
		31		31		31	
		32	4	32		32	
		33		33		33	
		34		34	4	34	
		35		35		35	
		36		36	6&4	36	
		37		37		37	
		38		38		38	
		39		39	4	39	
		40		40		40	
		41	6	41		41	6
		42		42		42	
		43	6	43		43	
		44		44		44	
		45	6	45		45	
		46		46		46	
		47		47		47	
		48		48		48	
		49		49		49	
		50		50		50	

TERMINAL BOARD INDEX

TB10				TB11		TB12		TC13		TB14		TB15		TB16		TB17		TB30		TB31			
A		B																		A		B	
PIN	PAGE	PIN	PAGE	PIN	PAGE	PIN	PAGE	PIN	PAGE	PIN	PAGE	PIN	PAGE	PIN	PAGE	PIN	PAGE	PIN	PAGE	PIN	PAGE	PIN	PAGE
				3X	3	3X	4	3X	4	3X	3	3X	4	3X	3			0X		0X	7	0X	7
				3Y	3	3Y	4	3Y	4	3Y		3Y		3Y	3	1X		0Y		0Y	7	0Y	7
0X	5	0X		4X	3	4X	4	4X		4X		4X		4X		1Y	5	1X	7	1X	7	1X	7
0Y	5	0Y		4Y	3	4Y	4	4Y		4Y		4Y	4	4Y		2X	5	1Y	7	2X	7	2X	7
3X	5	1X		5X	3	5X	4	5X		5X		5X	4	5X		2Y	5	2X	7	2Y	7	2Y	7
3Y	5	1Y		5Y		5Y		5Y		5Y		5Y	4	5Y		3X	5	2Y	7	4X		4X	
4X	5	3Y	5	6X	4	6X	4	6X	4	6X	3	6X		6X	3	3Y	5	3X	7	4Y	7	4Y	7
4Y	5	3X	5	6Y		6Y		6Y		6Y		6Y		6Y				3Y		6X	7	6X	
		5Y	5	7X		7X	4	7X	4	7X		7X	4	7X				4X		6Y	7	6Y	7
				7Y		7Y	4	7Y	4	7Y		7Y	4	7Y				4Y		8X	7	8X	7
6X	5			8X	3	8Y	4	8Y	4	8X	4	8X	4	8X						8Y	7	8Y	7
6Y	5			8Y	3	13X		13X	4	8Y	4	8Y	4	8Y									
7X	5	8X	5			13Y		13Y	4	13X	3	13X	4	13X	3								
7Y	5	8Y	5			14X		14X	4	13Y		13Y	4	13Y									
8X	5					14Y	4	14Y		14X	4	14X	4	14X									
8Y	5					15X		15X		14Y		14Y	4	14Y									
						15Y		15Y		15X	4	15X	4	15X									
						16X				15Y		15Y	4	15Y									
						16Y																	
						17X																	
						17Y																	
						18X	4																
						18Y	4																
				21	3	21	4	21	4	21	3	21	4	21	3								
				22	3	22	4	22	4	22	3	22	4	22									
				23	3	23	4	23	4	23		23	4	23									
				24		24		24		24		24	4	24									
				25		25		25		25		25		25									

ASSEMBLIES

NO.	PAGE
A1	3,4,5
A2	3,4,5
A3	7
VR1	6
VR2	6
VR3	6
VR4	6
VR5	6
VR6	6

CAPACITORS

NO.	PAGE
VR1C1	6
C10	5
C11	3
C12	3
C13	4
C14	4
C15	4
C16	4
C17	3
C18	3
C19	4
C20	4
C21	3
C22	3
C23	5
C24	5

DIODES

NO.	PAGE
A1CR1	3
VR1CR1	6
A1CR2	4
A1CR3	3
A1CR4	4
A1CR5	4
A1CR6	5
A1CR7	3
A2CR8	3
A2CR9	4
A2CR10	3
A2CR11	4
A2CR12	4
A2CR13	5
A2CR14	5
CR20	5
CR21	5
CR22	5
CR40	3
CR41	3
CR42	4
CR43	4
CR44	4
CR45	4
CR46	4
CR47	4
CR48	4
CR49	4

E POINT INDEX

NO.	DESCRIPTION	PAGE
E50	GRD DCMD	5
E51	SPARE	
E52	GRD RETURN FOR T1	2
E53	GRD RETURN FOR T2	2
E54	GRD RETURN FOR A3	7
E56	SPARE	

FUSE INDEX

NO.	RATING	PAGE
F1	8 AMP	3
F2	8 AMP	3
F5	3 AMP	4
F6	4 AMP TD	4
F7	5 AMP	4
F8	5 AMP	4
F9	8 AMP	4
F10	8 AMP	4
F11	5 AMP	4
F13	15 AMP	3
F14	15 AMP	3
F15	15 AMP	3
F17	8 AMP	4
F18	8 AMP	4
F19	3 AMP	4
F21	15 AMP	3
F22	15 AMP	3

RESISTORS

NO.	PAGE
VR1R1	6
VR1R2	6
R11	4
R12	4
R13	3
R14	4
R15	3
R16	5
R17	3
R20	5
R21	5
R22	5
A3R30	7
A3R31	7
A3R32	7

TRANSFORMER INDEX

NO.	DESCRIPTION	PAGE
T1	DC POWER SUPPLY	2
T2	DC POWER SUPPLY	2
T3	DC POWER SUPPLY	2

TRANSISTORS

NO.	PAGE
A3Q1	7
VR1Q1	6
A3Q2	7
VR1Q2	6
A3Q3	7
A3Q4	7
A3Q5	7
A3Q6	7

JUMPER WIRES

NO.	DESCRIPTION	PAGE
W130	WIRE-SOLID BARE COPPER BUSS	4
W131	WIRE-SOLID BARE COPPER BUSS	3,4,5
W132	WIRE, JUMPER, TERMINATED	4

DWG. NO. 2479 1550
PAGE 8

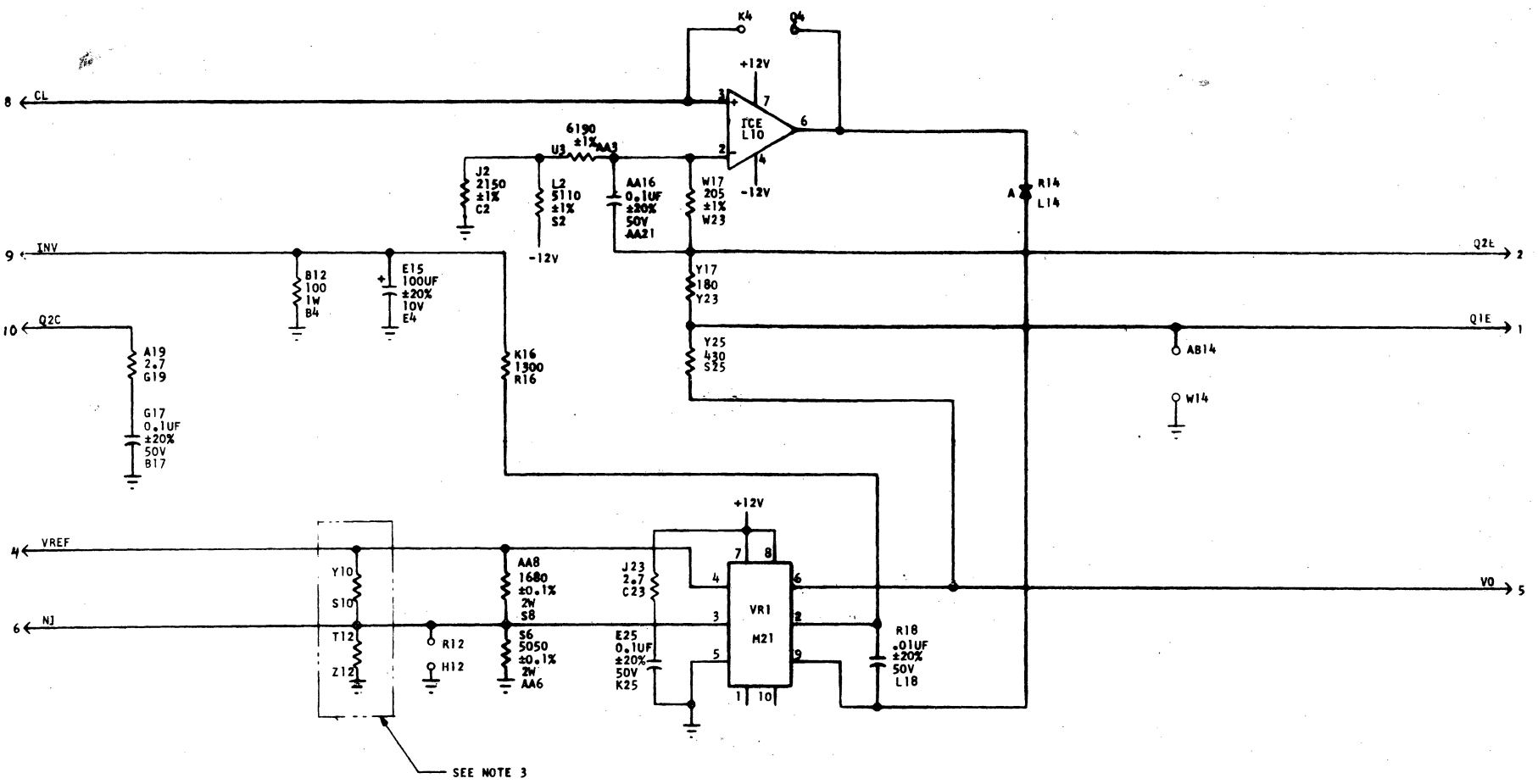
Burroughs Corporation
SYSTEMS M & E GROUP — PLYMOUTH PLANT
PLYMOUTH, MICHIGAN 48170 — U S AMERICA

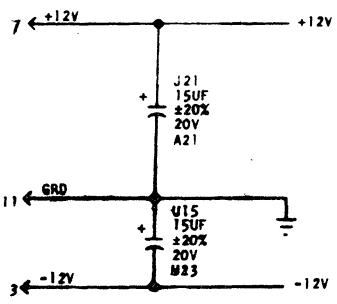
TITLE WIRING SCHEMATIC, POWER SUPPLY, DC (CONNECTOR, TERMINAL BOARD AND COMPONENT INDEX)
SYSTEM 9000
DRAWN KUSTKEWA 1-18-75
CHECKED [illegible] 1-24-75
APPROVED
RELEASED 10-15-74
REV LETTER B
PAGE 8
DWG. NO. 2479 1550

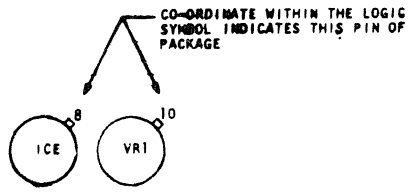
INPUT

SCHEMATIC

OUTPUT







NOTES:
1. FOR ASSEMBLY SEE 2471 2739 (SERIES L) E.R. DATE 2-16-74
   1537 8763 (DC110) E.R. DATE 2-16-74
2. CODES FOR DENOTING COMPONENT PART NUMBERS ARE AS FOLLOWS:

I.C.'S	DIODE
ICE - 1479 0273	A - 1471 4703
VR1 - 1479 8011	

3. CALIBRATION RESISTORS PER T&A SPECIFICATION 2471 8207 (SERIES L)(5.25 VOLT) OR 1537 8789 (DC110)(5.1 VOLT) MAY NOT BE PRESENT ON ALL BOARD ASSEMBLIES.

UNLESS OTHERWISE SPECIFIED:
RESISTANCE VALUES ARE IN OHMS, ±5%, 1/2W

PAGE	DWG. NO.
1 OF 1	2471 2754

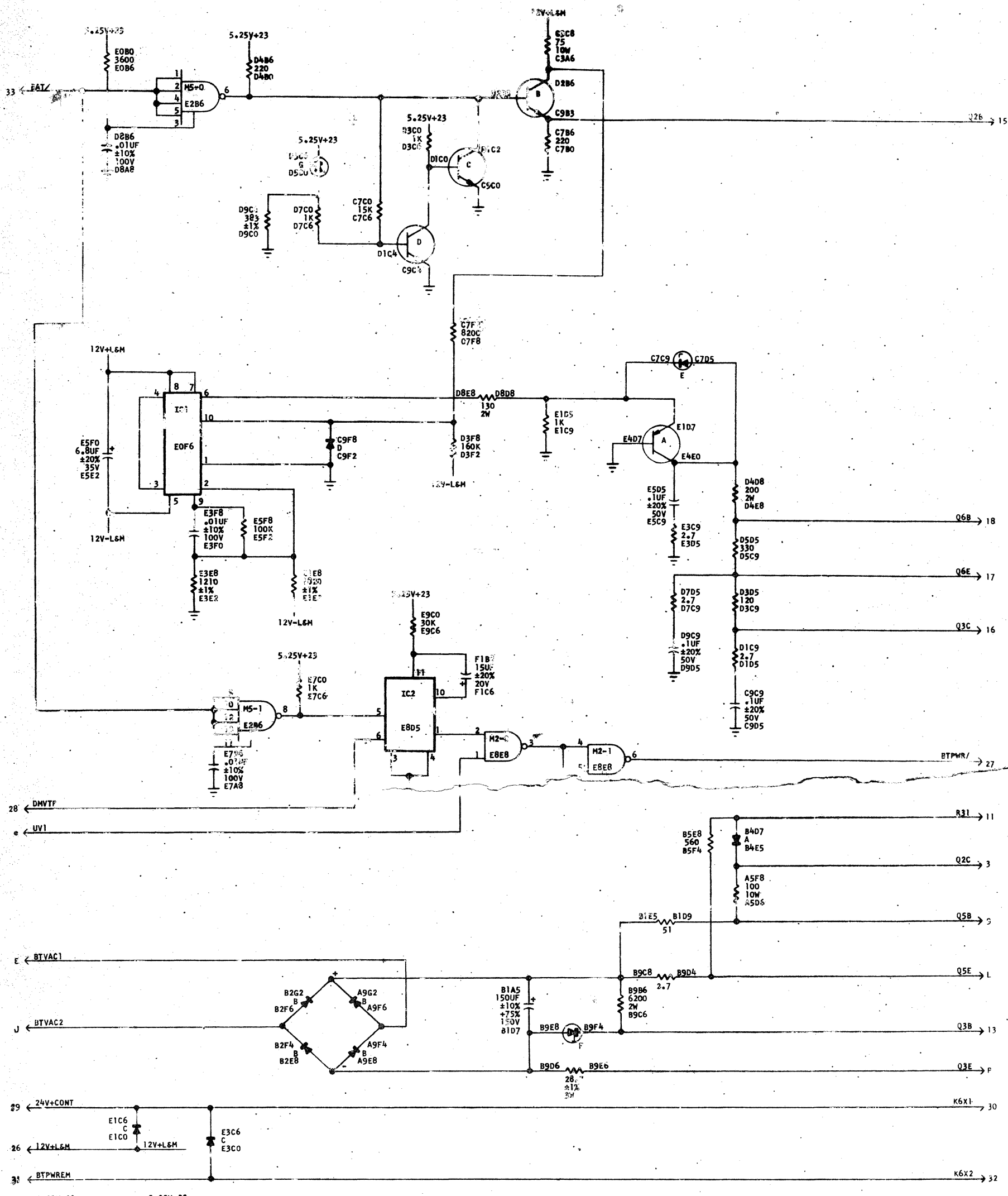
P/E	Released DATE	REV
1	2-7-75	C

TITLE	SCHEMATIC, BOARD, 5 VOLT REGULATOR		
SYSTEM	L6000 & DC110		DWG. NO. 2471 2754
DRAWN V.A. OLAH	CHECKED R. GLENN 5-3-71		
APPROVED [signature] 5-28-71	RELEASED 5-3-71	REV LETTER C	PAGE 1 OF 1

INPUT

SCHEMATIC

OUTPUT



NOTES:

1. FOR ASSEMBLY SEE 2471 2846
2. CODES USED FOR DENOTING COMPONENT PART NUMBERS ARE AS FOLLOWS:

I.C.'S	TRANSISTORS	DIODES
M2 - 1471 4364	A - 2473 3362	A - 1526 7271
M5 - 1471 4398	B - 1471 4786	B - 1072 7931
IC1 - 1479 3011	C - 1471 4760	C - 1471 4737
IC2 - 1447 3706	D - 1479 7963	D - 1471 4703
		E - 1532 8198
		F - 1479 7997
		G - 2473 3347

3. LAST DIGIT OF I.C. CODE INDICATES ITS ELEMENT NUMBER

UNLESS OTHERWISE SPECIFIED:
ALL RESISTANCE VALUES ARE IN OHMS, ±5%, 1/2W

DRWG. NO. 2471 2861
PAGE 1 OF 1

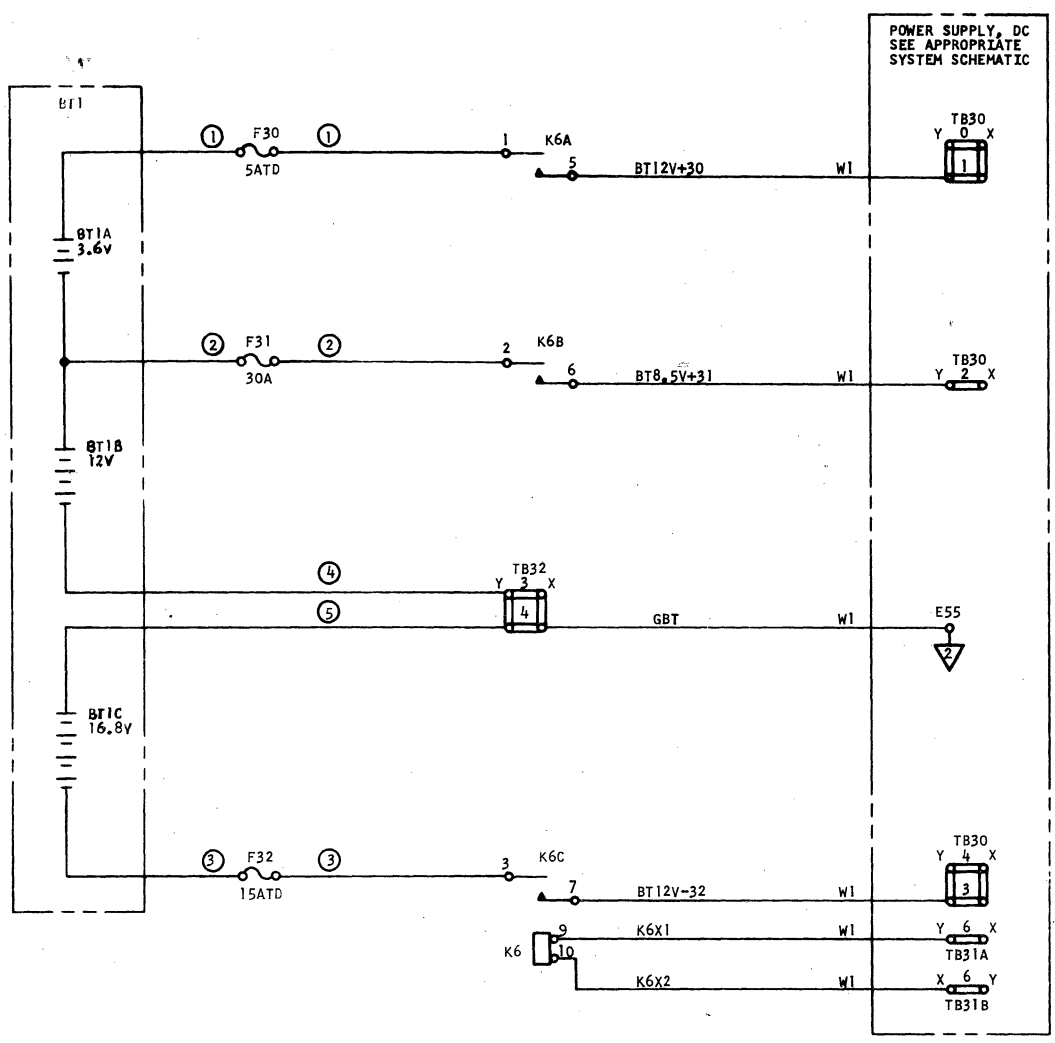
PAGE	E.C.P. DATE	REV
1	11-30-73	C

Burroughs Corporation
SYSTEMS M & E GROUP — PLYMOUTH, MICHIGAN 48170 — PLYMOUTH PLANT — U.S.A.

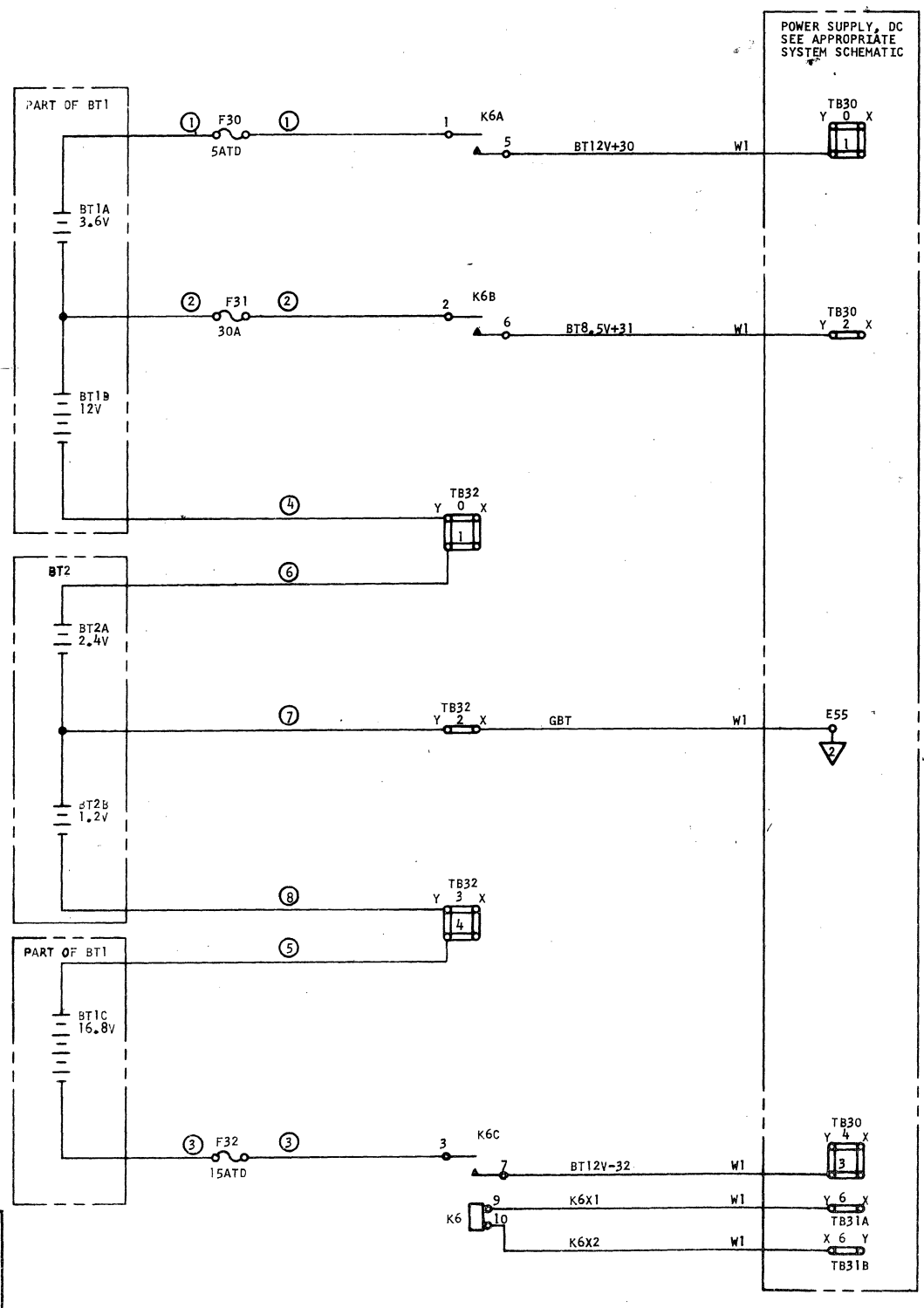
TITLE	SCHEMATIC, CARD, BATTERY POWER CONTROL		
SYSTEM	L8000		DWG. NO. 2471 2861
DRAWN	CRAWFORD 8-22-72	CHECKED	WHISHIP 9-6-72
APPROVED	9-6-72	REVISED DATE	5-3-71
		REV LETTER	C
		PAGE	1 OF 1

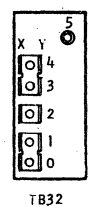
INPUT | SCHEMATIC ↓ | OUTPUT

BATTERY FOR SYSTEM WITHOUT EXTENDED MEMORY



BATTERY FOR SYSTEM WITH EXTENDED MEMORY





NOTES:

1. ▽2 = D.C. POWER SUPPLY CHASSIS
2. CIRCLED ○ NUMBERS INDICATE TAGGED WIRES
3. ALL W1 WIRES ARE CONTAINED IN ONE OF THE FOLLOWING HARNESSES:
   - 2472 9832 - SHORT CONSOLE
   - 2472 9881 - LONG CONSOLE
   - 2474 6265 - WINDOW MACHINES

DWG. NO. 2479 8902 PAGE 1 OF 1

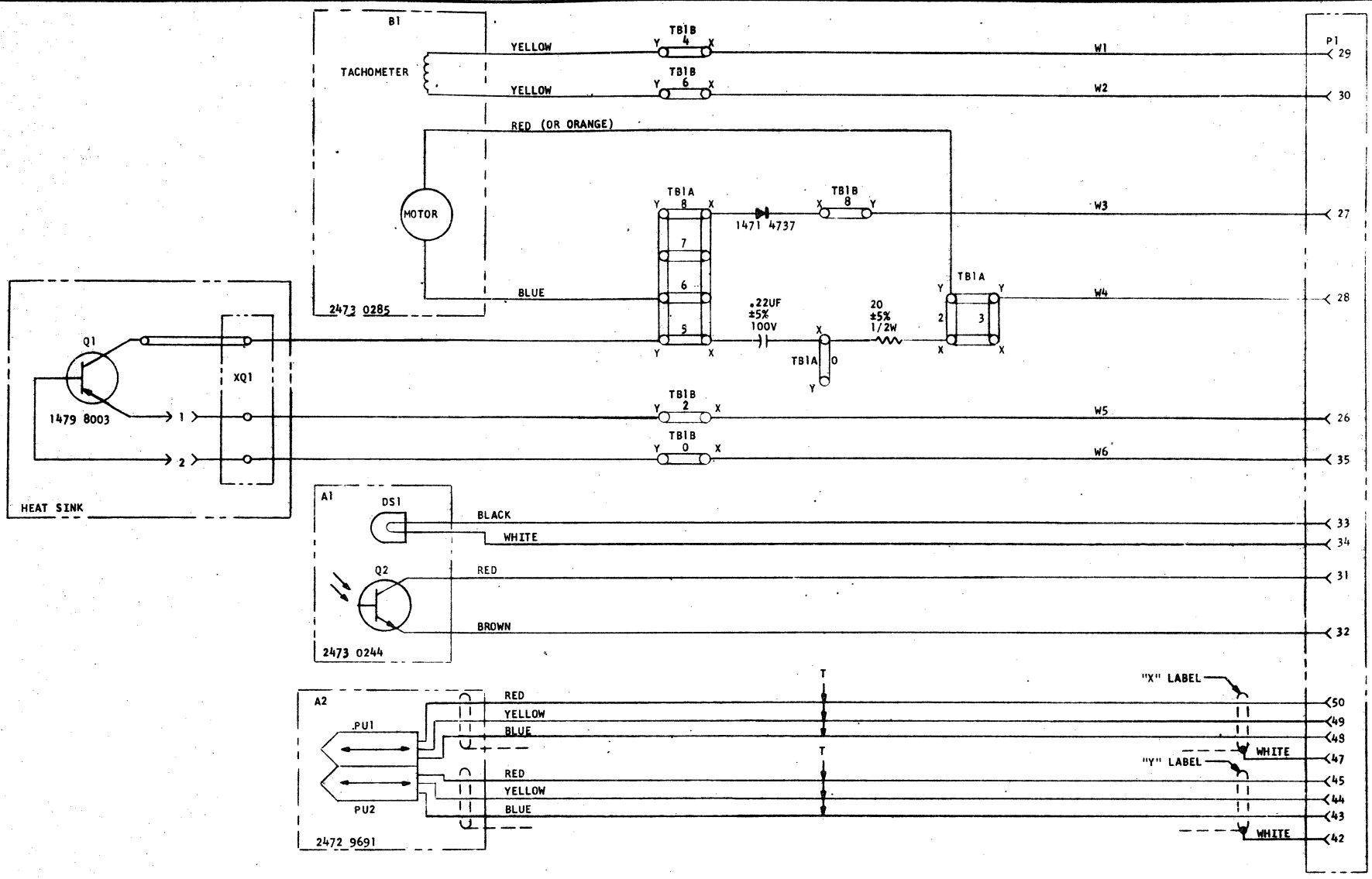
PAGE	ER DATE	REV
1		

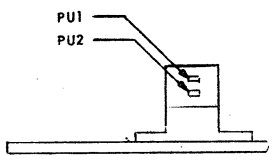
TITLE	WIRING SCHEMATIC, DATA SAVE BATTERY CIRCUITS		
SYSTEM		DWG. NO.	2479 8902
DRAWN R. BELVILLE 3-10-75	CHECKED J. Hill 3-21-75		
APPROVED 3-25-75	RELEASED 10-15-74	REV LETTER	PAGE 1 OF 1

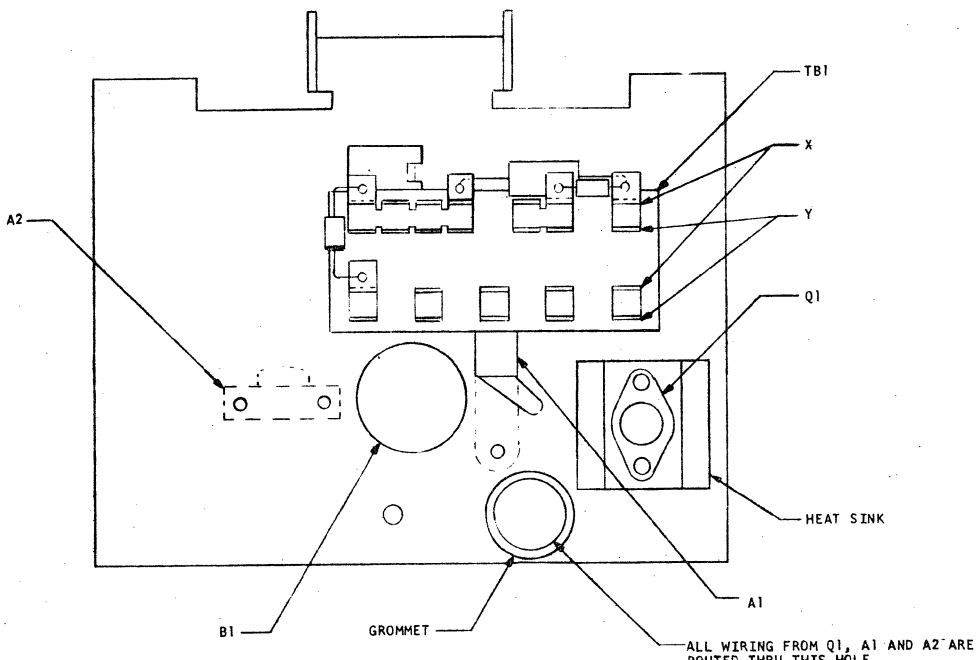
INPUT

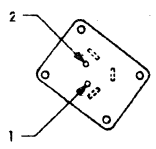
SCHEMATIC

OUTPUT









(TOP VIEW)

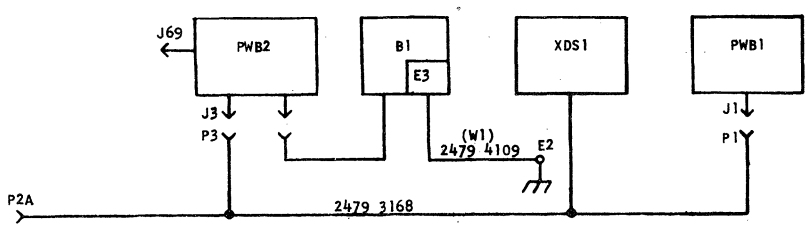
NOTE:
1. WIRES W1 THRU W6 ARE CONTAINED IN 2473 7538

UNLESS OTHERWISE SPECIFIED:
RESISTANCE VALUES ARE IN OHMS

DWG. NO. 2473 5326
PAGE 1 OF 1

TITLE: WIRING SCHEMATIC, DATA SAVE			DWG. NO. 2473 5326
SYSTEM			
DRAWN: BAL AMUCKI 10-13-72	CHECKED: J. Hill 1-22-73		
APPROVED: T. Dugan 1/23/73	RELEASED: 5-3-71	REV LETTER	PAGE 1 OF 1

INPUT | SCHEMATIC ↓ | OUTPUT



PAGE	DESCRIPTION	E.R.DATE	REV
1	SYSTEM BLOCK DIAGRAM INDEX & NOTES		
2	MEMORY LOADER SCHEMATIC & VISUAL AID		

NOTES:

1. CODES USED FOR DENOTING COMPONENT PART NUMBERS ARE AS FOLLOWS:

TRANSISTORS	DIODES
A - 2470 5568	A - 1471 4703
B - 1534 8899	B - 1471 4661
C - 1471 4786	C - 2479 3200
D - 1479 8003	D - 1471 5015

UNLESS OTHERWISE SPECIFIED:
ALL RESISTANCE VALUES ARE IN OHMS ±5% 1/2W

DWG. NO. 2479 3176
PAGE 1

1 of 2

TITLE WIRING, SCHEMATIC, MEMORY LOADER, BLOCK DIAGRAM INDEX & NOTES			
SYSTEM		DWG. NO. 2479 3176	
DRAWN THOMAN 2-25-75	CHECKED WINSHIP 3-25-75		
APPROVED [illegible] 4-1-75	RELEASED 12-16-74	REV LETTER	PAGE 1

INPUT

SCHEMATIC

OUTPUT

PWB2
MEMORY LOADER CONTROL
FOR ASSEMBLY SEE 2479 3127

J69 3 AC NEUT

J69 1 AC LINE

100 Y21 B21 .1uF ±20% 600V B22 X22

B1 E3 GRN/YEL(W1) E2

K1 S20 9 10 P20 11 T18 S18 12 13 5 6 7

P2A 13 LAMPREF — P3 5

15 +12V — 1

M16 1 4 U16

M14 B V14

2 H2 S1 PWR ON 1 J2

M10 D M8

C8 1K ±10% .8W D9 F8 — 100 G5 L5 — M13

M12 B C4 C2 D E3

C1 C B1

L2

R13

P3 2 — XDS1 1

14 RELARM — 6 — W11 A AA11 — X17 C X15 Z17

AA13 10K W13

12 GRD — 4 — T7 — P3 3 — XDS1 2

10 COMMON (+12V) — P1 8

16 SPARE (TIE BACK)

17 SPARE (TIE BACK)

11 SHLD

PWB1
SENSOR BOARD
FOR ASSEMBLY SEE 2479 3069

A C 1 — P1 2 — 1TRAK — P2A 1

A 2 — 3 — 2TRAK — 2

A 3 — 4 — 3TRAK — 3

A 7 — 5 — 7TRAK — 9

A 4 — 6 — 4TRAK — 4

A 5 — 7 — 5TRAK — 5

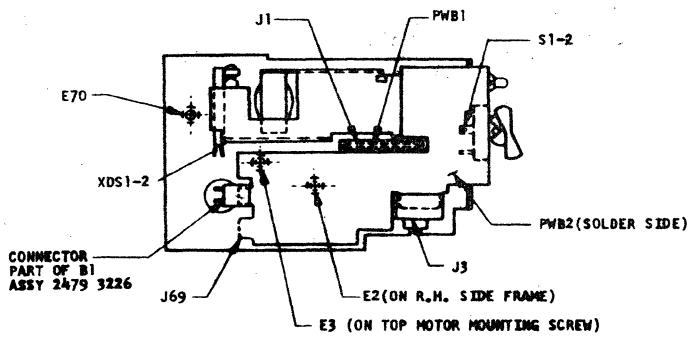
A 6 — 9 — 6TRAK — 6

A 7 — 10 — 7TRAK — 7

A 8 — 11 — 8TRAK — 8

SPARE — 1

FOR CONNECTIONS
SEE APPLICABLE
SYSTEM SCHEMATIC E70



LEFT SIDE VIEW

DWG. NO. 2479 3176
PAGE 2

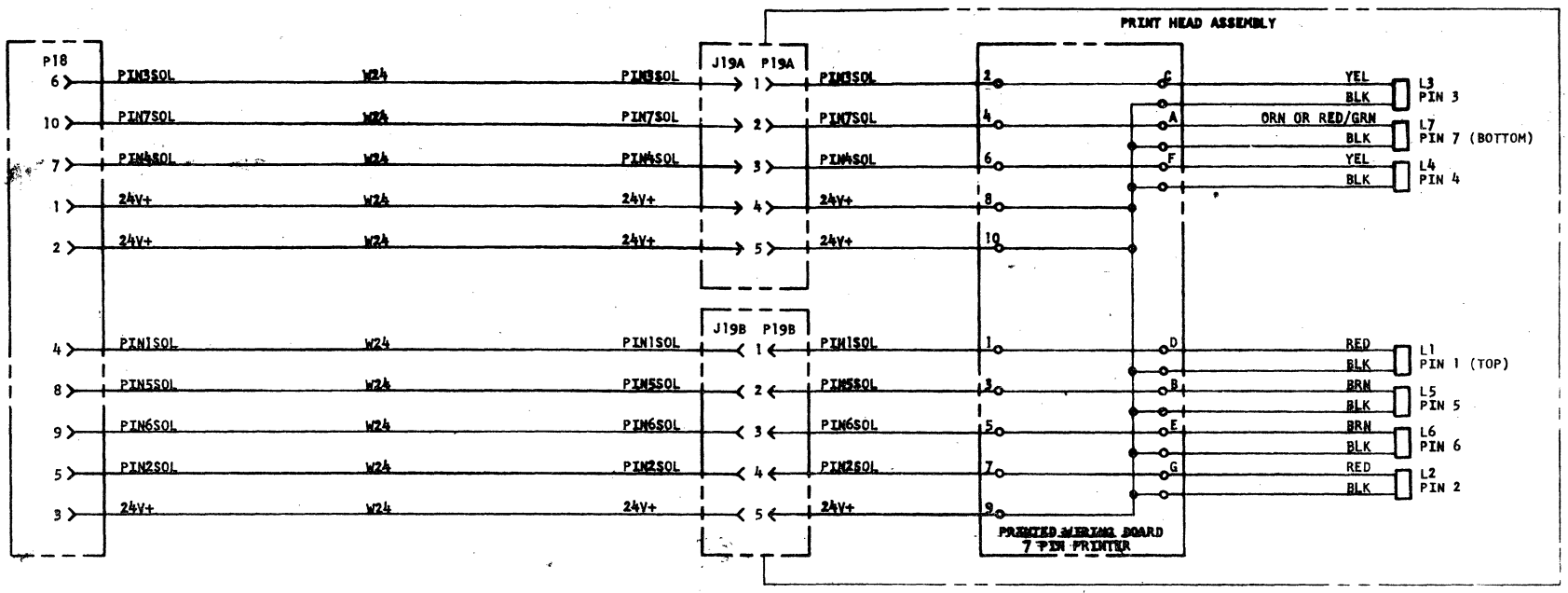
Burroughs Corporation
SYSTEMS M & E GROUP — PLYMOUTH PLANT
PLYMOUTH MICHIGAN 48170 — U.S. AMERICA
PROPRIETARY TO BURROUGHS CORP. - NOT TO BE REPRODUCED, FOR USE OR DISCLOSURE
FURNISHED PURPOSES EXCEPT ON AUTHORIZED ORDER OR PRIOR WRITTEN CONSENT

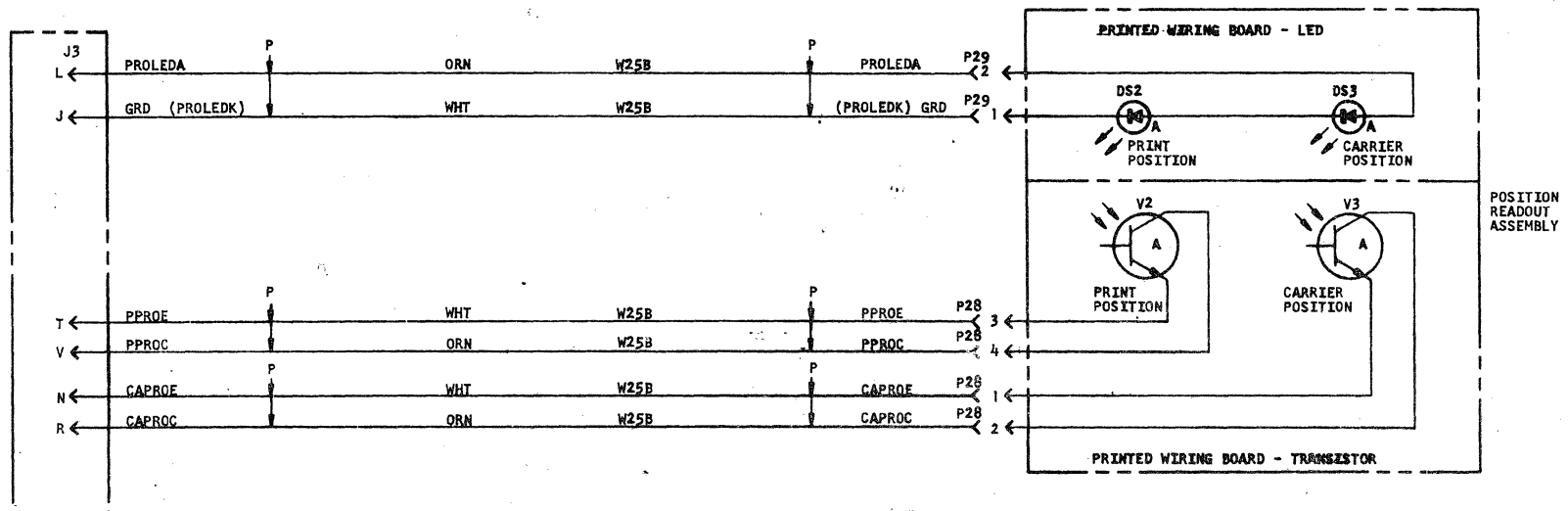
TITLE VISUAL SCHEMATIC, MEMORY LOADER, (SCHEMATIC & VISUAL AIDS)
DRAWN
CHECKED VISUAL 3-24-75 — CHECKED W/ VISUAL 3-25-75
RELEASED 5-16-75
DWG. NO. 2479 3176
REV LETTER
PAGE 2

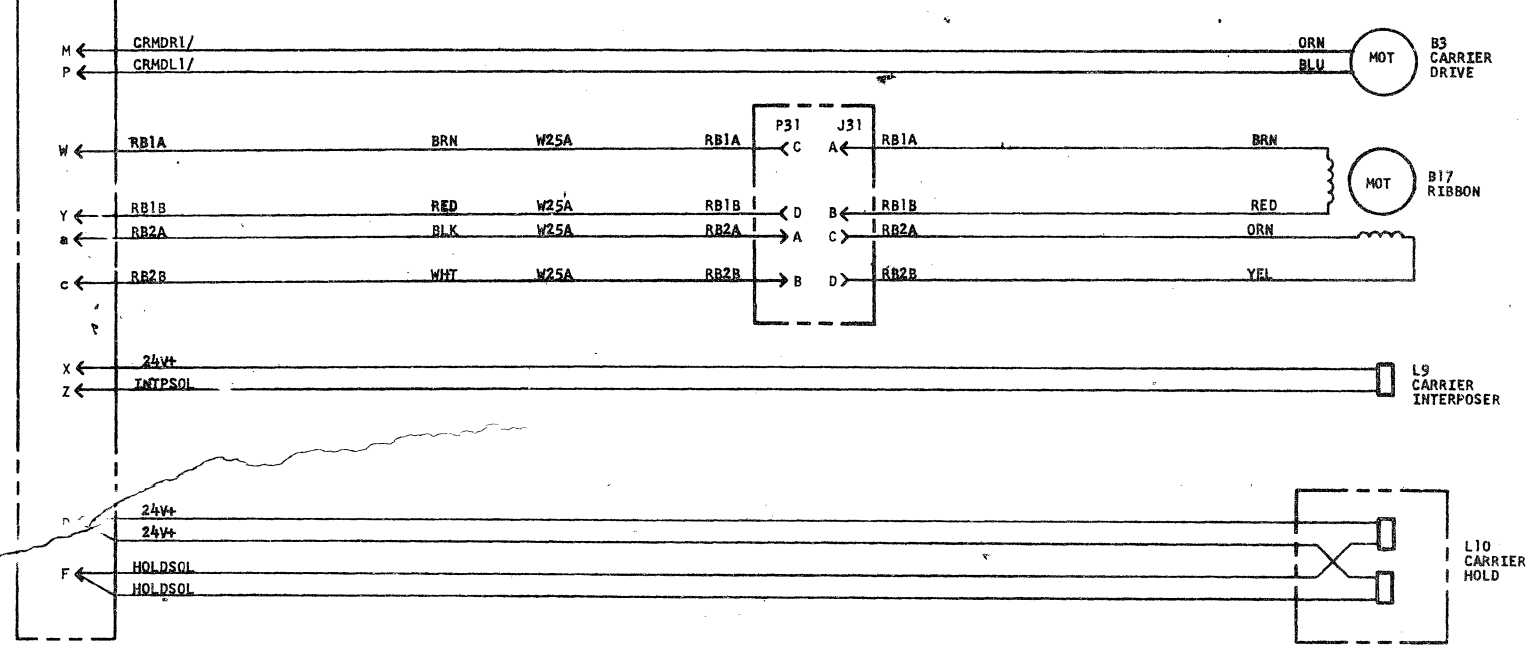
INPUT

SCHEMATIC

OUTPUT







NOTES:

