MEMORANDUM

Bendix Computer • DIVISION OF BENDIX AVIATION CORPORATION

TO: All Personnel Concerned

FROM: Frank Adair

SUBJECT: Cable and Harness Connections - G-15

DATE: February 18, 1960

Revised for Computers 241 and above.

Frank Adair

FRANK ADAIR

mc
encl

PL-1 TYPEWRITER

	PLF1	SIGNAL	PLM1	TYPEWRITER
H-00-F	1	⟨A⟩	1	R20
H-00-L	2	⟨S⟩	2	R27
K-0-N	3	⟨F⟩	3	R18
D-00-V	4	⟨MAN.PUNCH⟩	4	SW3-1
K-0-P	5	SINGLE CICLE⟨I⟩	5	R19
K-0-R	6	⟨M⟩	6	R16
H-00-H	7	⟨P⟩	7	R15
H-00-P	8	⟨Q⟩	8	R14
K-0-S	9	⟨R⟩	9	R13
H-00-K	10	⟨T⟩	10	R4
H-00-M	11	⟨SA⟩	11	SW1-1
D-00-N	12	TYPE 5	12	R42
D-00-M	13	TYPE 1	13	R41
D-00-L	14	TYPE 2	14	R43
D-00-K	15	TYPE 3	15	R44
D-00-J	16	TYPE 4	16	R31
H-00-X	17	SPACE KEY	17	R45
TS1a-9	18	-20V	18	-20V BUS
TB1a-AZ	19	0Vb	19	TB-7
M-0-C	20	⟨SPARE⟩	20	R11
M-0-D	21	⟨C⟩	21	R10
I-00-H	22	⟨P⟩	22	R2
TB1a-AA	23	OB_4 RELAY SIGNAL	23	RY4b-14
TB1a-AB	24	OB_3 RELAY SIGNAL	24	RY3-14
TB1a-AC	25	OB_2 RELAY SIGNAL	25	RY2-14
TB1a-AD	26	OB_1 RELAY SIGNAL	26	RY1-13
TB1a-AE	27	OB_5 RELAY SIGNAL	27	RY5-13
TB1b-DX	28		28	
TB1a-AF	29	TYPE RELAY PULSE	29	RY6-14
L-0-B	30	⟨GO⟩	30	SW4-1
L-0-C	31	⟨GO⟩	31	SW4-6
L-0-D	32	⟨BP⟩	32	SW4-4
TB1a-CH	33		33	
TB1a-Ax	34	+160V	34	TB-9
TS1a-13	35	115VAC	35	PLUG #2(t & w)
TS1a-14	36	115VAC	36	PLUG #2(v & x)
TS1a-4	37	0vc	37	GND.

PL-2WRITE CONNECTOR

LOGIC	PLF2	SIGNAL	PLM2	DRUM
K52-A	1	AR_W(AG)	1	WHITE
K52-B	2	AR_R	2	YELLOW
F4-V	3	CM_W(CG)	3	WHITE
F4-U	4	CM_R	4	YELLOW
K53-V	5	ID_W(PG)	5	YELLOW
K53-U	6	ID_R	6	WHITE
K53-A	7	PN_W(PG)	7	YELLOW
K53-B	8	PN_R	8	WHITE
K52-V	9	MQ_W(PG)	9	YELLOW
K52-U	10	MQ_R	10	WHITE
H3-A	11	$L20_W$(R)	11	YELLOW
H3-B	12	$L20_R$	12	WHITE
H3-V	13	$L21_W$(R)	13	YELLOW
H3-U	14	$L21_R$	14	WHITE
H2-A	15	$L22_W$(R)	15	YELLOW
H2-B	16	L22	16	WHITE
SHIELD	17	SHIELDS	17	SHIELD
K51-V	18	LZ_W(11)	18	YELLOW
K51-U	19	LZ	19	WHITE
K54-V	20	$L23_W$(11)	20	YELLOW
K54-U	21	$L23_R$	21	WHITE
H2-V	22	LO_W(M)	22	YELLOW
H2-U	23	LO_R	23	WHITE
K1-A	24	$L1_W$(M)	24	YELLOW
K1-B	25	$L1_R$	25	WHITE
K1-V	26	$L2_W$(M)	26	YELLOW
K1-U	27	$L2_R$	27	WHITE
K2-A	28	$L3_W$(M)	28	YELLOW
K2-B	29	$L3_R$	29	WHITE
K2-V	30	$L4_W$(M)	30	YELLOW
K2-U	31	$L4_R$	31	WHITE
K3-A	32	$L5_W$(M)	32	YELLOW
K3-B	33	$L5_R$	33	WHITE
K3-V	34	$L6_W$(M)	34	YELLOW
K3-U	35	$L6_R$	35	WHITE
K4-A	36	$L7_W$(M)	36	YELLOW
K4-B	37	$L7_R$	37	WHITE
SHIELD	38	SHIELDS	38	SHIELD
K4-V	39	$L8_W$(M)	39	YELLOW
K4-U	40	$L8_R$	40	WHITE
J1-A	41	$L9_W$(M)	41	YELLOW
J1-B	42	$L9_R$	42	WHITE
J1-V	43	$L10_W$(M)	43	YELLOW
J1-U	44	$L10_R$	44	WHITE
J2-A	45	$L11_W$(M)	45	YELLOW
J2-B	46	$L11_R$	46	WHITE
J2-V	47	$L12_W$(M)	47	YELLOW
J2-U	48	L12R	48	WHITE
J3-A	49	$L13_W$(M)	49	YELLOW
J3-B	50	$L13_R$	50	WHITE
J3-V	51	$L14_W$(M)	51	YELLOW
J3-U	52	$L14_R$	52	WHITE
J4-V	53	$L15_W$(M)	53	YELLOW
J4-U	54	$L15_R$	54	WHITE
J4-A	55	$L16_W$(M)	55	YELLOW
J4-B	56	$L16_R$	56	WHITE
H1-V	57	$L17_W$(M)	57	YELLOW
H1-U	58	$L17_R$	58	WHITE
H1-A	59	$L18_W$(M)	59	YELLOW

PL-2 WRITE CONNECTOR

LOGIC	PLF2	SIGNAL	PLM2	DRUM
HI-B	60	$L18_R$	60	WHITE
SHIELD	61	SHIELDS	61	SHIELD
K54-A	62	$L19_W$(11)	62	YELLOW
K54-B	63	$L19_R$	63	WHITE
F4-A	64	NT_W(CG)	64	YELLOW
F4-B	65	NT_R	65	WHITE
K51-A	66	SPARE	66	YELLOW
K51-B	67	SPARE	67	WHITE
	68		68	
	69		69	
	70		70	
	71		71	
	72		72	
	73		73	
	74		74	
	75		75	
	76		76	
	77		77	
SHIELD	78	SHIELDS	78	SHIELD

PL-3 PRE-AMP OUTPUT

LOGIC	PLM3	SIGNAL	PLF3	PRE-AMP
A53-A	1	AR(AG)	1	1-1-8
A53-C	2	AR_R	2	1-1-D
F26-A	3	CM(CG)	3	1-2-8
F26-C	4	CM_R	4	1-2-D
H53-A	5	ID(CG)	5	1-3-8
H53-C	6	ID_R	6	1-3-D
H52-A	7	PN(PG)	7	1-4-8
H52-C	8	PN_R	8	1-4-D
B52-A	9	MQ(PG)	9	1-5-8
B52-C	10	MQ_R	10	1-5-D
B26-A	11	M20(R)	11	1-6-8
B26-C	12	$M20_R$	12	1-6-D
B27-A	13	M21(R)	13	1-7-8
B27-C	14	$M21_R$	14	1-7-D
A26-A	15	M22(R)	15	1-8-8
A26-C	16	$M22_R$	16	1-8-D
SHIELDS	17	SHIELDS	17	C1(MINUS)
H54-A	18	MZ(11)	18	1-9-8
H54-C	19	MZ_R	19	1-9-D
J32-A	20	M23(11)	20	2-1-8
J32-C	21	$M23_R$	21	2-1-D
B23-A	22	MO(M)	22	2-2-8
B23-C	23	MO_R	23	2-2-D
F27-A	24	M1(M)	24	2-3-8
F27-C	25	$M1_R$	25	2-3-D
E23-A	26	M2(M)	26	2-4-8
E23-C	27	$M2_R$	27	2-4-D
E24-A	28	M3(M)	28	2-5-8
E24-C	29	$M3_R$	29	2-5-D

(CONTINUED)

PL-3 PRE-AMP OUTPUT

LOGIC	PLM3	SIGNAL	PLF3	PRE-AMP
E25-A	30	$M4$ (M)	30	2-6-8
E25-C	31	$M4_R$	31	2-6-D
E26-A	32	M5 (M)	32	2-7-8
E26-C	33	$M5_R$	33	2-7-D
E27-A	34	M6 (M)	34	2-8-8
E27-C	35	$M6_R$	35	2-8-D
D23-A	36	M7 (M)	36	2-9-8
D23-C	37	$M7_R$	37	2-9-D
SHIELDS	38	SHIELDS	38	C1(MINUS)
D24-A	39	M8 (M)	39	3-1-8
D24-C	40	$M8_R$	40	3-1-D
D25-A	41	M9 (M)	41	3-2-8
D25-C	42	$M9_R$	42	3-2-D
D26-A	43	M10 (M)	43	3-3-8
D26-C	44	$M10_R$	44	3-3-D
D27-A	45	M11 (M)	45	3-4-8
D27-C	46	$M11_R$	46	3-4-D
C23-A	47	M12 (M)	47	3-5-8
C23-C	48	$M12_R$	48	3-5-D
C24-A	49	M13 (M)	49	3-6-8
C24-C	50	$M13_R$	50	3-6-D
C25-A	51	M14 (M)	51	3-7-8
C25-C	52	$M14_R$	52	3-7-D
C26-A	53	M15 (M)	53	3-8-8
C26-C	54	$M15_R$	54	3-8-D
C27-A	55	M16 (M)	55	3-9-8
C27-C	56	$M16_R$	56	3-9-D
B24-A	57	M17 (M)	57	4-1-8
B24-C	58	$M17_R$	58	4-1-D
B25-A	59	M18 (M)	59	4-2-8
B25-C	60	$M18_R$	60	4-2-D
SHIELDS	61	SHIELDS	61	C1(MINUS)
K32-A	62	M19 (11)	62	4-3-8
K32-C	63	$M19_R$	63	4-3-D
F25-C	64	CN (CG)	64	4-4-8
F25-C	65	CN_R	65	4-4-D
	66		66	4-5-8
	67		67	4-5-D
C29-C	68	TM(TG)	68	4-6-8
B31-C	69	TM_R	69	4-6-D
	70		70	4-7-8
	71		71	4-7-D
TS2-1	72	CLOCK	72	4-8-8
TS2-3	73	$CLOCK_R$	73	4-8-D
	74		74	
	75		75	4-9-8
	76		76	4-9-D
	77		77	
SHIELDS	78	SHIELDS	78	C1(MINUS)