1. HARNESS PART NUMBERS:
   - W21: 2476 2429
   - W24: 2479 0289
   - W25A: 2479 0297
   - W25B: 2479 0313
   - W1045: 2476 2387
2. JUMPER WIRE PART NUMBERS
   - W1011: 1472 6392
   - W1046 & W1047: 2476 2395
3. DASHED LINES INDICATES OPTIONAL WIRING
4. NAMES NOT IN PARENTHESIS ARE SYSTEM SIGNAL NAMES. NAMES IN PARENTHESIS ARE INTERRUPTED PATHS, ABBREVIATIONS OR OTHER INFORMATION
5. CODES USED FOR DENOTING COMPONENT PART NUMBERS ARE AS FOLLOWS:

TRANSISTORS	DIODES	LAMPS
A - 2470 5568	A - 1073 3202 B - 1088 8808	DS1 - 1527 4285

PAGE 1 OF 2

DWG. NO. 2479 1501

TITLE	WIRING SCHEMATIC, PCF TRANSDUCERS		
SYSTEM	L9000		DWG. NO. 2479 1501
DRAWN R. BELVILLE 1-23-75	CHECKED [illegible] 2-3-75 WIMSHIP 1-29-75		
APPROVED [illegible] 2-3-75	RELEASED 10-15-74	REV LETTER [illegible]	SHEET 1 OF 2

INPUT

SCHEMATIC

OUTPUT

J6
a OPDSW0
b OPDSWT
(EOPD 5)
S23
EOPD 5 & 6
(EOPD 5)
S24
EOPD 5
END OF PAPER DETECTION OPTION

A ADVLSOL
C 24V+
L11 LEFT FORMS ADVANCE

D OPNSOL
F 24V+
L12 FORMS OPEN

H CLOSOL
K 24V+
L13 FORMS CLOSED

P 24V+
U 24V+
W1011

J7
A ADVRSOL
B 24V+
L14 RIGHT FORMS ADVANCE

J8
L HDENG
N HDENGSW
S25 PRINT HEAD STATE

Y RTRGTSOL
c 24V+
L4 PRINT HEAD INSERT/RETRACT

DS1
V1
V FTULAMP
X FTULMPG
FORMS TIMING UNIT

R FTUE BRN
T FTUC RED

WIRING FOR STYLES WITHOUT PCF MOTOR ON/OFF CONTROL

J9
F (NEUT) W1045
L GPCFCH W1045
GRN/YEL
E28
PCF CHASSIS

TB110
C1 .1UF ±20% 600V
R1 100 ±5% 1/2W
W1046
W1047

K4 MOTOR START
B2 PCF MOTOR
N (LINE) YEL BLU
H GBPCF GRN/YEL MOT RED

RETROFIT INSTRUCTION FOR ON/OFF CONTROL
1. REMOVE RESISTOR R1 ON TB110
2. REMOVE W1047
3. CHANGE CONNECTION OF W1045
4. INSTALL W21

WIRING FOR STYLES WITH PCF MOTOR ON/OFF CONTROL

J9
F (NEUT) W1045
L GPCFCH W1045
GRN/YEL
E28
PCF CHASSIS

W21
C1 .1UF ±20% 600V
C1 IS PRESENT ON RETROFIT UNITS ONLY
TB110
W1046

K4 MOTOR START
B2 PCF MOTOR
N (LINE) YEL BLU
H GBPCF GRN/YEL MOT RED

Q2 START
Q1 RUN
HEAT SINK

A 24V+
D MOTDR

P27 6, P27 13, P27 15, P27 11, P27 17, P27 8

A14 .051UF ±10% 600V R14
A20 .051UF ±10% 600V R20
K25 *120 ±10% 2W A25
U9 *120 ±10% 2W H9
S6 *250 ±10% 2W G6
U3 *250 ±10% 2W H3

Y26
K5 MOTOR ON/OFF

PRINTED WIRING BOARD DECODER MOTOR CONTROL FOR ASSEMBLY SEE 2476 2411

*REPLACE WITH SAME TYPE "NON-FLAMABLE" FUSEABLE RESISTOR ONLY

K4

TB110 (WITH PCF MOTOR ON/OFF CONTROL)

TB110 (WITHOUT PCF MOTOR ON/OFF CONTROL)

(TOP VIEW) 7 PIN PRINTER PWB

Q1,Q2

PRINT HEAD ASSEMBLY

PAGE 2 OF 2

DWG. NO. 2479 1501

TITLE WIRING SCHEMATIC, PCF TRANSDUCERS
SYSTEM L9000
DRAWN DELVILLE 1-02-75
CHECKED R.A 2-3-75 WINSHIP 1-29-75
APPROVED
RELEASED 10-15-74
DWG. NO. 2479 1501
REV LETTER
PAGE 2 OF 2

SCHEMATIC

INPUT

OUTPUT

LSI1
STANDARD KEYBOARD CHIP 1
B8K8

XTAL 200 KHz ±1%
B7I9
B7J4
A7J2
B7K2 47PF ±2% 500V B1K2
B1J9 47PF ±2% 500V B7J9

A7M7 6200 A1M7 -12V
A7M5 6200 A1M5 -12V
A7M3 6200 A1M3 -12V
A7M9 6200 A7M9 -12V

B4U0 .01UF ±20% 50V B9U0
B9P4 C1P4 USED WHEN SPECIFIED ON RESPECTIVE MACHINE STYLE KEYBOARD PACKAGE(PL)

B9Q5 200 B9R1
B9Q2 .1UF ±20% 50V B9P6
C1Q5 200 C1R1
C1Q2 .1UF ±20% 50V C1P6
B4R7 2K C0R7
B4R5 2K C0R5
B6U3 .01UF ±20% 50V C1U3
B6U5 .01UF ±20% 50V C1U5

M2C5 A9P6 → SHIFT 2 → 4
M2C2 A9P6 → PARITY → 5
M2C0 A9P6 → INHIBITED STROBE → 6
M2C1 A9P6 → NON-INHIBITED STROBE → 7
64/94 → 16
KEYBOARD INHIBIT → 17
DOUBLE HEX → 18
REPEAT 1 → 19
REPEAT 2 → 20
M2C3 B5P6 → DATA 3 → 8
M2C2 B5P6 → DATA 4 → 9
M2C3 B7T1 → DATA 8 → 10
M2C3 B7T1 → DATA 1 → 11
M2C1 B7T1 → DATA 5 → 12
M2C0 B7T1 → DATA 6 → 13
M2C1 B5P6 → DATA 2 → 14
M2C0 B5P6 → DATA 7 → 15

All pull-ups: +5V A 6K B7S0 (pins 13, 12, 11, 10, 9, 8, 6, 5, 4, 3, 2)

B1M3 SEE NOTE 5 (pins 5, 7, 6, 12, 13, 1, 2, 3 to -12V)

SEE NOTE 4 (×8)

PROM B7N0

A3P8 A2P8 A2P6 A2P0 A4P0 A7P8 A4N7
4.47V
A2N8 56.2 ±1% A2N2
-12V

PART OF ASSY 2477 6098 ONLY (SEE NOTE 1)

NOT PART OF ASSEMBLIES
A7J7 A7J9 → 6
A9J7 A9J9 → 5

2 Z 14

3 +5V +5V
2 GRD
1 -12V -12V

CO-ORDINATE WITHIN THE LOGIC SYMBOL INDICATES THIS PIN OF PACKAGE (TYPICAL)

LSI1 pins: +5V 1, 51, 40, 39, GRD, 33, 27, 14, 26, -12V

SPARES
4 B1M3 SEE NOTE 5
8 B1M3 SEE NOTE 5
10 B1M3 SEE NOTE 5
9 B1M3 SEE NOTE 5
11 B1M3 SEE NOTE 5
-12V
+5V 6K B7S0 1

MSC: 1 +5V, 14, 7, 8
CR: 1, 14, 7, 8
A: 1, +5V OR -12V, 14, 7, 8
PROM: 24, +5V, 23, 22, 15, 14, 13, 12

TYPICAL PIN ORIENTATION WITH VOLTAGE AND GROUND CONNECTIONS.

NOTES:
1. FOR ASSEMBLY SEE:
   1.1 PROM CONSTRUCTION:

WITHOUT SWITCHES	WITH SWITCHES
2477 6098	2477 7932 (98 STA)
	2477 7930 (106 STA)

   1.2 NON-PROM CONSTRUCTION:

WITHOUT SWITCHES	WITH SWITCHES
2476 1157	2476 8491 (98 STA)
	2475 9169 (106 STA)

   1.3 FOR FINAL ASSEMBLY SEE RESPECTIVE MACHINE STYLE KEYBOARD PKG (PL)
2. CODES USED FOR DENOTING COMPONENT PART NUMBERS ARE AS FOLLOWS.

I.C.'S	RESISTOR PKG	DIODE PKG
LSI1-2475 9391 MSC -1447 3581 PROM=(SEE PL)	A-2472 8008	CR-1527 5290

CRYSTAL	TRANSISTORS	DIODES
XTAL-2473 7697	A-1471 4778 B-1471 4828	A-1474 4213 B-1477 3469

LAMP DSI-2472 7356

3. LAST DIGIT OF I.C. CODE INDICATES ITS ELEMENT NUMBER.
4. CIRCUITRY CUT WHERE INDICATED BY AN X (8 PLACES) ON ASSY 2477 6098 ONLY
5. FOR NON-PROM CONSTRUCTION USE 6K RESISTOR PACKAGE 2472 8008 AT LOCATION B1M3 PER ASSEMBLY 2476 1157
   FOR PROM CONSTRUCTION USE 12K RESISTOR PACKAGE 2472 7992 AT LOCATION B1M3 PER ASSEMBLY 2477 6098
6. AN ASTERISK (*) DESIGNATES DIODE PACKAGES IN PROGRAMABLE SOCKETS.

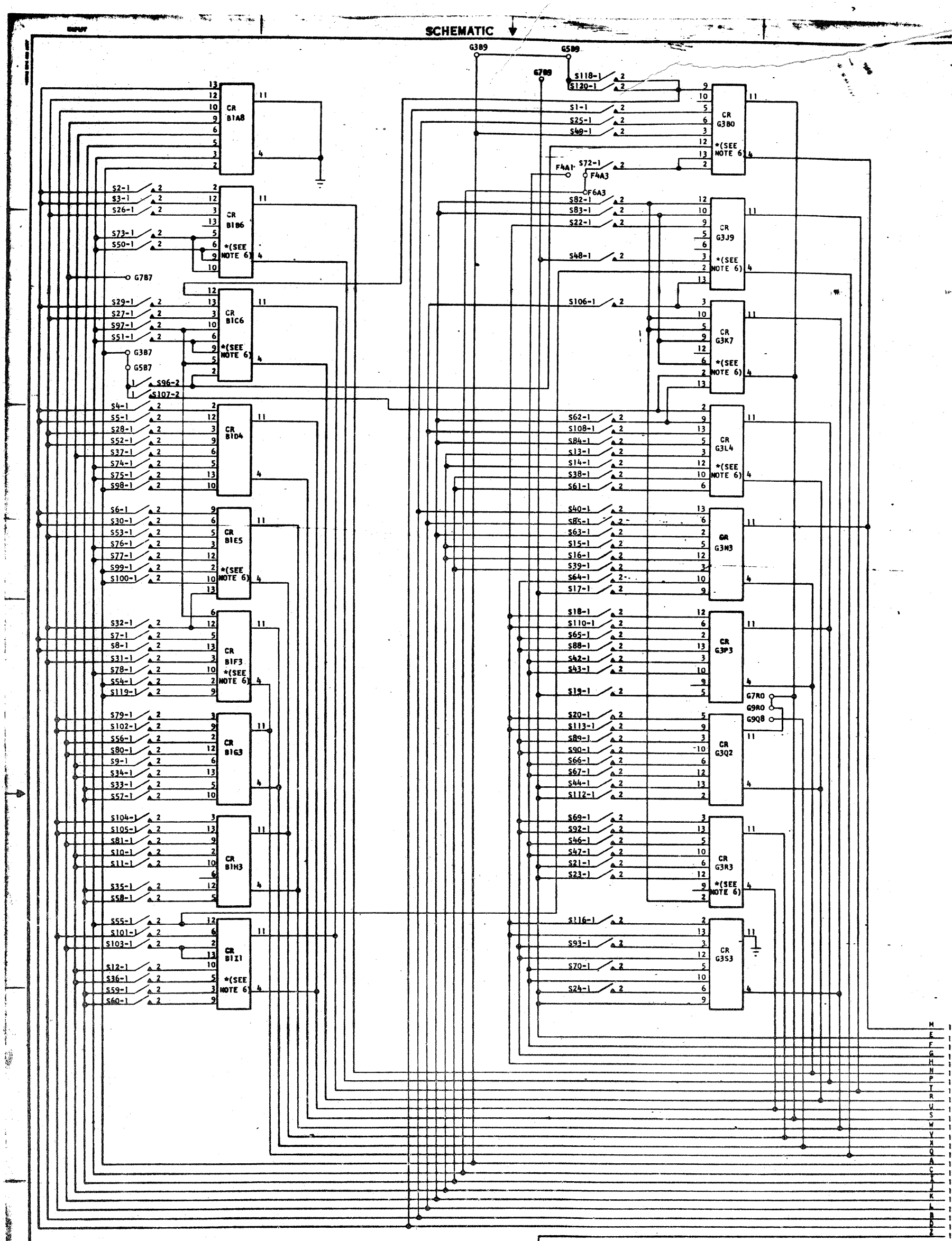
UNLESS OTHERWISE SPECIFIED:
ALL DISCRETE RESISTANCE VALUES ARE IN OHMS, ±5%, 1/2 W
ALL RESISTOR PKG RESISTANCE VALUES ARE IN OHMS, ±5%, 1/8 W

PAGE	E.C.O. DATE	REV
1	7-22-75	D
2	3-30-74	C
3	7-22-75	D

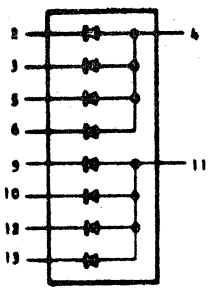
DWG NO 2475 6561
PAGE 1 OF 3

TITLE	SCHEMATIC, CARD, L6/L8 RS KBD
SYSTEM	
DRAWN	DELANY 10-11-73
CHECKED	RILEY 10-11-73
APPROVED	10-23-73
RELEASED	7-2-73
DWG NO.	2475 6561
REV LETTER	D
PAGE	1 OF 3

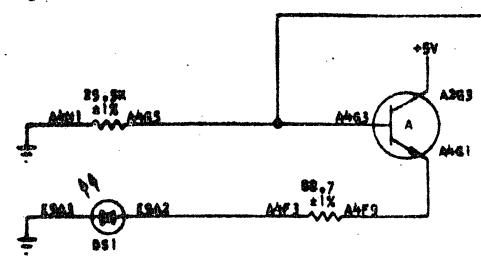
SCHEMATIC



SEE CHART PAGE 3



SCHEMATIC REPRESENTATION OF THE ABOVE DIODE PACKAGES



Burroughs Corporation	TITLE: SCHEMATIC, CARD, L6/L8 RS KBD
SYSTEMS M & E GROUP, PLYMOUTH, MICHIGAN 48170 — PLYMOUTH PLANT, U.S. AMERICA	SYSTEM
DRAWN: T. DELANY 10-18-73	CHECKED: J. RILEY 10-22-73
APPROVED: [illegible]	RELEASED: 11-3-73
	DWG. NO. 2473 6561
	REV LETTER: C
	PAGE: 3 OF 3

DWG. NO. 2473 6561
PAGE 3 OF 3

SW NO.	PIN NO.	KB	KA	DIODE PACK LOC.	SEE NOTES	LSI PART NO. 2475 9391 HEX-DEC CODE LC	UC
1	5	10	2	G3B0		14/0	12/0
2	2	8	2	B1B6		14/1	12/1
3	9	9	2	B1B6		14/2	12/2
4	2	0	2	B1D4		14/3	12/3
5	12	1	2	B1D4		14/4	12/4
6	9	3	2	B1E5		14/5	12/5
7	5	5	2	B1F3		14/6	12/6
8	13	4	2	B1F3		14/7	12/7
9	6	4	5	B1G3		14/8	12/8
10	2	3	5	B1H3		14/9	12/9
11	10	2	5	B1H3		14/10	12/10
12	10	6	5	B1I1		14/11	12/11
13	3	7	5	G3L4		14/12	12/12
14	12	8	5	G3L4		14/13	12/13
15	5	9	5	G3N3		14/14	12/14
16	12	10	5	G3N3		14/15	12/15
17	9	10	8	G3N3		15/0	13/0
18	12	8	10	G3P3		15/1	13/1
19	5	9	8	G3P3		15/2	13/2
20	5	7	10	G3Q2		15/3	13/3
21	6	1	8	G3R3		15/4	13/4
22	9	6	10	G3J9		15/5	13/5
23	12	2	8	G3R3		15/6	13/6
24	6	3	8	G3S3		15/7	13/7
25	6	10	1	G3B0		10/10	8/10
26	3	8	1	B1B6		3/1	2/1
27	3	7	1	B1C6		3/2	2/2
28	3	0	1	B1D4		3/3	2/3
29	13	6	2	B1C6		3/4	2/4
30	6	2	2	B1E5		3/5	2/5
31	3	5	1	B1F3		3/6	2/6
32	12	4	1	B1F3	F	3/7	2/7
32	13	3	1	B1E5	A,B,C,D,E	3/7	3/7
33	5	4	6	B1G3		3/8	2/8
34	13	5	5	B1G3		3/9	2/9
35	12	2	6	B1H3		3/0	5/15
36	5	1	5	B1I1		2/13	3/13
37	6	0	5	B1D4		7/14	5/14
38	10	8	6	G3L4		6/0	4/0
39	3	9	6	G3N3		10/14	8/14
40	13	10	1	G3N3		10/10	8/10
42	3	9	9	G3P3		11/7	9/7
43	10	8	9	G3P3		11/8	9/8
44	13	0	8	G3Q2		11/9	9/9
46	5	1	9	G3R3		10/11	8/11
47	10	2	9	G3R3		11/12	9/12
48	3	5	8	G3J9		11/14	9/14
49	3	10	4	G3B0		10/9	8/9
50	9	9	0	B1B6	B	7/1	5/1
50	6	8	0	B1B6	A,C,D,E	6/1	4/1
51	6	7	0	B1C6	B,C	7/7	5/7
51	9	6	0	B1C6	A,D,E	7/10	5/10
52	9	1	1	B1D4		6/5	4/5
53	5	2	1	B1E5		7/2	5/2
54	2	5	4	B1F3		7/4	5/4
55	2	5	0	G3J9	D	7/9	5/9
55	12	6	0	B1I1	A,B,C,E	7/10	5/10
56	2	4	7	B1G3		7/5	5/5
57	10	5	6	B1G3		6/9	4/9
58	5	3	6	B1H3		6/15	4/15
59	3	1	6	B1I1		7/0	5/0
60	9	6	6	B1I1		7/13	5/13
61	6	7	6	G3L4		3/11	2/11
62	9	8	7	G3L4	H	5/15	5/15
62	13	3	7	G3K7	A,B,C,D,E	0/8	1/8

SW NO.	PIN NO.	KB	KA	DIODE PACK LOC.	SEE NOTES	LSI PART NO. 2475 9391 HEX-DEC CODE LC	UC
63	2	9	7	G3N3		10/8	8/8
64	10	10	11	G3N3		11/15	9/15
65	2	9	11	G3P3		11/4	9/4
66	6	7	9	G3Q2		11/5	9/5
67	12	0	9	G3Q2		11/6	9/6
69	3	1	11	G3R3		11/12	9/12
70	5	3	9	G3S3		10/0	8/0
72	2	10	0	G3B0		SHIFT	LOCK 1
73	5	8	0	B1B6	B	6/1	4/1
73	10	9	0	B1B6	A,C,D,E	7/1	5/1
74	5	0	0	B1D4		7/3	5/3
75	13	1	0	B1D4		6/4	4/4
76	3	2	0	B1E5		6/6	4/6
77	12	3	0	B1E5		6/7	4/7
78	10	4	0	B1F3		6/8	4/8
79	3	4	3	B1G3		6/10	4/10
80	12	5	7	B1G3		6/11	4/11
81	9	2	7	B1H3		6/12	4/12
82	12	6	7	G3J9	B,C,E	7/12	5/12
82	2	1	7	G3R3	A, D,E	6/13	4/13
82	5	0	7	G3K7	A,B,C,D	7/11	5/11
83	6	0	7	G3K7	E	7/11	5/11
83	10	6	7	G3J9	A,B,C,D	7/12	5/12
84	5	7	7	G3L4		3/10	2/10
85	6	9	3	G3N3		10/4	8/4
88	13	8	11	G3P3		11/1	9/1
89	3	7	11	G3Q2		11/2	9/2
90	10	0	11	G3Q2		11/3	9/3
92	13	2	11	G3R3		10/1	8/1
93	3	3	11	G3S3		10/7	8/7
96	2	7	4	B1C6		SHIFT	1
97	10	6	0	B1C6	B,C,D	7/10	5/10
97	5	7	0	B1C6	A,D,E	7/7	5/7
97	6	5	0	B1F3	A,B,C,E	7/9	5/9
98	10	1	4	B1D4		7/8	5/8
99	2	2	4	B1E5		6/3	4/3
100	10	3	4	B1E5		7/6	5/6
101	6	1	3	B1I1		6/2	4/2
102	9	5	3	B1G3		6/14	4/14
103	2	1	7	B1I1	B,C	6/13	4/13
103	13	6	7	B1I1	A, D,E	7/12	5/12
104	3	3	3	B1H3		2/12	3/12
105	13	2	3	B1H3		2/14	3/14
106	13	6	3	G3J9	G	2/15	3/15
106	3	0	3	G3K7	A,B,C,D,E	3/15	3/15
107	2	7	4	G3L4		SHIFT	1
108	13	8	5	G3L4		10/2	8/2
110	6	9	10	G3P3		11/0	9/0
112	2	7	8	G3Q2		11/10	9/10
113	9	0	10	G3Q2		11/11	9/11
116	2	3	10	G3S3		10/3	8/3
118	12	6	4	B1C6		REPEAT	
119	9	4	4	B1E3	SPACE BAR	2/0	2/0
120	12	6	4	B1C6		REPEAT	

NOTES:

A. FOR DOMESTIC KEYBOARDS (CODE MAP 1) LIFT DIODE PIN NO. DESIGNATED.

B. FOR "CODE MAP 2" KEYBOARDS LIFT DIODE PIN NO. DESIGNATED.

C. FOR "CODE MAP 3" KEYBOARDS LIFT DIODE PIN NO. DESIGNATED.

D. FOR "CODE MAP 4" KEYBOARDS LIFT DIODE PIN NO. DESIGNATED.

E. FOR "CODE MAP 5" KEYBOARDS LIFT DIODE PIN NO. DESIGNATED.

F. TO GET 7 BIP CODE: B1F3-12 DIODE MUST BE LIFTED AND B1E5-13 DIODE INSERTED.

G. TO GET ? PIP CODE: G3J9-13 DIODE MUST BE LIFTED AND G3K7-3 DIODE INSERTED.

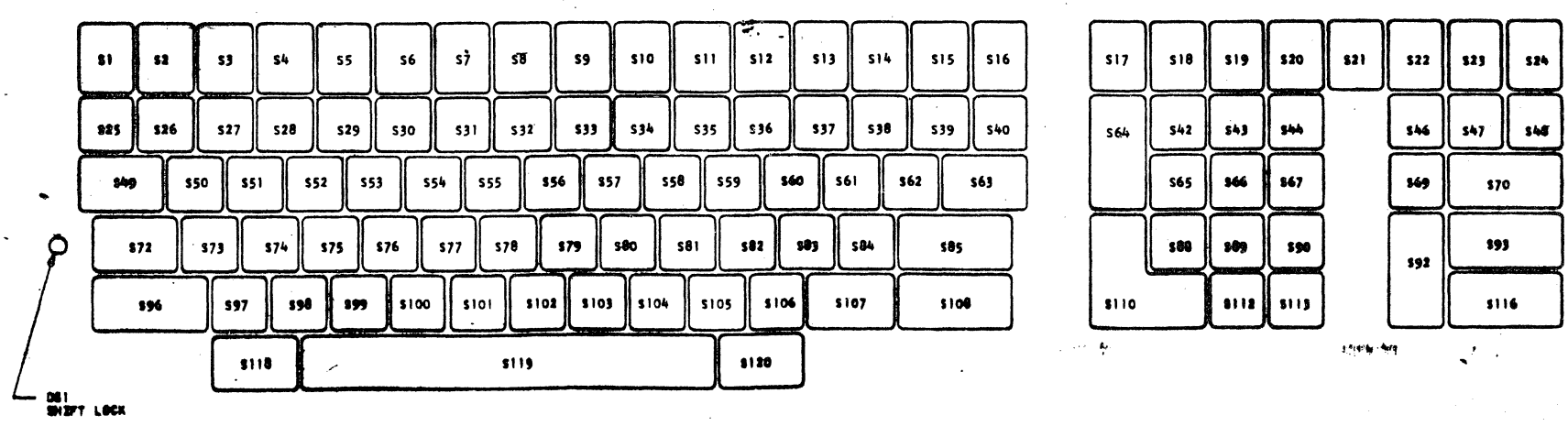
H. TO GET KATAKANA OR KATAKANA KAWASI CODE IN PLACE OF DOUBLE UNDERSCORE: G3L4-9 DIODE MUST BE LIFTED AND G3K7-13 DIODE INSERTED.

DIODES TO BE LIFTED TO ACCOMMODATE THE FOLLOWING CODE MAPS.

CODE MAP 1	CODE MAP 2	CODE MAP 3	CODE MAP 4	CODE MAP 5
B1E5-13	B1E5-13	B1E5-13	B1E5-13	B1E5-13
B1B6-6	B1B6-9	B1B6-6	B1B6-6	B1B6-6
B1C6-9	B1C6-6	B1C6-6	B1C6-9	B1C6-9
B1I1-12	B1I1-12	B1I1-12	G3J9-2	B1I1-12
G3K7-13	G3K7-13	G3K7-13	G3K7-13	G3K7-13
B1B6-10	B1B6-5	B1B6-10	B1B6-10	B1B6-10
G3K7-5	G3J9-12	G3K7-5	G3K7-5	G3R3-2
G3R3-2	G3K7-5	B1I1-2	G3R3-2	G3K7-6
G3J9-10	G3J9-10	G3J9-10	G3J9-10	B1C6-5
B1C6-5	B1C6-10	B1C6-10	B1C6-10	B1F3-6
B1F3-6	B1F3-6	B1F3-6	B1C6-5	B1I1-13
B1I1-13	B1I1-2	G3J9-12	B1I1-13	G3K7-3
G3K7-3	G3K7-3	G3K7-3	G3K7-3	G3B0-9
G3B0-9	G3B0-9	G3B0-9	G3B0-9	G3B0-12
G3B0-12	G3B0-12	G3B0-12	G3B0-12	G3B0-13
G3B0-13	G3B0-13	G3B0-13	G3B0-13	G3K7-2
G3K7-2	G3K7-2	G3K7-2	G3K7-2	G3K7-9
G3K7-9	G3K7-9	G3K7-9	G3K7-9	G3K7-10
G3K7-10	G3K7-10	G3K7-10	G3K7-10	G3J9-12

I. UNLESS OTHERWISE NOTIFIED; VENDOR TO LIFT DIODES PER CODE MAP 1.

J. KEYBOARD MUST BE CAPABLE OF PASSING THE TEST SPECIFIED IN 2477 2543.



DWG NO. 2475 6561
PAGE 3 OF 3

Burroughs Corporation
SYSTEMS M & E GROUP PLYMOUTH PLANT
PLYMOUTH, MICHIGAN 48170 U.S. AMERICA

TITLE	SCHEMATIC, CARD, L6/L8 RS KBD		
SYSTEM			DWG NO. 2475 6561
DRAWN DELANY 10-11-73	CHECKED T. RILEY 10-22-73		
APPROVED 10-23-73	RELEASED 7-2-73	REV LETTER B	PAGE 3 OF 3

INPUT

SCHEMATIC

OUTPUT

P46

20	SBFVRRL	
29	I1YD/	
30	IPYD/	
21	IA1D/	
22	IA2D/	
23	IA3D/	
24	IA4D/	
25	IA5D/	
26	IA6D/	
27	IA7D/	
28	IA8D/	
11	I81D/	
12	I82D/	
13	I83D/	
14	I84D/	
5	12V+1Q	
15	I85D/	
16	I86D/	
17	I87D/	
18	I88D/	
39	IERD/	
40	INUD/	
41	ID1D/	
42	ID2D/	
43	ID3D/	
44	ID4D/	
45	ID5D/	
46	ID6D/	
47	ID7D/	
48	ID8D/	
10	PWRONRL	
19	GRD	
6	GRD	
1	START/	
7	GRD	
2	RDYSW/	
8	(SPARE)	NOT USED
3	(SPARE)	
9	(SPARE)	
4	(SPARE)	

XDS1: DS1 DS2 DS3 DS4 DS5

XDS2: DS6 DS7 DS8 DS9 DS10 DS11 DS12 DS13 DS14 DS15 DS16 DS17

XDS3: DS18 DS19 DS20 DS21 DS22 DS23 DS24 DS25 DS26 DS27 DS28 DS29

S4 — POWER ON

S5 — READY

XDS3 XDS2 XDS1

KEYBOARD INDICATORS (CS)
WIRING SIDE

S4 & S5

NOTES:

1. SEE APPLICABLE SYSTEM SCHEMATIC FOR HARNESS PART NUMBER
2. NAMES IN PARENTHESIS ARE FOR INFORMATION ONLY.

ABBREVIATIONS:

ABBREVIATIONS USED IN THIS DOCUMENT INDICATE THE FOLLOWING:

(CS) - SHORT CONSOLE USED ONLY FOR MACHINE STYLES WITH 15 INCH PRINTER CARRIAGE

DWG NO 2479 5809
PAGE 1 OF 1

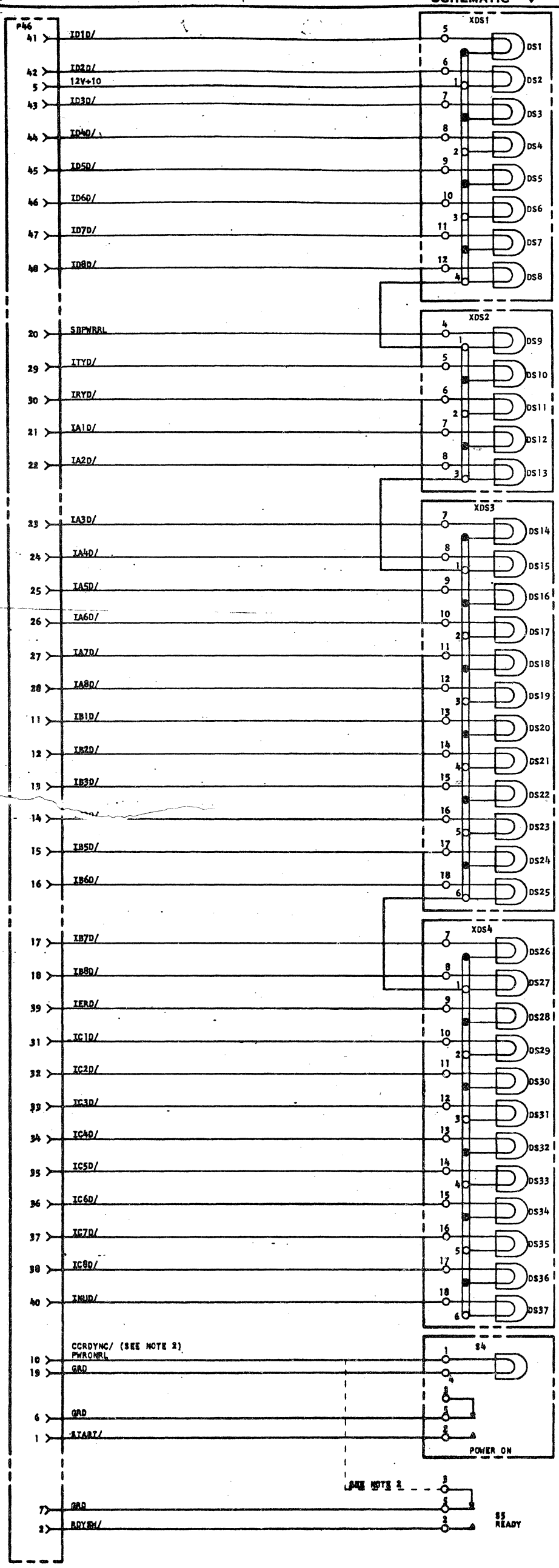
PAGE	E.R. DATE	REV
1		

TITLE WIRING SCHEMATIC, KEYBOARD INDICATORS (CS)
SYSTEM
DRAWN DELANT 5-20-75
CHECKED RB 6-13-75 JH 6-13-75
APPROVED 6-27-75
RELEASED 6-16-75
DWG NO 2479 5809
REV LETTER
PAGE 1 OF 1

INPUT

SCHEMATIC

OUTPUT



NOTES:

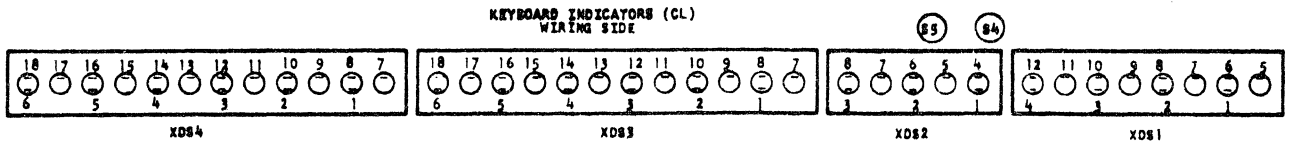
1. SEE APPLICABLE SYSTEM SCHEMATIC FOR HARNESS PART NUMBER
2. SIGNAL NAME (CCRDYNC/) AND DASHED LINE INDICATES ALTERNATE CONSTRUCTION FOR B9848 SYSTEMS.

ABBREVIATIONS:

ABBREVIATIONS USED IN THIS DOCUMENT INDICATE THE FOLLOWING:

(CL) - LONG CONSOLE USED ONLY FOR MACHINE STYLES WITH 26 INCH PRINTER CARRIAGE.

KEYBOARD INDICATORS (CL)
WIRING SIDE



PAGE	E.C.R. DATE	REV
1		

Burroughs Corporation

SMALL SYSTEMS GROUP PLYMOUTH PLANT
PLYMOUTH, MICHIGAN 48170 U.S.A.

TITLE WIRING SCHEMATIC, KEYBOARD INDICATORS (CL)

SYSTEM

DWG NO. 2479 5817

DRAWN DELANY 5-23-75

CHECKED JH 6-13-75

APPROVED 6-22-75

RELEASED 6-16-75

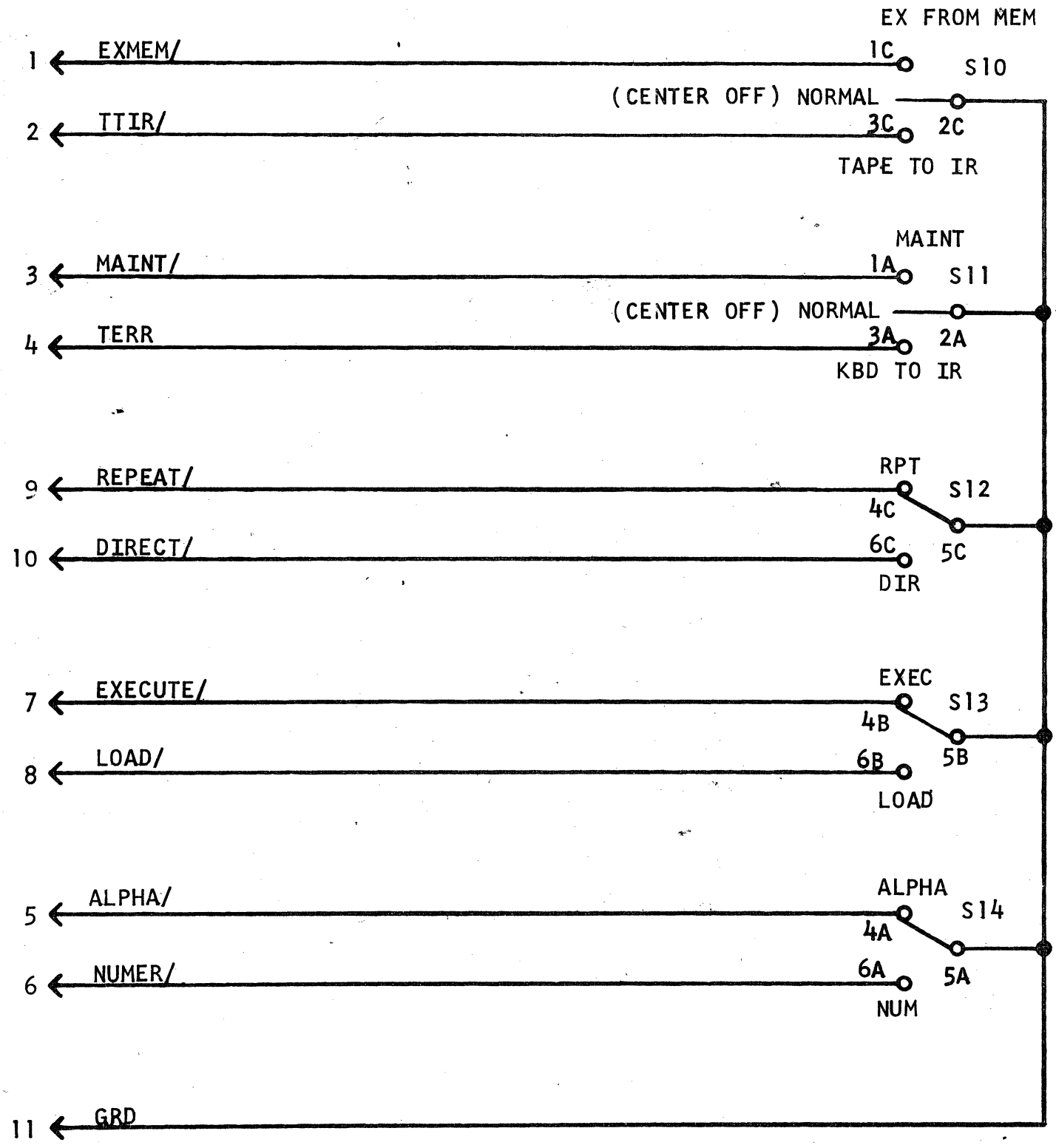
REV LETTER

PAGE 1 OF 1

DWG NO. 2479 5817

PAGE 1 OF 1

INPUT | SCHEMATIC ↓ | OUTPUT



NOTES:

1. FOR ASSEMBLY SEE 2479 3556 ER DATE 10-15-74
2. CODES USED FOR DENOTING COMPONENT PART NUMBERS ARE AS FOLLOWS:

   SWITCHES

   S10 & S11 - 2479 3739

   S12, S13 & S14 - 2479 6344

DWG. NO. 2479 8928
PAGE 1 OF 1

PAGE	ER DATE	REV
1		

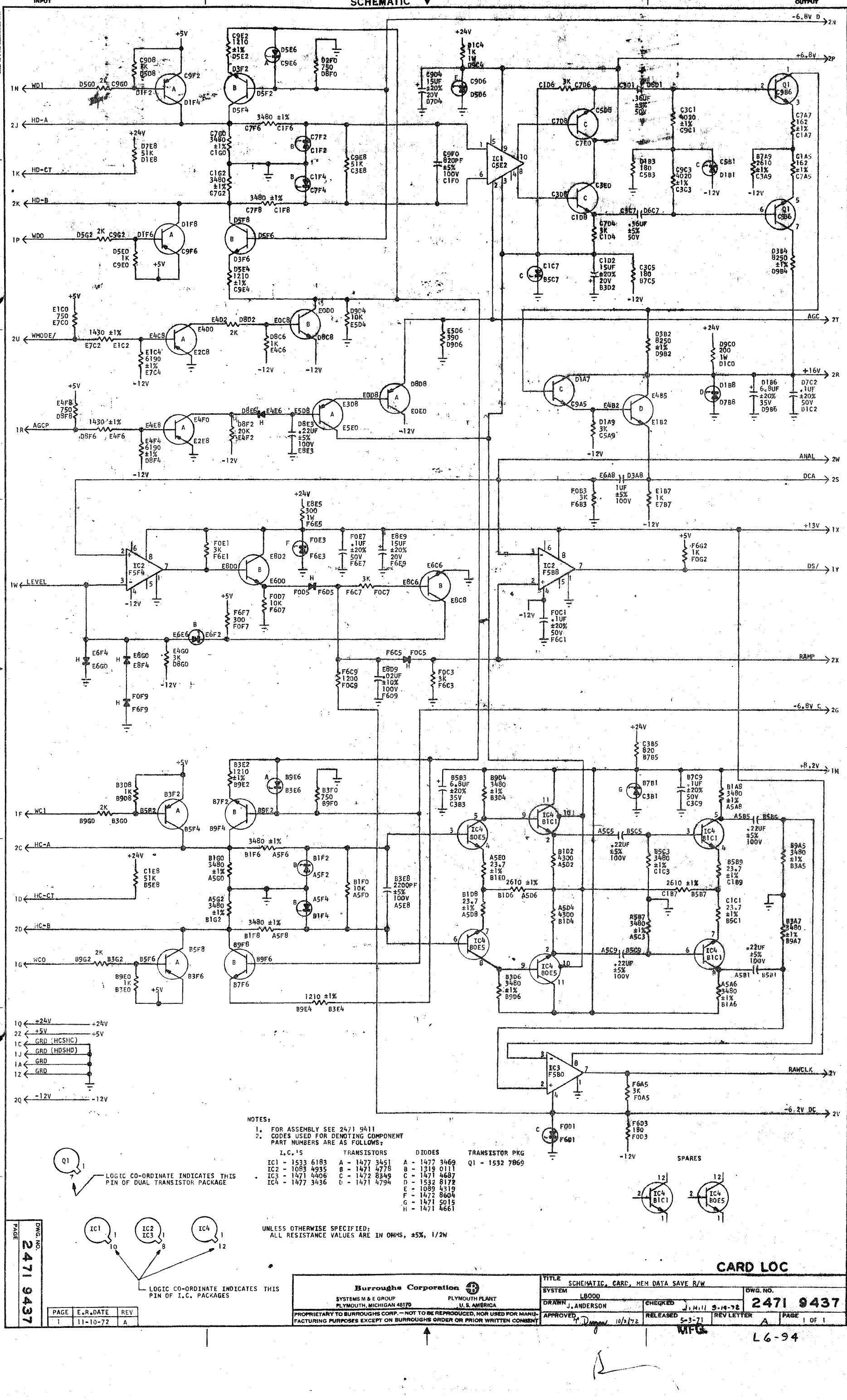
TITLE	SCHEMATIC, BOARD, M.T.R. (SWITCHES)		
SYSTEM			DWG. NO. 2479 8928
DRAWN BELVILLE 3-10-75	CHECKED J. Hill 3-31-75		
APPROVED 3-25-75	RELEASED 10-15-74	REV LETTER	PAGE 1 OF 1

MFG.

INPUT

SCHEMATIC

OUTPUT



NOTES:

1. FOR ASSEMBLY SEE 2471 9411
2. CODES USED FOR DENOTING COMPONENT PART NUMBERS ARE AS FOLLOWS:

I.C.'S	TRANSISTORS	DIODES	TRANSISTOR PKG
IC1 - 1533 6183	A - 1477 3451	A - 1477 3469	Q1 - 1532 7869
IC2 - 1083 4935	B - 1471 4778	B - 1319 0111	
IC3 - 1471 4406	C - 1472 8349	C - 1471 4687	
IC4 - 1477 3436	D - 1471 4794	D - 1532 8172	
		E - 1089 4319	
		F - 1472 8604	
		G - 1471 5015	
		H - 1471 4661	

Q1 — LOGIC CO-ORDINATE INDICATES THIS PIN OF DUAL TRANSISTOR PACKAGE

IC1, IC2 IC3, IC4 — LOGIC CO-ORDINATE INDICATES THIS PIN OF I.C. PACKAGES

SPARES: IC4 B1C1, IC4 B0E5

UNLESS OTHERWISE SPECIFIED:
ALL RESISTANCE VALUES ARE IN OHMS, ±5%, 1/2W

PAGE	E.R.DATE	REV
1	11-10-72	A

DWG. NO. 2471 9437 PAGE

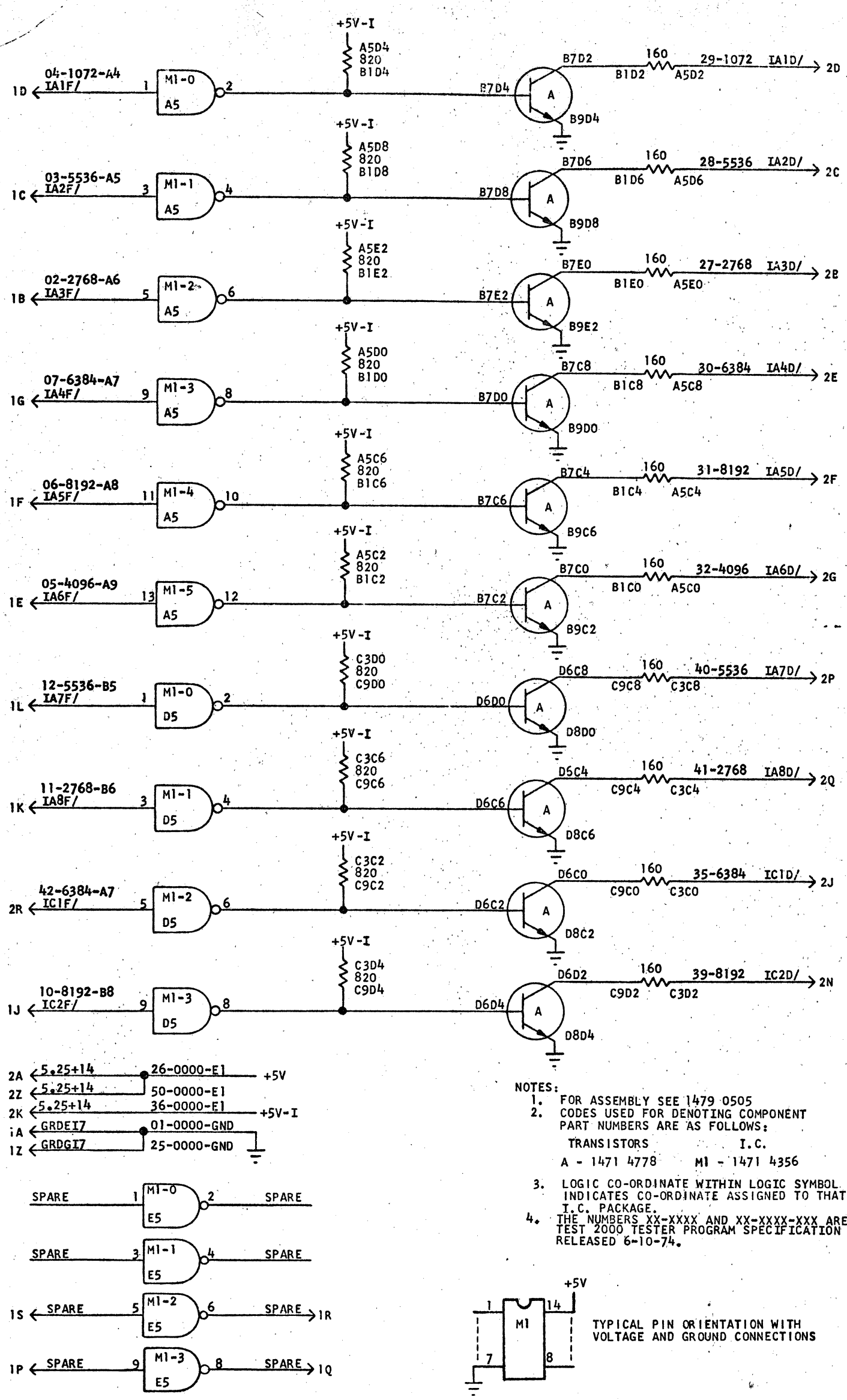
Burroughs Corporation
SYSTEMS M & E GROUP — PLYMOUTH PLANT
PLYMOUTH, MICHIGAN 48170 — U.S. AMERICA

TITLE: SCHEMATIC, CARD, MEM DATA SAVE R/W
SYSTEM: L8000
DWG. NO.: 2471 9437
DRAWN: J. ANDERSON
CHECKED: J. Hill 9-19-72
APPROVED: T. Dargon 10/2/72
RELEASED: 5-3-71
REV LETTER: A
PAGE: 1 OF 1

CARD LOC

WFG

L6-94



NOTES:

1. FOR ASSEMBLY SEE 1479 0505
2. CODES USED FOR DENOTING COMPONENT PART NUMBERS ARE AS FOLLOWS:

TRANSISTORS	I.C.
A - 1471 4778	M1 - 1471 4356

3. LOGIC CO-ORDINATE WITHIN LOGIC SYMBOL INDICATES CO-ORDINATE ASSIGNED TO THAT I.C. PACKAGE.
4. THE NUMBERS XX-XXXX AND XX-XXXX-XXX ARE FOR DATA TEST 2000 TESTER PROGRAM SPECIFICATION 2478 0215 RELEASED 6-10-74.