PL-4 PRE-AMP INPUT

DRUM	PLF4		PIM4	PRE-AMP
RED	1	AR	1	1-1-E
BLACK	2		2	1-1-H
RED	3	CM	3	1-2-E
BLACK	4		4	1-2-H
BLACK	5	ID	5	1-3-E
RED	6		6	1-3-H
BLACK	7	PN	7	1-4-E
RED	8		8	1-4-H
BLACK	9	MQ	9	1-5-E
RED	10		10	1-5-H
BLACK	11	L20	11	1-6-E
RED	12		12	1-6-H
BLACK	13	L21	13	1-7-E
RED	14		14	1-7-H
BLACK	15	L22	15	1-8-E
RED	16		16	1-8-H
SHIELD	17	SHIELD	17	C4(MINUS)
BLACK	18	L23	18	1-9-E
RED	19		19	1-9-H
BLACK	20	LZ	20	2-1-E
RED	21		21	2-1-H
RED	22	LO	22	2-2-E
BLACK	23		23	2-2-H
RED	24	L1	24	2-3-E
BLACK	25		25	2-3-H
RED	26	L2	26	2-4-E
BLACK	27		27	2-4-H
RED	28	L3	28	2-5-E
BLACK	29		29	2-5-H
RED	30	L4	30	2-6-E
BLACK	31		31	2-6-H
RED	32	L5	32	2-7-E
BLACK	33		33	2-7-H
RED	34	L6	34	2-8-E
BLACK	35		35	2-8-H
RED	36	L7	36	2-9-E
BLACK	37		37	2-9-H
SHIELD	38	SHIELD	38	C4(MINUS)
RED	39	L8	39	3-1-E
BLACK	40		40	3-1-H
RED	41	L9	41	3-2-E
BLACK	42		42	3-2-H
RED	43	L10	43	3-3-E
BLACK	44		44	3-3-H
RED	45	L11	45	3-4-E
BLACK	46		46	3-4-H
RED	47	L12	47	3-5-E
BLACK	48		48	3-5-H
RED	49	L13	49	3-6-E
BLACK	50		50	3-6-H
RED	51	L14	51	3-7-E
BLACK	52		52	3-7-H
RED	53	L15	53	3-8-E
BLACK	54		54	3-8-H
RED	55	L16	55	3-9-E
BLACK	56		56	3-9-H

PL-4 PRE-AMP INPUT

DRUM	PLF4		PIM4	PRE-AMP
RED	57	L17	57	4-1-E
BLACK	58		58	4-1-H
RED	59	L18	59	4-2-E
BLACK	60		60	4-2-H
SHIELD	61	SHIELD	61	C4(MINUS)
RED	62	L19	62	4-3-E
BLACK	63		63	4-3-H
RED	64	CN	64	4-4-E
BLACK	65		65	4-4-H
RED	66	SPARE	66	4-5-E
BLACK	67		67	4-5-H
RED	68	TM	68	4-6-E
BLACK	69		69	4-6-H
	70		70	4-7-E
	71		71	4-7-H
RED	72	CLOCK	72	4-8-E
	73		73	
BLACK	74		74	4-8-H
RED	75	SPARE CLOCK	75	4-9-E
	76		76	
BLACK	77		77	4-9-H
SHIELD	78	SHIELD	78	C4(MINUS)

PL-5 MAGNETIC TAPE

	PLF5		PIM5	MAG. TAPE UNIT	
N-0-T	1	(1)	1	PLF1-1	M.T.U. 1
PLF 18-20, N-0-U	2	(2)	2	PLF1-2	M.T.U. 2
D-00-P	3	MAG.1 OUT	3	PLF1-3	WRITE 1
PLF 18-21, N-0-V	4	(3)	4	PLF1-4	M.T.U. 3
N-0-X	5	(4)	5	PLF1-5	M.T.U. 4
D-00-R	6	MAG.2 OUT	6	PLF1-6	WRITE 2
J-00-T	7	MAG.5 IN	7	PLF1-36	READ 5
A-00-X	8	MAG.6 IN	8	PLF1-37	READ 6
D-00-S	9	MAG.3 OUT	9	PLF1-9	WRITE 3
D-00-T	10	MAG.4 OUT	10	PLF1-10	WRITE 4
	11		11	PLF1-11	OA
	12		12	PLF1-12	OA
D-00-U	13	MAG.5 OUT	13	PLF1-13	WRITE 5
	14		14	PLF1-14	OA
A-00-Z	15	MAG.6 OUT	15	PLF1-15	WRITE 6
TS1-5	16	OVC	16	PLF1-16	OB
TS1-8	17	-20V	17	PLF1-17	-20V
TS1-4	18	OVC	18	PLF1-18	OA
J-00-N	19	MAG.1 IN	19	PLF1-32	READ 1
J-00-P	20	MAG.2 IN	20	PLF1-33	READ 2
J-00-R	21	MAG.3 IN	21	PLF1-34	READ 3
J-00-S	22	MAG.4 IN	22	PLF1-35	Read 4
TS1-2	23	+160	23	PLF1-23	+160
A-00-R	24	MAG.TAPE FAST	24	PLF1-24	FAST
A-00-S	25	READY **	25	PLF1-25	STOP
A-00-T	26	MAG.TAPE REVERSE	26	PLF1-26	REVERSE
N-0-S	27	MAG. FWD.	27	PLF1-27	FORWARD

PL-6 PHOTO READER

	PLF6		PLM6	PHOTO READER
TB1a-DA	1	OUTPUT 1	1	TP-7
TB1a-DB	2	OUTPUT 2	2	TP-6
TB9a-4	3	6.3 VAC	3	V1-4
TB1a-DC	4	OUTPUT 3	4	TP-1
TB1a-DD	5	OUTPUT 4	5	TP-2
TB9a-8	6	6.3 VAC	6	V1-9
TB1a-DE	7	OUTPUT 5	7	TP-3
	8		8	
TB1a-DK	9	FORWARD	9	R5
TB1a-DL	10	REVERSE	10	R6
	11		11	
	12		12	
	13		13	
TB2a-AA	14	115VAC	14	L1
TB2a-AD	15	115VAC	15	L2
TB1a-DR	16	+100V	16	R24
PLF15-9	17	TAPE RUN	17	SW2-2
TB2a-AE	18	WAIT FOR TAPE SIG.	18	RYB-11
TB1a-DP	19	-160V	19	R39
TB1a-CC	20	+160V	20	RYB-14
TB1a-CB	21	OVb	21	SW1-2
TB1a-DS	22	Ova	22	C20
TB1a-DN	23	-20V	23	R57

PL-7 POWER PLUG

	PLF7		PLM7
TB5b-1	1	GND. (CHASSIS)	1
CB1-1	2	115VAC	2
CB1-2	3	115VAC	3

PL-8 PLOTTER PA-2

	PLF8		PLM8	PACKAGE TESTER
AON	1	$-\Delta X$	1	D5-F
AOM	2	$+\Delta X$	2	A5-H
AOP	3	$+\Delta Y$	3	A1-J
AOR	4	$-\Delta Y$	4	A1-E
TS1b-8	5	-20V	5	B2-K
	6		6	A1-L
TS1a-11	7	-160V	7	
TS1b-1	8	+250V	8	
	9		9	C5-D
TS1b-4	10	OV	10	D5-P
TS1b-2	11	+160V	11	C5-A
TS1a-13	12	110 VAC	12	
TS1b-14	13	110 VAC	13	TS1-1
	14		14	
	15		15	TS1-4
TB6-1	16	-13V	16	
	17			

PL-9 UTILITY OUTLET

	PLF9		PLM9
FB1-F18-LOAD	1	115VAC	1
TB7b-3	2	115VAC	2

PL-13 CONNECTOR FOR PHOTO DIODES

	PLF13		PLM13	
V3-2	1	CHANNEL 4	1	CR15
V3-7	2	CHANNEL 5	2	CR16
V2-7	3	CHANNEL 3	3	CR14
V2-2	4	SPROCKET	4	CR13
V2-3	5	COMMON	5	CR11, CR12, CR14, CR15, CR16
V1-2	6	CHANNEL 1	6	CR11
V1-7	7	CHANNEL 2	7	CR12
R55&R56	8	SPROCKET) RETURN)	8	CR13
	9		9	

PL-14 REMOTE NEON PANEL

	PLF14	
TB2a-BB	1	CQ NEON
TB2a-BD	2	C7 NEON
TB2a-CF	3	C8 NEON
TB2a-BJ	4	C9 NEON
TB2a-BL	5	CU NEON
TB2a-BN	6	CV NEON
TB2a-DR	7	CG NEON
TB2a-DT	8	C2 NEON
TB2a-DV	9	C3 NEON
TB2a-BZ	10	C4 NEON
TB2a-CB	11	C5 NEON
TB2a-CD	12	C6 NEON
TB2a-CJ	13	CD_1 NEON
TB2a-CL	14	CW NEON
TB2a-CN	15	CX NEON
TB2a-CR	16	C1 NEON
TB2a-CT	17	FO NEON
TB2a-CV	18	CH NEON
TB2a-CZ	19	OC_1 NEON
TB2a-DB	20	OC_2 NEON
TB1a-BZ	21	READY RELAY SIG.
TB2a-DJ	22	OC_3 NEON
TB2a-DL	23	IP NEON
TB2a-DN	24	OC_4 NEON
TB2a-BF	25	OVa
TB2a-BS	26	+100V
TB2a-BV	27	-160V
TB2a-DC	28	CD_2 NEON
TB2a-DZ	29	CD_3 NEON
TB2a-DF	30	GO DA
	31	
TB1a-CF	32	

PL-15 PUNCH PLUG

	PLF15	PLM15	PUNCH
TB1a-BD	1 OB_1	1	R15
TB1a-BC	2 OB_2	2	R16
TB1a-BB	3 OB_3	3	R17
TB1a-BA	4 OB_4	4	R18
TB1a-BE	5 OB_5	5	R19
TB1a-DM	6 PUNCH SIG.	6	R9
	7	7	
	8	8	
PLF6-17	9 LEADER	9	R8
	10	10	
TB2a-AB	11 115VAC	11	TS13-1
TB2a-AC	12 115VAC	12	PLF16-V
TB9a-4	13 6.3 VAC	13	V6-3
TB1a-CD	14 +160V	14	PLF16-M
TB9a-8	15 6.3 VAC	15	V1-4
TB1a-CA	16 OVB	16	SW1-2

PL-16 DIFFERENTIAL ANALYZER POWER

	PLF16	PLM16
TB3b-U	1 115VAC	1
TB3b-T	2 115VAC	2
TB3b-Z	3 K3(D.C.ON RELAY) 115V	3
TB3b-P	4 K1(FIRST FIL.REL.) 115V	4
TS1b-8	5 -20V	5
TS1b-4	6 OVC for +100 &-20 & -160	6
TB3b-S	7 INTERLOCK	7
R-0-X	8 INTERLOCK	8
TB3b-S	9 K2(SECOND FIL. RELAY)	9
TB6-1	10 -13V	10
L-0-X	11 ⟨CLEAR⟩	11
TS1b-5	12 0V (For +160V)	12
TS1b-2	13 +160V	13
TS1b-1	14 +250V	14
	15	15
	16	16

PL-16 PUNCH CIRCUITRY

	PLF16	PLM16	
R2	A PUNCH-1	A	PUNCH (1)
R3	B PUNCH-2	B	PUNCH (2)
R4	C PUNCH-3	C	PUNCH (3)
R5	D PUNCH-4	D	PUNCH (4)
R6	E PUNCH-5	E	PUNCH (5)
	F	F	
	H	H	
	J	J	
R1	K SPROCKET	K	PUNCH (S)
PLF16-P	L +160V	L	TAPE INTERLOCK CONTACTS
PLM15-14	M +160V	M	TAPE INTERLOCK CONTACTS
	N	N	
PLF16-L	P +160V	P	PUNCH CYCLE CONTACTS
PLF16-X	R +160V	R	PUNCH CYCLE CONTACTS
	S	S	
	T	T	
TS13-2	U +115VAC	U	
PLM15-12	V +115VAC	V	
	W	W	
PLF16-R	X +160V	X	PLM16-Y)COMMON
CR-Z	Y +160V	Y	PLM16-X)TO PUNCH)SOLENOIDS

PL-17 PUNCH (HI SPEED)

F-00-N	1	PUNCH-1
F-00-J	2	PUNCH-2
F-00-H	3	PUNCH-3
F-00-M	4	PUNCH-4
H-00-J	5	PUNCH-5
H-00-N	6	FAST OUT . OC_2
H-00-Z	7	H.S. PUNCH GATE
J-00-Z	8	PUNCH SYNC.
L-00-B	9	DS. $\overline{CV}$
TS1-7	10	OVC
TS1-10	11-20	
L-00-C	12	TF
L-00-D	13	SLOW IN . $\overline{OC}$, . $\overline{STOP}$ OB
TS4-2	14	W.P.
A-00-H	15	Z
A-00-F	16	W
TS1-3	17	+100
TS1-1	18	+250
TS1-12	19	-160
A-00-J	20	OB_2
A-0-F	21	1
A-0-H	22	2
B-00-F	23	3
B-00-H	24	PUNCHED TAPE 1
B-00-J	25	PUNCHED TAPE 2
B-00-K	26	PUNCHED TAPE 3
B-00-L	27	PUNCHED TAPE 4
B-00-M	28	PUNCHED TAPE 5
B-00-N	29	READY *
B-00-P	30	C
B-00-R	31	H
B-00-S	32	M 23
B-00-T	33	PHOTO TAPE FWD.
TB1-BF	34	WAIT FOR TAPE
TB1-BH	35	115 VAC
TB1-BT	36	115 VAC
TB1-BK	37	+160

PL-18 CARD

	PLF18		PLM18
N-00-T	1	INPUT-1	1
N-00-U	2	INPUT-2	2
N-00-V	3	INPUT-3	3
N-00-X	4	INPUT-4	4
N-00-M	5	INPUT-5	5
TB1a-CN	6	CARD READ RELAY SIG.	6
TB1a-CP	7	CARD READ RELAY PULSE	7
TB1a-CR	8	CARD PUNCH RELAY SIG.	8
TB1a-CS	9	CARD PUNCH RELAY PULSE	9
TB1a-CT	10	PUNCH-1(OB_1 RELAY SIG.)	10
TB1a-CU	11	PUNCH-2(OB_2 RELAY SIG.)	11
TB1a-CV	12	PUNCH-3(OB_3 RELAY SIG.)	12
TB1a-CX	13	PUNCH-4(OB_4 RELAY SIG.)	13
TB1a-CZ	14	PUNCH-5(OB_5 RELAY SIG.)	14
E-0-M	15	T21-CN	15
J-0-Z	16	CQS	16
I-0-N	17	C1	17
C-00-K	18	DS·S5·SW	18
To PL-31	19		19
PLF5-2	20	(2)	20
PLF5-4	21	(3)	21
	22		22
	23		23
TS1b-7	24	OV_C (For -20V)	24
TS1b-7	25	OV (For +160V)	25
TS1b-2	26	+160	26
TS1b-10	27	-20	27
N-00-S	28	SET SIGN FF	28
To PL-31 C-0-K	29	OUT PUT SHIFT	29
To PL-31 C-0-J	30	OUT PUT SIGNAL	30

PL-19 INPUT REGISTER

	PLF19		PIM19
C-0-F	1	INPUT SIGNAL	1
C-0-H	2	SC·M20	2
C-0-M	3	READY INPUT SIGNAL	3
	4		4
	5		5
TB1b-7	6	OVC	6
A-0-J	7	WRITE PULSE	7
F-0-J	8	START G_1	8
F-0-K	9	STOP G_2	9
	10		10
TS1b-10	11	-20V	11
A-0-K	12	SHIFT COMMAND	12

PL-20 OUTPUT REGISTER

	PLF20		PIM20
C-0-J	1	OUTPUT SIGNAL	1
C-0-K	2	OUTPUT SHIFT	2
C-0-L	3	READY OUTPUT	3
	4		4
	5		5
TS1b-5	6	OVC	6
	7		7
	8		8
	9		9
TS1a-1	10	+250V	10
TS1b-10	11	-20V	11

PL-21 DIFFERENTIAL ANALYZER

	PLF21		PIM21
	1		1
	2		2
C-00-X	3	TO	3
E-0-K	4	OVERFLOW	4
H-0-F	5	$\overline{M6}$	5
F-0-L	6	M7 dx	6
F-0-H	7	M8	7
E-0-T	8	M9	8
H-0-Z	9	M10	9
H-0-X	10	M11 dy	10
H-0-V	11	M12	11
H-0-U	12	M13	12
H-0-T	13	$\overline{M14}$ K dx	13
F-0-N	14	$M14_W$	14
H-0-S	15	$\overline{M15}$ K	15
H-0-R	16	$\overline{M16}$ R	16
H-0-J	17	$M16_W$	17
H-0-P	18	$\overline{M17}$ Y	18
H-0-N	19	$\overline{M17}$	19
H-0-H	20	$M17_W$	20
H-0-M	21	$\overline{M18}$ START	21
H-0-L	22	$\overline{M21}$ ZE	22
E-0-L	23	$M21_W$	23
H-0-K	24	$\overline{M22}$ ZS	24
E-0-M	25	$M22_W$	25
E-0-P	26	$\overline{GO}$ -21,22	26
E-0-R	27	$\overline{GO}$* 16, 17	27
E-0-S	28	$\overline{GO}$*** 14	28
TB2a-DE	29	GO NEON	29
TS4-2	30	W.P.	30
C-00-M	31	DS·S4·SX	31
K-00-X	32	TF	32
K-00-V	33	T29	33
A-00-V	34	T13	34

PL-1 DIFFERENTIAL ANALYZER INPUT

	PLM1		PLF1		
PLM21-1	1	START (DS·S4·SX·④)	1	A9-P	
PLM21-2	2	STOP (DS·S4·SX·①)	2	A9-N	
PLM21-3	3	TO	3	H5-K	
PLM21-4	4	OVERFLOW	4	J11-V	
PLM21-5	5	M6	5	SW6-3	
PLM21-6	6	M7 dx	6	SW7-3	dx
PLM21-7	7	M8	7	SW8-3	
PLM21-8	8	M9	8	SW9-3	
PLM21-9	9	M10	9	SW10-3	
PLM21-10	10	M11 dy	10	SW11-3	dy
PLM21-11	11	M12	11	SW12-3	
PLM21-12	12	M13	12	SW13-3	
PLM21-13	13	$\overline{M14}$ Kdx	13	A17-A	
PLM21-14	14	$M14_W$	14	B17-V	
PLM21-15	15	$\overline{M15}$ (K)	15	A16-A	
PLM21-16	16	$\overline{M16}$ R	16	H15-A	
PLM21-17	17	$M16_W$	17	H18-V	
PLM21-18	18	M17	18	J4-D	
PLM21-19	19	$\overline{M17}$ Y	19	J6-A	
PLM21-20	20	$M17_W$	20	J11-S	
PLM21-21	21	$\overline{M18}$ (Start)	21	H15-V	
PLM21-22	22	$\overline{M21}$ ZE	22	B6-D	
PLM21-23	23	$M21_W$	23	B13-P	
PLM21-24	24	$\overline{M22}$ ZS	24	B7-D	
PLM21-25	25	$M22_W$	25	B13-R	
PLM21-26	26	$\overline{GO}$ *	26	A13-R	
PLM21-27	27	$\overline{GO}$ ***	27	A13-S	
PLM21-28	28	$\overline{GO}$	28	A13-V	

PL-1 DIFFERENTIAL ANALYZER INPUT

	PLM1		PLF-1	
PLM21-29	29		29	
PLM21-30	30	W.P.	30	C11-P
PLM21-31	31	0Vc	31	
PLM21-32	32		32	
PLM21-33	33		33	
PLM21-34	34	-20V	34	

PL-2 D.A. POWER

	PLM2		PLF2	
PLM16-1	1	115VAC	1	$TS3_a$-36
PLM16-2	2	115VAC	2	$TS3_a$-32
PLM16-3	3	K3 (D.C. ON RELAY)	3	$TS3_a$-35
PLM16-4	4	K1 (FIRST FIL. RELAY)	4	$TS3_a$-33
PLM16-5	5	-20V	5	$TS3_a$-30
PLM16-6	6	0Vc	6	$TS3_a$-7
PLM16-7	7	Interlock	7	A10-L
PLM16-8	8	Interlock	8	$TS3_a$-29
PLM16-9	9	K2 (Sec. Fil. Relay)	9	$TS3_a$-34
PLM16-10	10	-13v	10	C11-K
PLM16-11	11		11	
PLM16-12	12	0v (for +160v)	12	PLF3-10, PLF4-10
PLM16-13	13	+160v	13	PLF3-11, PLF4-11
PLM16-14	14	+250v	14	$TS3_a$-31
PLM16-15	15		15	
PLM16-16	16		16	

PL-3 GRAPH PLOTTER AND FOLLOWER

PLM3		PLF3	
1	$-\Delta X_1$ Out	1	B11-P
2	$+\Delta X_1$ Out	2	B11-R
3	$-\Delta Y_1$ Out	3	B11-T
4	$+\Delta Y_1$ Out	4	B11-V
5	GND	5	J12-J
6	GO•WO	6	C18-R
7	$-\Delta$Y IN	7	C8-K
8	$+\Delta$Y IN	8	C3-K
9		9	
10	0v (For +160v)	10	PLF2-12
11	+160v	11	PLF2-13
12	115VAC	12	$TS3_a$-24
13	115VAC	13	$TS3_a$-25
14		14	
15		15	
16		16	
17		17	
18		18	
19		19	

TAPER PIN CONNECTIONS

	A-0-		A-0-	
A-00-A	A $\overline{CS}$(CS)(IG)	A	A 7-A
A-00-B	B SPARE	B	
A-00-C	C AC_S(CG)	C	J 19-F
A-00-D	D C8 (CS)	D	B 15-K
A-00-E	E $\overline{C1}$ (CS)	E	D 2-T
PLF17-21	F (1)	F	
PLF17-22	H (2)	H	
PLF19-7	J WRITE PULSE	J	
PLF19-12	K SHIFT COMMAND	K	
	L	L	
PLF8-2	M + X	M	
PLF8-1	N - X	N	
PLF8-3	P + Y	P	
PLF8-4	R - Y	R	
TB1-BV	S	S	
	T	T	
TB2a-DK	U IP NEON(IG)	U	A 24-R
	V	V	
TB2a-DD	X CD_2 NEON (M)	X	H 27-R
TB2a-DX	Z CD_3 NEON (M)	Z	H 27-P