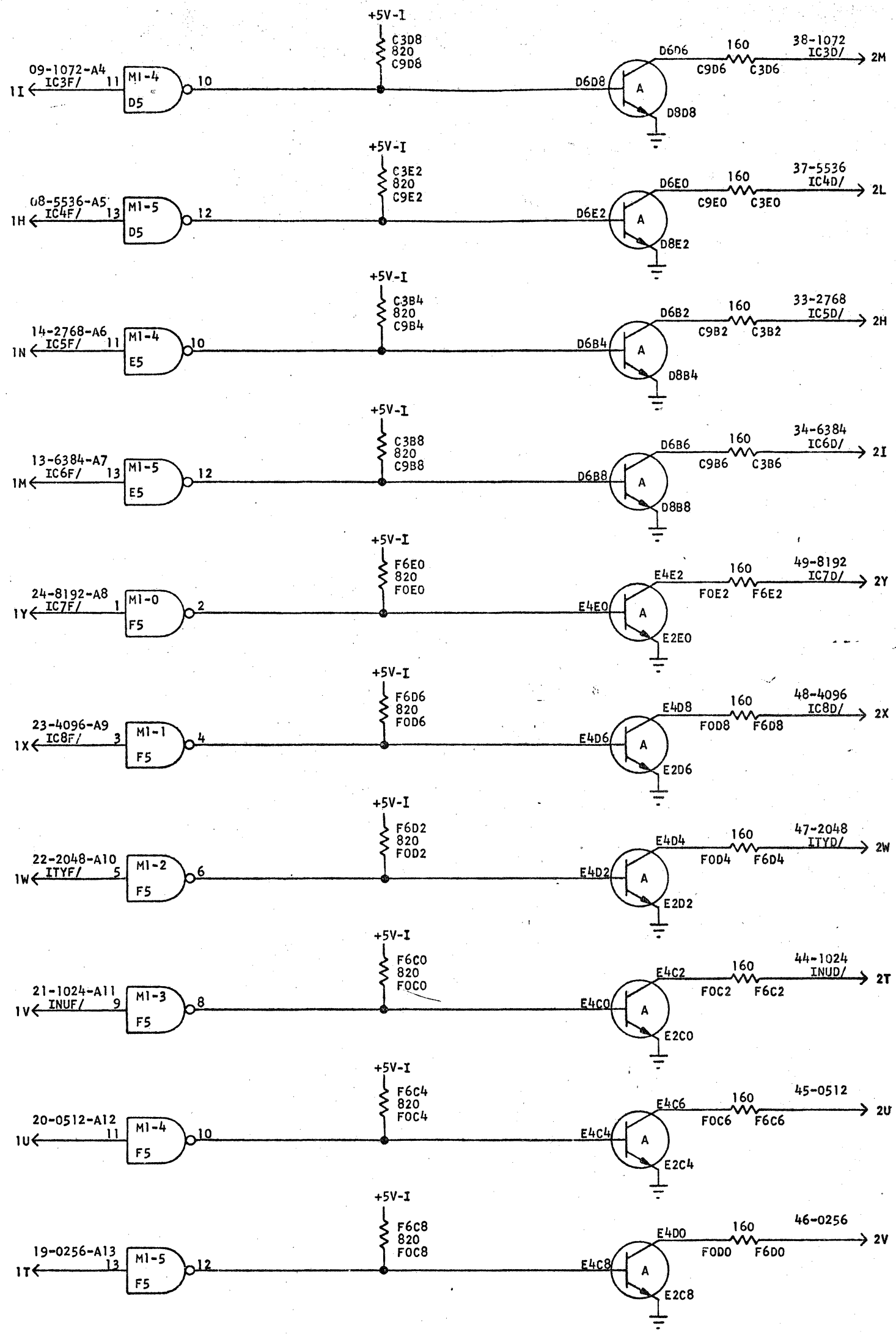
TYPICAL PIN ORIENTATION WITH VOLTAGE AND GROUND CONNECTIONS

UNLESS OTHERWISE SPECIFIED:
ALL RESISTANCE VALUES ARE IN OHMS ±5%, 1/2 WATT

DWG. NO. 2474 6406
PAGE 1 OF 2

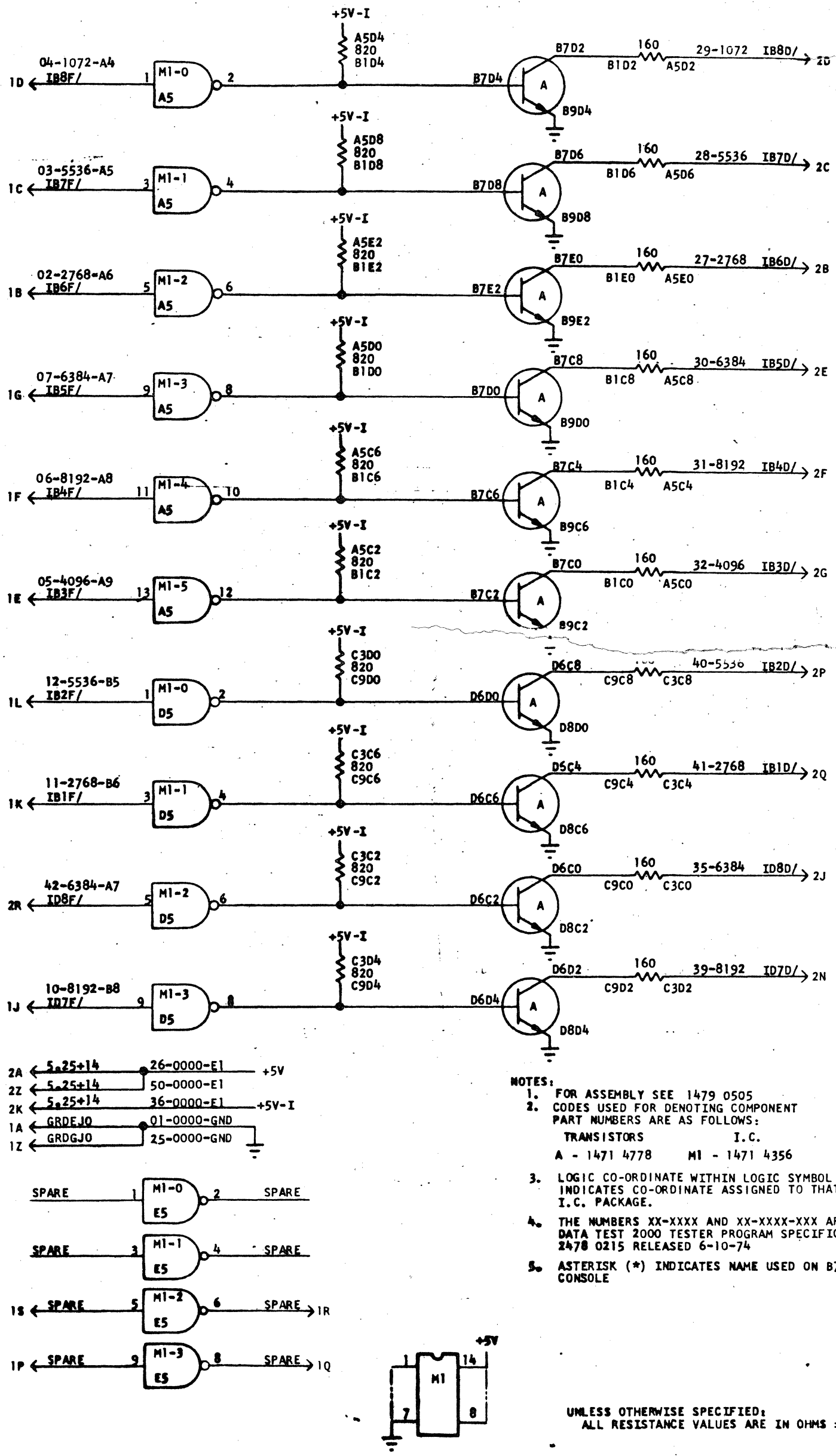
PAGE	E.R. DATE	REV
1	7-29-74	A
2	7-29-74	A

TITLE SCHEMATIC, BOARD, MOD II - INDICATOR DRIVER
SYSTEM
DWG. NO. 2474 6406
DRAWN GABOR 3-30-73
CHECKED [illegible] 3-31-73
APPROVED [illegible] 4-2-73
RELEASED 4-3-73
REV LETTER A
PAGE 1 OF 2



DWG. NO. 2474 6406
PAGE 2 OF 2

TITLE SCHEMATIC, BOARD, MOD II INDICATOR DRIVER
SYSTEM
DWG. NO. 2474 6406
DRAWN GABOR 3-30-73
CHECKED [illegible] 4-3-73
APPROVED
RELEASED 4-3-73
REV LETTER A
PAGE 2 OF 2



NOTES:

1. FOR ASSEMBLY SEE 1479 0505
2. CODES USED FOR DENOTING COMPONENT PART NUMBERS ARE AS FOLLOWS:

TRANSISTORS	I.C.
A - 1471 4778	M1 - 1471 4356

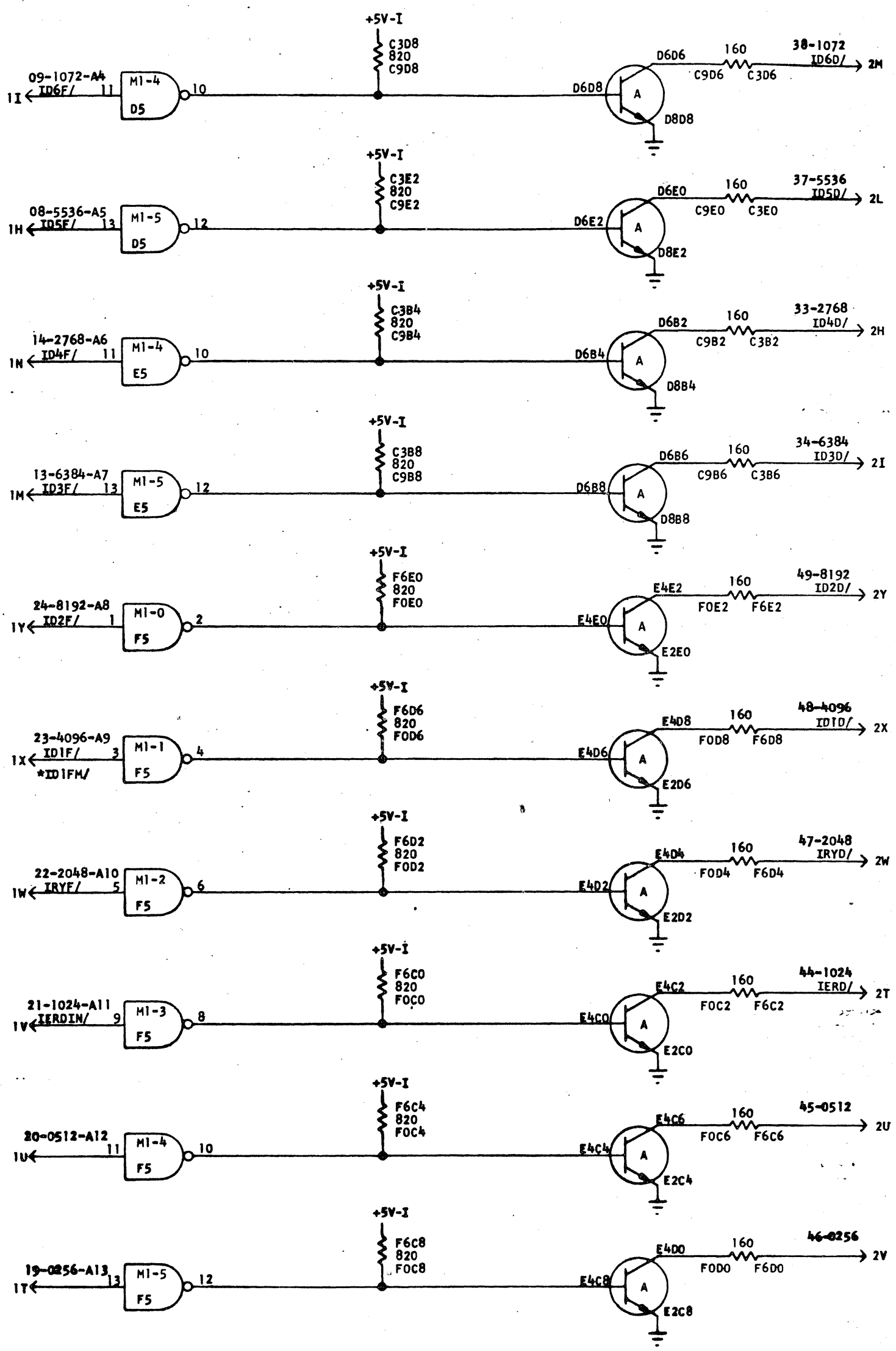
3. LOGIC CO-ORDINATE WITHIN LOGIC SYMBOL INDICATES CO-ORDINATE ASSIGNED TO THAT I.C. PACKAGE.
4. THE NUMBERS XX-XXXX AND XX-XXXX-XXX ARE FOR DATA TEST 2000 TESTER PROGRAM SPECIFICATION 2478 0215 RELEASED 6-10-74
5. ASTERISK (*) INDICATES NAME USED ON B700 60CPS CONSOLE

UNLESS OTHERWISE SPECIFIED:
ALL RESISTANCE VALUES ARE IN OHMS ±5%, 1/2 WATT

DWG NO 2474 6414
PAGE 1 OF 2

PAGE	E.R. DATE	REV
1	9-5-75	B
2	9-5-75	B

TITLE SCHEMATIC, BOARD, MOD II INDICATOR DRIVER
SYSTEM
DWG NO. 2474 6414
DRAWN GABOR 3-30-73
CHECKED J. Hull 4-3-73
APPROVED 4-2-73
RELEASED 4-3-73
REV LETTER B
PAGE 1 OF 2
MFG



SIZE A | DWG NO. 2474 6414 | REV | 2 OF 2

Burroughs Corporation
SYSTEMS M & E GROUP — PLYMOUTH PLANT
PLYMOUTH, MICHIGAN 48170 — U.S.A.

TITLE: SCHEMATIC, BOARD, MOD II INDICATOR DRIVER
SYSTEM:
DWG NO.: 2474 6414
DRAWN: GABOR 3-30-73
CHECKED: J. Hill 3-31-73
APPROVED:
RELEASED: 4-3-73
REV LETTER: B
PAGE: 2 OF 2

INPUT

SCHEMATIC

OUTPUT

C24VF+ · E0EC · E6E0 · E6D8 · E0D8 · E0D6 · E6D6 · E6C8 680 E0C8 · E0C2 2.7 E6C2 · D8B3 · D8B0 · D5B8 · E4B5 · E1B8 · E4B8 · E0D4 · E6D4 · E0D2 680 E6D2 · +24V · D2D4 10K D8D4 · E6D0 1K E0D0 · D8B8 · D5B8 · P4 · D8B5 · E9C8 · F5C8

2T ← RIGHT/ 13 M2C3 12 D3C8 11

2S ← LEFT/ 10 M2C2 9 D3C8 8 · +24V · D2D2 10K D8D2 · E4B3 · E0C6 1K E6C6 · E1B3 · Q4 · E9C2 · F5C2 · E4B0

CRDLA → 2Y · CRDRA → 1Y · CRDLB/ → 2X · Y4 · E9B6 · F5B6 · F5B8 · E9B8 · E9E4 · F5B4 · E9C0 3300 F5C0 · E9D6 .01uF ±20% 50V F5D6 · -12V

F5B2 1800 E9B2 · E6C0 1800 E0C0 · F9B0 3300 F5B0 · -12V

1800 F5C6 E9C6 · E0C4 1800 E6C4 · E9C4 3300 F5C4 · -12V

W4 · E9D2 · F5D2 · E9D4 · F5D4 · CRDRB/ → 1X · F5E0 · E9E0 · E3E2 · D7E2 · E9D0 · F5D0 · E9D8 3300 F5D8 · E9F6 .01uF ±20% 50V F5F6 · -12V

1E ← CRDRC/ · B1F8 51 A5F8

2E ← CRFBL2

1D ← CRDLC/ · B1G0 51 A5G0

+12V · E6F8 330 F2F8 · X4 · F5F0 6.2V E9F0 · F5F2 .1uF ±20% 50V E9F2 · F5E3 487 ±0.5% 1/4W E7E3 · 71.5 ±1% E7E6 F3E6 · 1K ±1% E3F2 D7F2 · E9E8 10 F5E8 · E3E6 71.5 ±1% D7E6

1W ← CRFBG

1V ← CRHICUR/ · M2C0 D3C8

+12V · IC1 D8F7 · D7F4 .001uF ±20% 50V E3F4 · D7F0 10 E3F0 · CRCURTP → 2W · D8F4 6.8uF ±20% 35V F6F4

+5V · D7E4 10K E3E4 · 1K ±1% D7E8 E3E8

2V ← CRFBL1

2R ← POR/C · M2C1 D3C8 · D2B6 750 ±1% C6B6 · C7B4 · D0B4 · A · C7B1 · POR/+5 · H4 · 110 ±1% D2B8 C6B8 · D2C0 6800 C6C0 · -12V

1R ← SDRENAB

1N ← 24V+5 · +24V

2L ← C24VF+ · C24VF+

2U ← +12V · +12V

E6G0 6.8uF ±20% 35V F4G0 · C1F8 6.8uF ±20% 35V B3F8 · B8C8 .1uF ±20% 50V B2C8 · B8E2 .1uF ±20% 50V B2E2 · B8F2 .1uF ±20% 50V B2F2

2A ← +5V · +5V

2Z ← +5V · D0A9 33uF ±20% 10V C2A9

1A ← GRD

1Z ← GRD · B3G0 6.8uF ±20% 35V C1G0

2H ← -12V · -12V

1F ← SPARE

1G ← SPARE

2G ← SPARE

1S ← SPARE

1T ← SPARE

1U ← SPARE

DECOUPLING CAPACITORS FOR TTL PACKAGES

POR/+5 · B8B0 .1uF ±20% 50V B2B0 · +5V · B0D9 .1uF ±20% 50V A4D9 · D1F6 .1uF ±20% 50V C5F6

CO-ORDINATE WITHIN THE LOGIC SYMBOL INDICATES THIS PIN OF PACKAGE

IC1 IC3 · IC2 · M2C

TYPICAL PIN ORIENTATION WITH VOLTAGE AND GROUND CONNECTIONS

SPARES

IC20 A6E8 · +5V · IC30 C6F3

NOTES:

1. FOR ASSEMBLY SEE 2477 7047 ER DATE 6-20-75
2. CODES USED FOR DENOTING COMPONENT PART NUMBERS ARE AS FOLLOWS:

TRANSISTORS	DIODES
A - 1471 4028	A - 1471 4737
B - 1473 4255	B - 1479 7997
C - 2473 3362	C - 1471 4687

I.C.'S

M2C - 1447 3581
IC1 - 1083 4935 (DIFF COMPARATOR)
IC2 - 2107 6302 (DUAL RETRIGGERABLE 1 SHOT)
IC3 - 2479 1253 (DUAL PUS NOR PERIPHERAL DR)

3. LAST DIGIT OF I.C. CODE INDICATES ITS ELEMENT NUMBER

UNLESS OTHERWISE SPECIFIED:
ALL RESISTANCE VALUES ARE IN OHMS, ±5%, 1/2W

CARD LOC

PAGE 1 OF 2 · DWG NO. 2477 7054

PAGE	E.C.N. DATE	REV
1	-20-75	-
2	-20-75	D

Burroughs Corporation

SYSTEMS M & E GROUP · PLYMOUTH PLANT · PLYMOUTH, MICHIGAN 48170 · AMERICA

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

TITLE SCHEMATIC, BOARD, CARRIER DRIVER

SYSTEM

DRAWN EN 6-14-74 · CHECKED

APPROVED · RELEASED 7-15-74 · REV LETTER D · PAGE 1 OF 2

DWG NO. 2477 7054

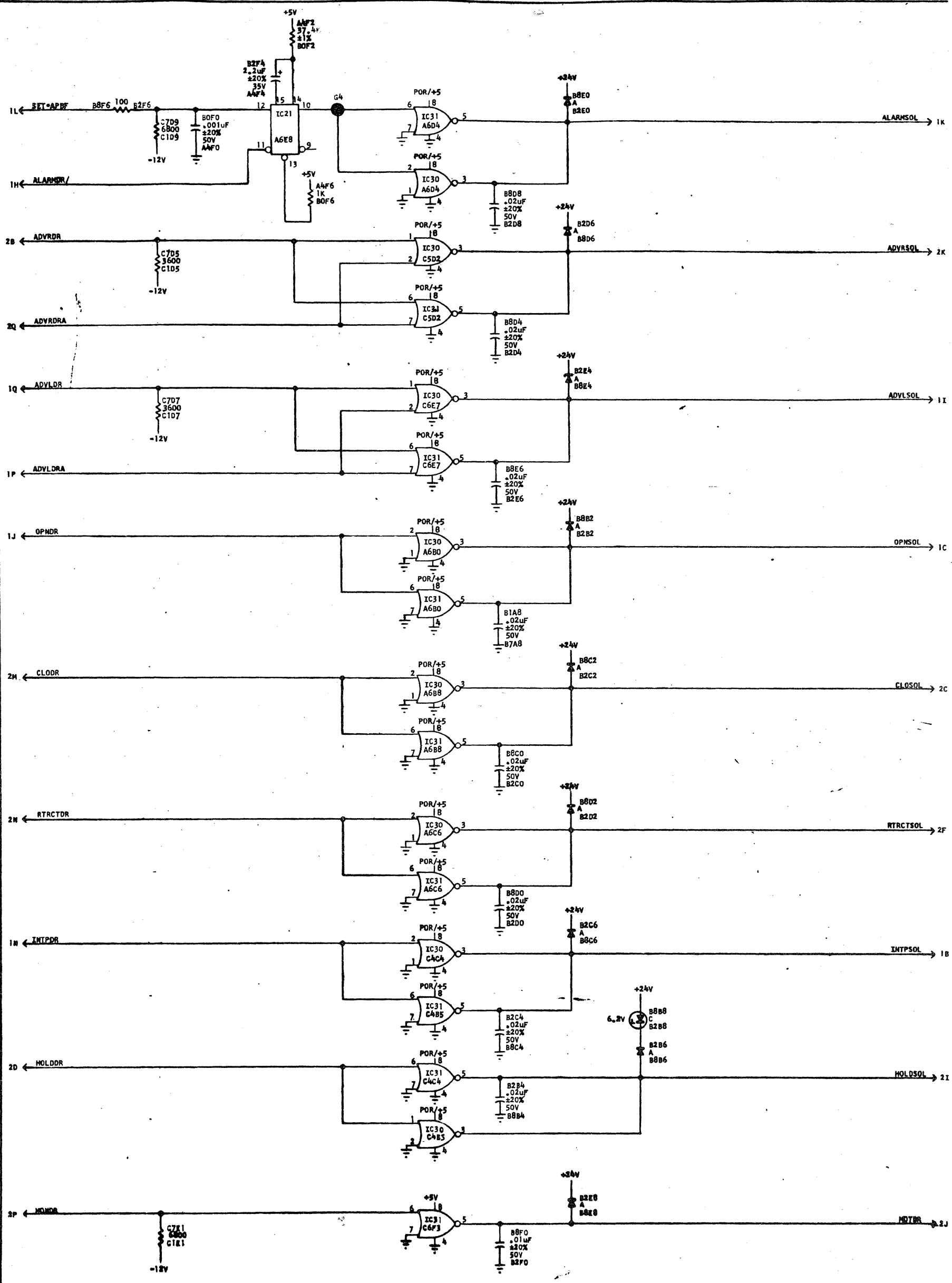
LAID FOR LAYOUT RB 10-9-74

L-140

INPUT

SCHEMATIC

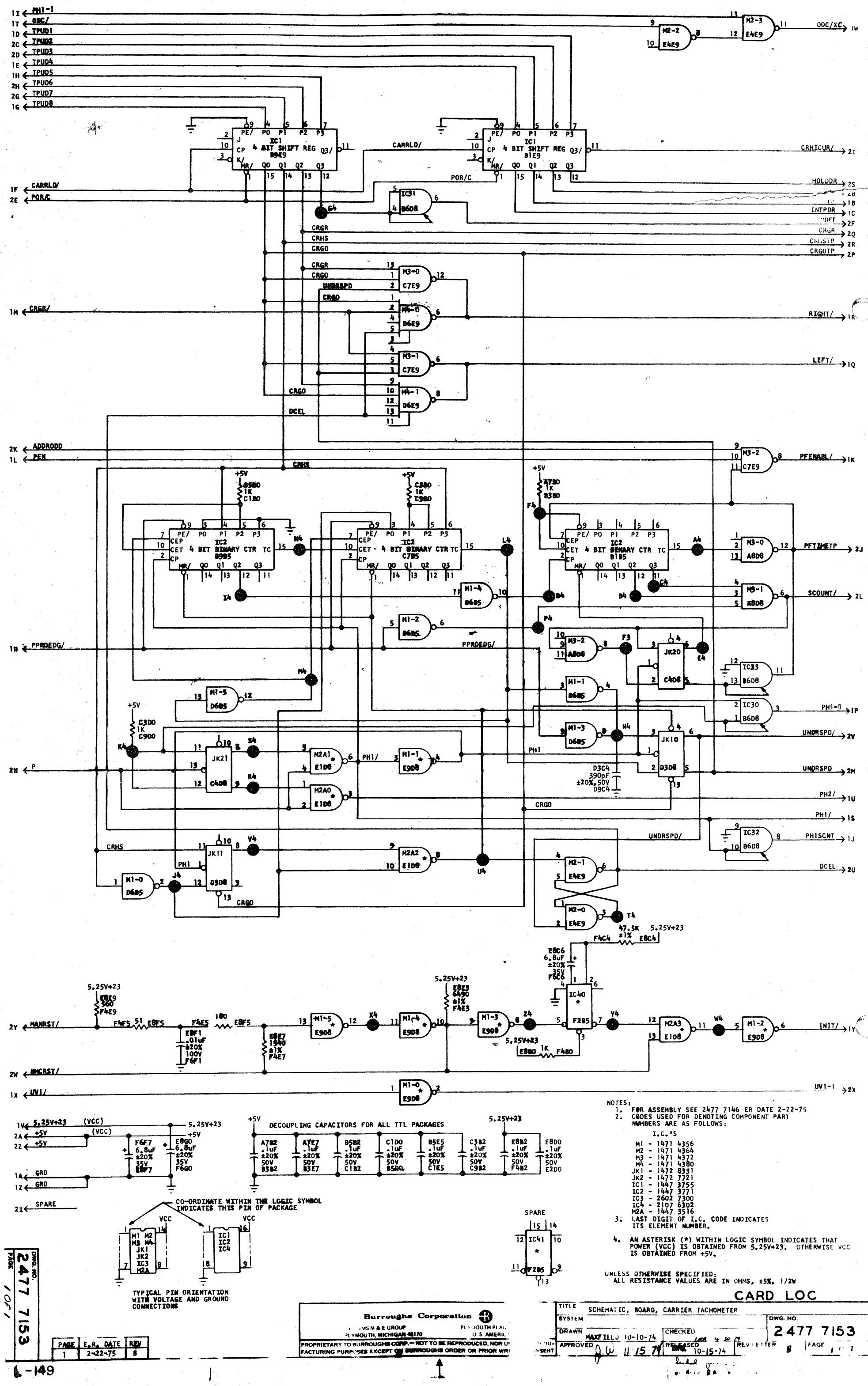
OUTPUT



DWG. NO. 2477 7054
PAGE 2 OF 2

Burroughs Corporation
SYSTEMS M & E GROUP PLYMOUTH PLANT
PLYMOUTH, MICHIGAN 48170 U.S.A.

TITLE SCHEMATIC, BOARD, CARRIER DRIVER			
SYSTEM			DWG NO. 2477 7054
DRAWN MAXFIELD 10-4-74	CHECKED		
APPROVED	RELEASED 10-15-74	REV LETTER D	PAGE 2 OF 2



NOTES:
1. FOR ASSEMBLY SEE 2477 7146 ER DATE 2-22-75
2. CODES USED FOR DENOTING COMPONENT PART NUMBERS ARE AS FOLLOWS:

I.C.'S

M1	1471 4356
M2	1471 4364
M3	1471 4372
M4	1471 4380
JK1	1472 8391
JK2	1472 7721
IC1	1447 3755
IC2	1447 3771
IC3	2602 7300
IC4	2107 6302
M2A	1447 3516

3. LAST DIGIT OF I.C. CODE INDICATES ITS ELEMENT NUMBER.
4. AN ASTERISK (*) WITHIN LOGIC SYMBOL INDICATES THAT POWER (VCC) IS OBTAINED FROM 5.25V+23. OTHERWISE VCC IS OBTAINED FROM +5V.

UNLESS OTHERWISE SPECIFIED:
ALL RESISTANCE VALUES ARE IN OHMS, ±5%, 1/2W

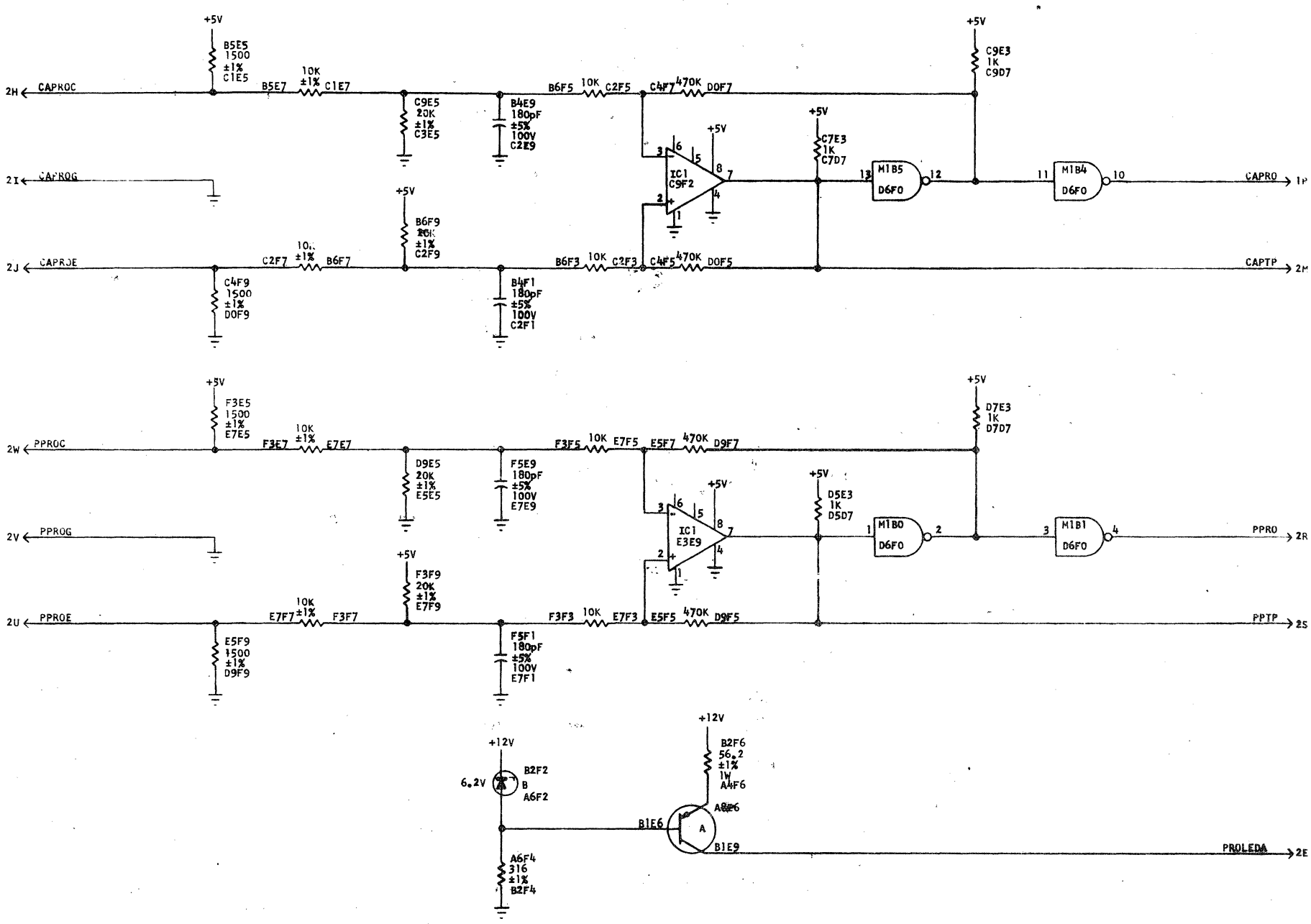
CARD LOC

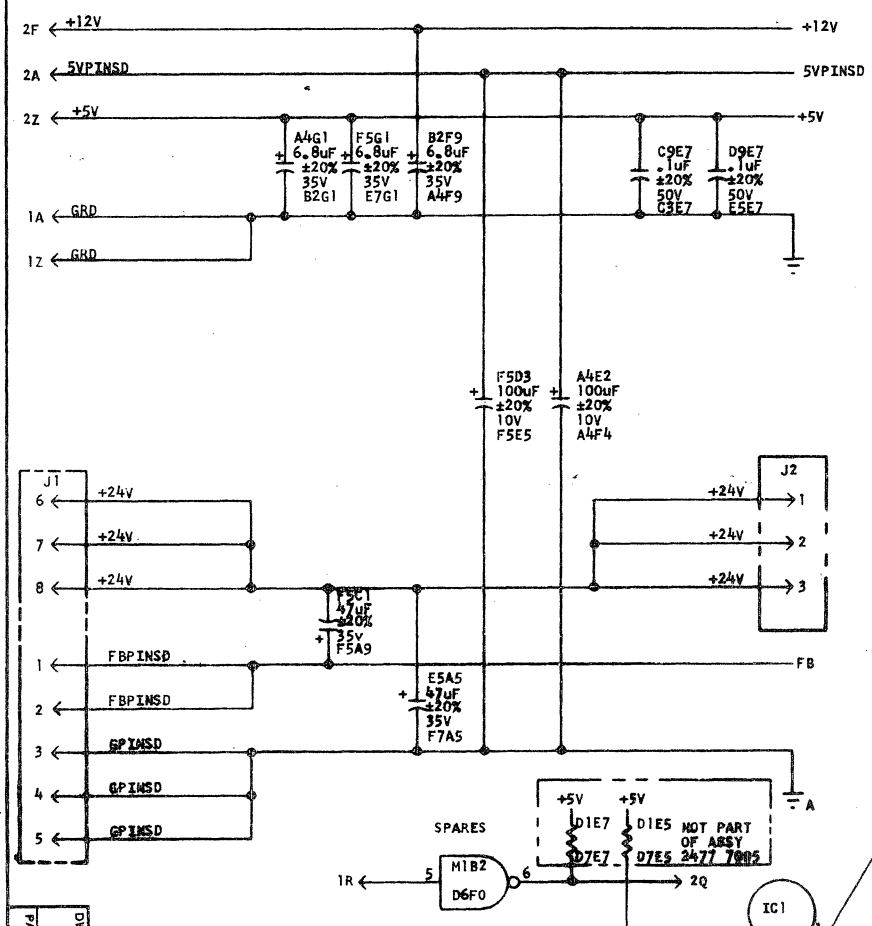
TITLE	SCHEMATIC, BOARD, CARRIER TACHOMETER	
SYSTEM		DWG. NO. 2477 7153
DRAWN	MAXFIELD 10-10-74	CHECKED
APPROVED	11-15-74	RELEASED 10-15-74
		REVISER B

PAGE 1 OF 1

PAGE	E.R.	DATE	REV
1		2-22-75	B

INPUT — SCHEMATIC ↓ — OUTPUT





NOTES:

1. FOR ASSEMBLY SEE 2477 7005 ER DATE 2-28-75
2. CODES USED FOR DENOTING COMPONENT PART NUMBERS ARE AS FOLLOWS:

I.C.'S	TRANSISTORS	DIODES
M1B - 2470 1732	A - 1471 4828	A - 2479 6351
IC1 - 1083 4935	B - 2475 3956	B - 1479 7997

3. LAST DIGIT OF I.C. CODE INDICATES ITS ELEMENT NUMBER.

UNLESS OTHERWISE SPECIFIED:
ALL RESISTANCE VALUES ARE IN OHMS, ±5%, 1/2W

CARD LOC

PAGE	E.R. DATE	REV
1	2-28-75	B
2	1-30-75	A

Burroughs Corporation
SYSTEMS M & E GROUP — PLYMOUTH PLANT
PLYMOUTH, MICHIGAN 48170 — U.S. AMERICA

TITLE: SCHEMATIC, BOARD, SOLENOID DRIVER 60 CPS
SYSTEM
DWG. NO. 2477 7013
DRAWN MAXFIELD 10-16-74
CHECKED TR 10-31-74
APPROVED Tom 11-15-74
RELEASED 10-15-74
REV LETTER B
PAGE 1 OF 2

CHECKED FOR LAYOUT

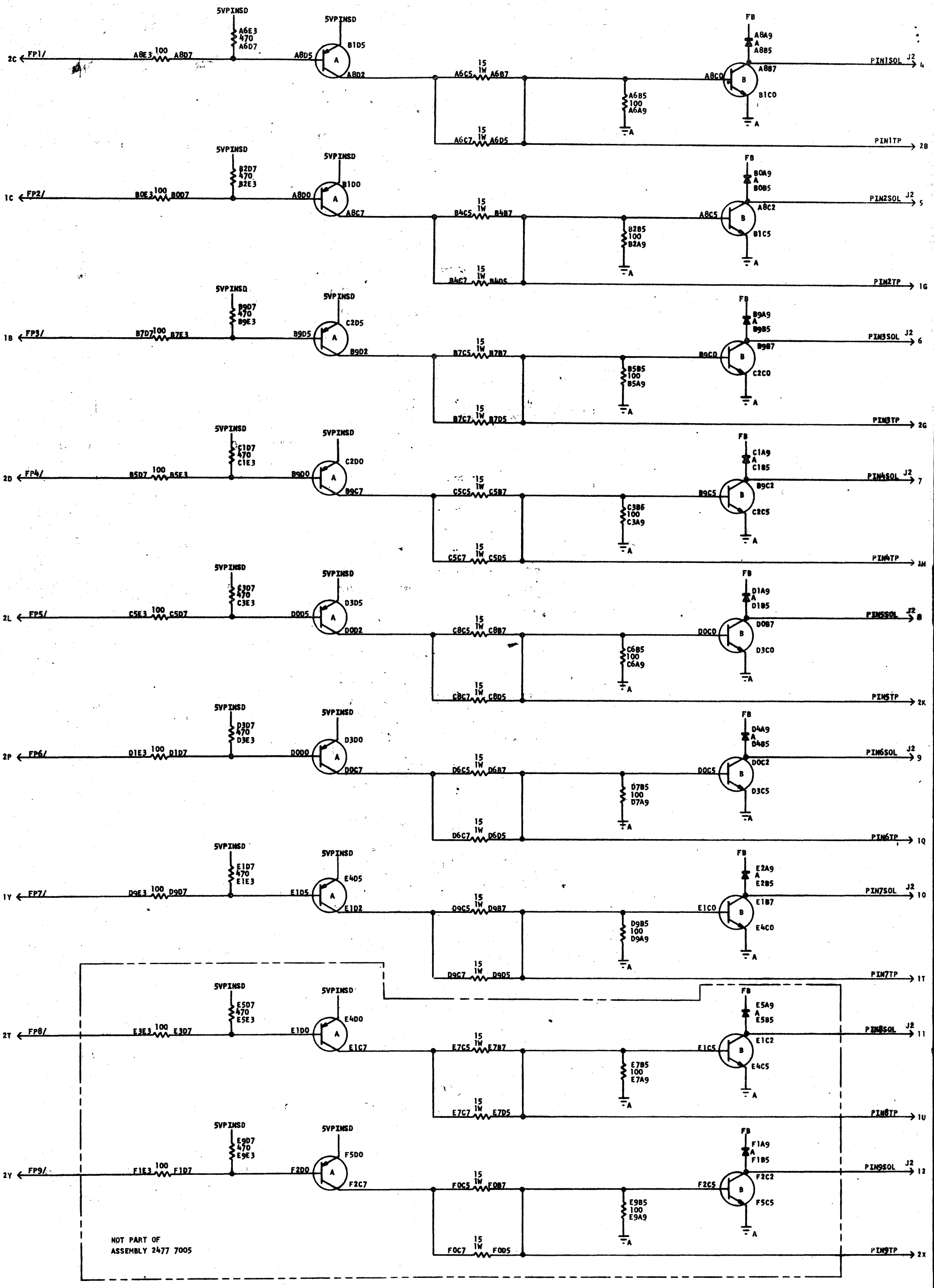
DWG. NO. 2477 7013 PAGE 1 OF 2

L-143

INPUT

SCHEMATIC

OUTPUT



DWG. NO. 2477 7013
PAGE 2 OF 2

Burroughs Corporation

SYSTEMS M & E GROUP
PLYMOUTH, MICHIGAN 48170

PLYMOUTH PLANT
U. S. AMERICA

TITLE: SCHEMATIC, BOARD, SOLENOID DRIVER 60 CPS			
SYSTEM			DWG. NO. 2477 7013
DRAWN: DELANY 10-16-74	CHECKED: TA 10-21-74		
APPROVED	RELEASED: 10-15-74	REV LETTER: A	PAGE: 2 OF 2

INPUT

SCHEMATIC

OUTPUT

1I ← PFENABL/
1M ← POR/C
2S ← PIB
2U ← TPUD7
1V ← TPUD8
2V ← TPUD4
2W ← TPUD5
1S ← PRTRLD/
1W ← POR/C
2Y ← TPUD6
1X ← TPUD3
2X ← TPUD2
1Y ← TPUD1
E2E4 (SEE NOTE 4) D6E4
D6E2 (SEE NOTE 5) E2E2
1R ← CRGR
1T ← PH1SCNT
2L ← SCOUNT/
2P ← CAPRO
2J ← UND
TPUD4
2E ← FMSLD/
2A ← +5V
2Z ← +5V
1A ← GRD
1Z ← GRD
2T ← -12V
1E ← LDF/
1C ← C3/
2C ← C7/
MMRLA
1J ← FTUFF
1B ← ILC/KB
2B ← PCFIDLE
2F ← ACTF-2
1G ← C5/
1F ← C6/
2H ← MMRLA ONEDGE(TU)
1U ← SPARE

IC3 CP 4 BIT SHIFT REG E5F7
IC3 CP 4 BIT SHIFT REG F2F7
IC22 C9F7
IC20 C9F7
IC21 C9F7
IC23 C9F7
IC1 UP-DOWN BINARY CTR D6F7
IC4 4 BIT BINARY CTR TC B3B7
IC4 4 BIT BINARY CTR TC A6B7
LSI1 ROM E2B1
LSI2 ROM D6E0
IC5 ROM F2B7
ENABLEG

M1-3 A6F7
M1-5 B3E3
M1R4 C1F7
M1R1 C1F7
M1R2 C1F7
M1R0 C1F7
M1R5 C1F7
M1R3 C1F7
M2-2 B3F7
M2-3 B3F7
M2-0 B3F7
M1-5 A6F7
M1-0 A6F7
M1-1 A6F7
M1-2 A6F7
M3-0 A6E3
M3-2 A6E3
M1-0 B3E3
M1-1 B3E3
M1-3 B3E3
M1-4 B3E3
M3-1 A6E3
M5-1 C9E3
M5-0 C9E3
M5-1 C1E3
M5-0 C1E3
M5-1 C1D2
M5-0 C1D2
M5-1 B3D2
M5-0 B3D2
M5-1 C1B7
M5-0 C1B7

PD1 PD2 PD3 PD4 PD5 PD6 PD7 PD8 PD9
FP1 → 1Q
FP2/ → 1P
FP3/ → 2M
FP4/ → 2K
FP5/ → 1N
FP6/ → 1K
FP7/ → 2I
FP8/ → 1H
FP9/ → 2N
ADDRODD → 2Q
CRGR/ → 1L
UNDSCOR/ → 2R
MMRLA → 1D
MOFFTIM → 2G
RTRCTIM/ → 2D
BOD4 (SEE NOTE 6) A4D4

PART OF ASSY 2479 6633 ONLY

+5V
715
F2C7
A4B9 1K B0B9
E9B9
F5B9
(SEE NOTE 4)

B0G0 750 B6G0
E0F9 750 D4F9
B0E9 750 B6E9
M2-2 B3F7
M2-3 B3F7
U3
V3
W4
L4
M4
N3
H3

A5E7 6.8uF ±20% 35V B3E7
F3E4 6.8uF ±20% 35V E5E4

DECOUPLING CAPACITORS FOR ALL TTL PACKAGES
F4G0 .1uF ±20% 50V F8G0
E2E7 .1uF ±20% 50V D6E7
F5A8 .1uF ±20% 50V E9A8
B2A7 .1uF ±20% 50V A6A7
B9C0 .1uF ±20% 50V B3C0

SPARES

TYPICAL PIN ORIENTATION WITH VOLTAGE AND GROUND CONNECTIONS
M1 M2 M3 M5 IC2 M1R
A RES PACK
IC1 IC3 IC4 IC5
LSI1 LSI2

CO-ORDINATE WITHIN THE LOGIC SYMBOL INDICATES THIS PIN OF PACKAGE

NOTES:
1. FOR ASSEMBLY SEE 2477 7096 E.R. DATE 2-22-75
   FOR ASSEMBLY SEE 2479 6633 E.R. DATE 10-15-74
   FOR FINAL ASSEMBLY (PL) SEE CHARACTER GENERATOR SELECTION CHART 2479 5635 (L9000 60CPS)
   FOR FINAL ASSEMBLY SEE 1538 1767(PL) TU1700 DOMESTIC
   FOR FINAL ASSEMBLY SEE 1538 1841(PL) TU1700 KATAKANA
   FOR FINAL ASSEMBLY SEE 1538 1858(PL) TU1700 KAWASE
2. CODES USED FOR DENOTING COMPONENT PART NUMBERS ARE AS FOLLOWS:
   I.C.'S: M1R - 1479 0224; M1 - 1471 4356; M2 - 1471 4364; M3 - 1471 4372; M5 - 1471 4398; IC1 - 1073 2774; IC2 - 1084 7077; IC3 - 1447 3755; IC4 - 1447 3771; IC5 - 2479 1311; LSI1 - SEE (PL); LSI2 - SEE (PL)
   RESISTOR PKG: A - 2472 5111
3. LAST DIGIT OF I.C. CODE INDICATES ITS ELEMENT NUMBER
4. FOR 7 NEEDLE PRINTERS ONLY
5. FOR 9 NEEDLE PRINTERS ONLY
6. REMOVE FOR "MOTOR OFF" OPTION OR TU1700

UNLESS OTHERWISE SPECIFIED:
ALL DISCRETE RESISTANCE VALUES ARE IN OHMS, ±5%, 1/2W
ALL RESISTOR PKG RESISTANCE VALUES ARE IN OHMS, ±2%, 1/8W

CARD LOC

PAGE	E.R. DATE	REV
1	6-10-75	C

DWG. NO. 2477 7104
PAGE 1 OF 1

Burroughs Corporation
SYSTEMS M & E GROUP
PLYMOUTH, MICHIGAN 48170
PLYMOUTH PLANT
U.S. AMERICA

TITLE	SCHEMATIC, BOARD, CHARACTER GENERATOR		
SYSTEM		DWG. NO.	2477 7104
DRAWN	EISENMANN 6-26-74	CHECKED	Jose 10-23-74
APPROVED	11-15-74	RELEASED	10-15-74
REV LETTER	C	PAGE	1 OF 1

OK for Layout T.R. 0-30-74

L-150

INPUT

SCHEMATIC

OUTPUT

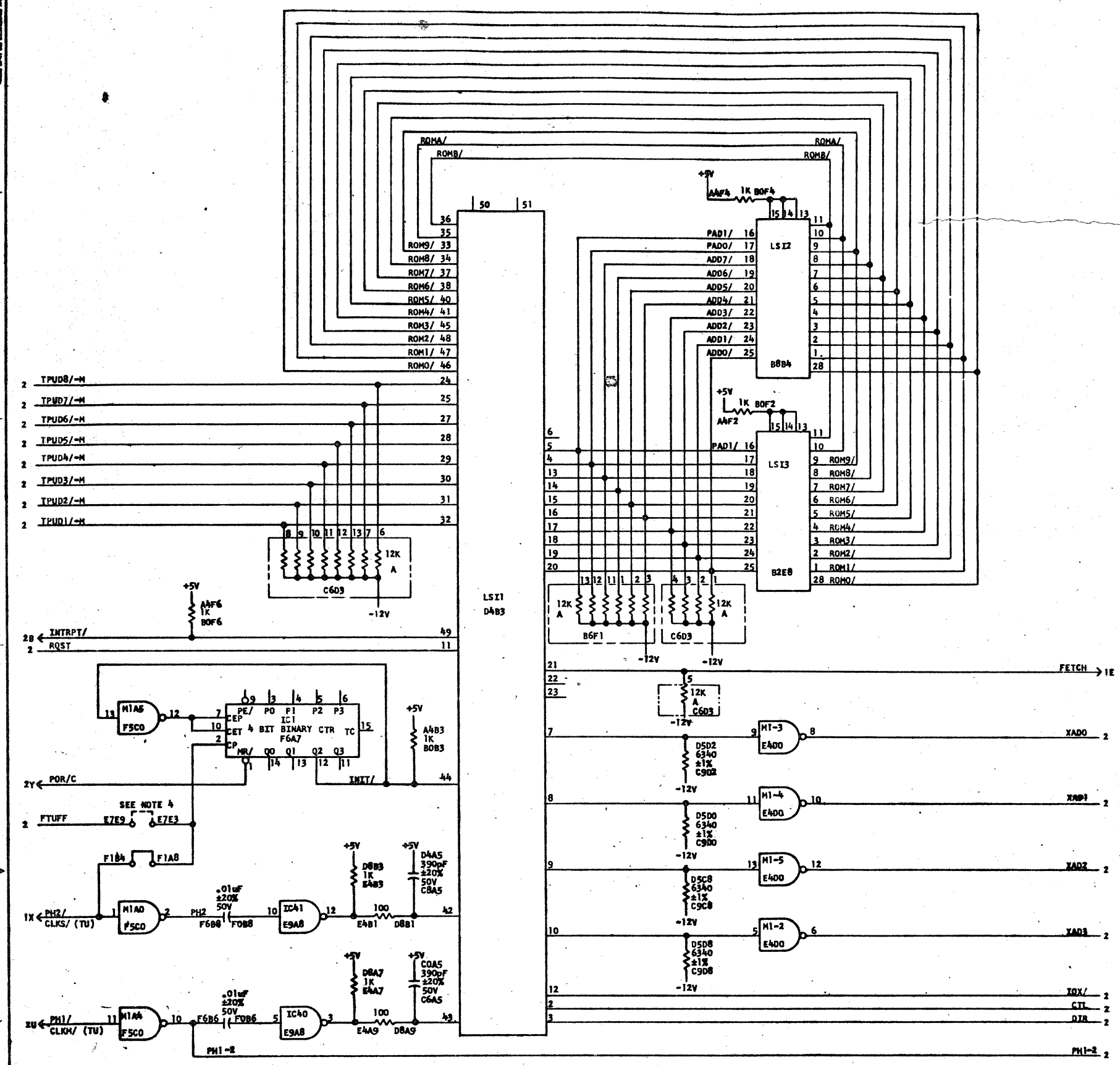


CHART 1

FINAL ASSEMBLY	ASSEMBLY	LSI2 LOC B8B4	LSI3 LOC B2E8
1538 2096 PL	1538 2070	1538 2054	1538 2062
2477 6957 PL	2477 6965	1538 2054	1538 2062

1. FOR ASSEMBLY SEE 1538 2070 (ER DATE 3-24-75)
   2477 6965 (ER DATE 3-24-75)
   FOR FINAL ASSEMBLY SEE CHART 1.
2. CODES USED FOR DENOTING COMPONENT PART NUMBERS ARE AS FOLLOWS;

I.C.'S	RESISTOR PKG	DIODES
M1A-1447 9532	A - 2472 7998	A-1536 9283
M1-1471 4356		
M2-1471 4364		
IC1-1447 3771		
IC2-1537 0273 (1 OF 10 DECODER)		
IC3-2472 2548 (HALF-DUPLEX TRANS-RECEIVER)		
IC4-1846 5229 (DUAL CLOCK DRIVER)		
IC5-2603 2629 (MULTIPLEXER)		
IC6-1447 3540		
LSI1-1845 9909 (TPU)		
LSI2-SEE CHART 1		
LSI3-SEE CHART 1		

3. LAST DIGIT OF I.C. CODE INDICATES ITS ELEMENT NUMBER
4. NOT USED

UNLESS OTHERWISE SPECIFIED;
ALL DISCRETE RESISTANCE VALUES ARE IN OHMS, ±5%, 1/2W
ALL RESISTOR PKG RESISTANCE VALUES ARE IN OHMS, ±2%, 1/8W

CARD LOC

DWG. NO. 2477 6973
PAGE 1 OF 2

PAGE	E.R. DATE	REV
1	6-20-75	E
2	5-16-75	D

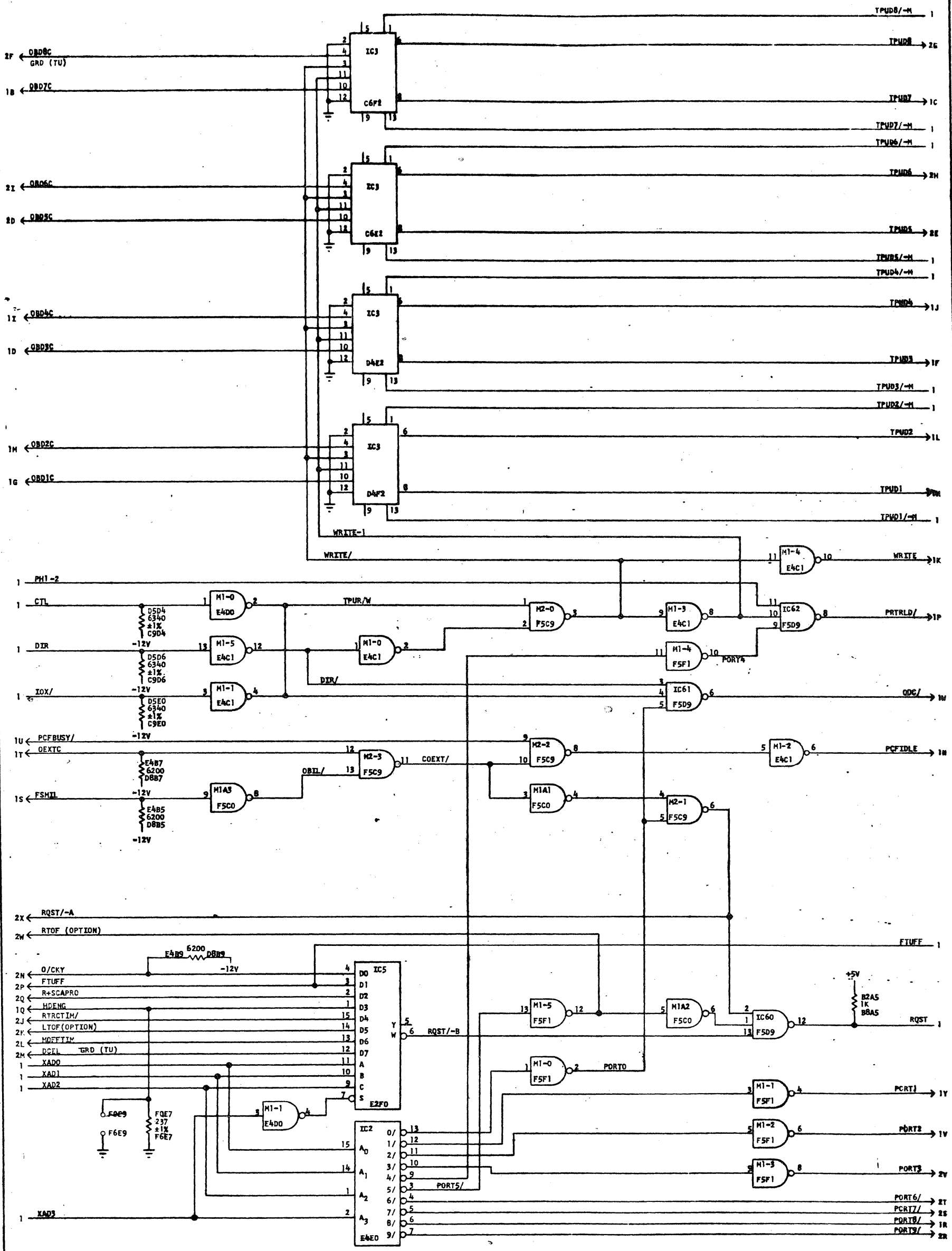
MFG.

Burroughs Corporation
SYSTEMS M & E GROUP PLYMOUTH PLANT
PLYMOUTH, MICHIGAN 48170 U.S.A. AMERICA

TITLE SCHEMATIC, BOARD, PCF CONT 60 CPS
SYSTEM
DWG. NO. 2477 6973
DRAWN KOSTREWA 10-14-74
CHECKED
APPROVED
RELEASED MFG 10-15-74
REV LETTER E
PAGE 1 OF 2

CHECKED FOR LAYOUT 10-17-74 R.W. 10-18-74
10-30-74

L-142



DWG. NO. 2477 6973
PAGE 2 OF 2

Burroughs Corporation
SYSTEMS M & E GROUP PLYMOUTH PLANT
PLYMOUTH, MICHIGAN 48170

TITLE	SCHEMATIC, BOARD, PCF CONT 60 CPS		
SYSTEM		DWG. NO.	2477 6973
DRAWN KOSTR. 10-14-74	CHECKED		
APPROVED	RELEASED 10-15-74	REV LETTER D	PAGE 2 OF 2

INPUT

SCHEMATIC

OUTPUT

1P ← S3FE/

Y4 * IGE16/ — 10
X4 * IOI/ — 28
2 OEX — 34
2 IBSI/ — 9
2 OOI — 36
IOWA — 31
2Z ← TRBL/C — 12
2Y ← XFFJC — 8
1Y ← FLOTMOS — 38

C4 * ASYNC — 29
S4 * DMACC — 3
K4 * POR/C — 30
R3 * CLS/ — 32
P4 * CLM/ — 7
2 D1/-M — 23
2 D2/-M — 19
2 D3/-M — 22
2 D4/-M — 21
2 D5/-M — 18
2 D6/-M — 24
2 D7/-M — 25
2 D8/-M — 20

2U ← PCFE — 4
270 ±5% 1/2W D3C4 D3B8
D4D2 200 ±5% 1/2W D4D8

+5V A6B5 715 ±1% 1/2W A6A9
2B ← S1F/1 — 27

+5V A4B5 715 ±1% 1/2W A4A9
2A ← S2F/1 — 2

Y3 * OLT16 — 6
2 OBSI/ — 5

2 IEX — 1 — M2-0 B2D2 — 3 — IEXE/C — 33
1H ← IIEX/ — 2

P3 * RT-M — 37
Q4 * IOCA/M — 11
Q3 * PAD-M — 35

LSI2 F2C3 FRONT END CONTROL

51 — IOE — 2
40 — OEXTC — 1Z
17 — POFF — 1W
16 — SETAPBF — 1X
41 — TR-M — * M3
43 — ODC/I — 2
45 — OCLI — 2
50 — OCE — 2

15 BYPF/-D — 1 M1-0 E2D2 2 — BYPF-1 — BYPF-1C — 1T
13 — CLRI — 2
14 — CLRO — 2
48 M1F-D — 3 M1-1 E2F4 4 — M1F/-1C — M1F/-1C — 1V
49 M2F-D — 1 M1-0 E2F4 2 — M2F/-1C — M2F/-1C — 2V
46 M4F/-D — 9 M1-3 E2F4 8 — M4F-1C — M4F-1C — 2W — M4F-1C — 2

+5V E9F2 715 ±1% 1/2W F5F2
M2B3 F2D2 — SEND — SEND — * N3 — SEND — 2
M3-2 F2F4 — MD=4/ — M1B5 A9E9 — MD=4ADC — 2L

+5V B9E9 A 715
PAD-M 1 — M2B0 F2D2 — 3 — M1-1 C2F4 — 4
IOCA/M 2

44 M8F/-D — M1-3 D9E9 — WAUC — M1-2 C2F4 — 6 — M8F/-1 — M3-1 F2F4 — 6 — DSS/C — 2X
RT-M — 3 — WAUC — 1M
RT-M — 2

+5V B9E9 A 715 — M3-0 F2F4 — 12
+5V B9E9 A 715 — M2-1 B2D2 — 6 — IDC — 2

42 — IDC/T
47 — MD15DE/ — M1-5 D9E9 — 12 — MD15DE — MD15DE — 2

IEXE/C — 2
IEXE/C — 1L

L4 * 5.25+14 — +5V
A4 * GRD (VDD)
V3 * 12V-18 — -12V

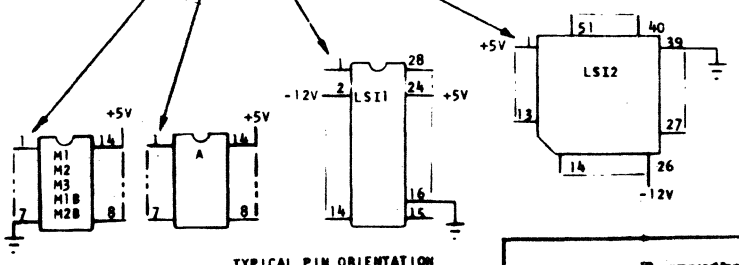
DECOUPLING CAPACITORS FOR TTL PACKAGES

+5V
F1D0 .01UF ±20% 50V F6D0
B2E1 .01UF ±20% 50V A7E1

SPARES

M1-5 C2F4 — 13 — 12
M1-3 C2D2 — 9 — 8
M1-0 C2D2 — 1 — 2
M1B3 A9E9 — 9 — 8
M1-5 C2D2 — 13 — 12

CO-ORDINATE WITHIN THE LOGIC SYMBOL INDICATES THIS PIN OF PACKAGE



TYPICAL PIN ORIENTATION WITH VOLTAGE AND GROUND CONNECTIONS

NOTES:
1. FOR ASSEMBLY SEE 2473 0392 (PL)
2. CODES USED FOR DENOTING COMPONENT PART NUMBERS ARE AS FOLLOWS:

I.C.'S	RESISTOR PKGS
M1 - 1471 4356	A - 2472 5111
M2 - 1471 4364	
M3 - 1471 4372	
M1B - 2470 1732	
M2B - 2470 1724	
LSI1 - 2473 9898	
LSI2 - 2473 9872	

3. LAST DIGIT OF I.C. CODE INDICATES ITS ELEMENT NUMBER
4. ALL FRONTPLANE PINS INDICATED WITH AN ASTERISK MUST MATE WITH FRONTPLANE PINS OF ASSEMBLY LOCATED IN ADJACENT CARD SLOT. SEE APPLICABLE CARD LOCATION CHART.

UNLESS OTHERWISE SPECIFIED:
ALL RESISTANCE VALUES ARE IN OHMS, ±2%, 1/8W

CARD LOC

PAGE	E.R. DATE	REV
1		
2		

DWG NO 2477 1917 PAGE 1 of 2

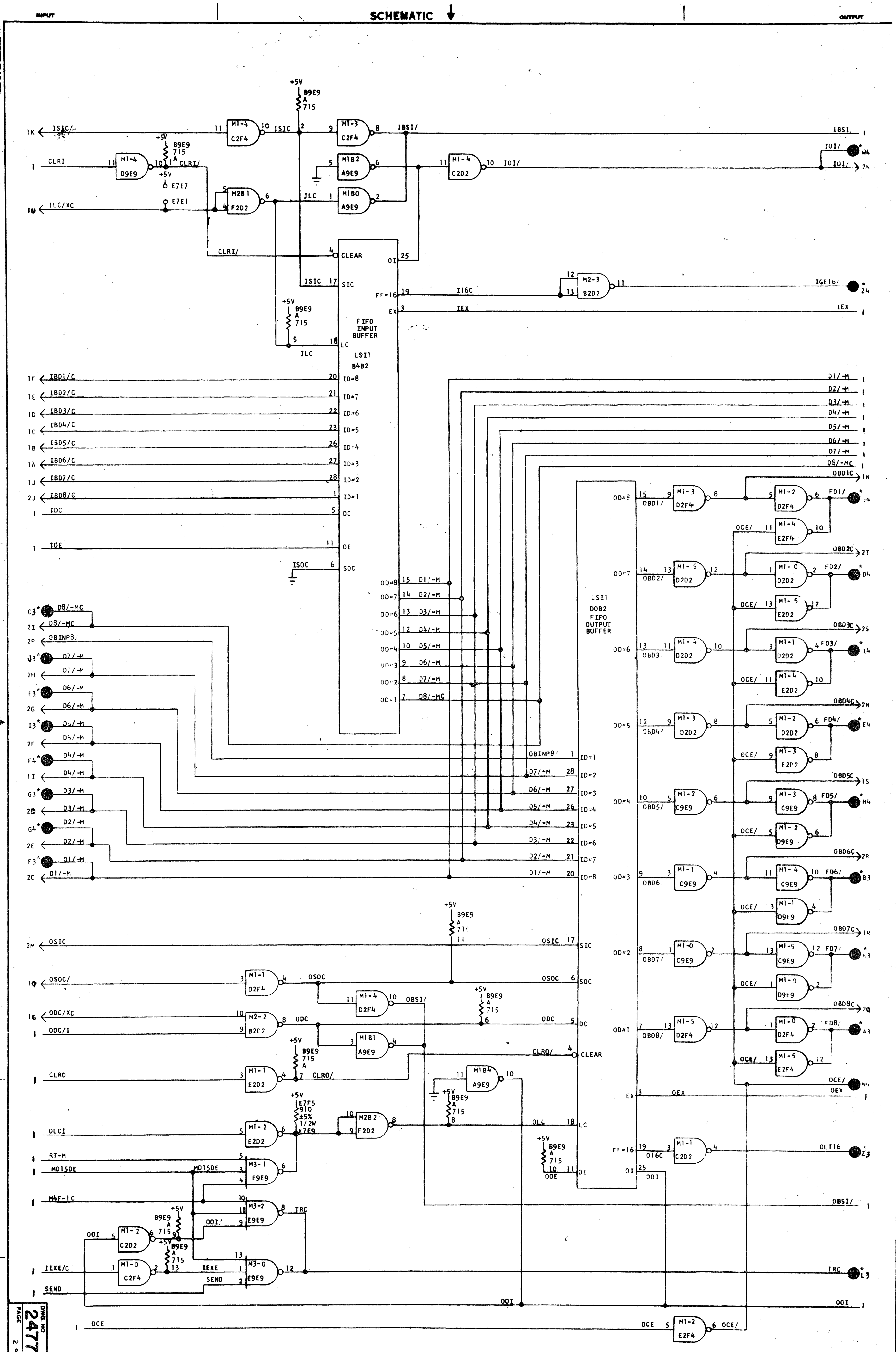
Burroughs Corporation
SYSTEMS M & E GROUP PLYMOUTH, MICHIGAN 48170 — PLYMOUTH PLANT U.S. AMERICA

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

TITLE SCHEMATIC, CARD, FRE-2			
SYSTEM		DWG. NO. 2477 1917	
DRAWN J. FISHER 5-3-72	CHECKED R. A. [illegible]		
APPROVED [illegible] 1-19-74	RELEASED 5-21-73	REV LETTER	PAGE 1 OF 2

LG-51

INPUT SCHEMATIC OUTPUT



Burroughs Corporation

SYSTEMS M & E GROUP PLYMOUTH, MICHIGAN 48170 — PLYMOUTH PLANT U. S. AMERICA

TITLE	SCHEMATIC, CARD, FRE-2
SYSTEM	
DRAWN	J. FISHER 5-3-72
CHECKED	E.A. ..74
APPROVED	
RELEASED	5-21-73
REV LETTER	
DWG. NO.	2477 1917
PAGE	2 OF 2

INPUT

SCHEMATIC

OUTPUT

1G D1-I
1J D1/C
J3 * FD1/
D3 * FD2/
1D D2/C
1B D2-I
1E D3-I
2F D3/C
I3 * FD3/
E3 * FD4/
1F D4/C
2E D4-I
2G D5-I
1H D5/C
H3 * FD5/
B4 * FD6/
1C D6/C
2D D6-I
2H D7-I
1I D7/C
K4 * FD7/
A4 * FD8/
2B D9/C
2C D8-I
N4 * SEND
2 IOCA/M
2 PPUKC

IC1 DRI/REC B2F3
IC1 DRI/REC B2E4
IC1 DRI/REC B2D2
IC1 DRI/REC B2C0

M2-3 C7D8
M2-0 C7D8
M5-0 C0D8
+5V C1C8 1500 B5C8

D1/-M * F4
D2/-M * G3
D3/-M * G4
D4/-M * F3
D5/-M * I4
D6/-M * E4
D7/-M * J4
D8/-MC * C4

11.2K A9B4 -12V

1V ADICON E1F5 100 E7F5 — E9E9 300PF ±10% 200V F6E9
1T AD2-I E1F7 100 E7F7 — E9E7 300PF ±10% 200V F6E7
1S AD8-I E1F9 100 E7F9 — E9E5 300PF ±10% 200V F6E5
2S ADA-I E1G1 100 E7G1 — E9F1 300PF ±10% 200V F6F1
2U AD4-I E1F3 100 E7F3 — E9F3 300PF ±10% 200V F6F3

M1-2 ** E6E4 / M1-2 ** D9E4
M1-1 ** E6E4 / M1-1 ** D9E4
M1-0 ** E6E4 / M1-0 ** D9E4
M1-3 ** E6E4 / M1-3 ** D9E4
M1-4 ** E6E4 / M1-4 ** D9E4
M1-5 ** E6E4 / M1-5 ** D9E4

AD1 AD2 AD8 ADA AD4 — M4-0 ** E3D8
AD1/ AD2/ AD8/ ADA/ AD4/ — M4-1 ** E3D8
D7E0 A E2E0
D7E2 A E2E2

M1-0 ** D6D8 — M1-5 ** D6D8 — M1-4 ** D6D8 — M1-0 D6D8 — M1-1 D6D8 — M1-4 D9E4

+5V C4B6 1K D0B6 — PAD-M * Q4 — PADC 1U

RSP1 * D4
RSP2 * H4
11.2K A9B4 -12V

ADX0C 1W
ADX2C 2T
ADX1C 2V
PADTP 2
PADTP * S4

1K 24V+5 — +24V
2I 5.25+23 — +5VBAT
2A 5.25+14 — +5V * L3
A4D2 6.8UF ±20% 35V A4C4
E8E3 6.8UF ±20% 35V F6E3
C2F9 6.8UF ±20% 35V B4F9
1A GRDEL1 — GRD * A3
17 GRDGL1 — ISOC * B3
ASYNC * C3
B4G1 6.8UF ±20% 35V C2G1
-12V * V4
2I 12V-18

+5V: A7B9 .01UF ±10% 100V A7C7; A7D1 .01UF ±10% 100V A7D9; A7E3 .01UF ±10% 100V A7F1; A7F4 .01UF ±10% 100V A7G2
+5VBAT DECOUPLING CAPACITORS FOR TTL I.C. PACKAGES: E2B8 6.8UF ±20% 35V E2C6; D3B8 6.8UF ±20% 35V D3C6; C5B8 .01UF ±10% 100V C5C6; D4A6 .01UF ±10% 100V D4B4

SPARES: M1-2 C3B9 — M1-4 C3B9 — M1-3 C3B9 — M1-5 C3B9

CO-ORDINATE WITHIN THE LOGIC SYMBOL INDICATES THIS PIN OF PACKAGE

-12V IC2 — +5V M1 M5 IC1 — +5VBAT M1 M1T M2 M2C M4 M4N — A — -12V

SPARES: IC2 — 11.2K A9B4 -12V

TYPICAL PIN ORIENTATION WITH VOLTAGE AND GROUND CONNECTIONS

NOTES:
1. FOR ASSEMBLY SEE 2471 9767
2. CODES USED FOR DENOTING COMPONENT PART NUMBERS ARE AS FOLLOWS:

I.C.'S	RESISTOR PKG	DIODE	TRANSISTORS
M1 - 1471 4356	A - 2472 7992	A - 1471 4661	A - 1476 1118
M1T - 1479 7971			B - 1479 7989
M2 - 1471 4364			C - 1472 8349
M2C - 1447 3581			
M4 - 1471 4380			
M4N - 1479 0257			
M5 - 1471 4398			
IC1 - 2472 2548			
IC2 - 1477 3436			

3. LAST DIGIT OF I.C. CODE INDICATES ITS ELEMENT NUMBER
4. ALL FRONTPLANE PINS INDICATED WITH AN ASTERISK MUST MATE WITH FRONTPLANE PINS OF ASSEMBLY LOCATED IN ADJACENT CARD SLOT. SEE APPLICABLE CARD LOCATION CHART.
5. GATES WITH A DOUBLE ASTERISK (**) OPERATE FROM +5VBAT

UNLESS OTHERWISE SPECIFIED:
ALL RESISTANCE VALUES ARE IN OHMS, ±5%, 1/2W

CARD LOC

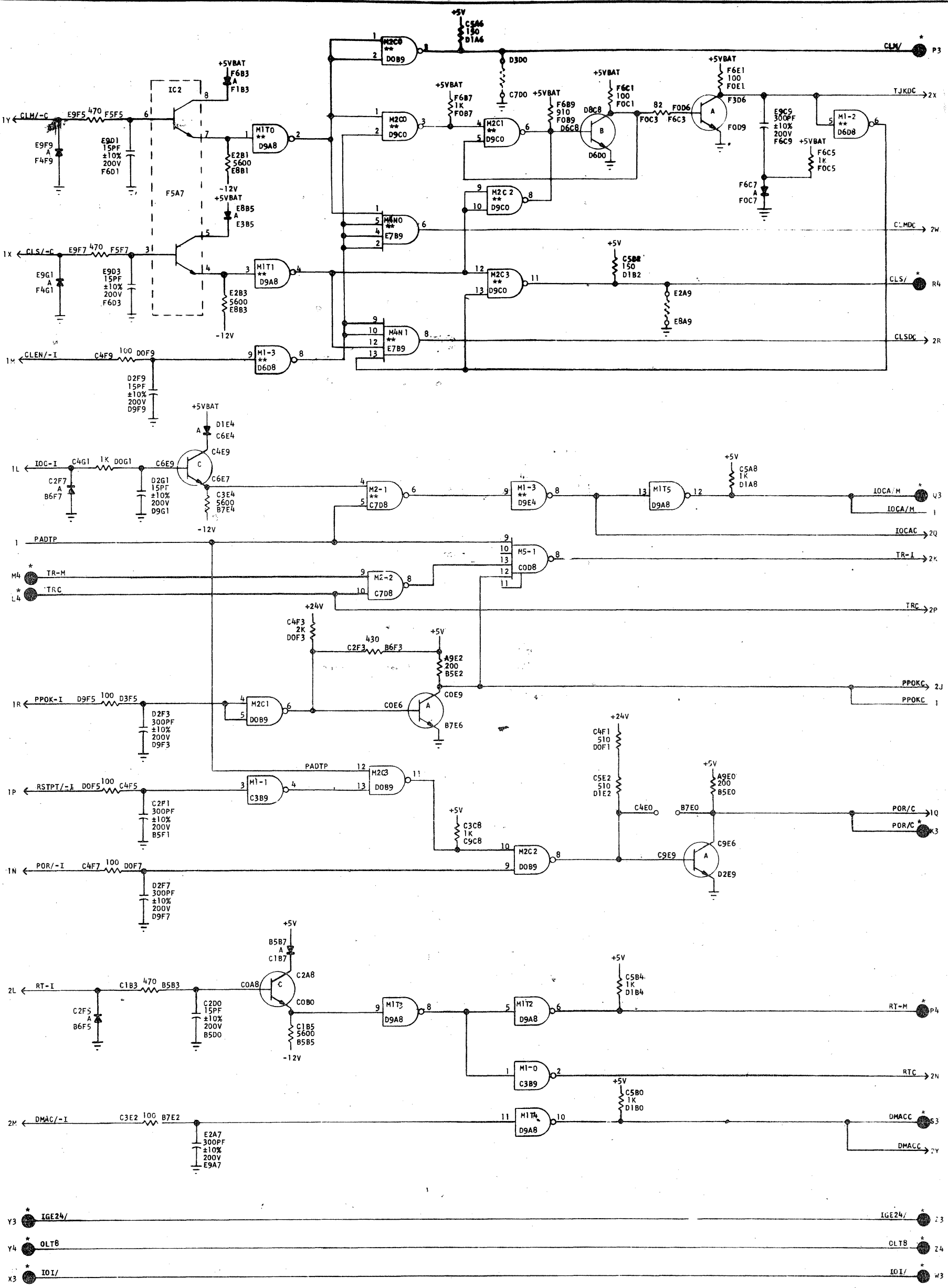
DWG NO. 2477 0828
PAGE 1 OF 2

PAGE	E.C.DATE	REV
1		
2		

Burroughs Corporation
SYSTEMS M & E GROUP, PLYMOUTH, MICHIGAN 48170 — PLYMOUTH PLANT, U.S. AMERICA

TITLE	SCHEMATIC, CARD, FRE-1		
SYSTEM		DWG. NO.	2477 0828
DRAWN ANDREWS 6-14-72	CHECKED		
APPROVED 1-14-74	RELEASED 5-21-73	REV LETTER	PAGE 1 OF 2

L6-50



PAGE 2 OF 2

DWG. NO. 2477 0828

Burroughs Corporation

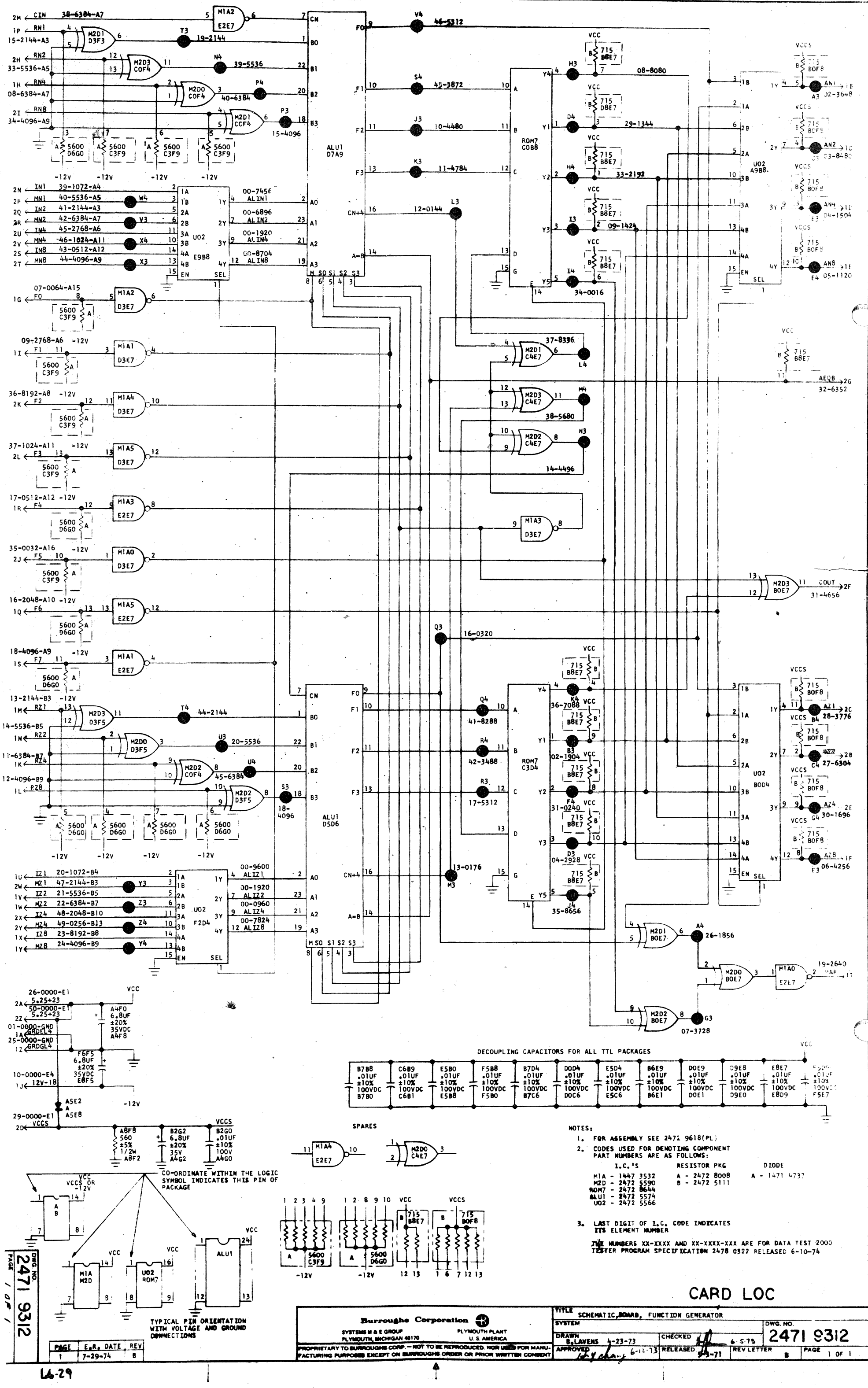
SYSTEMS M & E GROUP, PLYMOUTH, MICHIGAN 48170 — PLYMOUTH PLANT, U.S. AMERICA

TITLE: SCHEMATIC, CARD, FRE-1			
SYSTEM			DWG. NO. 2477 0828
DRAWN: ANDREWS 6-14-72	CHECKED: P. A. [illegible]		
APPROVED	RELEASED: 5-21-73	REV LETTER	PAGE 2 OF 2

INPUT

SCHEMATIC

OUTPUT



NOTES:

1. FOR ASSEMBLY SEE 2472 9618(PL)
2. CODES USED FOR DENOTING COMPONENT PART NUMBERS ARE AS FOLLOWS:

I.C.'S	RESISTOR PKG	DIODE
M1A - 1447 3532	A - 2472 8008	A - 1471 4737
M2D - 2472 5590	B - 2472 5111	
ROM7 - 2472 8644		
ALU1 - 2472 5574		
U02 - 2472 5566		

3. LAST DIGIT OF I.C. CODE INDICATES ITS ELEMENT NUMBER

THE NUMBERS XX-XXXX AND XX-XXXX-XXX ARE FOR DATA TEST 2000 TESTER PROGRAM SPECIFICATION 2478 0322 RELEASED 6-10-74

CARD LOC

PAGE	E.C.R.	DATE	REV
1		7-29-74	B

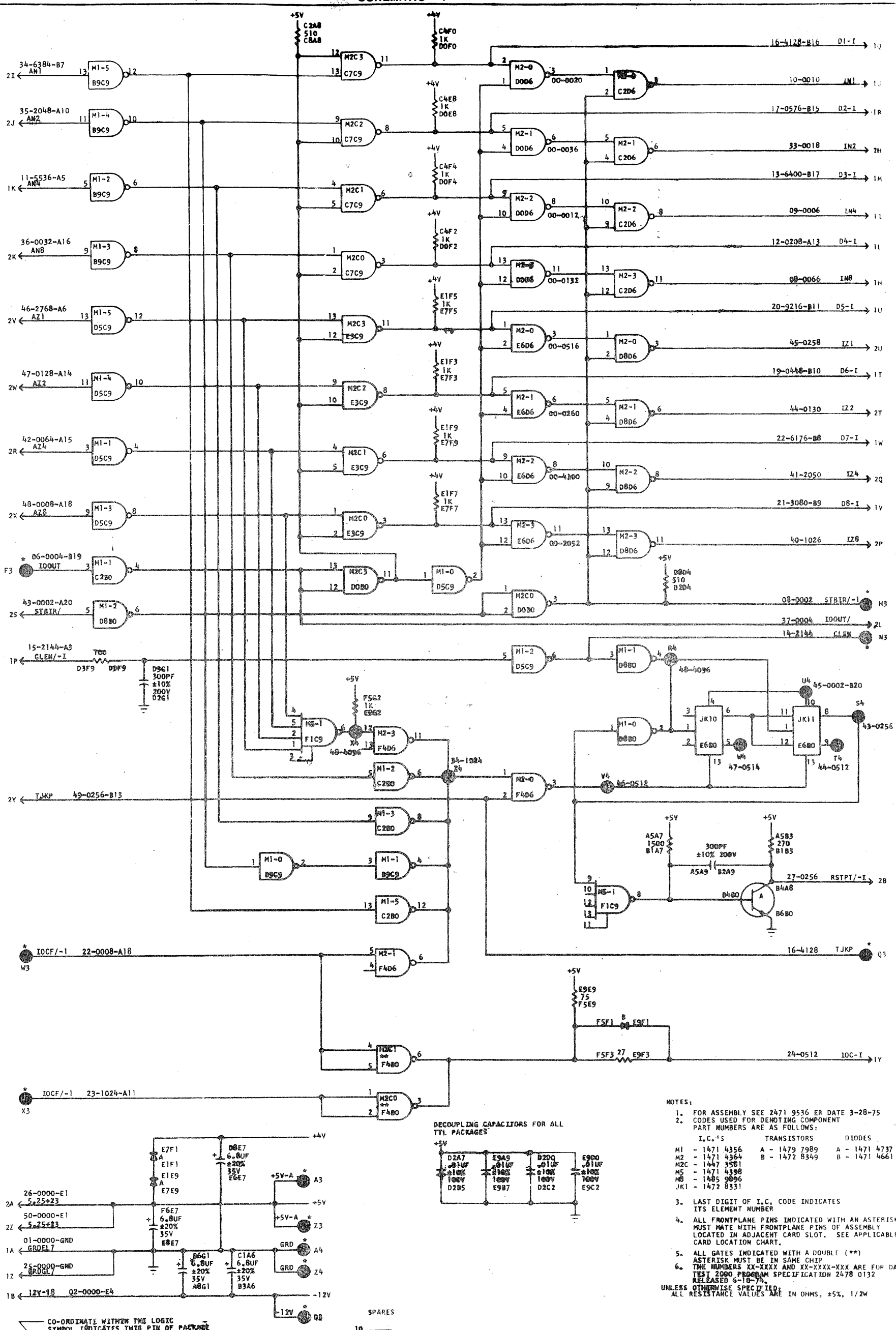
Burroughs Corporation

SYSTEMS M & E GROUP, PLYMOUTH, MICHIGAN 48170 — PLYMOUTH PLANT, U.S. AMERICA

TITLE	SCHEMATIC, BOARD, FUNCTION GENERATOR		
SYSTEM		DWG. NO.	2471 9312
DRAWN B. LAVENS 4-23-73	CHECKED 6-5-75		
APPROVED 6-12-73	RELEASED 5-5-71	REV LETTER B	PAGE 1 OF 1

DWG NO. 2471 9312 PAGE 1 OF 1

INPUT | SCHEMATIC | OUTPUT



NOTES:

1. FOR ASSEMBLY SEE 2471 9536 ER DATE 3-28-75
2. CODES USED FOR DENOTING COMPONENT PART NUMBERS ARE AS FOLLOWS:

I.C.'S	TRANSISTORS	DIODES
M1 - 1471 4356	A - 1479 7989	A - 1471 4737
M2 - 1471 4364	B - 1472 8349	B - 1471 4661
M2C - 1447 3581		
M5 - 1471 4398		
M8 - 1485 9896		
JK1 - 1472 8331		

3. LAST DIGIT OF I.C. CODE INDICATES ITS ELEMENT NUMBER
4. ALL FRONTPLANE PINS INDICATED WITH AN ASTERISK MUST MATE WITH FRONTPLANE PINS OF ASSEMBLY LOCATED IN ADJACENT CARD SLOT. SEE APPLICABLE CARD LOCATION CHART.
5. ALL GATES INDICATED WITH A DOUBLE (**) ASTERISK MUST BE IN SAME CHIP
6. THE NUMBERS XX-XXXX AND XX-XXXX-XXX ARE FOR DATA TEST 2000 PROGRAM SPECIFICATION 2478 0132 RELEASED 6-10-74.