	B-0-		B-0-	
TB2a-CP	A C1 NEON(CS)	A	D 2-R
TB2a-DS	B C2 NEON(CS)	B	D 2-P
TB2a-DU	C C3 NEON(CS)	C	C 1-R
TB2a-BX	D C4 NEON(CS)	D	C 1-P
TB2a-CA	E C5 NEON(CS)	E	C 2-R
TB2a-CC	F C6 NEON(CS)	F	C 2-P
TB2a-BC	H C7 NEON(CS)	H	B 1-R
TB2a-CE	J C8 NEON(CS)	J	B 1-P
TB2a-BH	K C9 NEON(CS)	K	B 2-R
TB2a-BK	L CU NEON(CS)	L	B 2-P
TB2a-BM	M CV NEON(CS)	M	A 2-R
TB2a-CK	N CW NEON(CS)	N	A 2-P
TB2a-CM	P CX NEON(CS)	P	A 1-R
TB2a-BA	R CQ NEON(CG)	R	K 23-R
TB2a-CU	S CH NEON(CG)	S	J 24-P
TB2a-DP	T CG NEON(CG)	T	K 23-P
B-00-U	U $\overline{TS}$ (IG)	U	A 7-K
B-00-V	V TS (IG)	V	A 9-V
B-00-X	X CS (CS)	X	D 1-T
B-00-Z	Z IB (IG)	Z	B 5-K

	C-0-		C-0-	
C-00-A	A CS+$\overline{CX}$ (IG)	A	A 3-C
C-00-B	B $\overline{CW}$ (CS)	B	A 2-V
C-00-C	C SU***(CS)	C	B 3-R
C-00-D	D SW (CS)	D	B 4-S
C-00-E	E PC (IG)	E	E 19-T
PLF19-1	F INPUT SIG.(CS)	F	A 3-U
PLF19-2	H SC·M20	H	A 5-S
PLF20-1, PLF18-30	J OUTPUT SIG. (CS)	J	K 26-P
PLF20-2, PLF18-29	K OUTPUT SHIFT (CS)	K	A 5-R
PLF20-3	L READY OUTPUT (CG)	L	K 7-D
PLF19-3	M READY INPUT SIG.(CG)	M	K 14-K
C-00-N	N $\overline{IS}$ (IG)	N	A 22-D
C-00-P	P PG CLEAR(IG)	P	A 17-U
C-00-R	R $\overline{MJ}$ (M)	R	E 22-E
C-00-S	S SPARE	S	
C-00-T	T S2(CS)	T	C 3-D
C-00-U	U T29***(CG)	U	J 18-J
C-00-V	V D7 (CS)	V	E 2-S
TB2a-CH	X CD_1 NEON(M)	X	H 5-R
C-00-Z	Z TS(IG)	Z	H 5-D

	D-0-		D-0-	
D-00-A	A S1(CS)	A	C 3-P
D-00-B	B TS(IG)	B	A 8-V
D-00-C	C S5(CS)	C	C 5-P
D-00-D	D SV(CS)	D	B 3-A
D-00-E	E T29·TR·D7·$\overline{C3}$·IS·$\overline{IC}$ (CS)	E	F 1-P
D-00-F	F T29·$\overline{CE}$·TR·$\overline{DW}$·C6·C5·IS·$\overline{IC}$(CS)	F	F 1-R
	H	H	
	J	J	
	K	K	
	L	L	
	M	M	
	N	N	
	P	P	
	R	R	
	S	S	
	T	T	
	U	U	
	V	V	
D-00-X	X LB***(M)	X	H 7-V
D-00-Z	Z AA(IG)	Z	E 20-A

	E-0-		E-0-	
E-00-A	A D6(CS)	A	F 2-U	
E-00-B	B $\overline{CB}$(CS)	B	D 6-K	
E-00-C	C $\overline{CE}$(CG)	C	F 16-T	
E-00-D	D CF(CG)	D	F 22-C	
E-00-E	E $\overline{CN}$(CG)	E	F 16-V	
E-00-F	F PA(IG)	F	E 20-V	
	H	H		
	J	J		
PLF21-4	K OVERFLOW (DA-1)(IG)	K	E 19-C	
PLF21-23	L M21(WRITE) (R)	L	D 1-E	
PLF21-25	M M22(WRITE) (R)	M	D 1-R	
	N	N		
PLF21-26	P $\overline{GO}$ (R)	P	D 8-A	
PLF21-27	R $\overline{GO}$* (M)	R	D 8-E	
PLF21-28	S $\overline{GO}$**(M)	S	H 13-D	
PLF21-8	T M9 (M)	T	J 5-V	
	U	U		
	V	V		
E-00-X	X $\overline{M23}$*(M)	X	D 20-M	
E-00-Z	Z SPARE	Z		

	H-0-		H-0-	
H-00-A	A DV(CS)	A	D 3-C	
H-00-B	B DW*(CS)	B	D 4-R	
H-00-C	C S6(CS)	C	E 12-D	
H-00-D	D SX*(CS)	D	D 1-D	
H-00-E	E $\overline{TI}$ (CG)	E	F 19-M	
PLF21-5	F M6 (M)	F	J 5-P	
PLF21-20	H M17(WRITE) (M)	H	H 3-J	
PLF21-17	J M16(M)	J	H 2-J	
PLF21-24	K $\overline{M22}$ (R)	K	A 27-R	
PLF21-22	L $\overline{M21}$ (R)	L	A 27-P	
PLF21-21	M $\overline{M18}$ (M)	M	H 4-U	
PLF21-19	N $\overline{M17}$ (M)	N	H 4-S	
PLF21-18	P M17 (M)	P	H 4-R	
PLF21-16	R $\overline{M16}$ (M)	R	H 4-P	
PLF21-15	S $\overline{M15}$ (M)	S	K 24-U	
PLF21-13	T $\overline{M14}$ (M)	T	K 24-S	
PLF21-12	U M13 (M)	U	K 24-R	
PLF21-11	V M12 (M)	V	K 24-P	
PLF21-10	X M11 (M)	X	A 27-S	
PLF21-9	Z M10 (M)	Z	J 25-S	

	F-0-		F-0-	
F-00-A	A SO**(CS)	A	C 3-R	
F-00-B	B ID (CS)	B	A20-M	
F-00-C	C S7*(CS)	C	E 2-U	
TB6 -1	D -13V	D	A 21-L	
F-00-E	E CC (CG)	E	E 13-E	
F-00-F	F D5 (CS)	F	E 4-S	
PLF21-7	H M8 (M)	H	J 5-T	
PLF19-8	J START INPUT (CS)	J	A 12-B	
PLF19-9	K STOP INPUT (CS)	K	A 12-L	
PLF21-6	L M7 (M)	L	J 5-R	
PLF18-15	M T21-CN	M		
PLF21-14	N M14(WRITE) (M)	N	H 1-J	
F-00-P	P LB (R)	P	C 9-V	
F-00-R	R LB* (M)	R	K 8-V	
F-00-S	S S3(CS)	S	C 4-P	
F-00-T	T LB**(M)	T	F 7-V	
F-00-U	U ⟨MAN. PUNCH⟩ (CG)	U	K 21-S	
F-00-V	V ③ (CS)	V	A 12-T(N-0-V)	
F-00-X	X ④ (CS)	X	B 12-A(N-0-X)	
F-00-Z	Z $\overline{CV}$ (CS)	Z	A 2-T	

	I-0-		I-0-	
I-00-A	A $\overline{PC}$(IG)	A	E 18-D	
I-00-B	B $\overline{AC}$(IG)	B	E 17-D	
I-00-C	C AC(CG)	C	E 19-E	
I-00-D	D FO(CG)	D	K 20-A	
I-00-E	E $\overline{FOR}$(CG)	E	K 17-K	
I-00-F	F (X) (IG)	F	F 1-S	
TB1a-AH	H RING BELL (CS)	H	K 21-N	
I-00-J	J T28(CG)	J	H 20-T	
I-00-K	K $\overline{D5}$(CS)	K	E 4-U	
I-00-L	L $\overline{DX \cdot TR}$*(CS)	L	D 5-U	
TB10-AU	M M19*(CG)	M	F 17-K(N-0-C)	
PLF18-17	N C1	N		
TB10-AE	P CM(CG)	P	F 26-V	
TB10-AA	R CN(CG)	R	F 14-C	
TB10-AF	S MO(M)	S	F 12-E	
TB10-AB	T M1(M)	T	F 2-T(N-0-R)	
TB10-AS	U RC(CG)	U	J 25-R	
TB10-AM	V TR(CG)	V	A 7-E	
TB10-AH	X T1•CN(CG)	X	H 21-R(M-0-N)	
TB10-AC	Z $\overline{MC}$ (CG)	Z	K 15-D	

	J-0-		J-0-	
J-00-A	A	DS*(CS)	A	F 5-S
J-00-B	B	AR (CG)	B	K 18-N
J-00-C	C	$\overline{\text{AR}}$ (CG) (IG)	C	K 16-T
J-00-D	D	C7 (CS)	D	B 1-S
J-00-E	E	$\overline{\text{C7}}$ (CS)	E	B 1-T
J-00-F	F	CE (CG)	F	F 15-A
J-00-H	H	⟨SA⟩ (CG)	H	K 17-S
J-00-J	J	AUTO TAPE START(CG)	J	E 7-P
J-00-K	K	SPARE	K	
J-00-L	L	SPARE	L	
J-00-M	M	M3(M)	M	K 9-B
	N		N	
	P		P	
	R		R	
	S		S	
	T		T	
	U		U	
	V		V	
	X		X	
PLF18-16	Z	CQS	Z	

	L-0-		L-0-	
L-00-A	A	D4(CS)	A	E 4-P
PLF1-30	B	⟨GO⟩ (CG)	B	J 18-U
PLF1-31	C	⟨$\overline{\text{GO}}$⟩ (CG)	C	J 21-T
PLF1-32	D	⟨BP⟩ (CG)	D	J 21-D
L-00-E	E	SPARE	E	
L-00-F	F	SPARE	F	
L-00-H	H	SPARE	H	
L-00-J	J	SPARE	J	
L-00-K	K	T21 (CG)	K	J 15-A
L-00-L	L	TR_R (CG)	L	J 17-S
L-00-M	M	SPARE	M	
L-00-N	N	PM (CG)	N	J 19-D
L-00-P	P	SPARE	P	
L-00-R	R	RETURN (CG)	R	H 19-K
L-00-S	S	TO (CG)	S	J 20-C
L-00-T	T	SPARE	T	
L-00-U	U	$\overline{\text{T13}}\cdot\overline{\text{T21}}$ (CG)	U	F 19-A
L-00-V	V	$\overline{\text{PP}}$ (IG)	V	E 18-C
L-0-X	X	⟨CLEAR⟩	X	
TB2a-AT	Z	⟨$\overline{\text{CLEAR}}$⟩ (CG)	Z	F 15-V

	K-0-		K-0-	
K-00-A	A	$\overline{\text{CS}\cdot\text{CE}}$ (CS)	A	F 5-R
K-00-B	B	DU (CS)	B	E 5-C
K-00-C	C	TYPE 1 (M)	C	D 9-R
K-00-D	D	TYPE 2 (M)	D	D 9-T
K-00-E	E	TYPE 3 (M)	E	D 9-E
K-00-F	F	LB (CG)	F	K 18-E
K-00-H	H	LB****(M)	H	J 8-V
K-00-J	J	LB (M)	J	J 7-V
K-00-K	K	SPARE	K	
K-00-L	L	M2 (M)	L	K 8-B
K-00-M	M	$\overline{\text{M2}}$ (M)	M	E 22-C
PLF1-3	N	⟨F⟩ (CG)	N	K 17-A
PLF1-5	P	⟨I⟩ (CG)	P	K 17-T
PLF1-6	R	⟨M⟩ (CG)	R	H 18-T
PLF1-9	S	⟨R⟩ (CG)	S	H 18-E
	T		T	
TB2a-AH	U	⟨OP⟩ (CG)	U	H 15-P
TB10-BE	V	⟨OP⟩ (CG)	V	A 1-D
TB2a-AK	X	⟨NT⟩ (CG)	X	F 17-J
K-00-Z	Z	S4 (CS)	Z	C 4-R