UNLESS OTHERWISE SPECIFIED:
ALL RESISTANCE VALUES ARE IN OHMS, ±5%, 1/2W

CARD LOC

PAGE	E.R. DATE	REV
1	3-28-75	D
2	3-28-75	D

Burroughs Corporation
SYSTEMS M & E GROUP, PLYMOUTH, MICHIGAN 48170 — PLYMOUTH PLANT, U.S.A.
PROPRIETARY TO BURROUGHS CORP. — ISSUED FOR MANUFACTURING PURPOSES EXCEPT ON BURROUGHS ORDER OR OTHER WRITTEN CONSENT

TITLE	SCHEMATIC, BOARD, SYNC PROCESSOR INTERFACE		
SYSTEM		DWG NO.	2471 9551
DRAWN	RILEY 6-14-72	CHECKED	8-2-72
APPD	1-11-73	RELEASED	5-3-71
		REV LETTER	D
		PAGE	1 OF 2

DWG. NO. 2471 9551 PAGE 1 OF 2

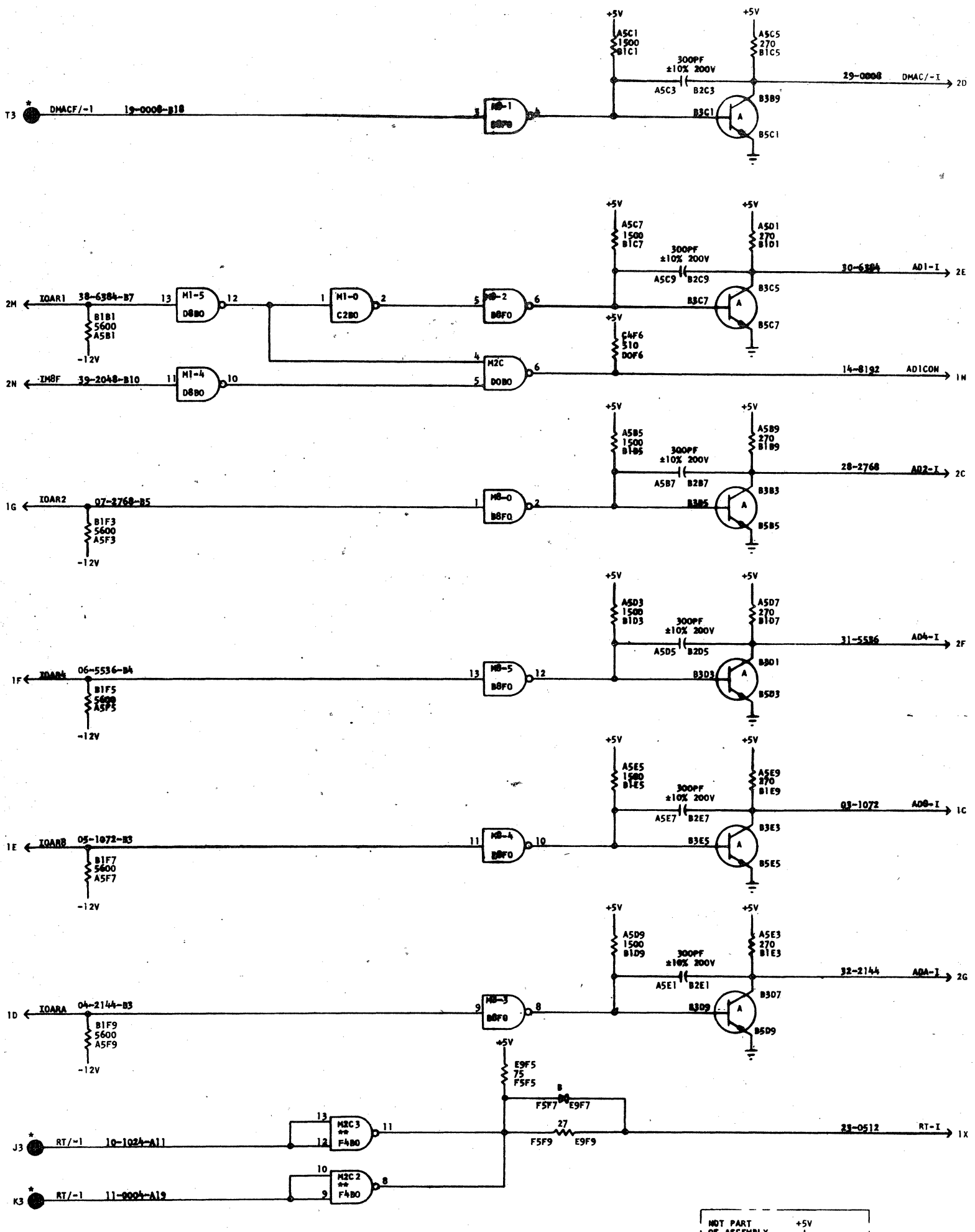
L-42

61

INPUT

SCHEMATIC

OUTPUT



Burroughs Corporation	TITLE	SCHEMATIC, BOARD, SYNC PROCESSOR INTERFACE	
SYSTEMS M & E GROUP PLYMOUTH, MICHIGAN 48170 — PLYMOUTH PLANT U.S.A.	SYSTEM		DWG. NO. 2471 9551
PROPRIETARY TO BURROUGHS CORP. — NOT TO BE REPRODUCED, NOR USED FOR MANUFACTURING PURPOSES EXCEPT ON BURROUGHS ORDER OR WITH WRITTEN CONSENT	DRAWN T. RILEY 6-14-72	CHECKED 6-2-72	
	APPROVED	RELEASED 5-3-71	REV LETTER 0 — PAGE 2 OF 2

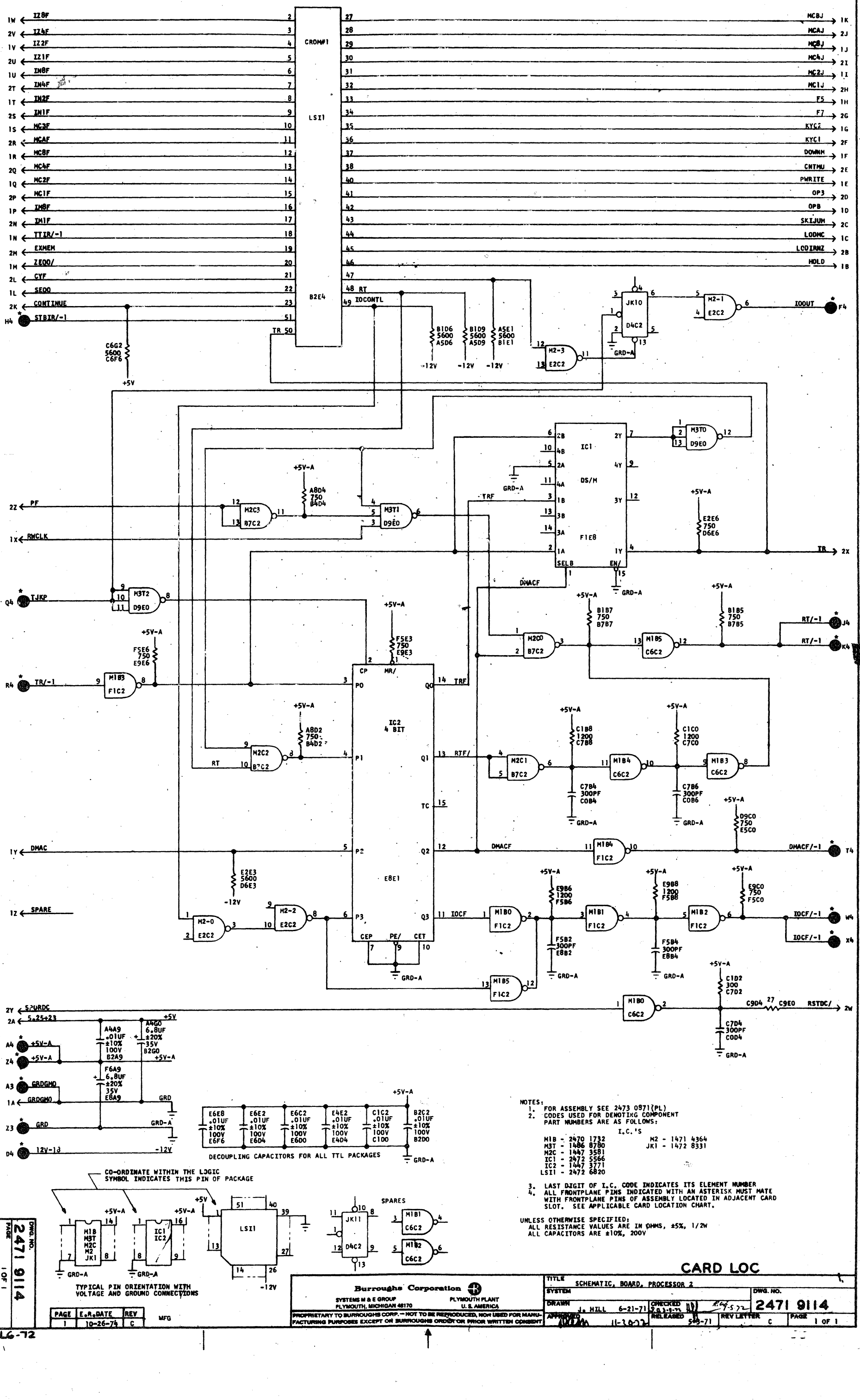
DWG. NO. 2471 9551 PAGE 2 OF 2

LG-82

INPUT

SCHEMATIC

OUTPUT



NOTES:
1. FOR ASSEMBLY SEE 2473 0971(PL)
2. CODES USED FOR DENOTING COMPONENT PART NUMBERS ARE AS FOLLOWS:

I.C.'S

M1B -	2470 1732	M2 -	1471 4364
M3T -	1486 8780	JK1 -	1472 8331
M2C -	1447 3581		
IC1 -	2472 5566		
IC2 -	1447 3771		
LSI1 -	2472 6820		

3. LAST DIGIT OF I.C. CODE INDICATES ITS ELEMENT NUMBER
4. ALL FRONTPLANE PINS INDICATED WITH AN ASTERISK MUST MATE WITH FRONTPLANE PINS OF ASSEMBLY LOCATED IN ADJACENT CARD SLOT. SEE APPLICABLE CARD LOCATION CHART.

UNLESS OTHERWISE SPECIFIED:
ALL RESISTANCE VALUES ARE IN OHMS, ±5%, 1/2W
ALL CAPACITORS ARE ±10%, 200V

CARD LOC

PAGE	E.R.DATE	REV
1	10-26-74	C

MFG

TITLE	SCHEMATIC, BOARD, PROCESSOR 2		
SYSTEM		DWG. NO.	2471 9114
DRAWN	J. HILL 6-21-71	CHECKED	9-1-71
APPROVED	11-30-72	RELEASED	5-9-71
REV LETTER	C	PAGE	1 OF 1

DWG. NO. 2471 9114 PAGE 1 OF 1

L6-72

SCHEMATIC

INPUT

OUTPUT

1K IZ8F
2L IZ4F
1L IZ2F
2M IZ1F
2N IN8F
1N IN4F
2P IN2F
1P IN1F

LSI1 B2E4 CROM

2K IM4F
C3 KYF
H4 ZZ1
E3 ZN1

1M IM8F
2R IM1F
2Q IM2F
2V TR

1R MC8F
2S MC4F
1S MC8F
2T MC4F
1T MC2F
1Q MC1F

LSI2 D8F5 CROM

LSI3 D8C5 CROM

MC8J 1I
MC4J 2I
MC8J 1H
MC4J 2H
MC2J 1G
MC1J 2G
MEMRD 1F
F1 2F
F3 1E

LODAN Q3
LODAZ P3
INZSA U3
LODZ T3
INMSB C4
INMSA D4
LODMU B3
LODMT E4
LODMH F4
LODMK F3
CNTMH D3
CNTMK H3
OP9 G4
RZ1 1D
RZ1 1B
RN4 B4
RN4 2B
RN2 A4
RN2 1C
A3

C9D3 CR
C3D3 A 11.2K
-12V

F0 1V
F2 2W
F4 2X
F6 2Y
RN8 R4
DMAC 1W
AFEN V4
AFSA U4
AFSB S3
INZSB Z4
INASA T4
INASB R3
DOWNAZ S4
CNTZ Y4
CNTMT X4

DOWNM V3
DOWNM 2U
CNTMU 1U
CNTMU W4

VCCS
B 715 C9C3

G3 ZEQ0
B1D3 5600 A4D3
M1A0 B7C3

IC1 C6B7 ROM
IC2 C0B7 ROM

KYC1 1Y
KYC2 1X
ZEQ0/ 1J
ZSB N3
LMEN N4
UMEN M3
AMEN M4
ZSA L4
ADSB M4
ADSA J4

M1A5 B7C3
M2A3 C3C3
M2A0 C3C3
M2A1 C3C3
M1A1 B7C3
M1A2 B7C3
M2A2 C3C3

+5V A4C3 715 ±1% B1C3
+5V A4B5 715 ±1% B1B5
+5V A4B3 560 B1B3
+5V A4A9 560 B1A9
+5V A4C7 560 B1C7

MMSB L3
MMSA K3
AMSB K4
AMSA L4

IC3 B4B7 DS/M

ADRLZ2 2D
ADRLZ1 2J
ADRLZ8 2E

I3 ADLZ2
I4 ADLZ1
J3 ADLZ8

B1C5 5600 A4C5
B1B1 5600 A4B1
B1B7 5600 A4B7

SPARES
B7D3 CR

B1C9 A4C9
B4D1 C0D1
B9C0 6.8UF ±20% 35V B1C0
B1D1 A4D1
A7E9 6.8UF ±20% 35V A7E1
A7G2 6.8UF ±20% 35V A7F4
B9A7 .01UF ±10% 100V B1A7
C9C0 .01UF ±10% 100V C1C0

2A 5.25+23
1A GRDEM3
1Z GRDGM3
2C 12V-13

C1A7
C9A7

+5V
+5V-A

CO-ORDINATE WITHIN THE LOGIC SYMBOL INDICATES THIS PIN OF PACKAGE

TYPICAL PIN ORIENTATION WITH VOLTAGE AND GROUND CONNECTIONS

M1A M2A
M1A3 B7C3
M1A4 B7C3

NOTES:

1. FOR ASSEMBLY SEE 2473 0863(PL)
2. CODES USED FOR DENOTING COMPONENT PART NUMBERS ARE AS FOLLOWS:

I.C.'S	RESISTOR PKG	DIODE
M1A - 1447 3532	A - 2472 7992	CR - 1527 5290(PKG)
M2A - 1447 3516	B - 2472 5111	A - 1471 4737
IC1 - 2472 8669		
IC2 - 2472 8677		
IC3 - 2472 5566		
LSI1 - 2472 6838		
LSI2 - 2472 6861		
LSI3 - 2472 6853		

3. LAST DIGIT OF I.C. CODE INDICATES ITS ELEMENT NUMBER
4. ALL FRONTPLANE PINS INDICATED WITH AN ASTERISK MUST MATE WITH FRONTPLANE PINS OF ASSEMBLY LOCATED IN ADJACENT CARD SLOT. SEE APPLICABLE CARD LOCATION CHART.

UNLESS OTHERWISE SPECIFIED:
ALL RESISTANCE VALUES ARE IN OHMS, ±5%, 1/2W

CARD LOC

PAGE 1 OF 1
DWG. NO. 2471 9072

PAGE	E.R.DATE	REV
1		

TITLE	SCHEMATIC, CARD, PROCESSOR 1 CROM		
SYSTEM		DWG. NO.	2471 9072
DRAWN	6-5-72	CHECKED	6-27-72
APPROVED		RELEASED	5-3-71
REV LETTER		PAGE	1 OF 1

MFG.

L6-63

INPUT

SCHEMATIC

OUTPUT

1A ← KYF

1S ← AN1
2S ← AN2
2R ← AN4
1R ← AN8
2T ← AZ1
1T ← AZ2
1U ← AZ4
2U ← AZ8

V3 AFEN
U3 AFSA
S4 AFSB
P3 AMEN
L3 AMSA
K3 AMSB
D4 CNTA
S3 DOWNAZ
T3 INASA
R4 INASB
Q4 LODAN.
P4 LODAZ

V4 DOWNM
J3 ADSA
X3 CNTMT
W3 CNTMU
N3 LMEN
K4 MMSA
L4 MMSB
M3 ADSB
D3 INMSA
C3 INMSB
E3 LODMT
B4 LODMU

H4 CNTMH
G3 CNTMK
F4 LODMK
F3 LODMH
M4 UMEN
2L PORPR

2M ← CLM-P
2M ← HOLD/
1N ← CLS-P

Y3 CNTZ
U4 INZSA
Z3 INZSB
T4 LODZ
Q3 ZSA
N4 ZSB

2A ← 5.25+23 → +5V
2Z ← 5.25+23
1Z ← GRDGN6
2X ← 12V-18 → -12V

F4G0 6.8UF ±20% 35V E6G0
E6F8 6.8UF ±20% 35V F4F8

LSI1 A REG FIC2

LSI1 ML REG BOD3

LSI1 MU REG BOFO

LSI1 Z REG EOFO

M10
M00

+5V

KYF C4
RN1 1V
RN2 A4
RN4 A3
RN8 2W
RN8 R3
AREQ0 1W
AREQ1 2V
RZ1 B3
RZ2 1X
RZ4 1Y
RZ8 2Y
MIN1 1D
MIN2 2K
MIN4 1E
MIN8 2F
MIZ1 1F
MIZ2 2I
MIZ4 1H
MIZ8 2H

ADRLN1 1C
ADRLN2 2B
ADRLN4 1B
ADRLN8 2C
ADRLZ4 2D

ADLZ1 I3
ADLZ2 I4
ADLZ8 J4

ADRUN1 1L
ADRUN2 2E
ADRUN4 1K
ADRUN8 2J

ADRUZ1 1J
ADRUZ2 2G
ADRUZ4 1G
ADRUZ8 1I

IOAR1 1Q
IOAR2 2N
IOAR4 1P
IOAR8 2P
IOARA 2Q

ZEQ0 G4
ZN1 E4
ZZ1 H3

ZZ1 ZZ2 ZN4 ZN2 ZN1 ZN8

AN1 AN2 AN4 AN8 AZ1 AZ2 AZ4 AZ8 PORPR/

CNTZ INZSA INZSB LODZ ZSA ZSB

ZZ8 ZZ4 ZZ2 ZZ1

B1F6 133 ±1% B7F6
E6F6 133 ±1% E0F6
E0F4 133 ±1% E6F4

M2C0 C8F2
M2C3 C8F2
M2C2 C8F2
M2C1 C8F2

C4F4 B9F4 C5E7
C5E1
B9F6 C4F6 E8F4
F4F4
B9F8 C4F8 E8F6
F4F6

C7F8 .01UF ±10% 100V D5F8

DECOUPLING CAPACITOR FOR (TTL) I.C.

CO-ORDINATE WITHIN THE LOGIC SYMBOL INDICATES THIS PIN OF PACKAGE

TYPICAL PIN ORIENTATION WITH VOLTAGE AND GROUND CONNECTIONS

SPARES

NOTES:

1. FOR ASSEMBLY SEE 2473 0889(PL)
2. CODES USED FOR DENOTING COMPONENT PART NUMBERS ARE AS FOLLOWS:

I.C.'S	RESISTOR PKG	DIODE PKG
M2C - 1447 3581	A - 2472 7992	CR - 1527 5290
LSI1 - 2473 9864		

3. LAST DIGIT OF I.C. CODE INDICATES ITS ELEMENT NUMBER
4. ALL FRONTPLANE PINS INDICATED WITH AN ASTERISK MUST MATE WITH FRONTPLANE PINS OF ASSEMBLY LOCATED IN ADJACENT CARD SLOT. SEE APPLICABLE CARD LOCATION CHART.

UNLESS OTHERWISE SPECIFIED:
ALL RESISTANCE VALUES ARE IN OHMS, ±5%, 1/2W

CARD LOC

DWG. NO. 2471 9155
PAGE 1 OF 1

PAGE	E.R.DATE	REV
1		

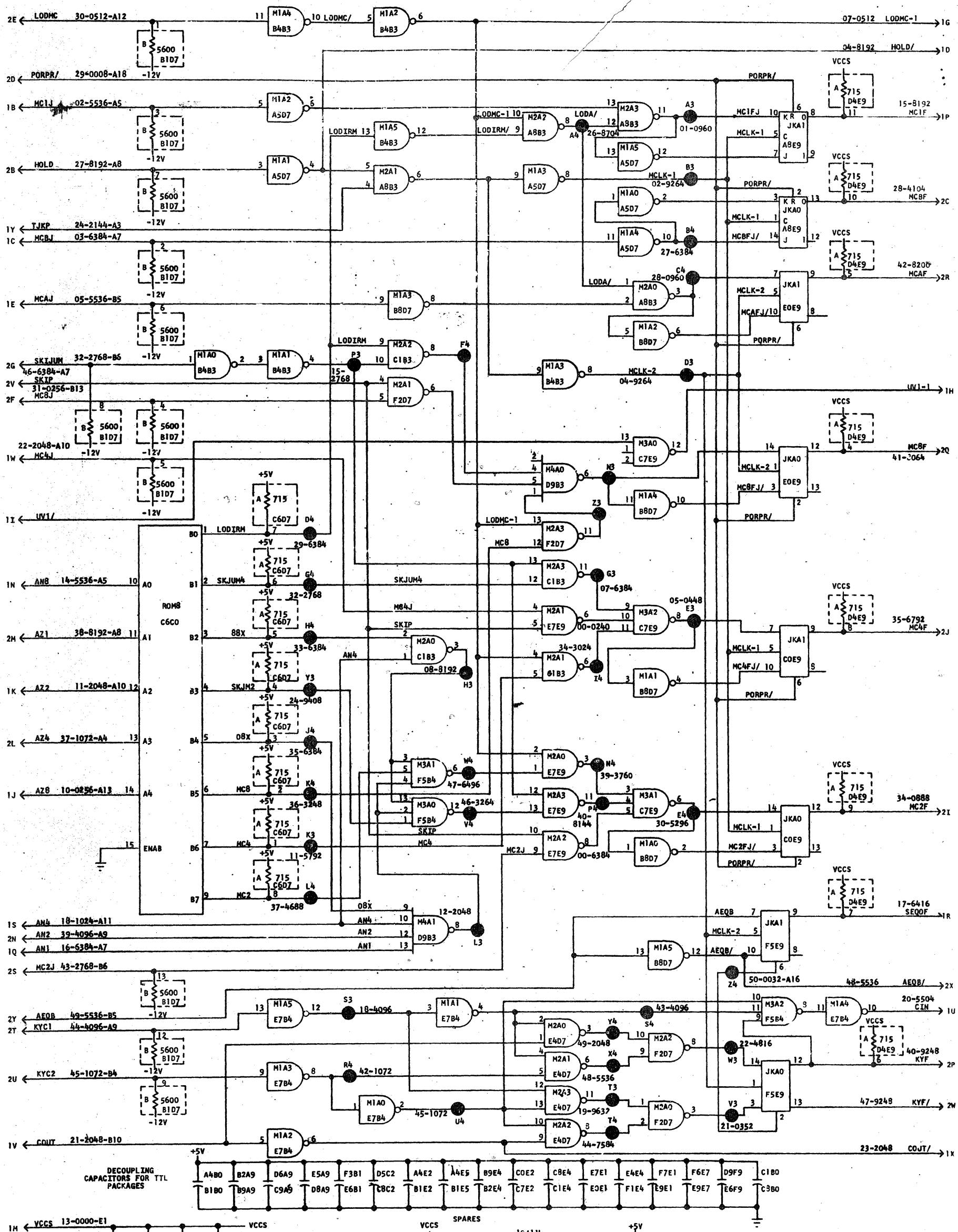
Burroughs Corporation
SYSTEMS M & E GROUP PLYMOUTH, MICHIGAN 48170
PLYMOUTH PLANT U. S. AMERICA

TITLE SCHEMATIC, CARD, PROCESSOR 3 REG.			
SYSTEM			DWG. NO.
DRAWN TROY 6-3-72	CHECKED		2471 9155
APPROVED	RELEASED 5-3-71	REV LETTER	PAGE 1 OF 1

MFG

LG-64

INPUT | SCHEMATIC | OUTPUT



NOTES:
1. FOR ASSEMBLY SEE 2472 9600 (PL) E.R.DATE 10-12-74
2. CODES USED FOR DENOTING COMPONENT PART NUMBERS ARE AS FOLLOWS:

I.C.'S	RESISTOR PKG	DIODE
M1A - 1447 3532	A - 2472 5111	A - 1471 4737
M2A - 1447 3516	B - 2472 8008	
M3A - 1447 3540		
M4A - 1447 3565		
JKA - 2470 8117		
ROM8 - 2472 8651		

3. LAST DIGIT OF I.C. CODE INDICATES ITS ELEMENT NUMBER.
4. THE NUMBERS XX-XXXX AND XX-XXXA-XXX ARE FOR DATA TEST 2000 TESTER PROGRAM SPECIFICATION 2478 0314 RELEASED 5-10-74.

UNLESS OTHERWISE SPECIFIED:
ALL CAPACITORS ARE .01uF, ±10%, 100V
ALL RESISTOR PKG RESISTANCE VALUES ARE IN OHMS, ±2%, 1/8W

CARD LOC

PAGE	E.R.DATE	REV
1	10-12-74	D

Burroughs Corporation
SYSTEMS M & E GROUP PLYMOUTH PLANT
PLYMOUTH, MICHIGAN 48170 U.S. AMERICA

TITLE SCHEMATIC, BOARD, PROCESSOR S/M 6
SYSTEM L6000
DWG. NO. 2471 9270
DRAWN VROMAN 5-11-72
CHECKED W.V. 5-12-72
APPROVED 5-23-72
RELEASED 5-3-71
REV LETTER D
PAGE 1 OF 1

DWG. NO. 2471 9270 PAGE 1 OF 1

LOGICIAN 5-16-72 | SECT LEADER | MTR | CKD FOR LAYOUT APPR 5-16-72
I&T 5-16-74 | CARD TEST | CKD FOR LAYOUT APPR

L6-49 L6-49

INPUT

SCHEMATIC

OUTPUT

1M ← PORPR/
2S ← AZ8
2V ← AZ4
2Q ← AZ2
2Y ← AZ1
2C ← OP3-1
2K ← ZEQ0/
2B ← CTGL
1K ← IPENMC/
2H ← AZ8
2I ← PAR
2E ← AREQ0
2J ← GRDEN3
2G ← AREQ1
2L ← KYF/
1J ← IN1F
1H ← IN2F
1I ← IN4F
2M ← IN8F
1E ← OPB
2X ← AN1
2F ← AEQB
2R ← AN2
1L ← AN4
1F ← TJKP
1C ← LODIRNZ
2W ← AN8
1D ← OP9
1B ← LODMC-1

B A7F6 5600 -12V

M1A4 C9E7 · M1A0 C9E7 · M1A3 C9E7 · M1A5 C9E7 · M1A4 A7E4 · M1A3 A7E4 · M1A0 A7E4 · M1A4 A7E4 · M1A5 A7E4 · M1A4 C9D4 · M1A3 C9D4 · M1A1 C9E7 · M2A0 A7D0 · M1A2 C9E7 · M1A4 D2B4 · M2A1 A7D0 · M1A1 C9D4 · M1A2 A7E4 · M1A2 C9D4 · M2A3 A7D0 · M2A2 A7D0 · M1A1 A7E4 · M4A0 B9D6 · M2A3 B9B2 · M1A1 D2B4 · M2A1 B9B2 · M1A0 D2B4 · M2A0 B9B2 · M1A5 D2B4 · M1A3 D2B4

JKA0 E2E4 · JKA0 F2E4 · JKA0 E2E4 · JKA1 E2E4 · JKA1 F2C9 · JKA1 E2C9 · JKA0 E2C9 · JKA0 F2C9 · JKA0 D3F3 · JKA1 D3F3 · JKA1 E2B4 · JKA0 E2B4 · JKA1 F2B4 · JKA0 F2B4

M2D1 B9C4 · M2D0 B9C4 · M2D3 B9C4 · M2D2 B9C4

U030 (S, E11, E5, E6, E7, E15, E8, E13, E0, E12, E10, E9, E14, E4, E3, E2, E1; W; C2E5; A B C D)

U03 (M1A, M2A, M2D, M4A; JKA)

VCCS A 715 E2F5 (IZ8F → 1S; IZ4F → 1T; IZ2F → 1R; IZ1F → 2T; IM1F → 1P; IM2F → 1Q; IM4F → 1W; IM8F → 1X; IN1F → 1U; IN2F → 2P; IN4F → 1N; IN8F → 1Y; CHOS → 1V)

+5V

IZCLK · DCF · DCF/ · IM2F/ · EPNCF · EPNCF/ · UPNCF/ → 2N · SKIP → 1G

DECOUPLING CAPACITORS FOR ALL TTL PACKAGES

+5V

B2F9 6.8UF ±20% 35V A4F9 · F4G0 A E8G0 · F6B0 E8B0 · F6G6 E8C6 · F6E1 E8E1 · E4A9 D6A9 · E4C4 D6C4 · E4E1 D6E1 · C4A9 D2A9 · D2C4 C4C4 · D2D8 C4D8 · B3A9 C1A9 · B4C1 C2C1 · B4D3 C2D3 · B5F9 C3F9 · B2D5 A4D5 · B2E7 A4E7 · D4F0 C6F0

GRDEN2 · GRDGN2 · 12V-18 · VCCS

A4G1 6.8UF ±20% 35V B2G1 -12V

F6F4 6.8UF ±20% 35V E8F4 · F6F6 E8F6

E8F8 ±5% 1/2W F4F8

SPARES

B 5600 A7F6 -12V

M4A1 B9D6

CO-ORDINATE WITHIN THE LOGIC SYMBOL INDICATES THIS PIN OF PACKAGE

VCCS OR -12V · +5V

TYPICAL PIN ORIENTATION WITH VOLTAGE AND GROUND CONNECTIONS

NOTES:

1. FOR ASSEMBLY SEE 2471 9213
2. CODES USED FOR DENOTING COMPONENT PART NUMBERS ARE AS FOLLOWS:

I.C.'S	RESISTOR PKG
M1A - 1447 3532	A - 2472 5111
M2A - 1447 3516	B - 2472 8008
M4A - 1447 3565	
JKA - 2470 8117	DIODE
M2D - 2472 5590	
U03 - 2472 5608	A - 1471 4737

3. LAST DIGIT OF I.C. CODE INDICATES ITS ELEMENT NUMBER

UNLESS OTHERWISE SPECIFIED:
ALL DIODES ARE
ALL CAPACITORS ARE .01UF, ±10%, 100VDC

CARD LOC

Burroughs Corporation

TITLE SCHEMATIC, CARD, PROCESSOR S/M 5
SYSTEM
DRAWN B. OLAH
CHECKED W.V. 6-7-72 W.V. 5-13-72 5-25-73
RELEASED 5-3-71
DWG. NO. 2471 9239
REV LETTER A
PAGE 1 OF 1

PAGE	E.C.O. DATE	REV
1	1-21-74	A

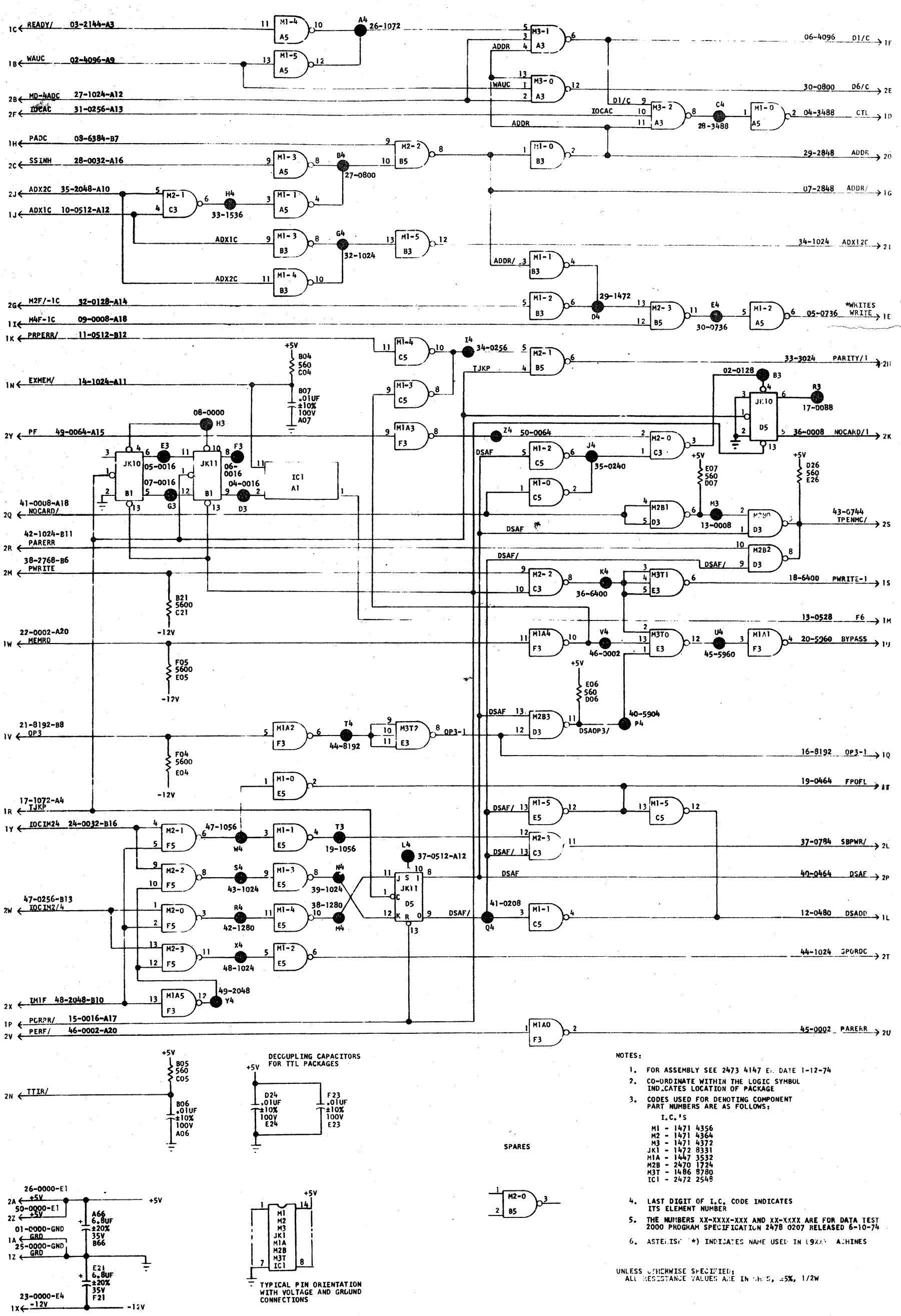
DWG. NO. 2471 9239 PAGE 1 OF 1

L6-48

INPUT

SCHEMATIC

OUTPUT



NOTES:

1. FOR ASSEMBLY SEE 2473 4147 E. DATE 1-12-74
2. CO-ORDINATE WITHIN THE LOGIC SYMBOL INDICATES LOCATION OF PACKAGE
3. CODES USED FOR DENOTING COMPONENT PART NUMBERS ARE AS FOLLOWS:

   I.C.'S

   M1 - 1471 4356
   M2 - 1471 4364
   M3 - 1471 4372
   JK1 - 1472 8331
   M1A - 1447 3532
   M2B - 2470 1724
   M3T - 1486 8780
   IC1 - 2472 2548

4. LAST DIGIT OF I.C. CODE INDICATES ITS ELEMENT NUMBER
5. THE NUMBERS XX-XXXX-XXX AND XX-XXXX ARE FOR DATA TEST 2000 PROGRAM SPECIFICATION 2478 0207 RELEASED 6-10-74
6. ASTERISK (*) INDICATES NAME USED IN L9XX MACHINES

UNLESS OTHERWISE SPECIFIED:
ALL RESISTANCE VALUES ARE IN OHMS, ±5%, 1/2W

CARD LOC

DWG. NO. 2473 4162
PAGE 1 OF 1

PAGE	E.R.DATE	REV
1	2-18-75	D

Burroughs Corporation
SYSTEMS M & E GROUP PLYMOUTH PLANT
PLYMOUTH, MICHIGAN 48170 U.S. AMERICA

TITLE	SCHEMATIC, CARD, PROCESSOR SELF SCAN		
SYSTEM			DWG. NO. 2473 4162
DRAWN	TROY 9-20-72	CHECKED	
APPROVED	1-3-73	RELEASED	5-3-71
REV LETTER	D	PAGE	1 OF 1

L6-90

102

INPUT

SCHEMATIC

OUTPUT

+5V A 6K B5D8 — 1F TPUD8, 2E TPUD7, 1E TPUD6, 2F TPUD5

IC2 4 BIT SHIFT REG Q3/ A9F0 — PE/ P0 P1 P2 P3, J, CP, K/, MR/ Q0 Q1 Q2 Q3

+5V A 6K B5D8 — 2I TPUD4, 2M TPUD3, 2N TPUD2, 1N TPUD1 → D4, D3, D2, D1

IC2 4 BIT SHIFT REG Q3/ B5F0 — FMSLD/

+5V C9E6 510 D5E6

IC2 4 BIT SHIFT REG Q3/ C3E8 — FMSLD/

2K PORT1, 1Q PH1-1, 1T WRITE → IC12 D3F0

1V PORT3 → IC10 D3F0

K4

1I POR/C

2P PORT2 → IC11 D3F0

M1R1 D3C4, M1R2 D3C4, M2A1 C3D6 → B4

L4, M4, H4, R4

+5V C9D2 1K D5D2

IC3 4 BIT BINAR CTR D3D6 — CEP, CET, CP, PE/ P0 P1 P2 P3, MR/ Q0 Q1 Q2 Q3, TC

CLR

JK21 C3B3 — Q4, I4

JK20 C3B3 — P4

1U PCFIDLE

PEN

CARRLD/

PPROEDG/

PH1/-2

+5V A4D8 300 B0D8; A4D6 100 B0D6; B2D4 .01uF ±10% 100V A4D4

1J CAPRO

+5V A4C8 300 B0C8; A4D0 100 B0D0; B2D2 .01uF ±10% 100V A4D2

2R PPRO

M1R1 D3B3, M1R2 D3B3, M1R3 D3B3, M1R4 D3B3, M1R5 D3B3, M1R0 D3C4 ×2

RB1+DR, RB1-DR, RB2+DR, RB2-DR

IC50 E4D9, IC51 E4D9, IC50 F5D9, IC51 F5D9

+24V E6C1 910 1W D8C1; E6C4 100 1W D8C4; E6C7 100 1W D8C7; E6E9, E3E9, E6E5, E0E5, E0E7 .02uF ±20% 50V E6E7, E3F2, E0D1 .1uF ±20% 50V E6D1

+24V D8B8 910 1W E6B8; E6F4, E3F4, E6D5, E0D5, E0D3 .02uF ±20% 50V E6D3, E3F7

+24V E8C1 910 1W F6C1; E8C4 100 1W F6C4; E8C7 100 1W F6C7; F5F4, F2F4, F6E5, F0E5, F0E7 .02uF ±20% 50V F6E7, F2F7, F0D1 .1uF ±20% 50V F0D1

+24V F6B8 910 1W E8B8; F5E9, F2E9, F6D5, F0D5, F0D3 .02uF ±20% 50V F6D3, F2F2

+5V A9C2 1K B5C2

E3, E4, F3, F4

M1-1 B5C4, M1-2 B5C4, M1-3 B5C4, M1-4 B5C4, M1-5 B5C4, M1-0 B5C4

M2A3 C3D6, M2A0 C3D6, M2A2 C3D6

IC43 B5B3, IC44 B5B3, IC42 B5B3, IC40 B5B3, IC45 B5B3, IC41 B5B3

B3, D4, A3, C4, D3, C3

+5V F3F9 160 E7F9; F3G1 510 E7G1

SDHENAB, HDENGSW

+5V A4E8 .1uF ±20% 50V B0E8; A9B1 .1uF ±20% 50V B9B1; B0E6 .1uF ±20% 50V B4E6; B9C2 .1uF ±20% 50V C9C2; B9D4 .1uF ±20% 50V C9D4; B9E5 .1uF ±20% 50V C9E5; C9D4 .1uF ±20% 50V D9D4; C9E8 .1uF ±20% 50V D9E8; E6D7 .1uF ±20% 50V E0D7

DECOUPLING CAPACITORS FOR TTL PACKAGES

A4G0 6.8uF ±20% 35V B2G0; E6B5 6.8uF ±20% 35V D8B5; F6B5 .1uF ±20% 50V F0B5

1A GRD, 1Z GRD, 1K SPARE, 2J SPARE

SPARES

CO-ORDINATE WITHIN THE LOGIC SYMBOL INDICATES THIS PIN OF PACKAGE

TYPICAL PIN ORIENTATION WITH VOLTAGE AND GROUND CONNECTIONS

NOTES:

1. FOR ASSEMBLY SEE 2479 1261 ER DATE 2-22-75
2. CODES USED FOR DENOTING COMPONENT PART NUMBERS ARE AS FOLLOWS:

I.C.'S	TRANSISTORS	DIODES
M1-1471 4356	A-1476 1118	A-1471 4661
M2A-1447 3516		
IC1-1447 3540	RESISTOR PKG	
IC2-1447 3755	A-2472 0008	
IC3-1447 3771		
IC4-1449 1260 (D-TYPE FLIP FLOP)		
IC5-2479 1253 (DUAL POS NOR PERIPHERAL DR)		
JK2-1472 7721		
M1R-1479 0224		

3. LAST DIGIT OF I.C. CODE INDICATES ITS ELEMENT NUMBER.

UNLESS OTHERWISE SPECIFIED:
ALL DISCRETE RESISTANCE VALUES ARE IN OHMS, ±5%, 1/2W
ALL RESISTOR PKG RESISTANCE VALUES ARE IN OHMS, ±2%, 1/8W

CARD LOC

DWG. NO. 2479 1279 — PAGE 1 OF 1

PAGE	E.C.R. DATE	REV
1	2-22-75	B

L-161

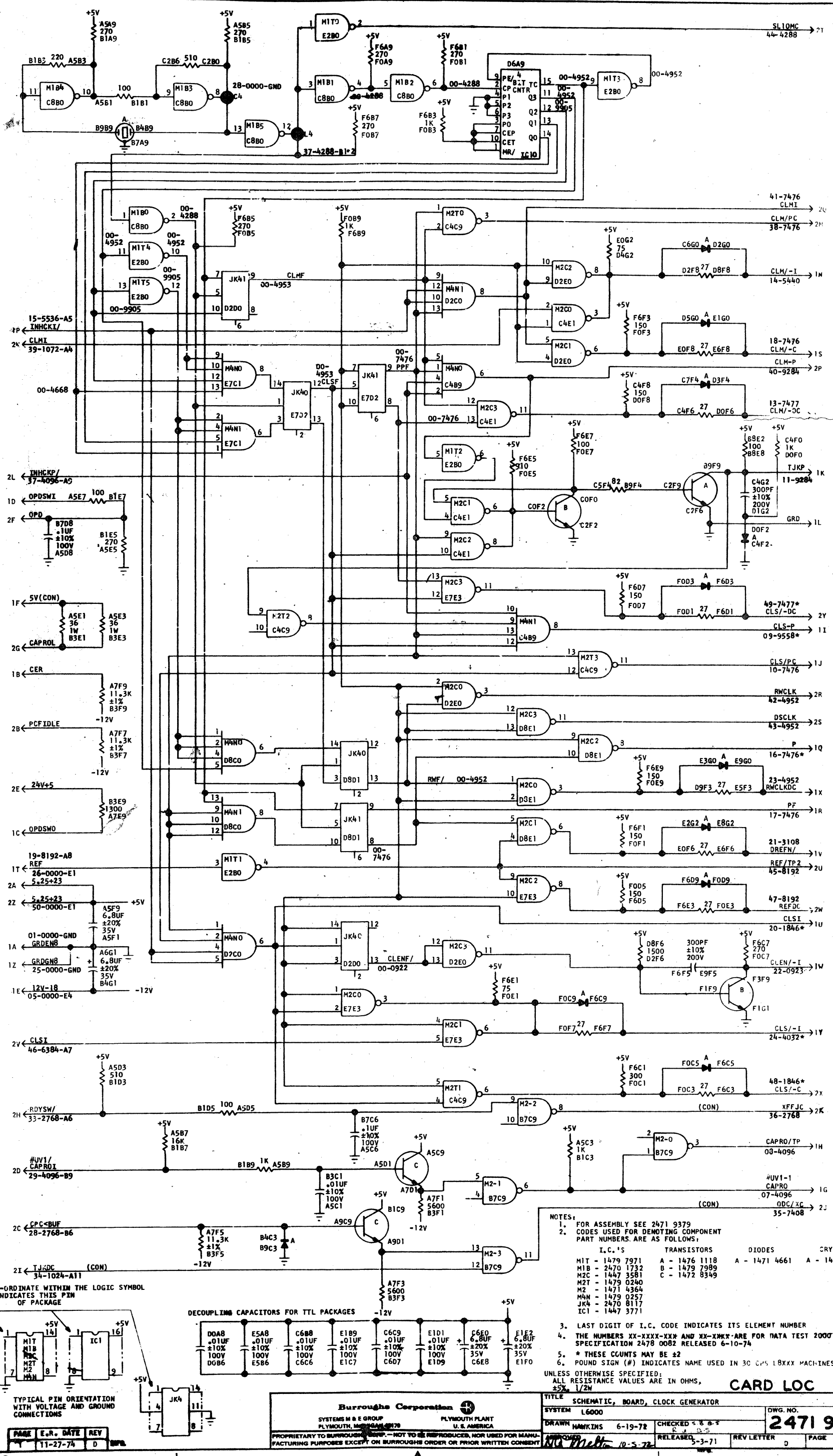
TITLE	SCHEMATIC, BOARD, TIMING/RIBBON DR 60CPS		
SYSTEM		DWG NO.	2479 1279
DRAWN MAXFIELD 4-28-75	CHECKED R. WINSHIP 4-29-75, J. HILL 5-5-75		
APPROVED	RELEASED 10-15-74	REV LETTER B	PAGE 1 OF 1

OK FOR LAYOUT R. WINSHIP 4-29-75

INPUT

SCHEMATIC

OUTPUT



NOTES:
1. FOR ASSEMBLY SEE 2471 9379
2. CODES USED FOR DENOTING COMPONENT PART NUMBERS ARE AS FOLLOWS:

I.C.'S	TRANSISTORS	DIODES	CRYSTAL
M1T - 1479 7971	A - 1476 1118	A - 1471 4661	A - 1485 1026
M1B - 2470 1732	B - 1479 7989		
M2C - 1447 3581	C - 1472 8349		
M2T - 1479 0240			
M2 - 1471 4364			
M4N - 1479 0257			
JK4 - 2470 8117			
IC1 - 1447 3771			

3. LAST DIGIT OF I.C. CODE INDICATES ITS ELEMENT NUMBER
4. THE NUMBERS XX-XXXX-XX* AND XX-XXXX-ARE FOR DATA TEST 2000 PROGRAM SPECIFICATION 2478 0082 RELEASED 6-10-74
5. * THESE COUNTS MAY BE ±2
6. POUND SIGN (#) INDICATES NAME USED IN 30 CPS L8XXX MACHINES

UNLESS OTHERWISE SPECIFIED:
ALL RESISTANCE VALUES ARE IN OHMS, ±5%, 1/2W

CARD LOC

DWG. NO. 2471 9395 PAGE 1 OF 1

PAGE	E.R. DATE	REV
1	11-27-74	D

Burroughs Corporation
SYSTEMS M & E GROUP PLYMOUTH, MICHIGAN 48170
PLYMOUTH PLANT U. S. AMERICA

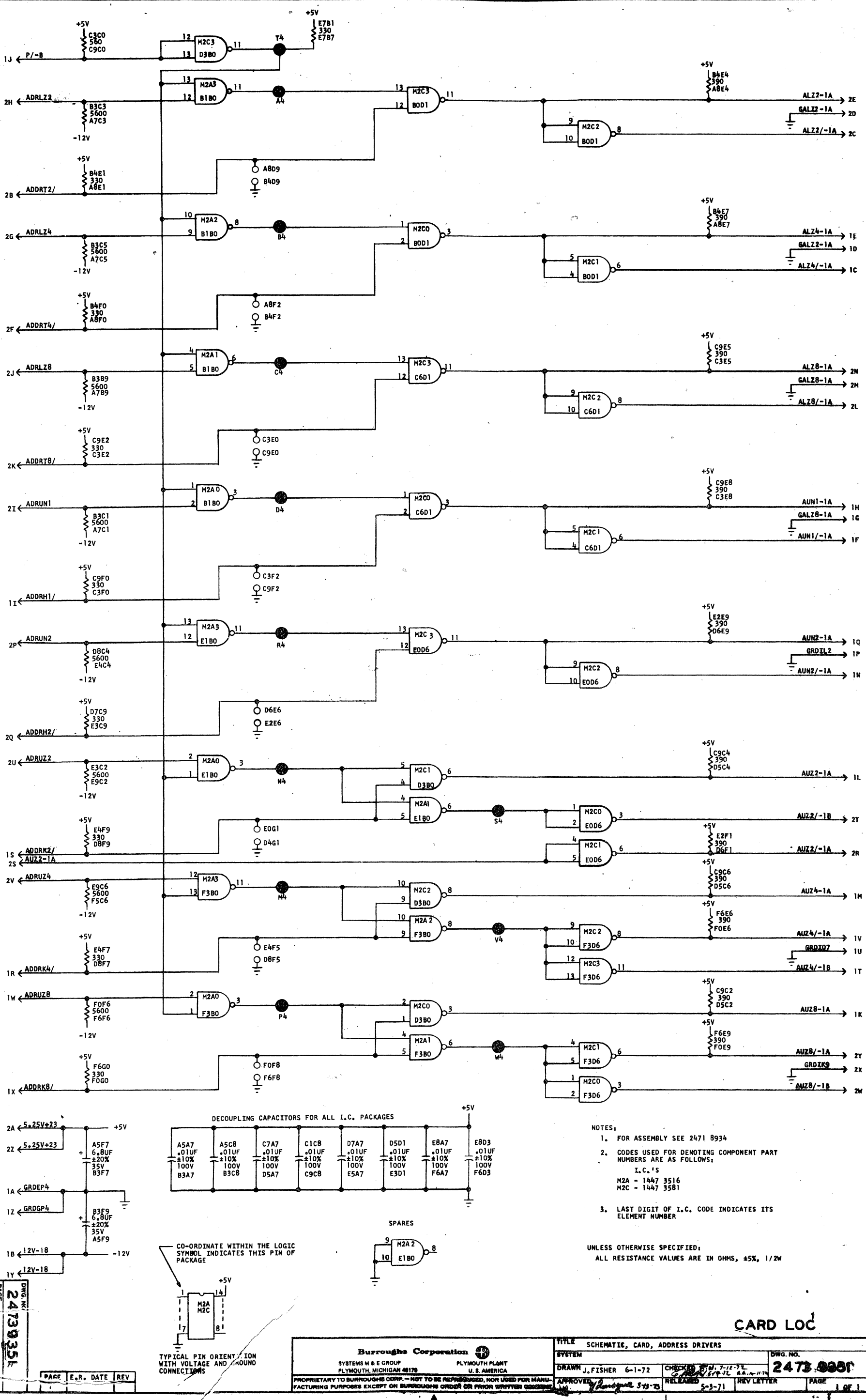
TITLE	SCHEMATIC, BOARD, CLOCK GENERATOR		
SYSTEM	L6000	DWG. NO.	2471 9395
DRAWN	HAWKINS 6-19-72	CHECKED	R J D S
APPROVED	10-5-72	RELEASED	5-3-71
REV LETTER	D	PAGE	1 OF 1

L6-69

INPUT

SCHEMATIC

OUTPUT



DECOUPLING CAPACITORS FOR ALL I.C. PACKAGES

+5V

A5A7 .01UF ±10% 100V B3A7	A5C8 .01UF ±10% 100V B3C8	C7A7 .01UF ±10% 100V D5A7	C1C8 .01UF ±10% 100V C9C8	D7A7 .01UF ±10% 100V E5A7	D5D1 .01UF ±10% 100V E3D1	E8A7 .01UF ±10% 100V F6A7	E8D3 .01UF ±10% 100V F6D3

2A 5.25V+23
2Z 5.25V+23
A5F7 6.8UF ±20% 35V B3F7
1A GRDEP4
1Z GRDGP4
B3F9 6.8UF ±20% 35V A5F9
1B 12V-18
1Y 12V-18

CO-ORDINATE WITHIN THE LOGIC SYMBOL INDICATES THIS PIN OF PACKAGE

TYPICAL PIN ORIENTATION WITH VOLTAGE AND GROUND CONNECTIONS

SPARES

NOTES:

1. FOR ASSEMBLY SEE 2471 8934
2. CODES USED FOR DENOTING COMPONENT PART NUMBERS ARE AS FOLLOWS:
   I.C.'S
   M2A - 1447 3516
   M2C - 1447 3581
3. LAST DIGIT OF I.C. CODE INDICATES ITS ELEMENT NUMBER

UNLESS OTHERWISE SPECIFIED:
ALL RESISTANCE VALUES ARE IN OHMS, ±5%, 1/2W

CARD LOC

PAGE 1 OF 1 DWG. NO. 2473935

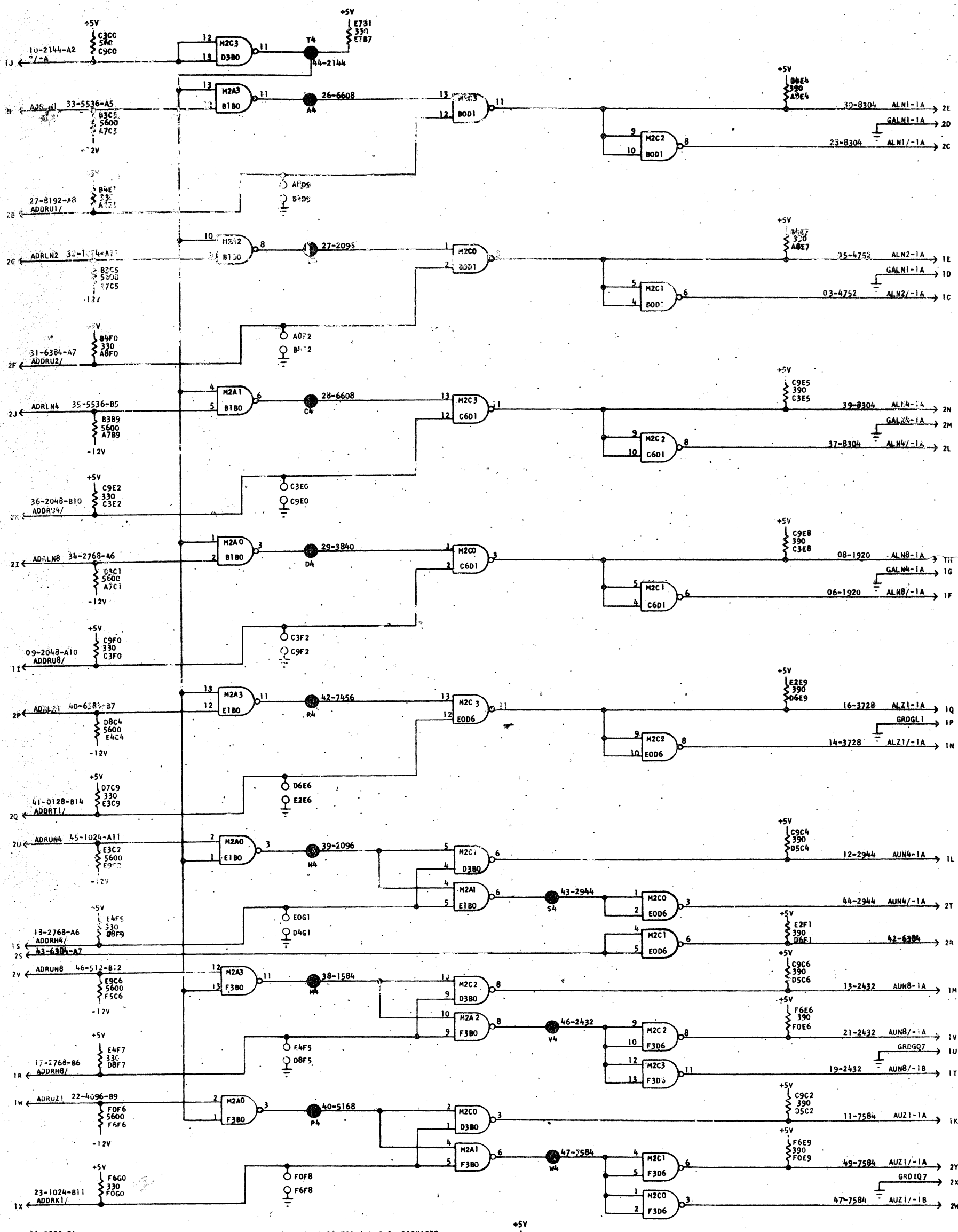
PAGE	E.R. DATE	REV

Burroughs Corporation

SYSTEMS M & E GROUP PLYMOUTH, MICHIGAN 48170 — PLYMOUTH PLANT U.S. AMERICA

TITLE SCHEMATIC, CARD, ADDRESS DRIVERS			
SYSTEM			DWG. NO. 2473 [illegible]
DRAWN J. FISHER 6-1-72	CHECKED [illegible] 7-12-72		
APPROVED [illegible] 7-13-72	RELEASED 5-3-71	REV LETTER	PAGE 1 OF 1

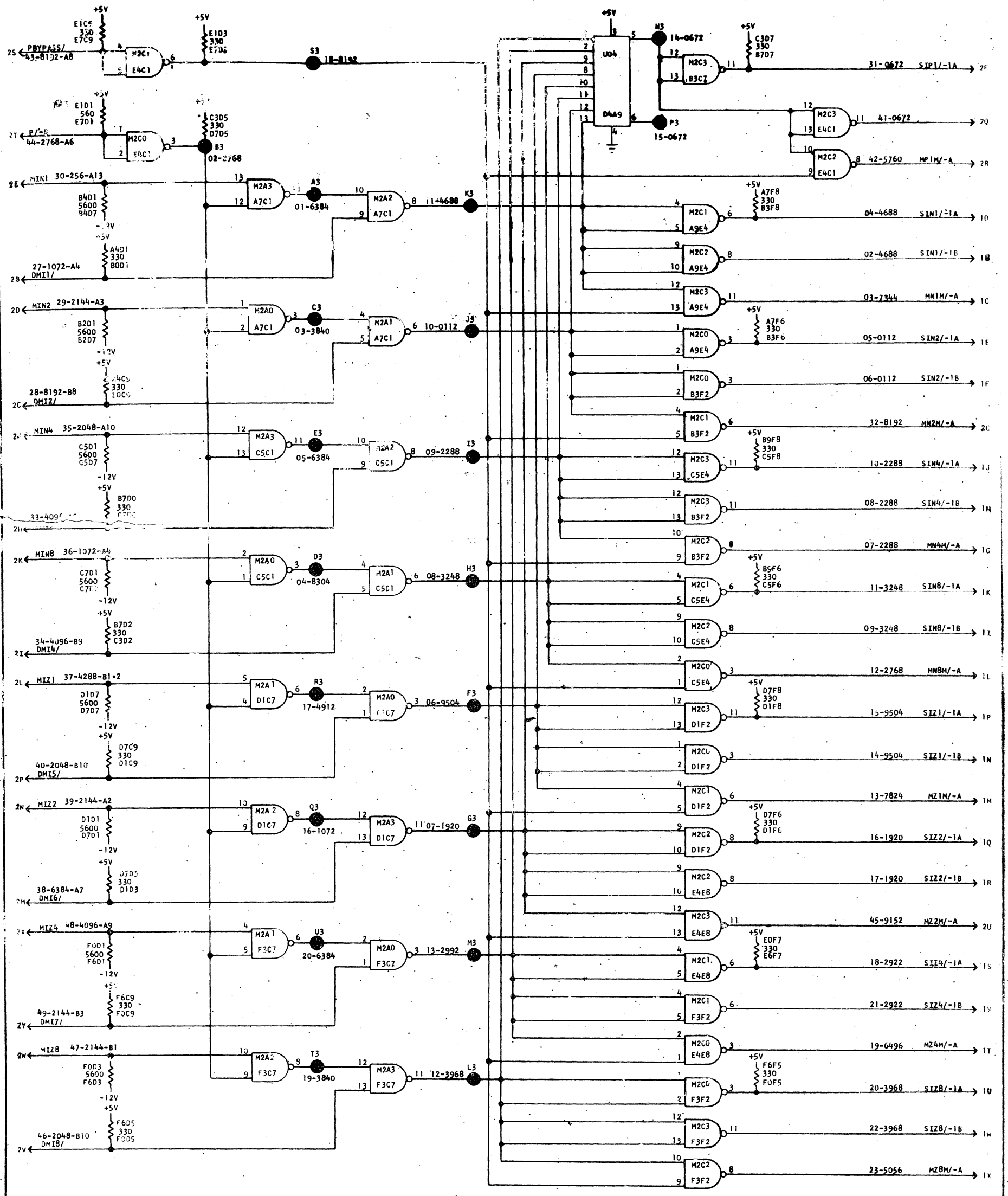
INPUT | SCHEMATIC | OUTPUT



INPUT

SCHEMATIC

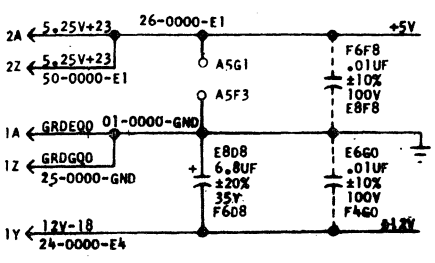
OUTPUT

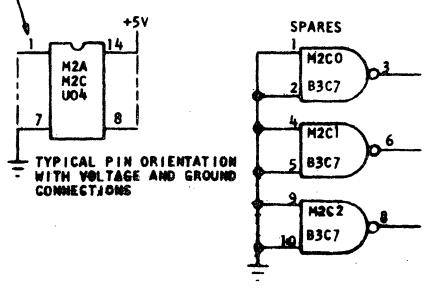


DECOUPLING CAPACITORS FOR ALL I.C. PACKAGES

+5V

C9A7 .01UF ±10% 100V C9B5	A9B9 .01UF ±10% 100V A9C7	B8C7 6.8UF ±20% 35V B8B9	C7B9 .01UF ±10% 100V C7C7	D7C7 .01UF ±10% 100V D7B9	E6B7 6.8UF ±20% 35V E6C5	F1C7 .01UF ±10% 100V F1B9	A4E2 6.8UF ±20% 35V A4F0	B8F2 6.8UF ±20% 35V B8E4	C7E2 6.8UF ±20% 35V C7F0	D6F2 6.8UF ±20% 35V D6E4	E6E6 6.8UF ±20% 35V E6F4	F1F2 6.8UF ±20% 35V F1E4





NOTES:

1. FOR ASSEMBLY SEE 2471 8892
2. CODES USED FOR DENOTING COMPONENT PART NUMBERS ARE AS FOLLOWS:

   I.C.'S

   M2A - 1447 3516
   M2C - 1447 3581
   U04 - 2472 5616

3. LAST DIGIT OF I.C. CODE INDICATES ITS ELEMENT NUMBER
4. THE NUMBERS XX-XXXX AND XX-XXXX-XXX ARE FOR DATA TEST 2000 TESTER PROGRAM SPECIFICATION 2478 0033 RELEASED 6-10-74.

UNLESS OTHERWISE SPECIFIED:

ALL RESISTANCE VALUES ARE IN OHMS, ±5%, 1/2W

CARD LOC

DWG. NO. 2471 8918 PAGE 1 OF 1

PAGE	E.R. DATE	REV
1	6-21-74	

Burroughs Corporation
SYSTEMS M & E GROUP PLYMOUTH PLANT
PLYMOUTH, MICHIGAN 48170 U. S. AMERICA

TITLE SCHEMATIC, BOARD, INPUT/PARITY GEN
SYSTEM
DRAWN C. HENRY 5-1-72
CHECKED 5-19-72 5-9-73
APPROVED 5-13-73
RELEASED 5-3-71
REV LETTER A
DWG. NO. 2471 8918
PAGE 1 OF 1

LG-54

INPUT

SCHEMATIC

OUTPUT

+5V C4F9 510 D0F9 — 12-5536-A5 INHP/ — 1L

+5V D9F9 330 D3F9 — 41-6384-A7 RWCLK — 2Q — D3F7 430 D9F7

5.25V+23 35-0000-E1 — 2J

5.25V+23 36-0000-E1 — 2K

E1F7 — E7F7 — E9F8 — F5F8 — -12V — 1V

+5V F5G2 — E9G2 — E9F4 — F5F4 — -12V — 1U

+5V A6E5 560 B2E5 — A6E7 51 B2E7 — 2B — 29-4096-A9 DWRITE/ — 2D — B4E2 — A6E2

+5V D3E1 330 D9E1 — 40-4288-A1-2 P — 2P — D3E3 430 D9E3

DWRITE 22-5536-B5 — 1W — E9F0 — F5F0 — -12V

PWRITE-1 23-8192-A8 — 1X — E9F2 5600 F5F2 — -12V

BYPASS 47-1072-A4 — 2W — E9F6 5600 F5F6 — -12V

CLM/-DC 43-4096-A9 — 2S

PORDW 44-2048-A10 — 2T

POR/-I 49-1024-A11 — 2Y

WCLK-1B 02-2768-A6 — 1B

WCLK-1B 03-4096-A9 — 1C

M2C2 D6E9 — 11-7680 P/-B — 1K

M2C3 D6E9 — 10-7680 P/-A — 1J

M4N1 D6D2 — 37-8528 — L4

JK20 D6B5 — Q4 — 41-8028-A19

JK21 D6B5 — P4 — 40-3216-A18

JK20 E4B5 — 42-4048-A17

JK21 E4B5 — S3 — 18-1964-A16

J4 — 35-3212 — 32-1936 — 34 8028 14

M3-0 C7B5 — H3 08-4836 — H4 33-1936

M3-1 C7B5 — 49-3212 — Y4

M1A0 F2D2 — Z4 50-3313

M3-2 C7B5 — 07-3008-B10 — G3 — M2C3 C7E9 — +5V C2G1 910 B6G1 — 08-3008 — 1H

M1B1 E4D2 — T4 44-7414-B20

M2C2 C7E9 — 09-2762 ADDRU1/ — 1I

M2C0 B9D2 — 33-5582 ADDRU2/ — 2H

M2C1 B9D2 — 34-9532 ADDRU4/ — 2I

M2C3 B9D2 — ADDRU8/

M2C2 B9D2 — ADDRT1/ — 2F

43-2608 S4

M2C0 E4E9

+5V F5E3 560 E9E3 — 19-2608 REF — 1T

M1A2 F2D2 — 48-1072 — X4 — M2T2 C7D2 — 05-1072 — E3

M2C0 B1E9 — +5V A8G1 — B4G1 — 07-3216 — 1G

M2C1 B1E9 — +5V A8F9 — B4F9 — 06-3216 PBYPASS/ — 1F

M2C2 B9E9 — +5V C2F9 560 B6F9 — 30-2198 CEN-B — 2E

M2C1 B9E9

M2C0 B9E9 — +5V C2F7 560 B6F7 — 05-2198 CEN-A — 1E

M2C3 B9E9 — M2C2 B1E9 — +5V B4F7 510 A8F7 — 28-6610 DWRITE — 2C

+5V C4G1

M4N0 D6D2 — 17-2144 — R3 — M2C0 D6E9 — DOG1 — 15-2144 — 1P

M1B5 E4D2 — D3B0 510 D9D0 — 16-4288 — Q3

+5V E1F9

F5E1 910 E9E1 — M2C3 E4E9 — E7F9 — 46-4448 — 2V

M1B0 E4D2 — M1B2 E4D2

M2C1 E4E9 — 45-8752 — U4 — M1A3 F2D2 — 46-8752 — V4 — M2T1 C7D2 — 39-7696 — N4 — M2C0 C7E9 — +5V C4E5 330 D0E5 — 39-9264 WCLK-1A — 2N

+5V C4E1 330 D0E1 — 37-9264 WCLK-1B — 2L

M1A4 F2D2 — 47-8192 — W4 — M1A5 F2D2 — 38-8192 — M4 — M2T0 C7D2 — 36-9264 — K4 — M2C1 C7E9

+5V E1G1

+5V E7G1 — 18-9264 PRCLK/ — 1S

M2C2 E4E9

+5V D3G1

+5V D9G1 — 16-8528 PRWCLK/ — 1Q

M2C1 D6E9

+5V E1E1

+5V E7E1 — 42-4096 CLM-DC — 2R

M1B3 E4D2

+5V D3E5

+5V D9E5 — 17-2048 DWRITE — 1R

M1B4 E4D2

M1A1 F2D2 — 48-1024 PORDW — 2X

04-0480 WCLK/-1B — 1D

WCLK/-1B

M2C3 B1E9

2A 5.25V+23 26-0000-E1 — 2Z 5.25V+23 50-0000-E1 — 1A GRDE03 01-0000-GND — 1M GRDEP2 13-0000-GND — 2M GWCLK-1A 38-0000-GND — 1N GRDEP4 14-0000-GND — 2U GPRCLK/ 45-0000-GND — 1Z GRDE07 25-0000-GND — 1Y 12V-1B 24-0000-E4

A6A9 6.8UF ±20% 35V B4A9 — F5A9 6.8UF ±20% 35V E7A9 — A6E0 B4E0 — B4E6 C2E6 — B4B7 C2C7 — C2E3 D0E3 — C2C9 D0C9 — D9E7 D1E7 — D1C6 D9C6 — E1E6 E9E6 — E1C7 E9C7 — +5V E7C9 — F5C9

E7E8 6.8UF ±20% 35V F5E8 — -12V

CO-ORDINATE WITHIN THE LOGIC SYMBOL INDICATES THIS PIN OF PACKAGE

+5V — M1A M1B M2C M2T JK2 — 14 — 7 — 8

TYPICAL PIN ORIENTATION WITH VOLTAGE AND GROUND CONNECTIONS

M2T3 C7B2 — 12 — 13 — 11 — SPARE

NOTES:
1. FOR ASSEMBLY SEE 2471 8850 ER DATE 8-30-73
2. CODES USED FOR DENOTING COMPONENT PART NUMBERS ARE AS FOLLOWS:

I.C.'S

M1A - 1447 3532		M3 - 1471 4372	
M1B - 2470 1732		M4N - 1479 0257	
M2C - 1447 3581		JK2 - 1472 7721	
M2T - 1479 0240			

3. LAST DIGIT OF I.C. CODE INDICATES ITS ELEMENT NUMBER
4. THE NUMBERS XX-XXXX-XXX AND XX-XXXX ARE FOR THE DATA TEST 2000 TESTER PROGRAM SPECIFICATION 2478 0025 RELEASED 1-25-75

UNLESS OTHERWISE SPECIFIED:
ALL RESISTANCE VALUES ARE IN OHMS, ±5%, 1/2W
ALL CAPACITORS ARE .01UF, ±10%, 100V

CARD LOC

PAGE 1 OF 1 — DWG. NO. 2471 8876

PAGE	E.R. DATE	REV
1	1-25-75	B

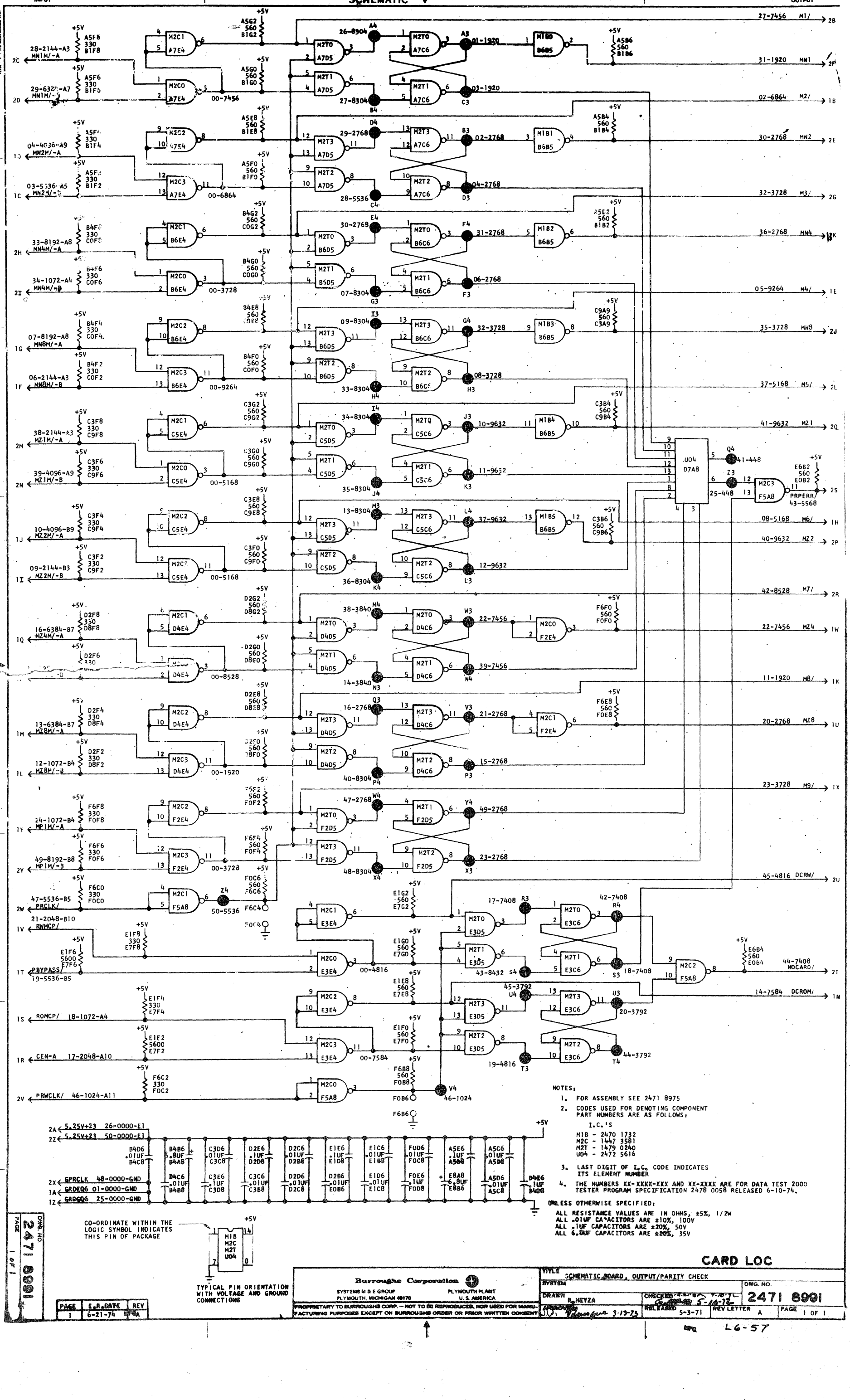
Burroughs Corporation
SYSTEMS M & S GROUP PLYMOUTH, MICHIGAN 48170 — PLYMOUTH PLANT U.S. AMERICA

TITLE SCHEMATIC, BOARD, CONTROL/REFRESH
SYSTEM
DRAWN V.A. OLAH
CHECKED 5-6-76
RELEASED 5-3-71
DWG. NO. 2471 8876
REV LETTER B
PAGE 1 OF 1

INPUT

SCHEMATIC

OUTPUT



NOTES:

1. FOR ASSEMBLY SEE 2471 8975
2. CODES USED FOR DENOTING COMPONENT PART NUMBERS ARE AS FOLLOWS:

   I.C.'S

   M1B - 2470 1732
   M2C - 1447 3581
   M2T - 1479 0240
   U04 - 2472 5616

3. LAST DIGIT OF I.C. CODE INDICATES ITS ELEMENT NUMBER
4. THE NUMBERS XX-XXXX-XXX AND XX-XXXX ARE FOR DATA TEST 2000 TESTER PROGRAM SPECIFICATION 2478 0058 RELEASED 6-10-74.

UNLESS OTHERWISE SPECIFIED:

ALL RESISTANCE VALUES ARE IN OHMS, ±5%, 1/2W
ALL .01UF CAPACITORS ARE ±10%, 100V
ALL .1UF CAPACITORS ARE ±20%, 50V
ALL 6.8UF CAPACITORS ARE ±20%, 35V

CO-ORDINATE WITHIN THE LOGIC SYMBOL INDICATES THIS PIN OF PACKAGE

TYPICAL PIN ORIENTATION WITH VOLTAGE AND GROUND CONNECTIONS

CARD LOC

PAGE	E.C.R. DATE	REV
1	6-21-74	A

Burroughs Corporation

SYSTEMS M S E GROUP, PLYMOUTH, MICHIGAN 48170 — PLYMOUTH PLANT, U. S. AMERICA

TITLE: SCHEMATIC BOARD, OUTPUT/PARITY CHECK			
SYSTEM			DWG. NO. 2471 8991
DRAWN: R. HEYZA	CHECKED: 5-10-74		
APPROVED: 3-13-75	RELEASED: 5-3-71	REV LETTER: A	PAGE: 1 OF 1

MFG L6-57

PAGE 1 of 1 — DWG. NO. 2471 8991

INPUT

SCHEMATIC

OUTPUT

11-8192-B9 MTR/ 1K

07-6384-A7 D2-I 1G

32-1024-B11 D1-I 2G

02-0016-A17 D4-I 1B

27-0128-A14 D3-I 2B

05-8192-A8 D6-I 1E

03-0512-B12 D5-I 1C

06-2049-A9 D8-I 1F

31-0256-B13 D7-I 2F

30-0064-B15 PBRPR/ 2E

16-4288-A1 & 2 IOCF 1Q, DSAF 1J, TJKP 1H

08-1072-A4

22-1072-B4 WTC15 1W

40-2768-B6 DATAIF/ 2P

43-8192-B8 DS/ 2S

09-4096-A9 BOT 1I

20-6384-B7 RDCLK/ 1U

35-2144-B3 RTF 2J

04-1024-A11 RWC8F 1D

28-0512-A12 RWC1F 2C

15-0256-A13 IM4F 1P

19-4096-A9 IM2F 1T

2A +5V 26-0000-E1

2Z +5V 50-0000-E1

1A GND 01-0000-GND

1Z GND 25-0000-GND

D4 29-0000 — FWSP/ — JK10 A1 — 06-4784 F3 FWRONF

IOCAE — D1-I — 10-4784 J3 MTRONF/

FWR/ — FWSP/ — JK11 A1 — 27-4400 B4 FWRWDF — 32-4400 G4 FWRWDF/

FWSP/ — JK10 A3 — 28-6640 C4 R/WF — 36-6640 K4 R/WF/

PORPR/ — FWSP/ — JK11 A3 — M4 GOF — 38-4848 — K3 GOF/ — 11-4848

PORPR/

10-1072-A4 — M3-0 B5 — IOCAE/ — C3 — 03-9376 — M1-5 B3 — D3 — 04-9376

X4 48-0000 — WSP/ — JK20 F3 — WCLKF — 12-5536 L3 — WCLKF/ — 46-5536 V4

WSP/ — JK21 F3 — WDATAF — 47-4208 W4 — WDATAF/ Z4 50-7408

49-7408 Y4 — M2-1 D5 — WDATAJ — M1-1 E3

DS/ — JK20 D1 — RDATAF — 39-4096 N4 RDATAF/

RWC8F — M1-5 C5 — T4 34-1024 — M1-3 C5 — T3 19-6432 — M1-2 C5 — BOT

M1-0 E3 — BOT/ — 30-4096 E4

M3-2 B5 — RTF — TJKP — DSAF

M3-1 B5 — MODE — DSAF — DCTLIN/ — 20-6384 U3

M1-4 C5 — 16-6576 Q3 — DCTLIN/ — M2-3 D5 — CLKA/ — TJKP — GOF

M5-1 A5 — RWC8F — DSAF — RWC1F — TR-A

M5-0 A5 — GOF/ — BOT/ — DSAF — FWRWDF/ — TR-B

M2-0 D5 — IOCF — Q4 41-2400 — I4IOC/ — DSAF — IM4F — DCTLOT/ — 42-5792 R4

M1-0 E5 — IM2F/4 — R3 17-4096 — M1-1 E5 — IM2F — M1-2 E5

MTRONF — BOT — FWRWDF/ — M3-2 B1 — 8

PORPR/ — M1-1 B3 — PORPR-1 — 31-0064 F4 — M1-2 B3 — A4 26-0064

MTRONF — FWRWDF/ — MTR/ — M3-0 B1 — 12 — 33-7232 FWD/

FWRWDF/ — MTRONF — MTR/ — M3-1 B1 — 6 — 36-4800 FWRWD/

FWD/ — M1-4 B3 — 10 WMODFD

M1-1 C5 — 4 — WMODE — 34-5072 — L4

GOF/ — M1-2 C1 — 6 — M1-0 C5 — 2 — 12-5070 WMODE/

MTR/ — M2-0 E1 — 3 — 21-2832 WCLKE

WMODFD — M2-3 D3 — 11 — 41-4916 WC0

RDCLK — M2-2 F5 — 8 — WCLKE — 45-6432 U4 — M2-3 F5 — 11 — WCLKF

WMODFD — M2-2 D3 — 8 — 42-4288 WC1

WCLKF/ — RWCLK/ — RDATAF — M3-2 C3 — 8 — 38-3312 WD0

M1-3 E3 — 8 — T4 44-4208 — M1-4 E3 — 10 — S4 43-4208

M2-0 D5 — 3 — 14-4496 WD1

WDATA — M2-0 F5 — 3 — 48-7136 DATAIN/

MTR/ — M1-3 B3 — 8 MTR — 33-8129 W4

M2-1 E1 — 6 — RDATAF — 47-4096 RDATAF

RDATAF/ — R/WF/ — RWCLK — M3-1 C3 — 6 — ZRODF/ — M1-3 C1 — 8 — 39-0320 ZRODF

V3 21-8192

RDATAF — RWCLK — M2-3 E1 — 11 — M1-4 C1 — 10 — J4 35-2100

M1-2 E3 — 6 — 40-8192 P4

S3 18-8192

M3 13-0000 RMFS/

MTRONF/ — M1-5 C1 — 12

GOF/ — M1-0 C1 — 2

ZRODF — RWCLK/ — GOF/ — JK21 D1 — M3 RMODEF 14-0032

RMODEF/ — 15-0032 P3

M2-2 E1 — 8

RMODEF/ — MTR/ — R/WF/ — M3-0 C3 — 12

GOF/ — M1-1 C1 — 4

M3 23-0032-A16

JK21 F1 — 22-8192 W3 — JK20 F1 — 25-8160 Z3 — 24-8160 Y3

37-6368 RSCTR/

34-6576 DCTLIN/

13-0032 CLKA/

RWCLK — GOF — M2-1 D3 — 6

M1-5 E3 — 12 — CLKB/ — 45-6432 CLKB/

29-8736 TR-I

M1-5 E5 — 12 — DCTLOUT — 44-5792 DCTLOUT

M1-4 E5 — 10 — IOCIM2/4 — IOCIM24

18-3120 IOCIM2/4

17-3376 IOCIM24

THIS GATE IS RESERVED FOR USE IN MTR DIAGNOSTIC PROCEDURES

M1 M2 M3 M5 JK1 JK2 — +5V

THIS TOOL IS USED TO ELIMINATE WEAK VOLTAGE AND GROUND CONNECTIONS

NOTES:

1. FOR ASSEMBLY SEE 2471 9494
2. COORDINATE WITHIN THE LOGIC SYMBOL INDICATES LOCATION OF PACKAGE
3. CODES USED FOR DENOTING COMPONENT PART NUMBERS ARE AS FOLLOWS:

   I.C.'S

   M1 - 1471 4356
   M2 - 1471 4364
   M3 - 1471 4372
   M5 - 1471 4398
   JK1 - 1472 8331
   JK2 - 1472 7721

4. LAST DIGIT OF I.C. CODE INDICATES IT ELEMENT NUMBER
5. THE NUMBERS XX-XXXX AND XX-XXXX-XXX ARE FOR DATA TEST 2000 TESTER PROGRAM SPECIFICATION 2478 0124 RELEASED 6-10-74.

CARD LOC

PAGE 1 of 1 — DWG. NO. 2471 9510

PAGE	E.A. DATE	REV
1	7-29-74	C

TITLE SCHEMATIC, BOARD, DATA SAVE CONTROL

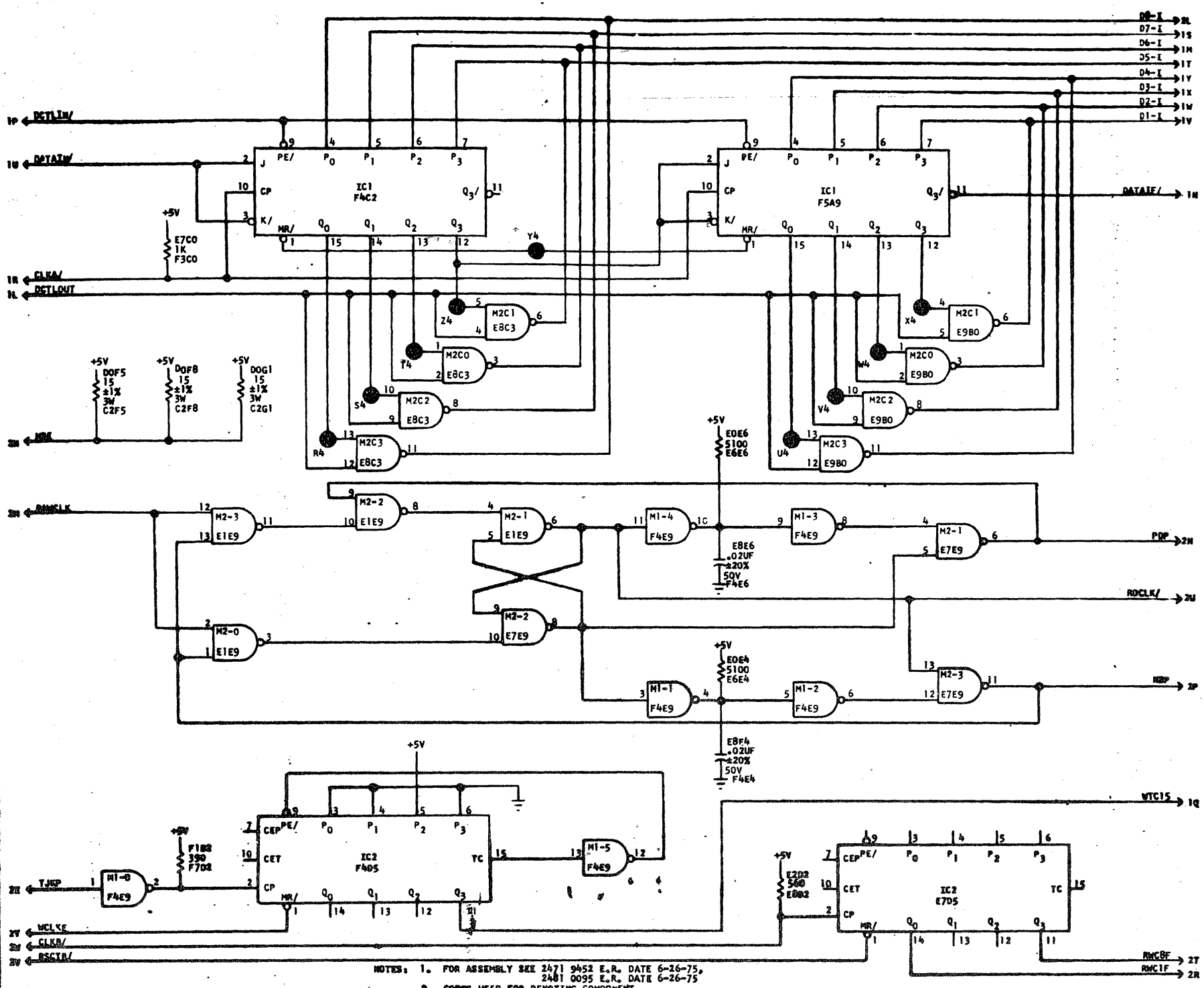
SYSTEM

DWG. NO. 2471 9510

DRAWN HOFFMANN 9-22-72 — CHECKED R. Alle 10-3-72

APPROVED — RELEASED 5-3-71 — REV LETTER — PAGE 1 OF 1

U-65



NOTES:

1. FOR ASSEMBLY SEE 2471 9452 E.R. DATE 6-26-75, 2481 0095 E.R. DATE 6-26-75

2. CODES USED FOR DENOTING COMPONENT PART NUMBERS ARE AS FOLLOWS:

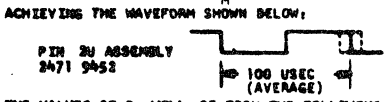
I.C.'S	DIODES	TRANSISTORS
M1 - 1471 4356	A - 1471 4703	A - 1471 4786
M2 - 1471 4364	B - 1471 4737	B - 2473 4980
M2C - 1447 3581	C - 1319 0111	C - 1471 4828
IC1 - 1447 3755	D - 1471 4687	D - 1473 4255
IC2 - 1447 3771	E - 1472 8604	E - 1477 3451
IC3 - 1479 0273		F - 1471 4778
IC4 - 1471 4406		

3. LAST DIGIT OF I.C. CODE INDICATES ITS ELEMENT NUMBER

4. SELECTION OF R_M (MOTOR SPEED) APPLICABLE TO ASSY 2471 9452 ONLY

THE VALUE OF R_M MUST BE SELECTED FOR EACH ASSEMBLY 2472 9188 (DATA SAVE). UPON SELECTION AND INSERTION OF THE APPROPRIATE VALUE OF R_M IT IS NECESSARY THAT THE PWB (ASSEMBLY 2471 9452) AND ASSEMBLY 2472 9188 (DATA SAVE) BE IDENTIFIED AND INSTALLED INTO THE SAME MACHINE.

THE SELECTION IS ACCOMPLISHED BY APPLYING THE PROPER D.C. VOLTAGES WITHIN ±2%, INSERTING THE REFERENCE CARTRIDGE (SUPPLIED BY PRODUCT ENGINEERING) INTO ASSEMBLY 2472 9188 (DATA SAVE) AND PROVIDING FORWARD MOTION. OBSERVE SIGNAL RDCLK/ AT PIN 2U OF ASSEMBLY 2471 9452. IT WILL INDICATE THE SPEED OF THE TAPE. SELECT AND INSERT THE VALUE OF R_M WHICH COMES CLOSEST TO ACHIEVING THE WAVEFORM SHOWN BELOW:



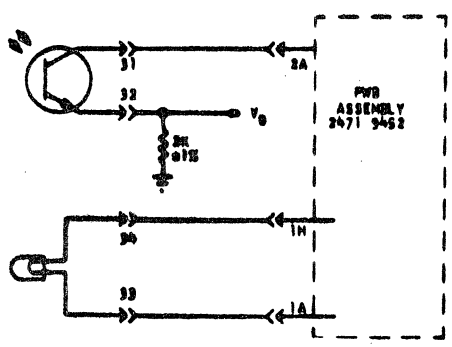
THE VALUES OF R_M WILL BE FROM THE FOLLOWING RESISTANCE

RANGE:				
8200 OHMS	3000 OHMS	1800 OHMS	1000 OHMS	
5100 OHMS	2400 OHMS	1500 OHMS	820 OHMS	
3900 OHMS	2000 OHMS	1200 OHMS		

5. SELECTION OF R_L (LIGHT SOURCE) APPLICABLE TO ASSY 2471 9452 ONLY

PRIOR TO SELECTION OF R_L ADJUST THE DISTANCE FROM THE LIGHT HOUSING ASSEMBLY (2473 0244) TO THE METAL PLATE OF THE CARTRIDGE TO .040". THE VALUE OF R_L MUST BE SELECTED FOR EACH ASSEMBLY 2472 9188 (DATA SAVE). UPON SELECTION AND INSERTION OF THE APPROPRIATE VALUE OF R_L IT IS NECESSARY THAT THE PWB (ASSEMBLY 2471 9452), DATA CARTRIDGE (2479 0905) AND THE ASSEMBLY 2472 9188 (DATA SAVE) BE IDENTIFIED AND INSTALLED INTO THE SAME MACHINE.

THE SELECTION IS ACCOMPLISHED BY MAKING THE FOLLOWING CONNECTIONS TO THE PWB ASSEMBLY (2471 9452) WITH ALL POWER SUPPLIES WITHIN ±5% OF THE NOMINAL VALUE.



PART OF ASSEMBLY 2472 9188 (DATA SAVE)

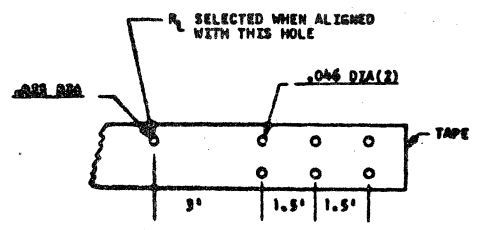
5. (CONT'D)

THE TAPE IN THE DATA CARTRIDGE HAS A HOLE IN THE TAPE FOR SENSING THE BEGINNING OF TAPE*. THE TAPE IS MOVED TO THE POINT WHERE THE LIGHT SOURCE IS ALIGNED WITH THE HOLE IN THE TAPE. THE ALIGNMENT SHALL BE OPTIMIZED BY MOVING THE TAPE UNTIL V_0 IS AT MAXIMUM. IF THE OPTIMIZED OUTPUT VOLTAGE IS BETWEEN 1.2 VOLTS AND 2.5 VOLTS, DO NOT INSERT A RESISTOR IN THE R_L POSITION. IF THE OPTIMIZED VOLTAGE IS LESS THAN 1.2 VOLTS THE PHOTO ASSEMBLY IS DEFECTIVE. IF THE OPTIMIZED VOLTAGE IS GREATER THAN 2.5 VOLTS, SELECT A RESISTOR, R_L, FROM THE LIST BELOW TO OBTAIN AN OPTIMIZED VOLTAGE AS CLOSE TO 2.0 VOLTS AS POSSIBLE.