	M-0-		M-0-	
M-00-A	A	DX*(CS)	A	D 5-R
M-00-B	B	CU(CS)(R)	B	E 11-A
PLF1-20	C	⟨SPARE⟩	C	
PLF1-21	D	⟨C⟩ (M)	D	E 11-P
	E		E	
M-00-F	F	SPARE	F	
M-00-H	H	T29**(CG)	H	F 14-E
M-00-J	J	T29 (CG)	J	H 15-J
M-00-K	K	T13 (CG)	K	J 15-S
M-00-L	L	CN (CG)	L	F 20-F
	M		M	
M-00-N	N	T1·CN(CG)	N	F 19-K
M-00-P	P	READY*(CG)	P	K 7-V
M-00-R	R	T1*(CG)	R	K 18-S
M-00-S	S	EB (IG)	S	E 1-V
M-00-T	T	INTERLOCK	T	H 6-M
M-00-U	U	SPARE	U	
M-00-V	V	SPARE	V	
M-00-X	X	SPARE	X	
M-00-Z	Z	⟨F⟩ ⟨SA⟩	Z	

	N-O-		N-O-		R-O-		R-O-	
N-00-A	A	C9 (CS)	A	F 2-R	A		A	
N-00-B	B	$\overline{CE}$ (CG)	B	F 14-J	B		B	
N-00-C	C	M19* (CG)	C	F 17-K	C		C	
N-00-D	D	$\overline{M19}$* (M)	D	D 20-V	D		D	
N-00-E	E	SPARE	E		E		E	
N-00-F	F	START (CS)	F	B 12-T	F		F	
N-00-H	H	STOP (DA-1)(CS)	H	B 12-L	H		H	
N-00-J	J	T29* (CG)	J	H 17-E	J		J	
N-00-K	K	$\overline{T29}$ (CG)	K	H 14-R	K		K	
N-00-L	L	T2 (CG)	L	H 21-K	L		L	
N-00-M	M	SPARE	M		M		M	
N-00-N	N	TR (CG)	N	K 13-C	N		N	
N-00-P	P	TF*(CG)	P	F 23-C	P		P	
N-00-R	R	M1 (M)	R	F 2-S	R		R	
PLF5-27	S	MAG. TAPE FWD.(MT)	S	F 1-U	S		S	
PLF5-1	T	① (MT)	T	K 5-P	T		T	
PLF5-2	U	② (MT)	U	K 5-U	TS1a-1	U +250V	U	K 1-F
PLF5-4	V	③ (MT)	V	K 5-S	TS1a-6	V Ovc	V	K 1-K
PLF5-5	X	④ (MT)	X	K 5-R	PLF16-8	X INTERLOCK	X	K 22-M
N-00-Z	Z	SPARE	Z			Z	Z	

	P-O-		P-O-		S-O-
	A		A		NOT USED
	B		B		
	C		C		
	D		D		
TS4b-3	E	WPR(-20v)	E	K 22-K(P-O-U)	
	F		F		
TS4b-6	H	CPR(Ova)	H	A 21-J	
	J		J		
TS4b-11	K	RCR(Ajd.Volt.)	K	A 21-U	
TS4b-12	L	RCC(SIGNAL)	L	A 21-T	
	M		M		
	N		N		
	P		P		
	R		R		
	S		S		
	T		T		
TS1a-8	U	-20V	U	H 6-K	
TS2a-12	V	CR•CJ(SIG.) (CS)	V	B 11-D	
	X		X		
TS4b-2	Z	WP (SIGNAL)	Z	K 1-P	

A-00-			A-00-	C-00-			C-00-
A-0-A	A	$\overline{CS}$ (AG)	A A 42-A	C-0-A	A	CS+$\overline{CX}$ (PG)	A D42-E
A-0-B	B	Spare	B	C-0-B	B	$\overline{CW}$ (PG)	B D42-J
A-0-C	C	ACs (AG)	C A-50-B	C-0-C	C	SU ** (AG)	C A46-S
A-0-D	D	C 8 (AG)	D A 46-A	C-0-D	D	SW (MT)	D C41-K
A-0-E	E	$\overline{CI}$ (TG)	E A 35-D	C-0-E	E	PC (PG)	E D42-A
PLF17-16	F	(W)	F		F		F B52-D
PLF17-15	H	(Z)	H		H		H C33-P(P-00-Z)
PLF17-20	J	OB_2	J		J		J C29-U
	K		K	PLF18-18	K	~~DS-S4-SX~~ DS-S5-SW	K C30-P
	L		L	TB1b-DL	L	Photo Tape Rev (8)	L J51-S
	M		M	PLF21-31	M	DS-S9-SX	M F28-R
	N		N	C-0-N	N	$\overline{TS}$ (PG)	N B44-J
	P		P A 51-E	C-0-P	P	PG Clear (PG)	P D42-S
PLF5-24	R	Mag Tape Fast (MT)	R H 50-R	C-0-R	R	$\overline{MJ}$ (1)	R A39-A
PLF5-25	S	Ready ** (3)	S H 34-R	C-0-S	S	Spare	S
PLF5-26	T	Mag Tape Rev (MT)	T E 53-R	C-0-T	T	S2 (2)	T C34-T
	U		U	C-0-U	U	T29*** (11)	U E49-J
PLF21-34	V	T13	V	C-0-V	V	D7 (AG)	V B53-A
PLF5-8	X	Mag 6 in (1)	X F 32-K	PLF21-3	X	TO (TG)	X D29-S
PLF5-15	Z	Mag 6 out (MT)	Z E 52-P	C-0-Z	Z	TS (TG)	Z B30-P

B-00-			B-00-	D-00-			D-00-
TB2a-CX	A	OC_1 Neon (5)	A J31-R	D-0-A	A	S1 (MT)	A D36-N
TB2a-DA	B	OC_2 Neon (5)	B J31-P	D-0-B	B	TS (TG)	B C30-U
TB2a-DH	C	OC_3 Neon (5)	C K31-R	D-0-C	C	S5 (PG)	C C43-C
TB2a-DM	D	OC_4 Neon (5)	D K31-P	D-0-D	D	SV (PG)	D D53-D
TB2a-CS	E	FO Neon (1G)	E A50-P	D-0-E	E	T29-TR-D7C3-IS-$\overline{IC}$(AG)	E D40-N
PLF17-23	F	(3)	F	D-0-F	F	T29-$\overline{CE}$-TR-DW-C6-C5. IS-$\overline{IC}$ (PG)	F D40-D
PLF17-24	H	PUNCHED TAPE 1	H		H		H
PLF17-25	J	PUNCHED TAPE 2	J	PLF1-16	J	Type-4 (3)	J E40-U
PLF17-26	K	PUNCHED TAPE 3	K	PLF1-15	K	Type-3	K E37-R
PLF17-27	L	PUNCHED TAPE 4	L	PLF1-14	L	Type-2 (3)	L E34-N
PLF17-28	M	PUNCHED TAPE 5	M	PLF1-13	M	Type-1 (3)	M E34-S
PLF17-29	N	READY	N	PLF1-12	N	Type-5 (3)	N E41-T
PLF17-30	P	(G)	P	PLF5-3	P	Mag 1 out (8)	P J52-P
PLF17-31	R	(H)	R	PLF5-6	R	Mag 2 out (8)	R J52-R
PLF17-32	S	M23	S	PLF5-9	S	Mag 3 out (8)	S J52-S
PLF17-33	T	PHOTO TAPE FORWARD	T	PLF5-10	T	Mag 4 out (8)	T J52-U
B-0-U	U	$\overline{TS}$ (TG)	U A33-E	PLF5-13	U	Mag 5 out (8)	U F53-R
B-0-V	V	TS (TG)	V A29-P	PLF1-4	V	<Man. Punch> (8)	V H48-M
B-0-X	X	CS (AG)	X A46-F	D-0-X	X	LB***(AG)	X A54-S
B-0-Z	Z	1B (AG)	Z A45-C	D-0-Z	Z	AA (AG)	Z C53-P

E-00-			E-00-	
E-0-A	A	D6 (PG)	A	D46-S
E-0-B	B	$\overline{CB}$ (PG)	B	D43-A
E-0-C	C	$\overline{CE}$ (PG)	C	B46-K
E-0-D	D	$\overline{CF}$ (TG)	D	B35-C
E-0-E	E	$\overline{CN}$ (TG)	E	B35-F
E-0-F	F	PA (PG)	F	C52-K
TB1a-CM	H	Card Punch Pulse (8)	H	H48-B
TB1a-CL	J	Card Punch Sig. (8)	J	H48-P
TB1a-CK	K	Card Read Pulse (8)	K	J48-B
TB1b-DK	L	Photo Tape For. (5)	L	J41-S
TB1a-CJ	M	Card Read Sig. (8)	M	C38-M
	N		N	
TB1a-AR	P	OB_1 (3)	P	E29-S
TB1a-AP	R	OB_2 (3)	R	J53-P
TB1a-AN	S	OB_3 (3)	S	B30-U
TB1a-AM	T	OB_4 (3)	T	J53-R
TB1a-AS	U	OE_5* (3)	U	F44-R
TB1a-AU	V	Type Pulse (8)	V	K38-B
E-0-X	X	$\overline{M23}$ (4)	X	F37-S
E-0-Z	Z	Spare	Z	

H-00-			H-00-	
H-0-A	A	DV (PG)	A	E54-B
H-0-B	B	DW* (PG)	B	E54-C
H-0-C	C	S6 (PG)	C	D54-A
H-0-D	D	SX* (PG)	D	D54-D
H-0-E	E	$\overline{T1}$ (TG)	E	A48-E
PLF1-1	F	<A> (5)	F	J36-J
PLF1-7	H	<P> (5)	H	J37-J
PLF17-5	J	Punch-5 (4)	J	J30-R
PLF1-10	K	<T> (11)	K	E48-D
PLF1-2	L	<S> (5)	L	J34-N
PLF1-11	M	<SA> (5)	M	D36-P
PLF17-6	N	Feed (4)	N	H30-R
PLF1-8	P	<Q> (5)	P	J37-A
	R		R	
	S		S	
	T		T	
TB2a-AM	U	Auto Tape Start (5)	U	J50-U
	V		V	
PLF1-17	X	Space Key (3)	X	E37-U
PLF17-7	Z	H.S. PUNCH GATE	Z	J30-V