	390 OHMS	620 OHMS	820 OHMS	1200 OHMS
360 OHMS	510 OHMS	750 OHMS	1000 OHMS	1500 OHMS

UPON COMPLIANCE WITH THE OPTIMIZED VOLTAGE SPECIFICATION MOVE THE TAPE FORWARD (OR BACKWARD) APPROXIMATELY THREE INCHES. THE MAXIMUM VOLTAGE OUTPUT SHALL BE 0.30 VOLTS.

* THERE ARE SEVERAL GROUPS OF HOLES IN THE TAPE. MAKE THE ABOVE ADJUSTMENTS WHILE ALIGNED WITH THE HOLE SHOWN ON THE SKETCH BELOW:

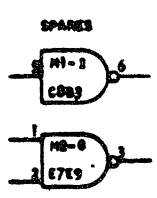


TAPE CARTRIDGE HOLE PATTERN

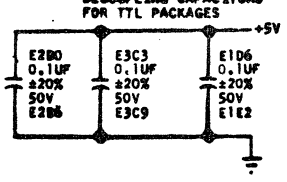
RESISTANCE VALUE	PART NUMBER
360	1268 2217
390	1268 2225
510	1268 2258
620	1268 2274
750	1268 2290
820	1268 2308
1000	1268 2324
1200	1268 2340
1500	1268 2365
1800	1268 2381
2000	1268 2399
2400	1268 2415
3000	1268 2431
3900	1268 2464
5100	1268 2498
8200	1268 2548

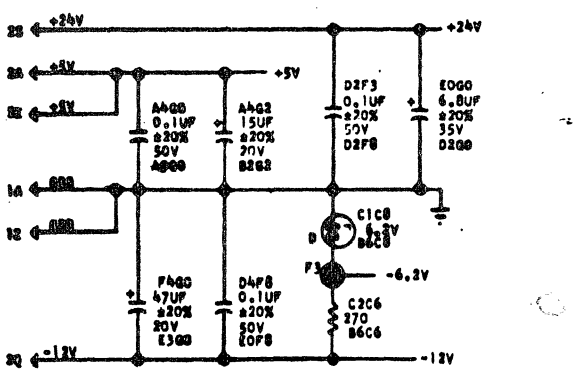
UNLESS OTHERWISE SPECIFIED:
ALL RESISTANCE VALUES ARE IN OHMS, ±5%, 1/8W

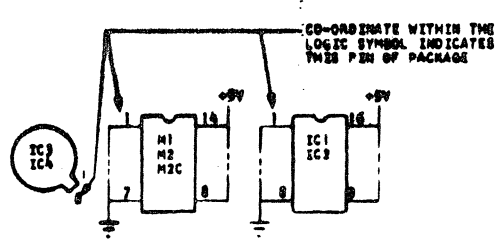
SPARES



DECOUPLING CAPACITORS FOR TTL PACKAGES







TYPICAL PIN ORIENTATION WITH VOLTAGE AND GROUND CONNECTIONS

PAGE	E.R. DATE	REV
1	6-26-75	C
2	6-26-75	C

DWG. NO. 2471 9478 SHEET 1 of 2

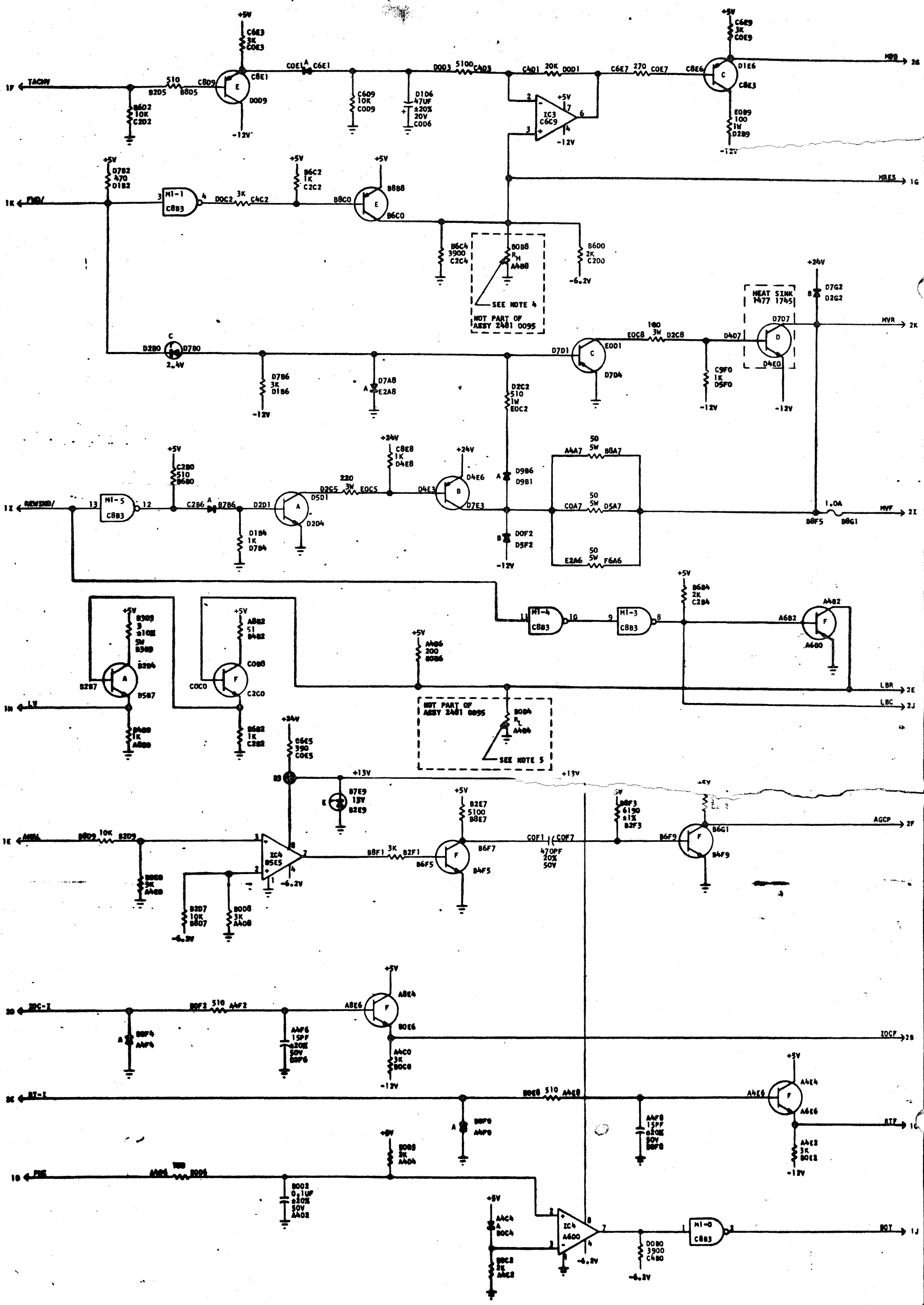
L6-95

Burroughs Corporation
SYSTEMS M & E GROUP, PLYMOUTH, MICHIGAN 48170 — PLYMOUTH PLANT, U.S.A.

TITLE	SCHEMATIC, BOARD, DATA SAVE TIMING		
SYSTEM			Dwg. No. 2471 9478
DRAWN	PATRICK 9-13-72	CHECKED	
APPROVED	12/6/72	RELEASED	5-3-71
REVLETTER	C	PAGE	1 OF 2

CARD LOC

SCHEMATIC



DWG. NO.	2471 9478
PAGE	2 of 2

Burroughs Corporation

SYSTEMS M & E GROUP — PLYMOUTH PLANT
PLYMOUTH, MICHIGAN 48170 — U.S.A.

CARD LOC

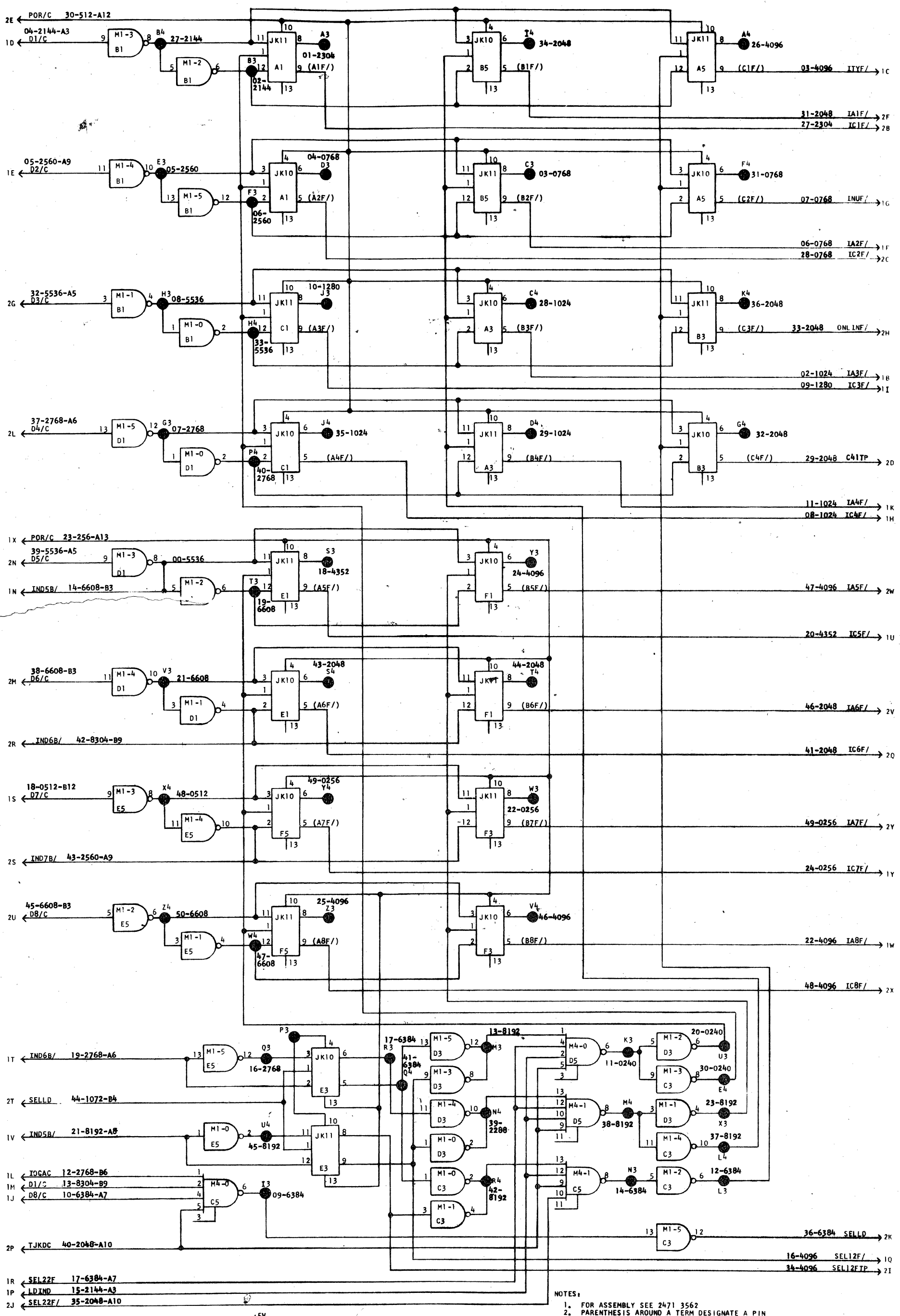
TITLE	SCHEMATIC, BOARD, DATA SAVE TIMING		
SYSTEM		DWG. NO.	2471 9478
DRAWN	PATRICK 9-13-72	CHECKED	6-6-73
APPROVED		RELEASED	5-3-71
REV LETTER	C	PAGE	2 OF 2

L6-95

INPUT

SCHEMATIC

OUTPUT



NOTES:

1. FOR ASSEMBLY SEE 2471 3562
2. PARENTHESIS AROUND A TERM DESIGNATE A PIN DESCRIPTION, NOT A LOGIC NAME
3. CO-ORDINATE WITHIN THE LOGIC SYMBOL INDICATES LOCATION OF PACKAGE
4. CODES USED FOR DENOTING COMPONENT PART NUMBERS ARE AS FOLLOWS:
   I.C.'S
   M1 - 1471 4356
   M4 - 1471 4380
   JK1 - 1472 8331
5. LAST DIGIT OF I.C. CODE INDICATES ITS ELEMENT NUMBER
6. THE NUMBERS XX-XXXX AND XX-XXXX-XXX ARE FOR DATA TEST 2000 TESTER PROGRAM SPECIFICATION 2478 0140 RELEASED 6-10-74.

CARD LOC

PAGE	E.R.DATE	REV
1	6-21-74	MFG

TITLE SCHEMATIC, BOARD, AND STORAGE & CONTROL
SYSTEM
DRAWN C. BERNDT
CHECKED J. Hill 3-26-73
APPROVED 3-21-73
RELEASED 5-3-71
DWG NO 2474 3569
REV LETTER A
PAGE 1 OF 1

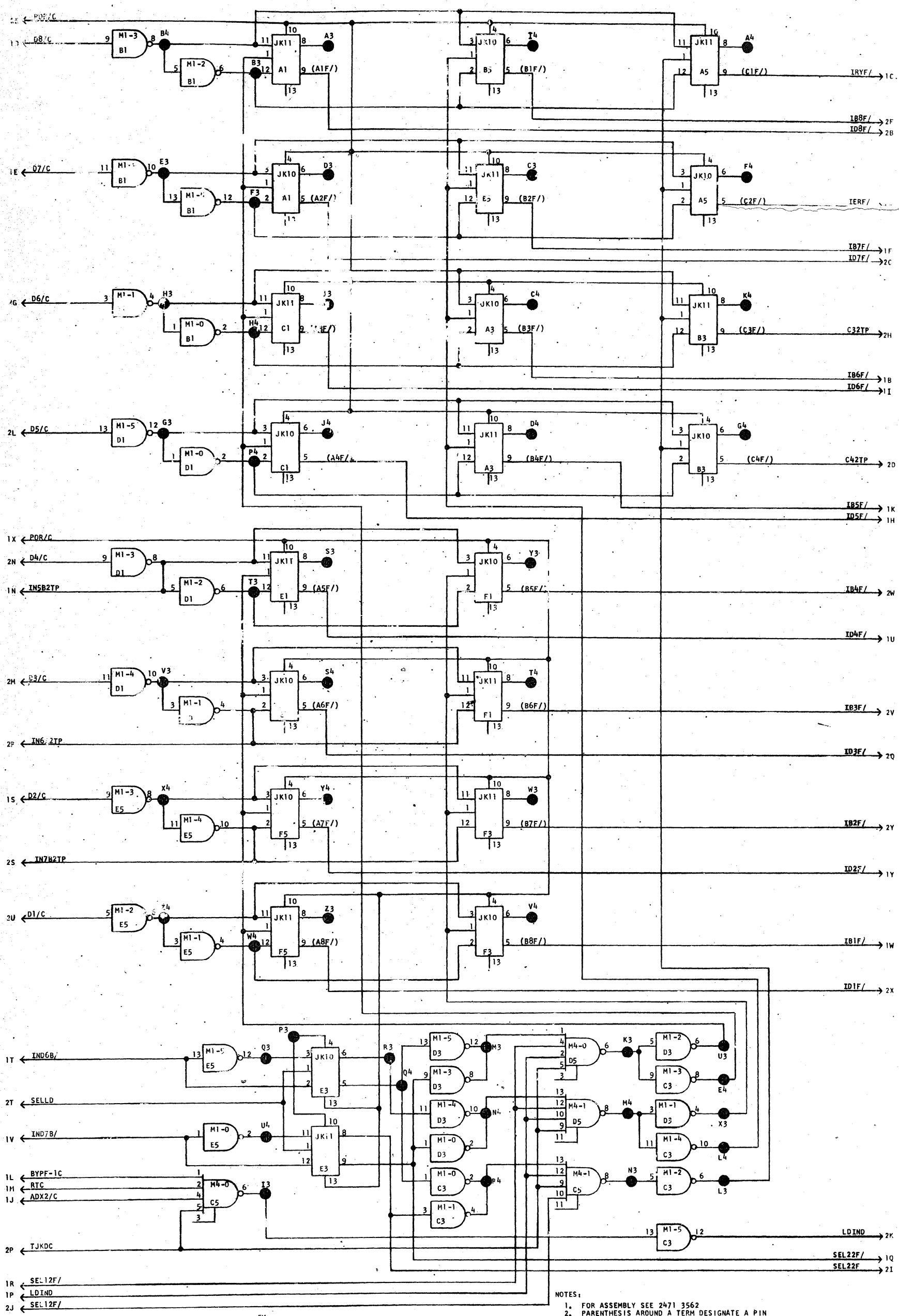
DWG NO 2474 3569
PAGE 1 OF 1

L6-24

INPUT

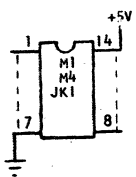
SCHEMATIC

OUTPUT



2A ← 5.25+14 → +5V
2Z ← 5.25+14

1A ← GRDGJ3
1Z ← GRDIJ3



TYPICAL PIN ORIENTATION WITH VOLTAGE AND GROUND CONNECTIONS

NOTES:

1. FOR ASSEMBLY SEE 2471 3562
2. PARENTHESIS AROUND A TERM DESIGNATE A PIN DESCRIPTION, NOT A LOGIC NAME
3. CO-ORDINATE WITHIN THE LOGIC SYMBOL INDICATES LOCATION OF PACKAGE
4. CODES USED FOR DENOTING COMPONENT PART NUMBERS ARE AS FOLLOWS:
   I.C.'S
   M1 - 1471 4356
   M4 - 1471 4380
   JK1 - 1472 8331
5. LAST DIGIT OF I.C. CODE INDICATES ITS ELEMENT NUMBER

CARD LOC

PAGE	E.R.DATE	REV

DWG NO 2471 3570

PAGE 1 OF 1

TITLE SCHEMATIC, CARD, IND STORAGE & CONTROL			
SYSTEM		DWG NO 2471 3570	
DRAWN C. BEKNDT	CHECKED J.H. 1-16-73 C.A. 11-21-71		
APPROVED 3-21-71	RELEASED 5-3-71 MFG.	REV LETTER	PAGE 1 OF 1

L6-24

INPUT

SCHEMATIC

OUTPUT

1X MONSW/ 23-1072-B4 — +5V F6C8 560 F0C8 — 100 E8C8 E2C8 — 14-1072 N3 — E3B8 .1UF ±10% 100V F6B8 — M1-4 C1C5 — 05-1072 E3 — D3 04-0008-B18 JK11 B1B2 — MONF — +5V A5C3 560 B1C3 — 30-6856 MONF → 2E

MONF/ 03-6872 C3 — M1-4 C1E0

1W MOFFSW/ 22-6384-B7 — +5V F6D0 560 F0D0 — 100 E8D0 E2D0 — 13-6384 M3 — E3B4 .1UF ±10% 100V F6B4 — M1-2 E0B2 — 30-6384 E4 — 29-0512-B12 D4 JK10 B1B2 — MOFF 31-5384 F4 — MOFF/ C4 28-5128 — M1-0 B1E0 — B4 27-4768

2L 37-2768-A6 C4ADS/ — M1-0 C1C5 — 06-9776 F3 — M1-3 C1C5

M1-3 E0B2 — M1-4 E0B2 — 39-7976 N4 — P4 40-0008-B18 JK10 D0B2 — DSC2F R4 42-2944 — M2-3 E0C5 — 02-0904 DSCS3/C → 1B

M1-1 C1C5 — DSCS3 — M2-2 D0C5 — S4 43-2768 — T4 44-0904 — M2-0 D0C5 — 45-9776 U4 — M2-3 D0C5 — 38-2608 M4 — DSC2F/ — 41-2960

2M TJKDC 38-2144-A2 — 09-0016-B17 I3 — M2-2 E0C5 — Q4 — 36-5136 DSCS1/ → 2K

M1-0 E0B2 — 10-3928 J3 — G3 07-6928 — JK11 D0B2 — DSC1F — M2-1 D0C5 — K3 11-6936

M1-5 E0B2 — H3 08-6928 — DSC1F/

2N POR/C 39-0032-B16

M1-2 C1C5 — 01-6936 A3 — M3-1 B1C5 — I4 34-4504 — M1-5 C1E0 — W4 47-4504 — M2-3 C1F2 — 31-5456 D6/C → 2F

2D MD-4ADC 29-1024-A11

2C ADX2/C 28-2144-B3 — M3-0 B1C5 — B3 02-9424 — M1-1 B1E0 — G4 32-9424 — M2-0 B1F2 — M2-1 B1F2 — 07-8192 D7/C → 1G

1F OPD 06-5536-A5 — M1-3 B1E0 — M2-2 C1F2 — 32-8904 D8/C → 2G

2I CER 34-4096-A9 — M1-1 C1E0 — K4 36-4096 — M1-3 C1E0 — 33-4096 H4 — M1-2 B1E0 — M2-3 B1F2 — M2-2 B1F2 — 05-0520 D3/C → 1E

1C PERF/ 03-8192-A8 — M1-5 B1E0 — A4 26-8192

1D IKEF 04-1024-A11 — M1-4 B1E0 — 27-6384 TRBL/C → 2B

1N BATENF 14-5536-A5 — M2-3 E0F2 — 15-6512 D5/C → 1P

1I LP 09-2768-A6 — M2-1 C1F2 — M2-0 C1F2 — 08-6864 D2/C → 1H

2H NMCF/ 33-6384-B7 — M1-2 C1E0 — J4 35-6384

2J PCFIDLE 35-2144-B3 — M1-0 C1E0 — L4 37-2144 — M1-5 C1C5 — M2-2 D0F2 — M2-3 D0F2 — 11-9736 D4/C → 1K

2P GRDGJ7 [illegible]

2X BATONF/ 48-2048-B10 — M1-1 E0B2 — L3 12-2048 — M2-0 D0F2 — M2-1 D0F2 — 13-8656 D1/C → 1M

1L C/SLI 12-4096-A9 — M2C3 * D0E0 — 41-6144 D3-I → 2Q

M2C2 * D0E0 — 42-0240 D2-I → 2R

M1-5 * E0E0 — T3 19-0240 — +5V B7B8 5600 C3B8 — 10-2144 PCFI → 1J

2W PADC 47-6384-B7 — M1-0 * E0E0 — S3 18-6384 — M1-1 * E0E0 — 17-8192 S2F/1 → 1R

1T REPEAT/ 19-6384-A7 — +5V F6E7 560 F0E7 — 100 E8E7 E2E7 — V3 21-6384 — E3F6 .1UF ±10% 100V F6F6 — M2-1 E0F2 — Y3 24-0240 — M2-2 E0F2

M2-0 E0F2 — Z3 25-2048

1S DIRECT/ 18-2048-A10 — +5V F6E9 560 F0E9 — 100 E8E9 E2E9 — X3 23-2048 — E3F2 .1UF ±10% 100V F6F2

2Y LOAD/ 49-5536-A5 — +5V E8D2 560 E2D2 — 100 E1D7 D5D7 — X4 48-5536 — D4D5 .1UF ±10% 100V C1D5 — M2-1 E0C5 — P3 15-9152 — M2C0 * D0E0 — 44-8672 S3FE/ → 2T

M2-0 E0C5 — Q3 16-6384

1Y EXECUTE/ 24-6384-A7 — +5V F6C6 560 F0C6 — 100 E8C6 E2C6 — V4 46-6384 — E3C2 .1UF ±10% 100V F6C2 — 16-4096 S1F-1 → 1Q

1V MAINT/ 21-4096-A9 — +5V F6E3 560 F0E3 — 100 E8E3 E2E3 — R3 17-4096 — E3D6 .1UF ±10% 100V F6D6 — M1-2 * E0E0 — M1-4 * E0E0 — 46-4096 S1F/1 → 2V

M2C1 * D0E0 — +5V E4B1 5600 F0B1

1U NUMER/ 20-1072-A4 — +5V F6E5 560 F0E5 — 100 E8E5 E2E5 — U3 20-1072 — E3E0 .1UF ±10% 100V F6E0 — M1-3 * E0E0 — W3 22-1072 — 43-5536 NORM → 2S

2A 5.25+14 26-0000-E1 — +5V

2Z 5.25+14 50-0000-E1

1A GRDGJ6 01-0000-GND

1Z GRDIJ6 25-0000-GND

2U 5.25+23 45-0000-E1 — +5VBAT

CO-ORDINATE WITHIN THE LOGIC SYMBOL INDICATES THIS PIN OF PACKAGE

M1 M2 M3 JK1 — M2C M1 * — +5V — +5VBAT

TYPICAL PIN ORIENTATION WITH VOLTAGE AND GROUND CONNECTIONS

SPARE — M3-2 B1C5

NOTES:

1. FOR ASSEMBLY SEE 2472 5657
2. CODES USED FOR DENOTING COMPONENT PART NUMBERS ARE AS FOLLOWS:

I.C.'S
M1 - 1471 4356
M2 - 1471 4364
M3 - 1471 4372
JK1 - 1472 0331
M2C - 1447 3581

3. LAST DIGIT OF I.C. CODE INDICATES ITS ELEMENT NUMBER
4. * INDICATES I.C. PACKAGES CONNECTED TO +5V BATTERY

UNLESS OTHERWISE SPECIFIED:
ALL RESISTANCE VALUES ARE IN OHMS, ±5%, 1/2W

5. THE NUMBERS XX-XXXX AND XX-XXXX-XXX ARE FOR DATA TEST 2000 TESTER PROGRAM SPECIFICATION 2478 0199 RELEASED 6-10-74

CARD LOC

PAGE 1 OF 1 — DWG. NO. 2472 5673

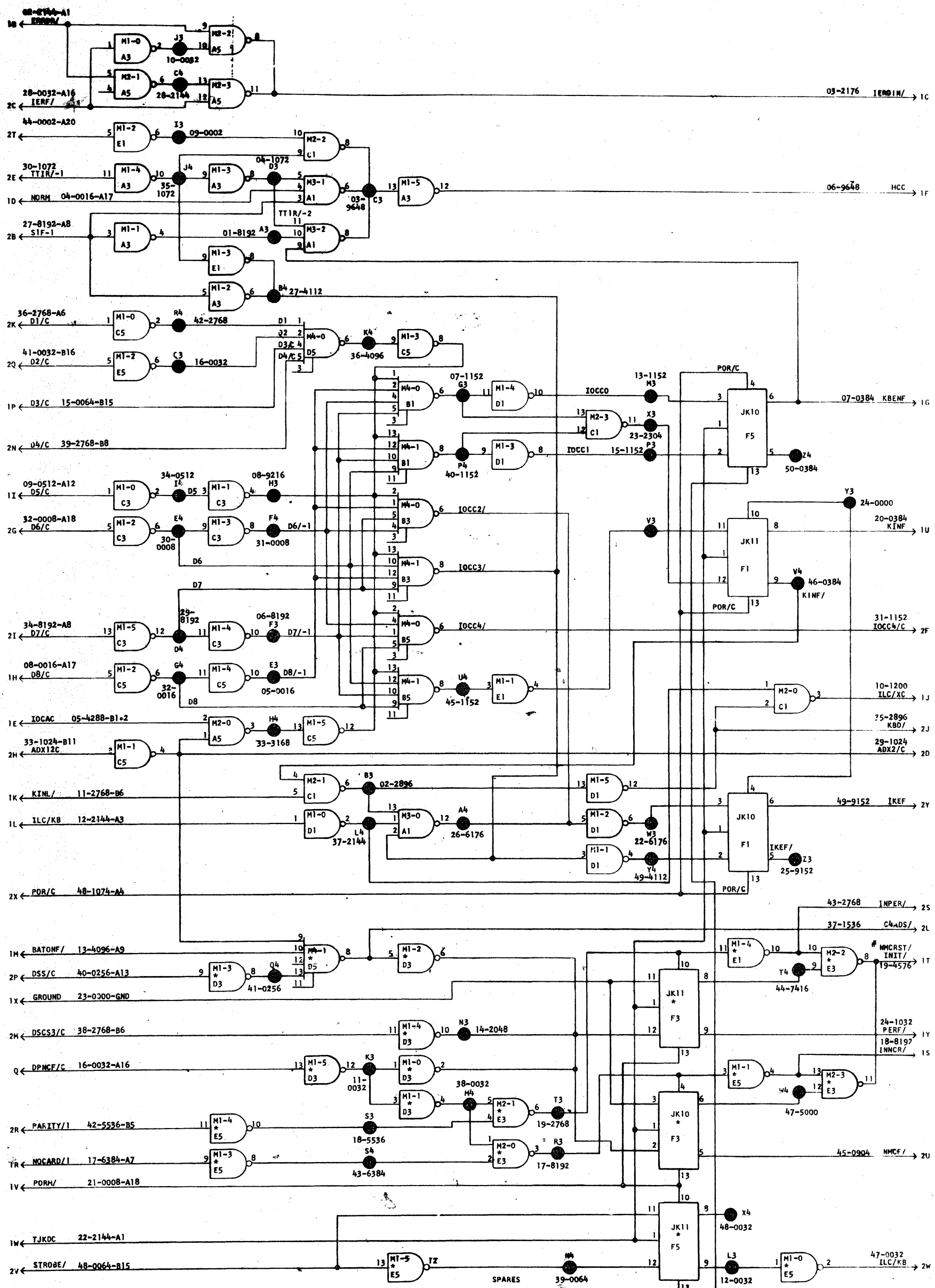
PAGE	DATE	REV
1	7-29-74	B

Burroughs Corporation

SYSTEMS M & E GROUP, PLYMOUTH, MICHIGAN 48170 — PLYMOUTH PLANT, U.S. AMERICA

TITLE	SCHEMATIC, BOARD, CONSOLE FLAGS 2
SYSTEM	L6000
DRAWN	[illegible] 3-21-72
CHECKED	5-1-72 CA
RELEASED	5-3-71
DWG NO.	2472 5673 2
REV LETTER	B
PAGE	1 OF 1

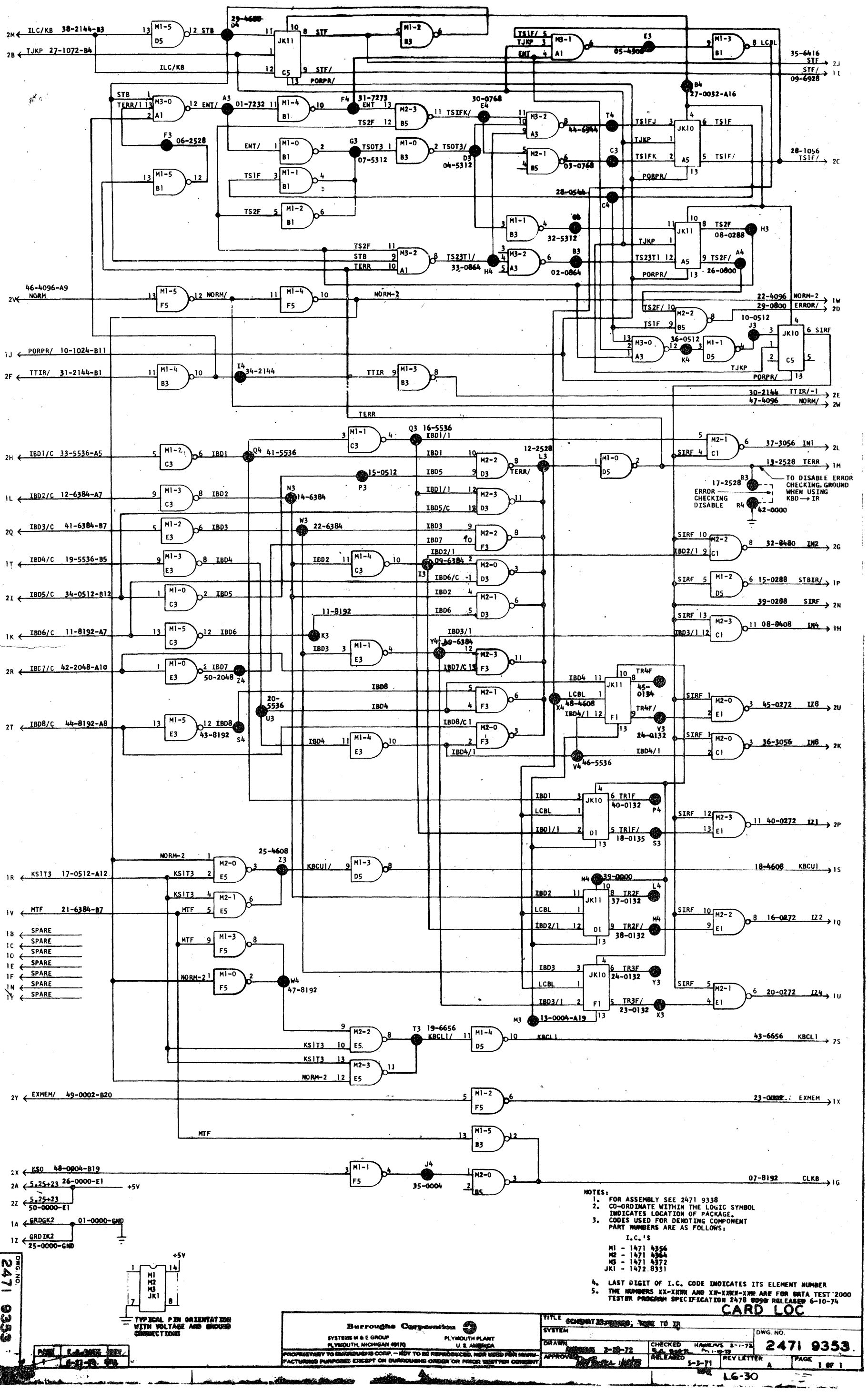
L6-47


SCHEMATIC A
03-2176 IERBIN/ 1C
06-9648 HCC 1F
07-0384 KBENF 1G
31-1152 IOCC4/C 2F
10-1200 ILC/XC 1J
25-2896 KBD/ 2J
29-1024 ADX2/C 2D
49-9152 IKEF 2Y
43-2768 INPER/ 2S
37-1536 C4ADS/ 2L
24-1032 PERF/ 1Y
18-8192 INNCR/ 1S
45-0904 NMCF/ 2U
47-0032 ILC/KB 2W
20-0384 KINF 1U
NMCRST/ INIT/ 19-4576 1T
IOCC0
IOCC1
IOCC2/
IOCC3/
IOCC4/
POR/C
KINF/
IKEF/
TTIR/-2
NOTES:
1. FOR ASSEMBLY SEE 2474 6985 ER DATE 3-17-73
2. CO-ORDINATE WITHIN THE LOGIC SYMBOL INDICATES LOCATION OF PACKAGE
3. CODES USED FOR DENOTING COMPONENT PART NUMBERS ARE AS FOLLOWS;
I.C.'S
M1 - 1471 4356
M2 - 1471 4364
M3 - 1471 4372
M4 - 1471 4380
JK1 - 1472 8331
4. LAST DIGIT OF I.C. CODE INDICATES ITS ELEMENT NUMBER
5. ASTERISK (*) INDICATES THAT POWER (VCC) IS OBTAINED FROM +5V BAT OTHERWISE VCC IS OBTAINED FROM +5V
6. THE NUMBERS XX-XXXX AND XX-XXXX-XXX ARE FOR DATA TEST 2000 PROGRAM SPECIFICATION 2478 0264 RELEASED 6-10-74
7. POUND SIGN (#) INDICATES NAME USED IN L9XXX MACHINES
CARD LOC
SPARES
TYPICAL PIN ORIENTATION WITH VOLTAGE AND GROUND CONNECTIONS
+5VBAT
+5V
VCC
Burroughs Corporation
SYSTEMS M & E GROUP PLYMOUTH, MICHIGAN 48170
PLYMOUTH PLANT U.S. AMERICA
PROPRIETARY TO BURROUGHS CORP. — NOT TO BE REPRODUCED, NOR USED FOR MANUFACTURING PURPOSES EXCEPT ON BURROUGHS ORDER OR PRIOR WRITTEN CONSENT
TITLE SCHEMATIC, BOARD, CONSOLE FLAGS 1A
SYSTEM
DRAWN TREW 5-24-73
CHECKED 6-7-73
APPROVED 6-11-73
RELEASED 5-17-73
DWG NO. 2474 6943
REV LETTER D
PAGE 1 OF 1
DWG NO 2474 6943
PAGE 1 OF 1
PAGE | E.R.DATE | REV
1 | 2-18-75 | D
L6-44 ER 126 CN

INPUT

SCHEMATIC

OUTPUT



NOTES:

1. FOR ASSEMBLY SEE 2471 9338
2. CO-ORDINATE WITHIN THE LOGIC SYMBOL INDICATES LOCATION OF PACKAGE.
3. CODES USED FOR DENOTING COMPONENT PART NUMBERS ARE AS FOLLOWS:

   I.C.'S

   M1 - 1471 4356
   M2 - 1471 4364
   M3 - 1471 4372
   JK1 - 1472.8331

4. LAST DIGIT OF I.C. CODE INDICATES ITS ELEMENT NUMBER
5. THE NUMBERS XX-XXXX AND XX-XXXX-XXX ARE FOR BATA TEST 2000 TESTER PROGRAM SPECIFICATION 2478 [illegible] RELEASED 6-10-74

CARD LOC

PAGE 1 OF 1

DWG. NO. 2471 9353

Burroughs Corporation

SYSTEMS M & E GROUP PLYMOUTH, MICHIGAN 48170 — PLYMOUTH PLANT U.S.A.

TITLE SCHEMATIC-PLYMOUTH, TOOL TO IR

SYSTEM

DRAWN [illegible] 2-28-72

CHECKED HARRIS 3-1-72

APPROVED [illegible]

RELEASED 5-3-71

DWG. NO. 2471 9353.

REV LETTER A

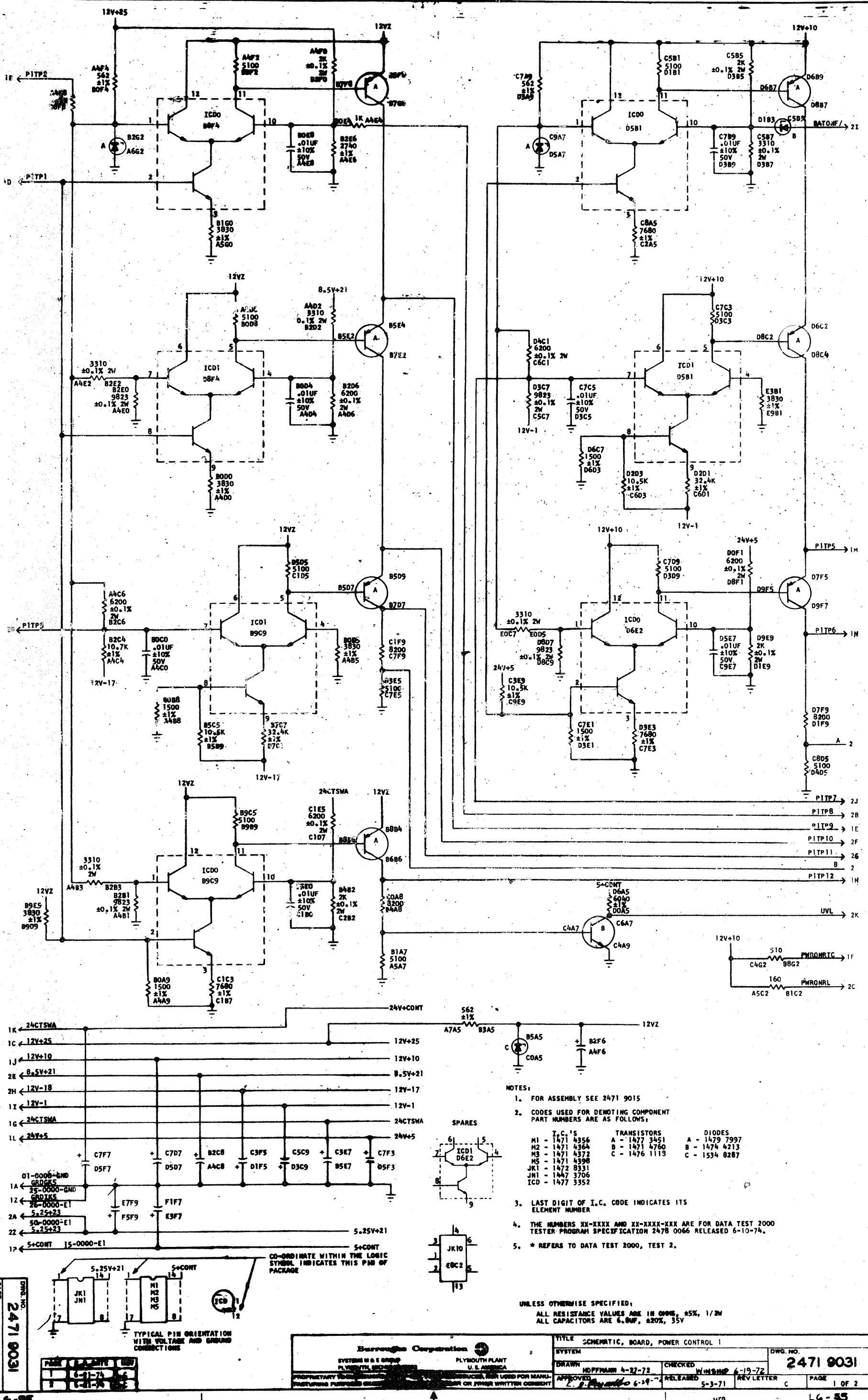
PAGE 1 OF 1

LG-30

SCHEMATIC, BOARD, POWER CONTROL 1

INPUT

OUTPUT



NOTES:

1. FOR ASSEMBLY SEE 2471 9015
2. CODES USED FOR DENOTING COMPONENT PART NUMBERS ARE AS FOLLOWS:

I.C.'S	TRANSISTORS	DIODES
M1 - 1471 4356	A - 1477 3451	A - 1479 7997
M2 - 1471 4364	B - 1471 4760	B - 1474 4213
M3 - 1471 4372	C - 1476 1119	C - 1534 8287
M5 - 1471 4398		
JK1 - 1472 8331		
JN1 - 1447 3706		
ICD - 1477 3352		

3. LAST DIGIT OF I.C. CODE INDICATES ITS ELEMENT NUMBER
4. THE NUMBERS XX-XXXX AND XX-XXXX-XXX ARE FOR DATA TEST 2000 TESTER PROGRAM SPECIFICATION 2478 0066 RELEASED 6-10-74.
5. * REFERS TO DATA TEST 2000, TEST 2.