F-00-			F-00-	
F-0-A	A	SO* (1)	A	C34-D
F-0-B	B	PJ (PG)	B	D50-S (I-00-R)
F-0-C	C	S7* (AG)	C	A46-T
TB6b-1	D	-13V	D	C33-L
F-0-E	E	CC (1)	E	B39-D
F-0-F	F	D5 (11)	F	J42-D
PLF17-3	H	Punch-3 (4)	H	H30-U
PLF17-2	J	Punch-2 (4)	J	J30-S
TB1a-BT	K	Ready **(5)	K	E28-U(A-00-S)
	L		L	
PLF17-4	M	Punch-4 (4)	M	H30-T
PLF17-1	N	Punch-1 (4)	N	H30-P
F-0-P	P	LB (AG)	P	B54-V
F-0-R	R	LB* (AG)	R	B54-P
F-0-S	S	S3 (8)	S	J48-P
F-0-T	T	LB** (AG)	T	B54-R
F-0-U	U	<Man. Punch> (3)	U	D39-T(D-00-V)
F-0-V	V	MTU-3 (3) (PG)	V	D48-P
F-0-X	X	MTU-4 (4) (PG)	X	B48-P
F-0-Z	Z	$\overline{CV}$ (5)	Z	J34-R

I-00-			I-00-	
I-0-A	A	$\overline{PC}$ (PG)	A	C45-A
I-0-B	B	$\overline{AC}$ (AG)	B	B47-T
I-0-C	C	AC (AG)	C	B48-T
I-0-D	D	FO (IG)	D	A50-U
I-0-E	E	FO_R (IG)	E	A50-C
I-0-F	F	(X) (IG)	F	F54-P
PLF1-22	H	<B> (5)	H	K44-S
I-0-J	J	T28 (TG)	J	E50-P
I-0-K	K	$\overline{D5}$ (11)	K	H46-R
I-0-L	L	$\overline{DX \cdot TR}$* (11)	L	H46-S
TB10-AK	M	AR (AG)	M	E53-P(J-00-B)
TB10-AV	N	PP (PG)	N	C45-B
TB10-AR	P	PR (PG)	P	C39-V
TB10-AL	R	PJ (PG)	R	D41-N
TB10-AX	S	OZ (6)	S	E46-E
TB10-AZ	T	TO (TG)	T	A28-U
TB10-AT	U	TF (TG)	U	A28-P
TB10-AN	V	T29 (TG)	V	B29-P
TB10-AJ	X	OF* (1)	X	D30-S
TB10-AD	Z	HC Input (3)	Z	E37-K

N-00-			N-00-		R-00-			R-00-	
N-0-A	A	C9(5)	A	J38-C		A		A	
N-0-B	B	$\overline{CE}$(TG)	B	B35-A		B		B	
N-0-C	C	M19* (11)	C	K30-P		C		C	
N-0-D	D	$\overline{M19}$* (4)	D	F38-T		D		D	
N-0-E	E	Spare	E			E		E	
N-0-F	F	Start (DA-1) (CS)	F	C30-A		F		F	
N-0-H	H	Stop (DA-1) (CS)	H	F28-B		H		H	
N-0-J	J	T29* (TG)	J	B35-K		J		J	
N-0-K	K	$\overline{T29}$ (11)	K	E48-F		K		K	
N-0-L	L	T2 (PG)	L	B45-F		L		L	
N-0-M	M	Spare	M			M		M	
N-0-N	N	TR (PG)	N	C53-D		N		N	
N-0-P	P	TF*(TG)	P	H43-E		P		P	
N-0-R	R	M1 (AG)	R	A48-N		R		R	
PLF18-28	S	Set Sign FF (3)	S	H35-C		S		S	
PLF18-1	T	Input-1 (3)	T	E34-U		T		T	
PLF18-2	U	Input-2 (3)	U	E37-N	TS1a-1	U	+250V	U	K54-F
PLF18-3	V	Input-3 (3)	V	E37-T	TS1a-6	V	Ovc	V	K54-K
PLF18-4	X	Input-4 (3)	X	E40-R	TB8-AJ	X	Interlock	X	K49-L
N-0-Z	Z	Spare	Z			Z		Z	

P-00-			P-00-		S-00-				S-00-	
TS4-1	A		A		TB10-BA	A	⟨M19Clear⟩	(11)	A	K41-P
	B		B		TB10-BB	B	⟨M23Clear⟩	(11)	B	K34-R
	C		C		TB10-BH	C	⟨M19 Set⟩	(11)	C	K43-K
	D		D			D			D	
TS4-3	E	WPR (-20V)	E	J33-K(P-00-U)						
	F		F				Not			
TS4-4	H	SPR (Ova)	H	C33-J			Used			
	J		J							
TS4-11	K	RCR (Adj.Volt.)	K	C33-U						
TS4-12	L	RCC (Signal)	L	C33-T						
	M		M			Z			Z	
TB10-AP	N	M23* (4) (11)	N	F41-S						
	P		P							
	R		R							
	S		S							
	T		T							
TS1a-8	U	-20V	U	K49-K						
	V		V							
	X		X							
TS4-2	Z	WP (Sig.)	Z	K54-P						

J-00-		J-00-
J-0-A	A DS* (PG)	A D53-A
J-0-B	B $\overline{AR}$ (AG)	B E53-P
J-0-C	C $\overline{AR}$ (AG)	C B53-U
J-0-D	D C7 (5)	D J36-C
J-0-E	E $\overline{C7}$ (PG)	E D48-T
J-0-F	F CE (PG)	F B45-J
J-0-H	H⟨SA⟩(5)	H J34-S(H-00-M)
J-0-J	J Auto Tape Start (5)	J J36-R(H-00-U)
J-0-K	K Spare	K
J-0-L	L Spare	L
J-0-M	M M3 (1)	M A41-A
PLF5-19	N Mag. 1 In (3)	N E34-R
PLF5-20	P Mag. 2 In (3)	P E34-M
PLF5-21	R Mag. 3 In (3)	R E37-P
PLF5-22	S Mag. 4 In (3)	S E40 T
PLF5-7	T Mag. 5 In (3)	T E41-S
	U	U
	V	V
TB1b-DM	X Punch Signal (8)	X F52-S
PLF17-8	Z ⟨Feed Back⟩	Z D39-K

L-00-		L-00-
L-0-A	A D4(11)	A K40-A
PLF17-9	B DS·$\overline{CV}$ (5)	B H29-S
PLF17-12	C TF***(TG)	C J53-S
PLF17-13	D SlowIn·$\overline{OC}_1$(5)	D J53-U
L-0-E	E Spare	E
L-0-F	F Spare	F
L-0-H	H Spare	H
L-0-J	J Spare	J
L-0-K	K T21 (1)	K B39-E
L-0-L	L TR_R(PG)	L C46-S
L-0-M	M Spare	M
L-0-N	N PM (PG)	N D43-E
L-0-P	P Spare	P
L-0-R	R Return (AG)	R A48-S
L-0-S	S TO (TG)	S A28-R
L-0-T	T Spare	T
L-0-U	U $\overline{T13}$·T21(TG)	U C30-R
L-0-V	V $\overline{PP}$ (PG)	V H52-S
TB2a-AN	X ⟨Clear⟩ (5)	X J34-K
	Z	Z

K-00-		K-00-
K-0-A	A $\overline{CS \cdot CE}$ (PG)	A D46-D
K-0-B	B DU (PG)	B E54-A
K-0-C	C Type -1 (3)	C E34-S (D-00-M)
K-0-D	D Type -2 (3)	D E34-N (D-00-L)
K-0-E	E Type -3 (3)	E E37-R (D-00-K)
K-0-F	F LB (AG)	F A54-P
K-0-H	H LB****(AG)	H A54-V
K-0-J	J LB (AG)	J B54-T
K-0-K	K Spare	K
K-0-L	L M2 (1)	L A40-T
K-0-M	M $\overline{M2}$ (1)	M A40-E
TB1b-DA	N Photo-1 (3)	N E34-T
TB1b-DB	P Photo-2 (3)	P E34-P
TB1b-DC	R Photo-3 (3)	R E37-S
TB1b-DD	S Photo-4 (3)	S E40-N
TB1b-DE	T Photo-5 (3)	T E41-U
	U	U
PLF21-33	V T29	V
PLF21-32	X TF	X
K-0-Z	Z S4 (11)	Z K41-A

M-00-		M-00-
M-0-A	A DX* (11)	A K40-D
M-0-B	B CU (5)	B J38-K
TB1a-DH	C	C
TB1a-DF	D	D
	E	E
M-0-F	F Spare	F
M-0-H	H T29**(TG)	H B29-T
M-0-J	J T29 (TG)	J B29-V
M-0-K	K T13 (TG)	K A29-R
M-0-L	L CN (6)	L H46-A
PLF18-5	M Input-5(3)	M E40-M
M-0-N	N T1·CN (6)	N J50-R
M-0-P	P Ready*(5)	P H32-R
M-0-R	R T1*(TG)	R C30-S
M-0-S	S EB (11)	S E50-R
M-0-T	T Interlock	T D49-M
M-0-U	U Spare	U
M-0-V	V Spare	V
M-0-X	X Spare	X
M-0-Z	Z Spare	Z

T B - 1 Relay Chassis (Top Amp Taper Pin Block)

T B 1-A (Nearest Relay Chassis)

	a		b	
PLF-1-23	A	OB_4 Relay Sig	A	28 (V8-1+6)
PLF-1-24	B	OB_3 Relay Sig	B	26 (V7-6)
PLF-1-25	C	OB_2 Relay Sig	C	22 (V6-6)
PLF-1-26	D	OB_1 Relay Sig	D	24 (V7-1)
PLF-1-27	E	OB_5 Relay Sig	E	20 (V6-1)
PLF-1-29	F	Type Relay Pulse	F	30 (V9-6)
I-0-H	H	Ring Bell	H	R 57-2
	J		J	
	K	Spare	K	R 53-2
	L	Spare	L	3 4 (V10-6)
E-00-T	M	OB_4	M	R 37-2
E-00-S	N	OB_3	N	R 36-2
E-00-R	P	OB_2	P	R 32-2
E-00-P	R	OB_1	R	R 33-2
E-00-U	S	OB_5	S	R 31-2
	T	Spare	T	R 52-2
E-00-V	U	Type Pulse	U	R 51-2
	V	Spare	V	32 (V10-1)
PLF-1-34	X	$+160_V$	X	R 60-1
PLF-1-19	Z	OV_b	Z	R 59-1

T B 1- C

	a		b	
PLF 15-16	A	OV_b	A	R 59-1
PLF 6-21	B	OV_b	B	A
PLF 6-20	C	+160	C	R 60-2
PLF 15-14	D	+160	D	R 61-1
	E		E	
PLF 14-32	F		F	
PLF 1-33	H		H	
E-00-M	J	Card Read Sig	J	R 39-2
E-00-K	K	Card Read Pulse	K	R 41-2
E-00-J	L	Card Punch Sig	L	R 38-2
E-00-H	M	Card Punch Pulse	M	R 40-2
PLF-18-6	N	Card Read R. S.	N	14 (V4-6)
PLF 18-7	P	Card Read R. P.	P	18 (V5-6)
PLF 18-8	R	Card Punch R. S.	R	12 (V4-1)
PLF 18-9	S	Card Punch R. P.	S	16 (V5-1)
PLF 18-10	T	OB_1 Relay Sig	T	6 (V2-1+6)
PLF 18-11	U	OB_2 Relay Sig	U	4 (V1-6)
PLF 18-12	V	OB_3 Relay Sig	V	8 (V3-1)
PLF 18-13	X	OB_4 Relay Sig	X	10 (V3-6)
PLF 18-14	Z	OB_5 Relay Sig	Z	2 (V1-1)

T B - 1 - B

	a		b	
PLF 15-4	A	OB_4	A	R 48-2
PLF 15-3	B	OB_3	B	R 45-2
PLF 15-2	C	OB_2	C	R 43-2
PLF 15-1	D	OB_1	D	R 44-2
PLF 15-5	E	OB_5	E	R 42-2
PLF 17-34	F	Wait For Tape Return	F	
PLF 17-35	H	115 VAC	H	
PLF 17-36	J	115 VAC	J	
PLF 17-37	K	+160	K	
	L		L	
	M		M	
	N		N	
	P		P	
	R		R	
	S		S	
F-00-K	T	Ready **	T	R 49-2
	U		U	
A-0-S	V		V	TB 14-AS
	X	Ready Relay	X	R 50-2
PLF 14-21	Z	Signal	Z	TB 14-AN

T B 1- D

	a		b	
PLF 6-1	A	Photo-1	A	K-00-N
PLF 6-2	B	Photo-2	B	K-00-P
PLF 6-4	C	Photo-3	C	K-00-R
PLF 6-5	D	Photo-4	D	K-00-S
PLF 6-7	E	Photo-5	E	K-00-T
M-00-D	F		F	
M-00-C	H		H	
	J		J	
PLF 6-9	K	Photo Tape Forw'd	K	E-00-L
PLF 6-10	L	Photo Tape Reverse	L	C-00-L
PLF 15-6	M	Punch Signal	M	J-00-X
PLF 6-23	N	- 20 V	N	TS1a-9
PLF 6-19	P	-160 V	P	TS1b-12
PLF 6-16	R	+100 V	R	TS1a-3
PLF 6-22	S	0 v a	S	TS1a-4
	T		T	
	U		U	
	V		V	
	X		X	PLF 1-28
	Z		Z	

TB-2 Relay Chassis (Bottom Amp Taper Pin Block)

TB2-A (Nearest Relay Chassis)

a			b
PLF6-14	A	115 VAC	A SW6-Sec 2-1
PLF15-11	B		B
PLF15-12	C	115 VAC	C SW7-Sec 1-5
PLF6-15	D		D K7-3
PLF6-18	E	Wait for Tape Sig.	E K4-4
TB10-BC	F	(OP) R	F SW7-Sec 3-4
K-0-U	H	(OP)	H SW7-Sec 3-5
TB10-BD	J		J
K-0-X	K		K
TB10-BF	L		L SW7-Sec 3-8
H-00-U	M	Auto Tape Start	M SW7-Sec 3-6
L-00-X	N	(Clear)	N SW7-Sec 3-1
TB10-BM	P	Interlock	P C 9-1
TB10-BL	R	Interlock	R K 4-3
TB10-BK	S	-20 V	S C 7-1
L-0-Z	T	(Clear)	T SW7-Sec 3-3
TB8-AT	U	Ready Lamp 6.3 vac	U K 4-8
R7-1	V	OVa	V SW7-Sec 3-10
TB11-11	X	-20V	X K7-1
TB8-AK	Z	D.C. on Lamp 6.3 V	Z K 4-2

TB2-B

a			b
B-0-R	A	C Q Neon	A TB 14-AH
PLF14-1	B		B
B-0-H	C	C 7 Neon	C TB 14-BC
PLF14-2	D		D
TB10-BJ	E	0 V a	E TB 14-AC
PLF14-25	F		F K 8-1
B-0-K	H	C 9 Neon	H TB 14-BE
PLF14-4	J		J
B-0-L	K	C U Neon	K TB 14-BF
PLF14-5	L		L
B-0-M	M	C V Neon	M TB14-BH
PLF 14-6	N		N
TS1b-3	P	+100V	P SW10-1
TB14-AE	R	+100V	R SW10-2
PLF14-26	S	+100V	S SW10-3
TS1b-12	T	-160V	T SW10-4
TB14-AA	U	-160V	U SW10-5
PLF14-27	V	-160V	V SW10-6
B-0-D	X	C 4 Neon	X TB14-BR
PLF14-10	Z		Z

TB2-C

a			b
B-0-E	A	C 5 Neon	A TB14-BS
PLF14-11	B		B
B-0-F	C	C 6 Neon	C TB14-BT
PLF14-12	D		D
B-0-J	E	C 8 Neon	E TB14-BD
PLF14-3	F		F
C-0-X	H	CD_1 Neon	H TB14-BU
PLF14-13	J		J
B-0-N	K	CW Neon	K TB 14-BJ
PLF14-14	L		L
B-0-P	M	CX Neon	M TB14-BK
PLF14-15	N		N
B-0-A	P	C1 Neon	P TB14-BM
PLF14-16	R		R
B-00-E	S	FO Neon	S TB14-BB
PLF14-17	T		T
B-0-S	U	CH Neon	U TB14-BA
PLF14-18	V		V
B-00-A	X	OC_1 Neon	X TB14-AJ
PLF14-19	Z		Z

TB2-D (Farthest From Relay Chassis)

a			b
B-00-B	A	OC_2 Neon	A TB14-AK
PLF14-20	B		B
PLF14-28	C	CD_2 Neon	C TB14-BV
A-0-X	D		D
PLF 21-29	E	GO Neon	E TB14-AR
PLF 14-30	F		F
B-00-C	H	OC_3 Neon	H TB14-AL
PLF14-22	J		J
A-0-U	K	IP Neon	K TB14-BL
PLF14-23	L		L
B-00-D	M	OC_4 Neon	M TB14-AM
PLF14-24	N		N
B-0-T	P	CG Neon	P TB14-AP
PLF14-7	R		R
B-0-B	S	C2 Neon	S TB14-BN
PLF14-8	T		T
B-0-C	U	C3 Neon	U TB14-BP
PLF14-9	V		V
A-0-Z	X	CD_3 Neon	X TB14-BX
PLF14-29	Z		Z

TB-3 Relay Chassis (Barrier Strip)

	a		b	
SW7 Sec 2-1	A	Reset	A	TB8-BR
C8-1	B	115 Vac B	B	TB8-BZ
H	C	OV_b	C	TB5b-9
R60-2	D	+160V	D	TB6a-3, TS1b-2
V6-4	E	6.3 AC	E	TB9b-6
K3-1, V6-9	F	6.3 AC	F	TB9b-3
Fil. Prim K2-9	H	115 Vac	H	T1-1, R15b-2
D.C. Prim K3-6	J	115 Vac	J	T3-2
SW7-Sec 2-11	K	Interlock	K	TB8-AR
K1-3	L	A.C. Pwr	L	R14a-2
K3-2	M	A.C. Pwr	M	T4-4
Fil. Drop K1-9	N	115 Vac	N	R15a-2
K1-10	P	115 Vac	P	PLF16-4
K2 K1-1	R	115 Vac	R	PLF16-9
K6-2	S	Interlock	S	PLF16-7
K1-11	T	115 Vac	T	TB7a-1, PLF16-2
K2-1	U	115 Vac	U	FB1-F15-Load, PLF16-1
K5-1	V	+100 Int'lock	V	R107-1
K6-1	X	-160 Int'lock	X	R105-1
K3-7	Z	Interlock	Z	PLF16-3

TB-6 Capacitor Box

	a		b	
PLF8-16, TB8-AS	1	-13V.	1	F-O-D, F-OO-D, PLF16-10
TB5a-9, TB11-7	2	Ov_b	2	
TB3b-D, R28-1	3	+160V	3	
TB5a-6, TB11-2	4	OVC	4	
TS1b-1, L4-2	5	+250V	5	
TB4a-2, R2-2	6	+100V	6	
TS2a-11, TS1b-9	7	-20V	7	
L1-2, R7-1	8	OVa	8	
TB9-a-1	9	-55 V	9	
TS2a-8, TS1b-11	10	-160V	10	

TB-4 Pre-Amp Chassis

	a		b	
	1		1	
TS2a-2, TB6a-6	2	+100	2	L3
T1-6	3	6.3 Vac	3	1-9-I
T1-5	4	6.3 Vac	4	1-9-L
TB5a-1	5	OV_a	5	C2 (Minus)

TB-7 Frame-Lower Right Front

	a		b	
TB3b-T	1		1	T4-3
TS3b-3	2	115 Vac	2	TS1b-13
Drm Mtr 1	3		3	PLF9-2
Drm Mtr 4	4		4	T2-1, T3-1
FB1-F18-Line	5	115 Vac	5	FB1-F18-Line
FB1-F16-Load	6		6	TS3b-2

TB-5 Frame-Lower Left Front (Above L-1)

	a		b	
TB4a-5	1		1	PLM7-1
L1-2	2		2	Frame (T4 Mounting)
TS2a-3	3		3	
TS1b-5	4		4	
TS2a-14	5	GND	5	TS2a-3
TB6a-4	6		6	
TS2a-10	7		7	
TS1b-6	8		8	
TB6a-2	9		9	TB3b-C

TB-8 Control Panel (Lower Flange)

TB8-A

	a		b	
M1-2	A	6.3 V A.C.	A	TB9b-2
M1-1	B	6.3 V A.C.	B	TB9b-5
Var 2-1	C	A.C. (+250V)	C	T5-4
Var 2-3	D	A.C. (+250V)	D	TB11-3
Var 2-4	E	A.C. (+250V)	E	T5-3
SW 2-3	F	+100V	F	R2-1
SW 2-2	H	+100V	H	TS2a-2
SW 4-2	J	Interlock	J	R-00-X
LT 3-1	K	D.C. on Lamp	K	TB2a-AZ
SW 2-1	L	+100V	L	R7-2
R18-1	M	+250V	M	TS1b-1
SW8-Sec2-R6	N	OV_c	N	TB11-2
SW3-1	P	+160V	P	R3-2
SW4-1	R	Interlock	R	TB3b-K
R12-2	S	-13V	S	TB6a-1
LT2-1	T	Ready Lamp	T	TB2a-AU
SW8-Sec1-R8	U	OV_a	U	R29-1
SW1-3	V	-160V	V	R1a-2
SW1-2	X	-160V	X	R1b-2
SW1-1	Z	-160V	Z	R5-2

TB8-B

	a		b	
	A		A	
	B		B	
	C		C	
	D		D	
	E		E	
	F		F	
	H		H	
	J		J	
	K		K	
	L		L	
	M		M	
SW8-Sec2-R4	N	OVb	N	R28-2
SW3-2	P	+160V	P	R3-1
SW5-1	R	Reset	R	TB3b-A
R12-1	S	-20V	S	R5-1
R12-3	T	See P.S.	T	R30-2
R13-2	U	See P.S.	U	R29-2
	V		V	
	X		X	
SW5-3	Z	115 VAC	Z	TB3b-B

TB-9 Lower Rear Panel

	a		b	
TB6a-9,	1		1	T1-6
TS2a-5	2	6.3 VAC	2	TB8-AA
	3		3	TB3b-F
PLF6-3, PLF15-13	4		4	
TS2a-4	5		5	TB8-AB
	6	6.3VAC	6	TB3b-E
	7		7	T1-5
PLF 6-6, PIF 15-15	8		8	