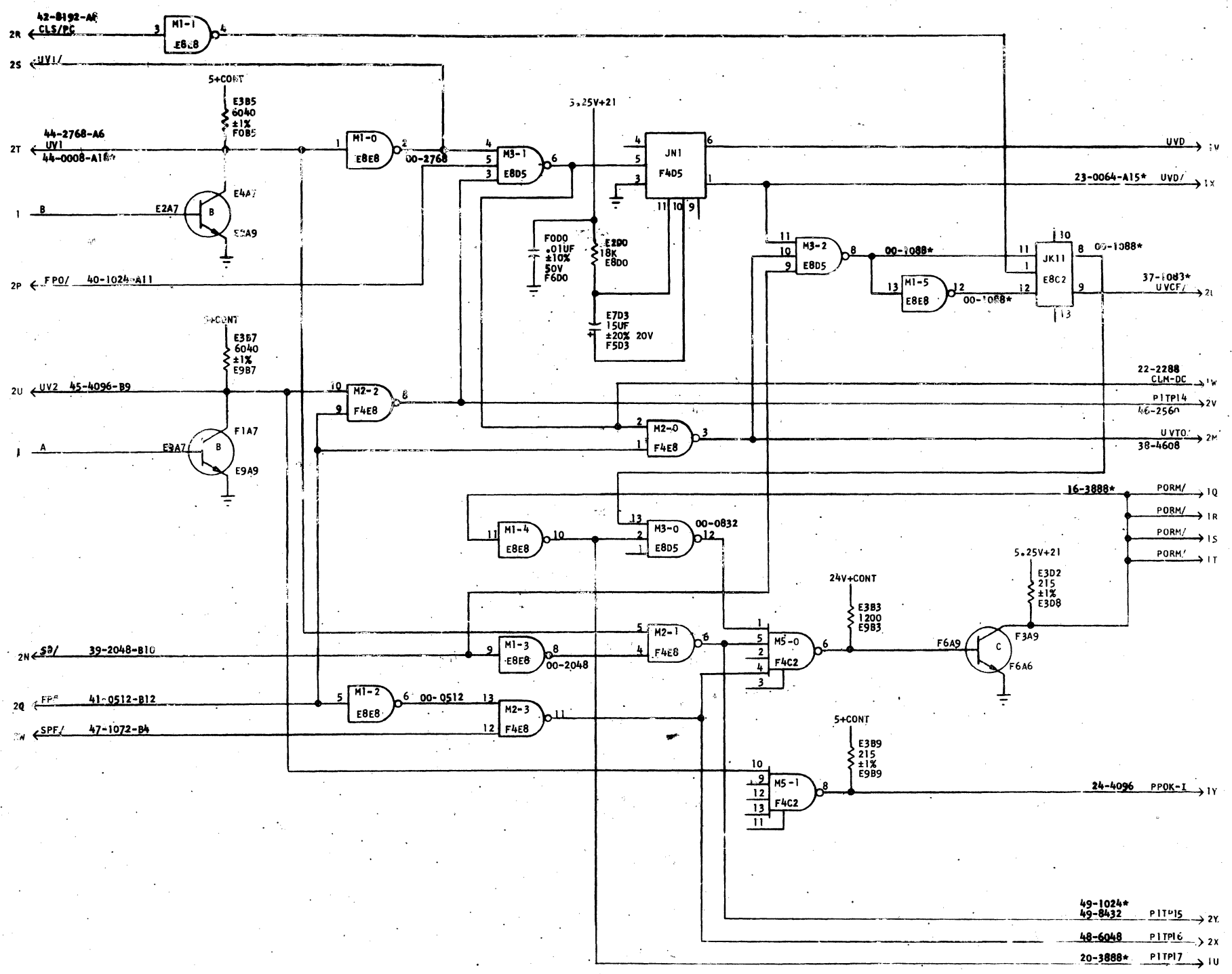
UNLESS OTHERWISE SPECIFIED:
ALL RESISTANCE VALUES ARE IN OHMS, ±5%, 1/2W
ALL CAPACITORS ARE 6.8UF, ±20%, 35V

PAGE	L.A. DATE	BY
1	6-21-74	
2	6-21-74	

DWG. NO. 2471 9031
PAGE 1 OF 2

TITLE	SCHEMATIC, BOARD, POWER CONTROL 1
SYSTEM	
DWG. NO.	2471 9031
DRAWN	HOFFMANN 4-27-72
CHECKED	WHISNANT 6-19-72
APPROVED	L. J. Reynolds 6-29-72
RELEASED	5-3-71
REV LETTER	C
PAGE	1 OF 2

L6-55



Burroughs Corporation SYSTEMS M & E GROUP, PLYMOUTH, MICHIGAN 48170 — PLYMOUTH PLANT, U. S. AMERICA	TITLE SCHEMATIC, BOARD, POWER CONTROL I		
	SYSTEM		DWG NO. 2471 9031
	DRAWN HOFFMANN 4-27-72	CHECKED WINSHIP 4-19-72	
PROPRIETARY TO BURROUGHS CORP. — NOT TO BE REPRODUCED, NOR USED FOR MANUFACTURING PURPOSES EXCEPT ON BURROUGHS ORDER OR PRIOR WRITTEN CONSENT	APPROVED	RELEASED 5-3-71	REV LETTER C — PAGE 2 OF 2

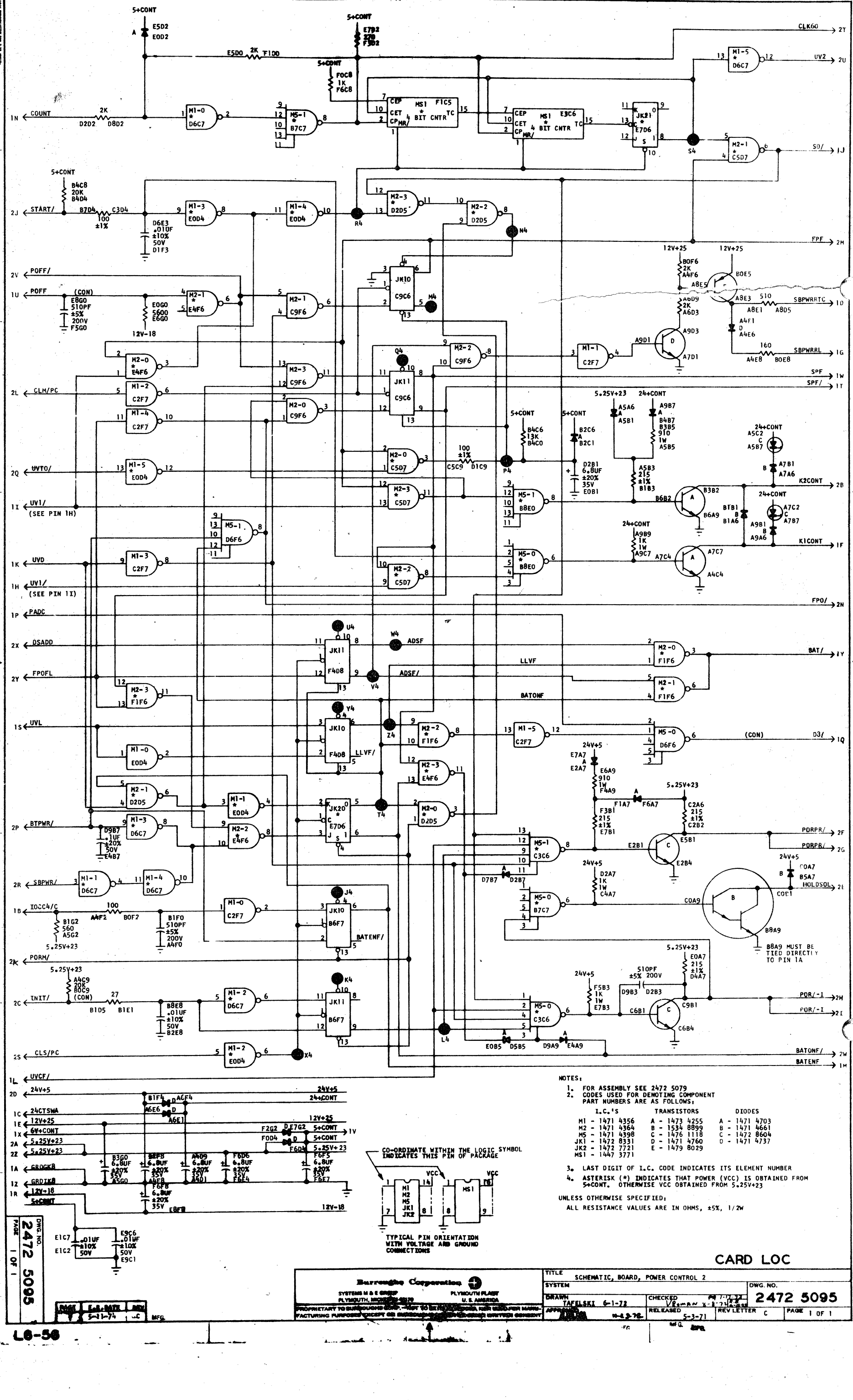
DWG NO. 2471 9031
PAGE 2 of 2

66-65

INPUT

SCHEMATIC

OUTPUT



NOTES:

1. FOR ASSEMBLY SEE 2472 5079
2. CODES USED FOR DENOTING COMPONENT PART NUMBERS ARE AS FOLLOWS:

I.C.'S	TRANSISTORS	DIODES
M1 - 1471 4356	A - 1473 4255	A - 1471 4703
M2 - 1471 4364	B - 1534 8899	B - 1471 4661
M5 - 1471 4398	C - 1476 1118	C - 1472 8604
JK1 - 1472 8331	D - 1471 4760	D - 1471 4737
JK2 - 1472 7721	E - 1479 8029	
MS1 - 1447 3771		

3. LAST DIGIT OF I.C. CODE INDICATES ITS ELEMENT NUMBER
4. ASTERISK (*) INDICATES THAT POWER (VCC) IS OBTAINED FROM 5+CONT. OTHERWISE VCC OBTAINED FROM 5.25V+23

UNLESS OTHERWISE SPECIFIED:

ALL RESISTANCE VALUES ARE IN OHMS, ±5%, 1/2W

B8A9 MUST BE TIED DIRECTLY TO PIN 1A

CARD LOC

PAGE 1 OF 1 | DWG. NO. 2472 5095

PAGE	E.C. DATE	REV
1	5-11-74	C

MFG.

Burroughs Corporation
SYSTEMS M & E GROUP PLYMOUTH PLANT
PLYMOUTH, MICHIGAN U.S. AMERICA
PROPRIETARY TO BURROUGHS CORP. NOT TO BE REPRODUCED, PUBLISHED OR USED FOR MANUFACTURING PURPOSES EXCEPT ON AUTHORIZATION OF BURROUGHS CORPORATION

TITLE	SCHEMATIC, BOARD, POWER CONTROL 2		
SYSTEM		DWG. NO.	2472 5095
DRAWN TAFELSKI 6-1-72	CHECKED		
APPROVED	RELEASED 5-3-71	REV LETTER C	PAGE 1 OF 1

MFG.

L6-56

SPECIAL STOCK CORRECTION/TEMPORARY CONSTRUCTION DEVIATION

SERIAL NUMBER 0995 DATE 75126

TO: FAB. ENGRG. FROM: J. WORST JW

DEPT: 2623 DEPT: 2962

APPROVALS

P.E. RKM 7-18-75 I.E. MFG.

PROJECT 52669 GROUP: 116 E.R.DATE 6/20/75

CORRECTION OR DEVIATION NOTICE:

2477 7047 ASSEMBLY, CARRIER DRIVER PWB

*2477 7070 TEST SPEC, 2477 7054 SCHEMATIC

2481 0467, 2472 5079 ASSEMBLY, POWER CONTROL 2 PWB

2472 5103 TEST SPEC., 2481 0475 2472 5095 SCHEMATICS

PUT 6.2 VOLT ZENER DIODE (1471 4687) IN HOLD SOLENOID DRIVER CIRCUIT ON ASSEMBLY 2477 7047.

PUT 8.2 VOLT ZENER DIODE (1471 5015) IN HOLD SOLENOID DRIVER CIRCUIT ON ASSEMBLY 2472 5079, AND 2481 0467

* NO CHANGE TO 2477 7070 TEST SPEC, BUT MANUFACTURING TEST DATA SHOULD BE UPDATED TO LATEST ER DATE ADDED 7-21-75

REASON: IMPROVE SOLENOID DROPOUT TIME.

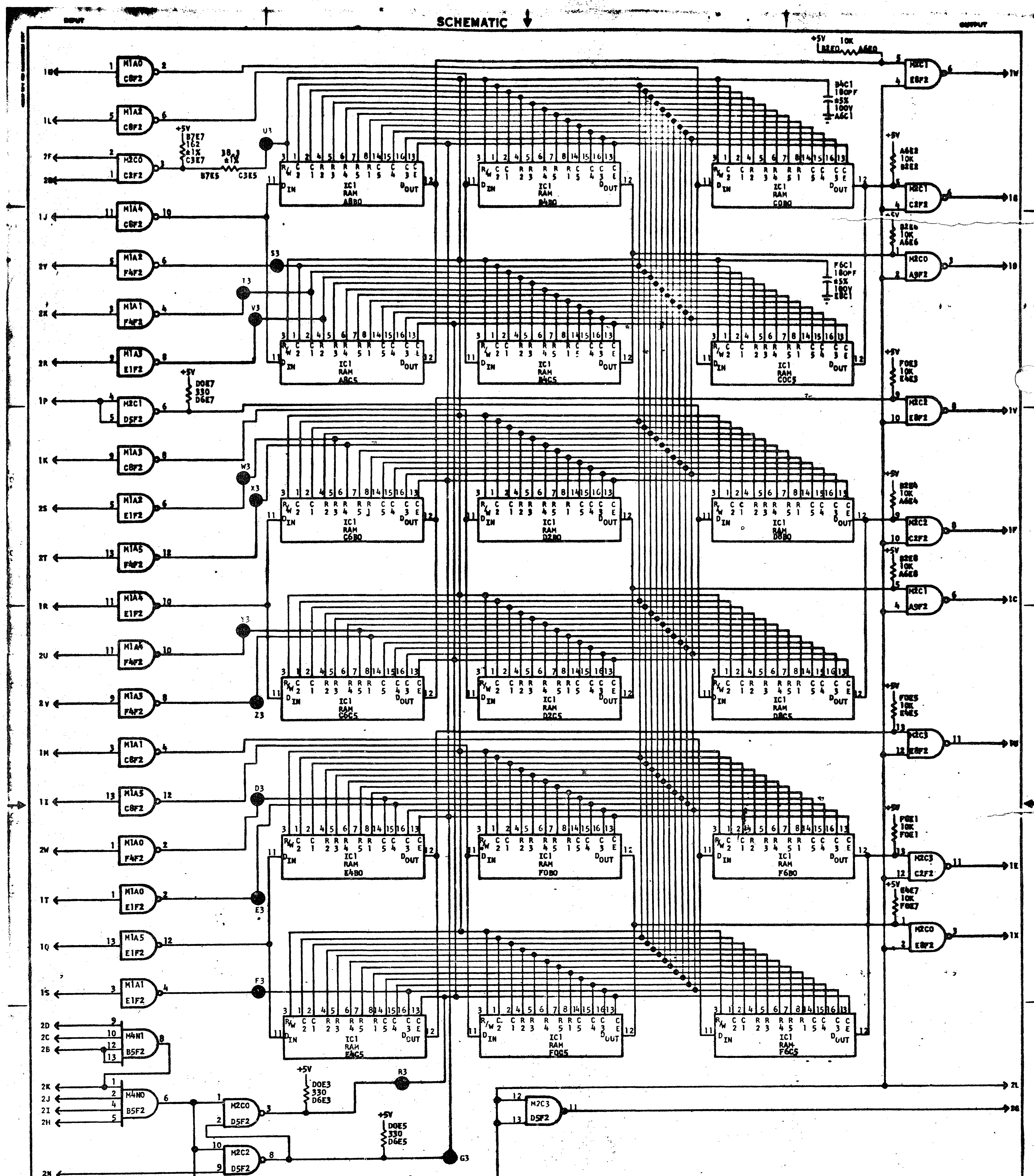
PWB ASSEMBLIES 2477 7047 & 2472 5079 MUST BE STAMPED WITH THE FOLLOWING "SSC 6-20-75"

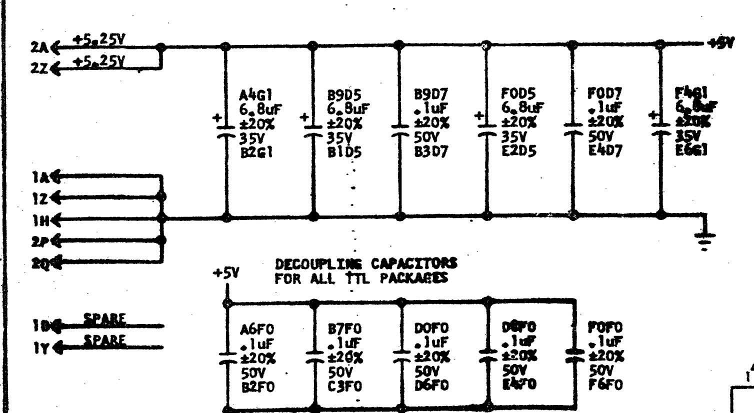
DISTRIBUTION: (Indicate Quantity of Each)

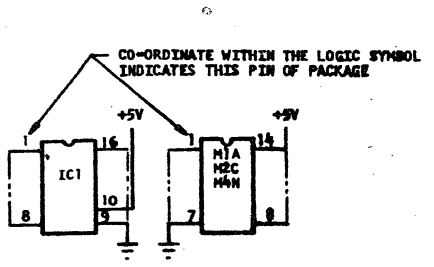
Dept.	Name	Sepia	Print	Dept.	Name	Sepia	Print
7307	E. CHOSS		1	2301	S. FLEISCHMANN		1
PM2D42	TIO (DOC-PC)		1	2322	H. FORRESTER		1
4993	TIO PLYMOUTH		1	2922	G. WIGGINS		1
2401	C. HEBELER			7612	J. MAHIN		1
2401	D. JENSEN		1	2432	B. EVERSON		1
2515	M. BREVIK	1		2100	C. ACKERMAN		1
2413	S. CHASE			SCOT	G. REDPATH*	1	
2431	J. DAVIS		1	BELG	SENEFFE	1	
7430	E. A. SMITH		1	4942	E. NICOL		1
7514	G. HIX		2	7443	G. LEWARNE		1
2922	D. MELTON*		1	7433	W. BUTLER		1
2401	R. CRAWFORD		1	2433	T. HARTLEY		1
2612			1				
2422	H. SMITH		1				
2922	J.H.GAGNEUR		1				

* Hand Carried

PLY ENG 1001 (1-71)

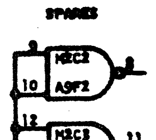

INPUT
SCHEMATIC
OUTPUT
M1A0 C8F2
M1A2 C8F2
M2C0 C2F2
+5V B7E7 162 ±1% C3E7
38.3 ±1% B7E5 C3E5
M1A4 C8F2
M1A2 F4F2
M1A1 F4F2
M1A3 E1F2
+5V D0E7 330 D6E7
M2C1 D5F2
M1A3 C8F2
M1A2 E1F2
M1A5 F4F2
M1A4 E1F2
M1A4 F4F2
M1A3 F4F2
M1A1 C8F2
M1A5 C8F2
M1A0 F4F2
M1A0 E1F2
M1A5 E1F2
M1A1 E1F2
M4N1 B5F2
M4N0 B5F2
M2C0 D5F2
M2C2 D5F2
M2C3 D5F2
+5V D0E3 330 D6E3
+5V D0E5 330 D6E5
U3 S3 T3 V3 W3 X3 Y3 Z3 D3 E3 F3 R3 G3
IC1 RAM A8B0
IC1 RAM B4B0
IC1 RAM C0B0
IC1 RAM A8C5
IC1 RAM B4C5
IC1 RAM C0C5
IC1 RAM C6B0
IC1 RAM D2B0
IC1 RAM D8B0
IC1 RAM C6C5
IC1 RAM D2C5
IC1 RAM D8C5
IC1 RAM E4B0
IC1 RAM F0B0
IC1 RAM F6B0
IC1 RAM E4C5
IC1 RAM F0C5
IC1 RAM F6C5
B4C1 180PF ±5% 100V A6C1
F6C1 180PF ±5% 100V E8C1
+5V 10K B2E0 A6E0
M2C1 E8F2
A6E2 10K B2E2
M2C1 C2F2
B2E6 10K A6E6
M2C0 A9F2
F0E3 10K E4E3
M2C2 E8F2
B2E4 10K A6E4
M2C2 C2F2
B2E8 10K A6E8
M2C1 A9F2
F0E5 10K E4E5
M2C3 E8F2
F0E1 10K F0E1
M2C3 C2F2
E4E7 10K F0E7
M2C0 E8F2


2A +5.25V
2Z +5.25V
+5V
A4G1 6.8uF ±20% 35V B2G1
B9D5 6.8uF ±20% 35V B1D5
B9D7 .1uF ±20% 50V B3D7
F0D5 6.8uF ±20% 35V E2D5
F0D7 .1uF ±20% 50V E4D7
F4G1 6.8uF ±20% 35V E6G1
1A 1Z 1H 2P 2Q
DECOUPLING CAPACITORS FOR ALL TTL PACKAGES
+5V
1D SPARE
1Y SPARE
A6F0 .1uF ±20% 50V B2F0
B7F0 .1uF ±20% 50V C3F0
D0F0 .1uF ±20% 50V D6F0
D8F0 .1uF ±20% 50V E4F0
F0F0 .1uF ±20% 50V F6F0



TYPICAL PIN ORIENTATION WITH VOLTAGE AND GROUND CONNECTIONS

SPARES



NOTES:

1. FOR ASSEMBLY SEE 2479 9603 E.R. DATE 5-30-75
   FOR FINAL ASSEMBLY SEE 2479 9645(PL) (2K)
   FOR FINAL ASSEMBLY SEE 2479 9652(PL) (1K)
2. CODES USED FOR DENOTING COMPONENT PART NUMBERS ARE AS FOLLOWS:

   I.C.'S
   M1A - 1447 3532
   M2C - 1447 3581
   M4N - 1479 0257
   IC1 - 2479 9595
3. LAST DIGIT OF I.C. CODE INDICATES ITS ELEMENT NUMBER
4. THIS PWB SHARES THE SAME PWB SLOT, SEE APPLICABLE PWB LOCATION CHART, THE FOLLOWING BACKPLANE PIN CANNOT BE USED: 2M

UNLESS OTHERWISE SPECIFIED:
ALL RESISTANCE VALUES ARE IN OHMS, ±5%, 1/2W

CARD LOC

PAGE	E.R. DATE	REV
1		
2		

DWG. NO. 2479 9629 PAGE 1 OF 2

Burroughs Corporation

SYSTEMS M & E GROUP PLYMOUTH, MICHIGAN 48170 — PLYMOUTH PLANT U S AMERICA

TITLE	SCHEMATIC, BOARD, STATIC READ/WRITE
SYSTEM	
DRAWN	BELVILLE 5-7-75
CHECKED	WINSHIP 5-13-75
APPROVED	[signature] 5-2/75
RELEASED	5-30-75
REV LETTER	
DWG. NO.	2479 9629
PAGE	1 OF 2

CHART 1

PWB ASSEMBLY		2479 9645 (PL)	2479 9645 (PL)	2479 9645 (PL)	2479 9645 (PL)	2479 9645 (PL)	2479 9645 (PL)	2479 9645 (PL)	2479 9645 (PL)	2479 9645 (PL)	2479 9645 (PL)
E.R. DATE											
PWB LOCATION		MQ6	MQ3	MQ0	MP7	MP4	MP1	MM8	MM5	MM2	MM0
INPUT PIN	OUTPUT PIN	SIGNAL NAME	SIGNAL NAME	SIGNAL NAME	SIGNAL NAME	SIGNAL NAME	SIGNAL NAME	SIGNAL NAME	SIGNAL NAME	SIGNAL NAME	SIGNAL NAME
1N		SIN1/-1A									
1L		SIN8/-1A									
2F		WCLK-1A									
2E		PORM/									
1J		SIZ4/-1A									
2Y		ALZ4-1A									
2X		ALZ2-1A									
2R		ALN2-1A									
1P		SIN2/-1A									
1K		SIZ1/-1A									
2S		ALN4-1A									
2T		ALN8-1A									
1R		SIZ8/-1A									
2U		ALZ1-1A									
2V		ALN1-1A									
1M		SIN4/-1A									
1I		SIZ2/-1A									
2W		AUN2-1A									
1T		AUN1-1A									
1Q		SIP1/-1A									
1S		ALZ8-1A									
2D		AUZ2/-1A	AUZ2/-1A	AUZ2/-1A	AUZ2/-1A	AUZ2-1A	AUZ2-1A	AUZ2-1A	AUZ2-1A	AUZ2/-1A	AUZ2/-1A
2C		AUZ1/-1A	AUZ1-1A	AUZ1-1A	AUZ1-1A	AUZ1/-1A	AUZ1/-1A	AUZ1-1A	AUZ1-1A	AUZ1/-1A	AUZ1/-1A
2B		AUN8/-1A	AUN8-1A	AUN8/-1A	AUN8-1A	AUN8/-1A	AUN8-1A	AUN8/-1A	AUN8-1A	AUN8/-1A	AUN8-1A
2K											
2J		CEN-A									
2I		AUZ8/-1A	AUZ8/-1A	AUZ8/-1A	AUZ8/-1A	AUZ8/-1A	AUZ8/-1A	AUZ8/-1A	AUZ8/-1A	AUZ8/-1A	AUZ8-1A
2H		AUZ4/-1A	AUZ4/-1A	AUZ4/-1A	AUZ4/-1A	AUZ4/-1A	AUZ4/-1A	AUZ4/-1A	AUZ4/-1A	AUZ4-1A	AUZ4-1A
2N		AUN4-1A									
2A		5.25V+23	5.25V+23	5.25V+23	5.25V+22	5.25V+22	5.25V+22	5.25V+22	5.25V+22	5.25V+22	5.25V+22
2Z		5.25V+23	5.25V+23	5.25V+23	5.25V+22	5.25V+22	5.25V+22	5.25V+22	5.25V+22	5.25V+22	5.25V+22
1A		GRDGQ6	GRDGQ3	GRDGQO	GRDGP7	GRDGP4	GRDGP1	GRDGM8	GRDGM5	GRDGM2	GRDGM0
1Z		GRDIQ6	GRDIQ3	GRDIQO	GRDIP7	GRDIP4	GRDIP1	GRDIM8	GRDIM5	GRDIM2	GRDIM0
2P		GALN1-1A	GALN1-1A	GALN1-1A	GALN1-1A	GALN1-1A	GALN1-1A	GALN1-1A	GALN1-1A	GALN1-1A	GALZ2-1A
1H		GWCLK-1A									
2Q		GALN4-1A	GALN4-1A	GALN4-1A	GALN4-1A	GALN4-1A	GALN4-1A	GALN5-1A	GALN5-1A	GALN5-1A	GALZ8-1A
1B		12V-1B									
1Y		12V-1B									
2M		SEE NOTE 4									
	1W	MZ4M/-A									
	1G	MN1M/-A									
	1D	MN8M/-A									
	1V	MZ8M/-A									
	1F	MN2M/-A									
	1C	MZ1M/-A									
	1U	MP1M/-A									
	1E	MN4M/-A									
	1X	MZ2M/-A									
	2L										
	2G	RWMCP/									

CHART 2

PWB ASSEMBLY		2479 9645 (PL)	2479 9645 (PL)	2479 9645 (PL)	2479 9645 (PL)	2479 9645 (PL)	2479 9645 (PL)				
E.R. DATE											
PWB LOCATION		HM6	HM3	HM0	HL7	HL4	HL1				
INPUT PIN	OUTPUT PIN	SIGNAL NAME	SIGNAL NAME	SIGNAL NAME	SIGNAL NAME	SIGNAL NAME	SIGNAL NAME				
1N											
1L											
2F											
2E											
1J											
2Y											
2X											
2R											
1P											
1K											
2S											
2T											
1R											
2U											
2V											
1M											
1I											
2W											
1T											
1Q											
1S											
2D		AUZ2/-1A	AUZ2/-1A	AUZ2-1A	AUZ2-1A	AUZ2-1A	AUZ2-1A				
2C		AUZ1-1A	AUZ1-1A	AUZ1/-1A	AUZ1/-1A	AUZ1-1A	AUZ1-1A				
2B		AUN8/-1A	AUN8-1A	AUN8/-1A	AUN8-1A	AUN8/-1A	AUN8-1A				
2K											
2J											
2I		AUZ8-1A	AUZ8-1A	AUZ8-1A	AUZ8-1A	AUZ8-1A	AUZ8-1A				
2H		AUZ4-1A	AUZ4-1A	AUZ4-1A	AUZ4-1A	AUZ4-1A	AUZ4-1A				
2N											
2A		5.25V+22	5.25V+22	5.25V+22	5.25V+22	5.25V+22	5.25V+22				
2Z		5.25V+22	5.25V+22	5.25V+22	5.25V+22	5.25V+22	5.25V+22				
1A		GRDGM6	GRDGM3	GRDGMO	GRDIL7	GRDIL4	GRDIL1				
1Z		GRDIM6	GRDIM3	GRDIMO	GRDIL7	GRDIL4	GRDIL1				
2P		GALZ2-1A	GALZ2-1A	GALZ2-1A	GALZ2-1A	GALZ2-1A	GALZ2-1A				
1H											
2Q		GALZ8-1A	GALZ8-1A	GALZ8-1A	GALZ8-1A	GALZ8-1A	GALZ8-1A				
1B											
1Y											
2M											
	1W										
	1G										
	1D										
	1V										
	1F										
	1C										
	1U										
	1E										
	1X										
	2L										
	2G										

NOTE:
SIGNAL NAMES NOT SHOWN ARE THE SAME AS THOSE IN THE FIRST COLUMN OF CHART 1.

DWG. NO. 2479 9629
PAGE 2 of 2

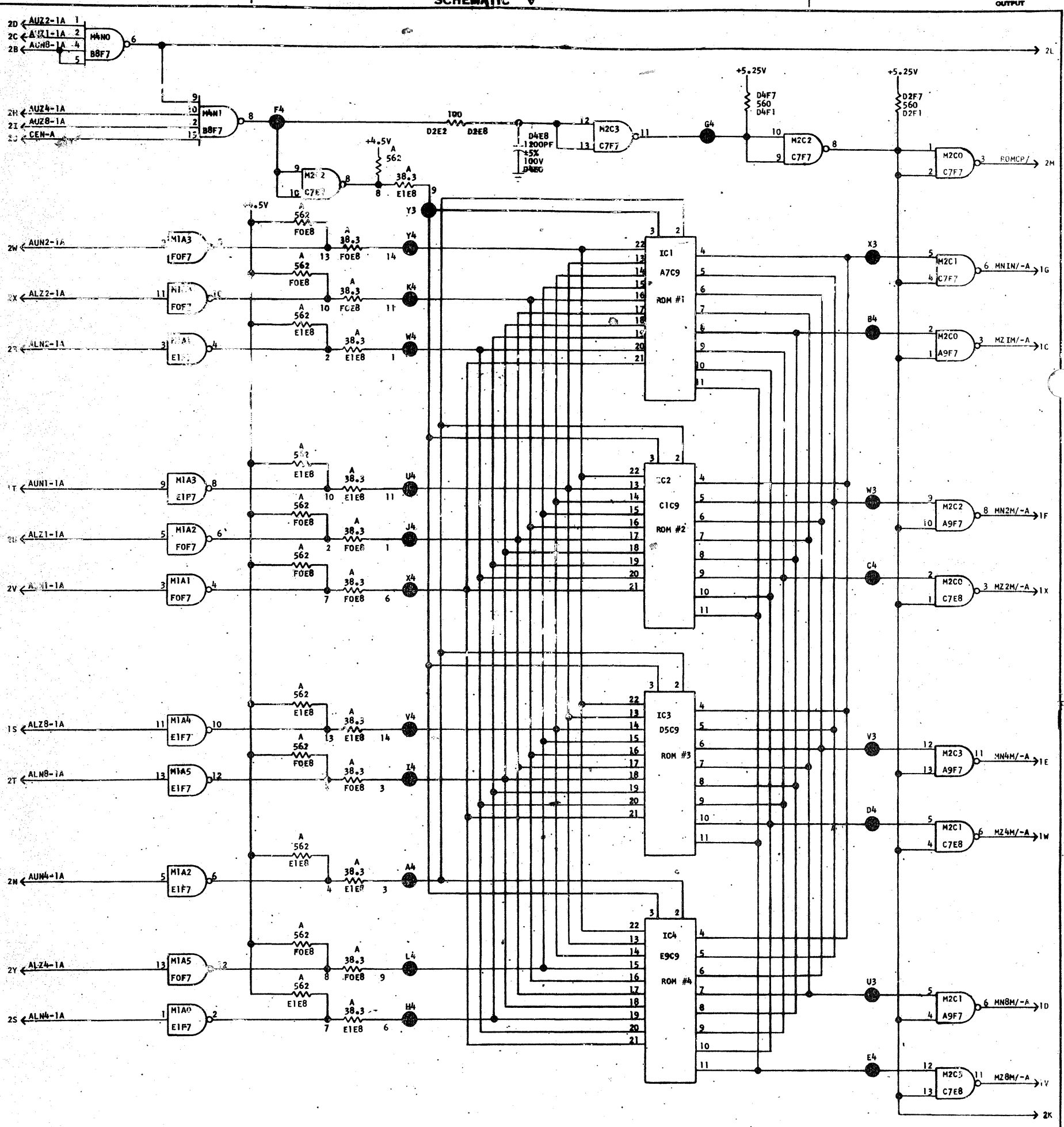
Burroughs Corporation
SYSTEMS M & S GROUP — PLYMOUTH PLANT
PLYMOUTH, MICHIGAN 48170 — U. S. AMERICA

TITLE: SCHEMATIC, BOARD, STATIC READ/WRITE
SYSTEM:
DRAWN: BELVILLE 5-7-75
CHECKED: WINSHIP 5-13-75
APPROVED:
RELEASED: 5-20-75
DWG. NO. 2479 9629
REV LETTER:
PAGE 2 OF 2

INPUT

SCHEMATIC

OUTPUT



NOTES:

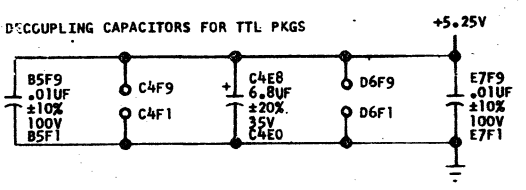
1. FOR ASSEMBLY SEE 2471 8819 ER DATE 6-16-73
   FOR FINAL ASSEMBLY SEE CHART 1
2. CODES USED FOR DENOTING COMPONENT
   PART NUMBERS ARE AS FOLLOWS:

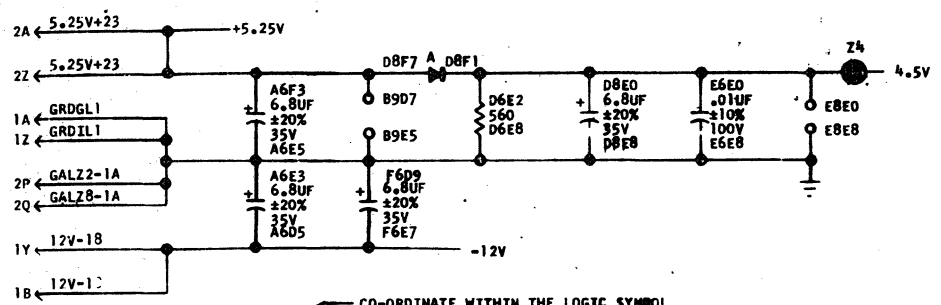
DI	I.C.'S	RESISTOR PKG	DIODE
M1A	- 1447 3532	A - 2472 9022	A - 1471 4737
M2C	- 1447 3581		
M4N	- 1479 0257		
IC1	- SEE CHART 1		
IC2	- SEE CHART 1		
IC3	- SEE CHART 1		
IC4	- SEE CHART 1		

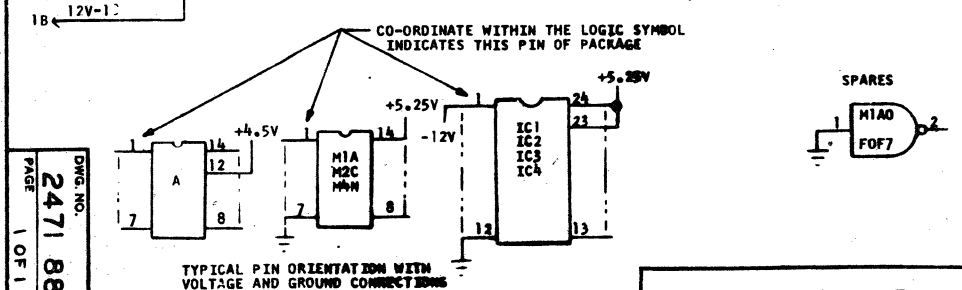
3. LAST DIGIT OF I.C. CODE INDICATES ITS ELEMENT NUMBER
4. THIS CARD SHARES SAME CARD SLOT SEE APPLICABLE CARD LOCATION CHART. THE FOLLOWING BACKPLANE PINS CANNOT BE USED: 1H, 1I, 1J, 1K, 1L, 1M, 1N, 1P, 1Q, 1R, 1U, 2E, 2F, & 2G

UNLESS OTHERWISE SPECIFIED:
ALL DISCRETE RESISTANCE VALUES ARE IN OHMS, ±5%, 1/2W
ALL RESISTOR PKG RESISTANCE VALUES ARE IN OHMS, ±2%, 1/8W

DECOUPLING CAPACITORS FOR TTL PKGS







SPARES

CHART 1

ASSEMBLY	IC1	IC2	IC3	IC4
2477 8110(PL)	2479 9280	2477 7542	2477 7559	2477 7567
2477 8128(PL)	2477 7575	2479 9371	2477 7591	2479 4034
2477 8136(PL)	2477 7617	2477 7625	2477 7633	2479 4042
2477 8144(PL)	2479 9280	2477 7542	2477 8086	2477 7567
2477 9191(PL)	2479 6146	2477 8219	NOT USED	NOT USED
2478 8572(PL)	2479 6146	NOT USED	NOT USED	NOT USED
2479 8324(PL)	2479 6146	2477 8219	2479 8118	2479 8126

CARD LOC

DWG. NO. 2471 8835
PAGE 1 OF 1

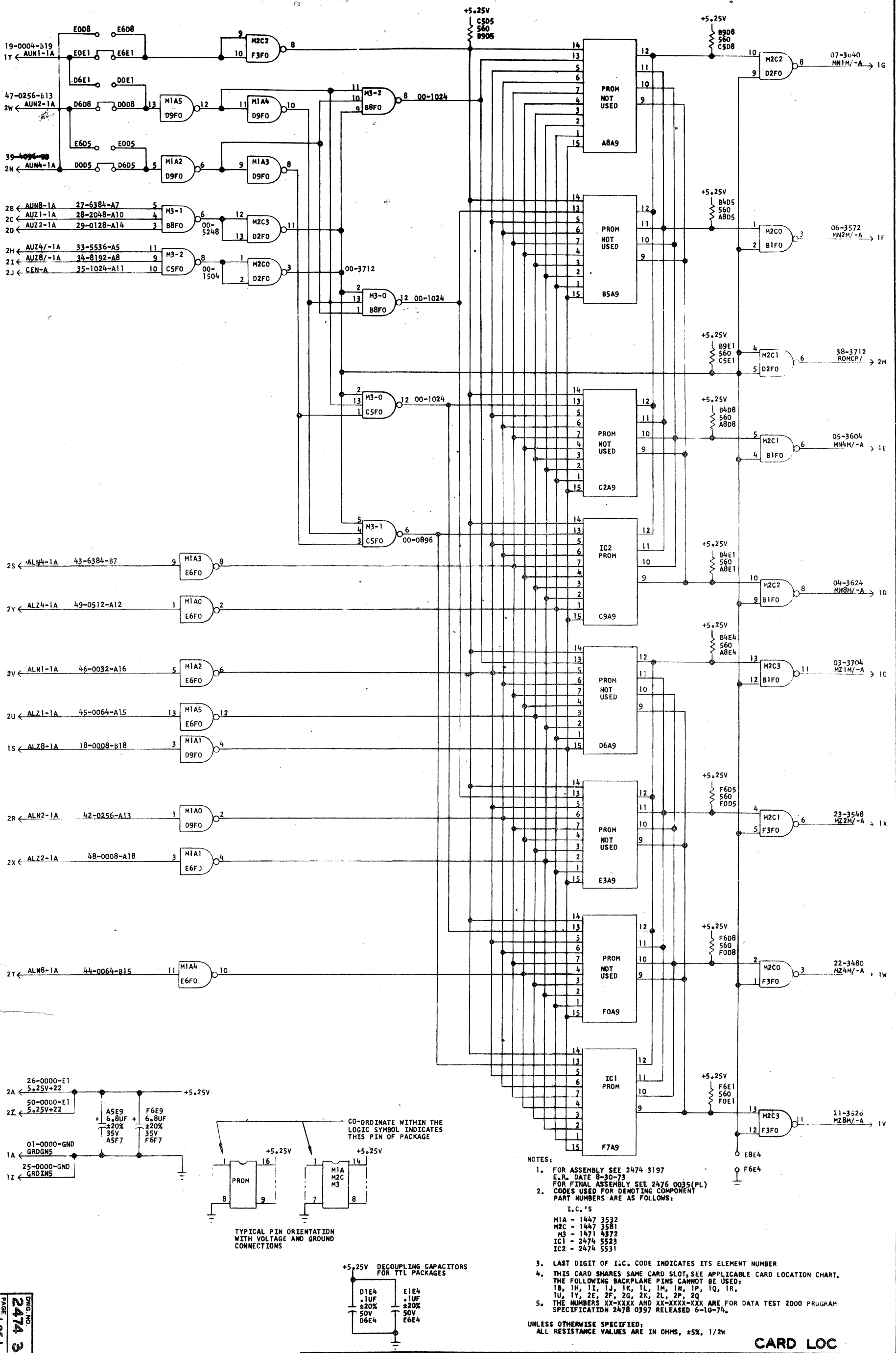
PAGE	E.R.DATE	REV
1a	5-2-75	E

Burroughs Corporation
SYSTEMS M & E GROUP, PLYMOUTH, MICHIGAN 48170 — PLYMOUTH PLAN, U. S. AMERICA

TITLE	SCHEMATIC, BOARD, ROM 2Kx8		
SYSTEM			DWG. NO. 2471 8835
DRAWN	PATRICK 7-8-72	CHECKED	
APPROVED		RELEASED 5-3-71	REV LETTER E
			PAGE 1 OF 1

L6-61

INPUT | SCHEMATIC | OUTPUT



NOTES:

1. FOR ASSEMBLY SEE 2474 3197
   E.R. DATE 8-30-73
   FOR FINAL ASSEMBLY SEE 2476 0035(PL)
2. CODES USED FOR DENOTING COMPONENT PART NUMBERS ARE AS FOLLOWS:

   I.C.'S

   M1A - 1447 3532
   M2C - 1447 3581
   M3 - 1471 4372
   IC1 - 2474 5523
   IC2 - 2474 5531

3. LAST DIGIT OF I.C. CODE INDICATES ITS ELEMENT NUMBER
4. THIS CARD SHARES SAME CARD SLOT, SEE APPLICABLE CARD LOCATION CHART.
   THE FOLLOWING BACKPLANE PINS CANNOT BE USED:
   1B, 1H, 1I, 1J, 1K, 1L, 1M, 1N, 1P, 1Q, 1R,
   1U, 1Y, 2E, 2F, 2G, 2K, 2L, 2P, 2Q
5. THE NUMBERS XX-XXXX AND XX-XXXX-XXX ARE FOR DATA TEST 2000 PROGRAM SPECIFICATION 2478 0397 RELEASED 6-10-74.

UNLESS OTHERWISE SPECIFIED:
ALL RESISTANCE VALUES ARE IN OHMS, ±5%, 1/2W

CARD LOC

DWG. NO. 2474 3213
PAGE 1 OF 1

PAGE	E.R. DATE	REV
1	5-2-75	A

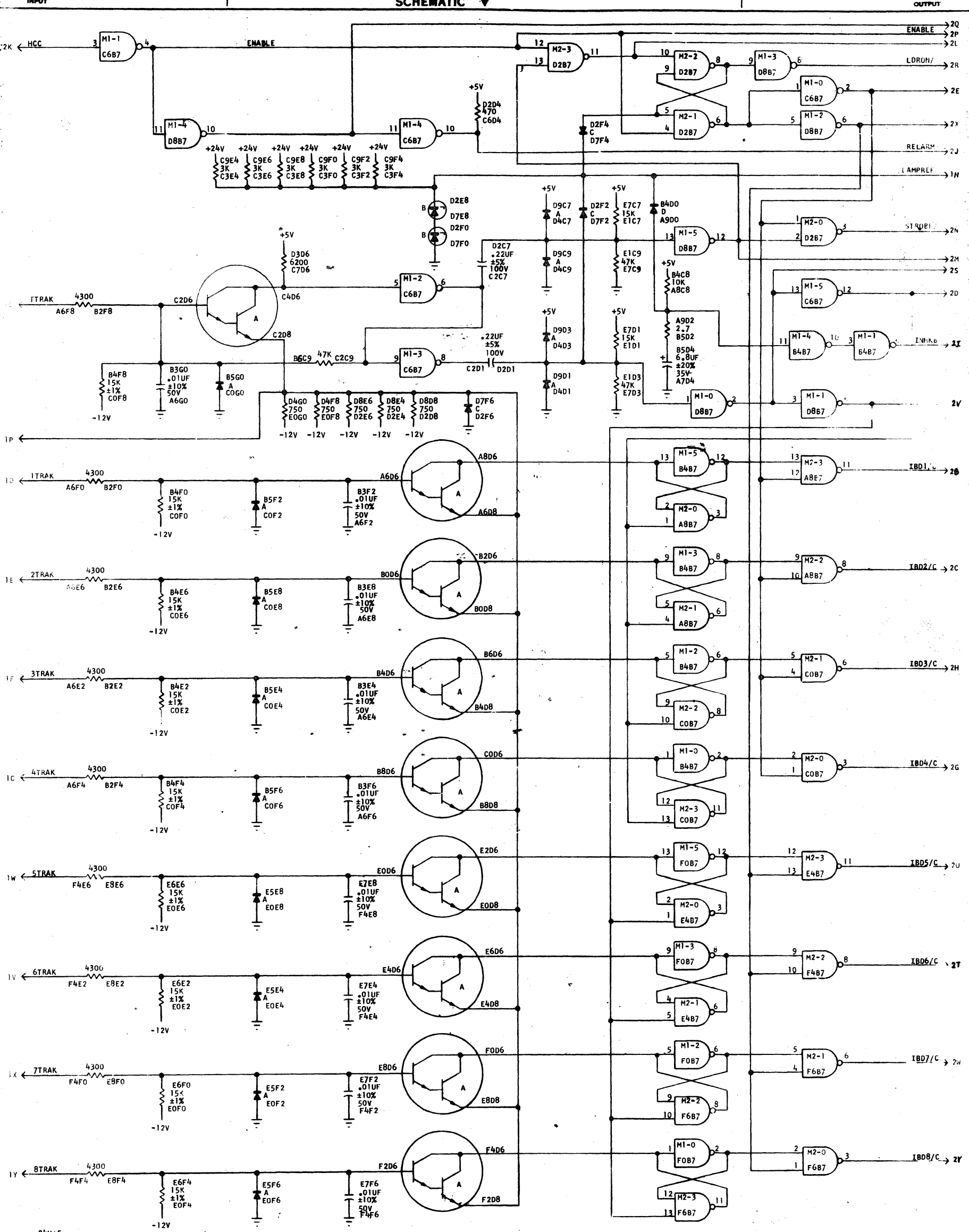
L8-108

Burroughs Corporation
SYSTEMS M & E GROUP PLYMOUTH, MICHIGAN 48170
PLYMOUTH PLANT U.S. AMERICA

TITLE	SCHEMATIC, BOARD, PROM 1K/2K X 8 (1/4K)		
SYSTEM			DWG. NO. 2474 3213
DRAWN R.SLACZKA 3-29-73	CHECKED TMR 4-2-73		
APPROVED [signature] 4-9-73	RELEASED 5-3-71	REV LETTER A	PAGE 1 OF 1

MFG.

INPUT | SCHEMATIC | OUTPUT



NOTES:

1. FOR ASSEMBLY SEE 2471 9577 ER DATE 12-20-74
2. CODES USED FOR DENOTING COMPONENT PART NUMBERS ARE AS FOLLOWS:

I.C.'S	TRANSISTORS	DIODES
M1 - 1471 4356	A - 1534 8899	A - 1471 4703
M2 - 1471 4364		B - 1479 7997
		C - 1471 4661
		D - 1471 4737

3. LAST DIGIT OF I.C. CODE INDICATES ITS ELEMENT NUMBER
4. THE FOLLOWING BACKPLANE PINS ARE SPARES: 1G, 1H, 1I, 1K, 1Q, 1R, 1T, 1U, 2F

UNLESS OTHERWISE SPECIFIED:
ALL RESISTANCE VALUES ARE IN OHMS, ±5%, 1/2W

DWG. NO. 2477 1925 PAGE 1 OF 1

PAGE	E.R.DATE	REV.
1	12-20-74	B

TITLE: SCHEMATIC, BOARD, MEMORY LOADER LOGIC
SYSTEM
DRAWN S. JACKSON 4-24-72
CHECKED
APPROVED 1-14-74
RELEASED MFG 5-21-73
REV LETTER B
DWG. NO. 2477 1925
PAGE 1 OF 1
MFG.