TB-10 Test Panel

TB10-A

	a		b	
NT (Jack)	A	CN	A	I-O-R
L1 (Jack)	B	MI	B	I-O-T
Spare (Jack)	C	MC	C	I-O-Z
HC (Jack)	D	HC	D	I-OO-Z
CM (Jack)	E	CM	E	I-O-P
LO (Jack)	F	MO	F	I-O-S
T1-CN (Jack)	H	T1 CN	H	I-O-X
OE (Jack)	J	OE*	J	I-OO-X
AR (Jack)	K	AR	K	I-OO-M
ID (Jack)	L	PJ	L	I-OO-R
TR (Jack)	M	TR	M	I-O-V
T29 (Jack)	N	T29	N	I-OO-V
M23 (Jack)	P	M23	P	P-OO-N
MQ (Jack)	R	PR	R	I-OO-P
RC (Jack)	S	RC	S	I-O-U
TF (Jack)	T	TF	T	I-OO-U
M19 (Jack)	U	M19*	U	I-O-M
PN (Jack)	V	PP	V	I-OO-N
OZ (Jack)	X	OZ	X	I-OO-S
TO (Jack)	Z	TO	Z	I-OO-T

TB10-B

	a		b	
M19-C	A	M19 Clear	A	S-OO-A
M23-C	B	M23 Clear	B	S-OO-B
OP-S	C	⟨OP⟩R	C	TB2a-AF
OP-S	D	⟨OP⟩	D	TB2a-AJ
OP-S	E	⟨OP⟩	E	K-O-V
NT-C	F	⟨NT⟩	F	TB2a-AL
M19-S	H	M19 Set	H	S-OO-C
M19-C	J	OVa	J	TB2a-BE
F1	K	-20V	K	TB2a-AS
D.C Lockout Sw	L	Interlock	L	TB2a-AR
D.C Lockout Sw	M	Interlock	M	TB2a-AP
	N		N	
	P		P	
	R		R	
	S		S	
	T		T	
	U		U	
	V		V	
	X		X	
	Z		Z	

TB-11 Rectifier Bracket

TB 11

	a		b	
4-Y2	1	A. C.	1	FB1-F4-Load
4-B1	2	OVC	2	TB8-AN, TB6a-4
4-Y1	3	A.C.	3	TB8-AD
4-R1	4	+250V	4	L4-1
3-Y1	5	A.C.	5	T3-3
3-Y3	6	A.C.	6	FB1-F3-Load
3-B1	7	OVb	7	R28-2, TB6a-2
3-R1	8	+160V	8	L3-1
2-Y1	9	A.C.	9	FB1-F2-Load
2-Y6	10	A.C.	10	T2-6
2-B1	11	-20V	11	TB2a-AX, R5-1
2-B2	12	-20V	12	TS1b-9
2-R1	13	+100V	13	L2-1
1A-Y1	14	A.C.	14	T2-7
1B-Y1	15	A.C.	15	FB1-F1-Load
1A-B1	16	-160V	16	R1a-2
1A-R1	17	Ova	17	L1-1
	18		18	
	19		19	
	20		20	

TB-14 Control Panel (Upper Flange)

TB 14A

	a		b	
POT 1-3	A	-160V	A	TB2a-BU
	B		B	
R23-2	C	OVa	C	TB2b-BE
	D		D	
(I-OR)LT28-1	E	+100V	E	TB2a-BR
	F		F	
(Test) LT 23-2	H	CQ Neon	H	TB2b-BA
(I-O1) LT24-2	J	OC_1 Neon	J	TB2b-CX
(I-O2) LT25-2	K	OC_2 Neon	K	TB2b-DA
(I-O4) LT26-2	L	OC_3 Neon	L	TB2b-DH
(I-O8) LT27-2	M	OC_4 Neon	M	TB2b-DM
(I-OR) LT28-2	N	Ready	N	TB1b-BZ
(NC-AR) LT29-2	P	CG Neon	P	TB2b-DP
	R		R	TB2b-DE
			S	TB1b-BV

TB-14 Control Panel (Upper Flange)

TB 14B

	a		b	
(Halt) LT4-2	A	CH Neon	A	TB2b-CU
(O'flo) LT5-2	B	FO Neon	B	TB2b-CS
(S1) LT6-2	C	C7 Neon	C	TB2b-BC
(S2) LT7-2	D	C8 Neon	D	TB2b-CE
(S4) LT8-2	E	C9 Neon	E	TB2b-BH
(S8) LT9-2	F	CU Neon	F	TB2b-BK
(S16) LT10-2	H	CV Neon	H	TB2b-BM
(CH1) LT11-2	J	CW Neon	J	TB2b-CK
(CH2) LT12-2	K	CX Neon	K	TB2b-CM
(P-Sign) LT13-2	L	IP Neon	L	TB2b-DK
(DB-PR) LT14-2	M	C1 Neon	M	TB2b-CP
(D1) LT15-2	N	C2 Neon	N	TB2b-DS
(D2) LT16-2	P	C3 Neon	P	TB2b-DU
(D4) LT17-2	R	C4 Neon	R	TB2b-BX
(D8) LT18-2	S	C5 Neon	S	TB2b-CA
(D16) LT19-2	T	C6 Neon	T	TB2b-CC
(C1) LT20-2	U	CD_1 Neon	U	TB2b-CH
(C2) LT21-2	V	CD_2 Neon	V	TB2b-DC
(C4) LT22-2	X	CD_3 Neon	X	TB2b-DX
	Z		Z	

G-15D TERMINAL STRIP CONNECTIONS

TS-1 Upper Back Panel

	a		b	
PLF19-12, PLF20-10) R-0-U, R-00-U)	1	+250V	1	TB6a-5, TB8-AM, PLF8-8, PLF16-14, PLF17-18
PLF5-23	2	+160V	2	TB3b-D, PLF16-13, PLF18-26, PLF8-11
F7, TB1b-DR	3	+100V	3	R2-2, PLF17-17, TB2a-BP, PLF8-18
PLF-1-37, TB1b-DS	4	OVa	4	PLF5-18, PLF16-6, PLF8-10
	5	OVb	5	TB5a-4, PLF5-16, PLF16-12, PLF20-6
R-0-V, R-00-V	6	OVc	6	TB5a-8,
	7	OV	7	PLF17-10, PLF18-24, PLF18-25, PLF19-6
P-0-U, P-00-U	8	-20V	8	PLF8-5, PLF5-17, PLF16-5
PLF1-18, TB1b-DN	9	-20V	9	TB11-12, TB6a-7
	10	-20V	10	PLF17-11, PLF18-27, PLF19-11, PLF20-11,
PLF8-7	11	-160V	11	R1b-2, TB6a-10
F14	12	-160V	12	TB1b-DP, TB2a-BT, PLF17-19
PLF8-12	13	115 V AC	13	TB7b-2
PLF1-36	14	115 V AC	14	FB1-F17-Load , PLF8-13

TS-2 Clock Chassis (Right Side-Vertical)

	a		b	
PLF3-72	1	IN (Signal)	1	63
TB8-AH, TB4a-2	2	+100	2	64
Shield PLF3-73, TB5a-3	3	OVa	3	
TB9a-5	4	Fil.	4	V1-4, V2-4
T[illegible]-2	5	Fil.	5	V1-9, V2-9
	6		6	
	7		7	
TB6a-10	8	-160V	8	65
	9		9	
TB5a-7	10	AVC	10	66
TB6a-7	11	-20	11	67
P-0-V	12	CR (Signal)	12	68
L4-2	13	+250	13	69
TB5a-5	14	OVa	14	70

TS-3 Blower

a		b	
1	———	1	
2	115 VAC	2	TB7b-6
3	115 VAC	3	TB7a-2

TS-4 Clock Chassis (Center-Top)

	a		b	
	1		1	P-00-A
WP	2	WP (Sig.)	2	P-00-Z, P-0-Z, PLF17-14, PLF21-30
WPR	3	WPR (-20)	3	P-0-E, P-00-E
SPR	4	SPR (OVa)	4	P-00-H
SP	5	SP (Sig.)	5	Buss #81 Logic Pan-Left
CPR	6	CPR (OVa)	6	P-0-H
CP	7	CP (Sig.)	7	Master Clock (Buss Log. Pan. Rt.)
CP	8	CP (Sig.)	8	Master Clock (Buss Log. Pan. Left)
RC	9	RC (Sig.)	9	Read Clock (Buss Log. Pan. Rt.)
RC	10	RC (Sig.)	10	Read Clock (Buss Log. Pan. Left)
RCR	11	RCR (Adj Volt)	11	P-0-K, P-00-K
RCC	12	RCC (Sig.)	12	P-0-L, P-00-L

TS-13 Punch Motor

	a		b	
PLM15-1	1	115 Vac	1	Yellow (Punch Motor
PLF16-U	2	115 Vac	2	M.S. Relay-4

3/30/59

HEXADECIMAL ADDITION TABLE

+	0	1	2	3	4	5	6	7	8	9	u	v	w	x	y	z
0	0	1	2	3	4	5	6	7	8	9	u	v	w	x	y	z
1	1	2	3	4	5	6	7	8	9	u	v	w	x	y	z	10
2	2	3	4	5	6	7	8	9	u	v	w	x	y	z	10	11
3	3	4	5	6	7	8	9	u	v	w	x	y	z	10	11	12
4	4	5	6	7	8	9	u	v	w	x	y	z	10	11	12	13
5	5	6	7	8	9	u	v	w	x	y	z	10	11	12	13	14
6	6	7	8	9	u	v	w	x	y	z	10	11	12	13	14	15
7	7	8	9	u	v	w	x	y	z	10	11	12	13	14	15	16
8	8	9	u	v	w	x	y	z	10	11	12	13	14	15	16	17
9	9	u	v	w	x	y	z	10	11	12	13	14	15	16	17	18
u	u	v	w	x	y	z	10	11	12	13	14	15	16	17	18	19
v	v	w	x	y	z	10	11	12	13	14	15	16	17	18	19	1u
w	w	x	y	z	10	11	12	13	14	15	16	17	18	19	1u	1v
x	x	y	z	10	11	12	13	14	15	16	17	18	19	1u	1v	1w
y	y	z	10	11	12	13	14	15	16	17	18	19	1u	1v	1w	1x
z	z	10	11	12	13	14	15	16	17	18	19	1u	1v	1w	1x	1y

HEXADECIMAL MULTIPLICATION TABLE

X	1	2	3	4	5	6	7	8	9	u	v	w	x	y	z
1	1	2	3	4	5	6	7	8	9	u	v	w	x	y	z
2	2	4	6	8	u	w	y	10	12	14	16	18	1u	1w	1y
3	3	6	9	w	z	12	15	18	1v	1y	21	24	27	2u	2x
4	4	8	w	10	14	18	1w	20	24	28	2w	30	34	38	3w
5	5	u	z	14	19	1y	23	28	2x	32	37	3w	41	46	4v
6	6	w	12	18	1y	24	2u	30	36	3w	42	48	4y	54	5u
7	7	y	15	1w	23	2u	31	38	3z	46	4x	54	5v	62	69
8	8	10	18	20	28	30	38	40	48	50	58	60	68	70	78
9	9	12	1v	24	2x	36	3z	48	51	5u	63	6w	75	7y	87
u	u	14	1y	28	32	3w	46	50	5u	64	6y	78	82	8w	96
v	v	16	21	2w	37	42	4x	58	63	6y	79	84	8z	9u	u5
w	w	18	24	30	3w	48	54	60	6w	78	84	90	9w	u8	v4
x	x	1u	27	34	41	4y	5v	68	75	82	8z	9w	u9	v6	w3
y	y	1w	2u	38	46	54	62	70	7y	8w	9u	u8	v6	w4	x2
z	z	1y	2x	3w	4v	5u	69	78	87	96	u5	v4	w3	x2	y1