CUSTOMER ENGINEERING

G-15 CABLE AND HARNESS CONNECTIONS

Effective ECO 1119

May 16, 1961

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IMPORTANT - All discrepancies between this list and the applicable schematic prints should be resolved by checking the computer circuitry.

Any additions, deletions, etc., should be referred to Customer Engineering (Training).

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PLF 1 (G15 ALPHA)		SIGNAL	PLM 1 (ANC-1)		
HOOF	1	⟨A⟩	1	TB7S	A2P
HOOL	2	⟨S⟩	2	TB7K	D10V=⟨S⟩
KON	3	⟨F⟩	3	TB7R	C4N
DOOV	4	⟨MANUAL PUNCH⟩	4	TB6J	E37 SW2-1
KOP	5	⟨I⟩	5	TB7T	A3P
KOR	6	⟨M⟩	6	TB7P	C1U
KOOH	7	⟨P⟩	7	TB6A	C1P
HOOP	8	⟨Q⟩	8	TB6B	A1P
KOS	9	⟨R⟩	9	TB6C	A3S
HOOK	10	⟨T⟩	10	TB6D	B3N
HOOM	11	⟨SA⟩	11	TB6K	E33
DOON	12	TYPE 5	12	TB6M	E42
DOOM	13	TYPE 1	13	TB6S	E50
DOOL	14	TYPE 2	14	TB6R	E48
DOOK	15	TYPE 3	15	TB6P	E46
DOOJ	16	TYPE 4	16	TB6N	E44
HOOX	17	⟨F=B⟩	17	TB6L	E52=K11B+SPACE+HEX
TS1a-9	18	-20V	18	TB5S	(-20V)
TB1a-AZ	19	OVb	19	TB5J	(OVb)
MOC	20	⟨E⟩	20	TB7N	C4M=⟨E⟩
MOD	21	⟨C⟩	21	TB7L	C4T
IOOH	22	⟨B⟩	22	TB7M	A4M
TB1a-AA	23	OB4 DRIVERS	23	TB6V	K4ABC-14
TB1a-AB	24	OB3 DRIVERS	24	TB6X	K3ABCD-14
TB1a-AC	25	OB2 DRIVERS	25	TB8X	K2ABCD-14
TB1a-AD	26	OB1 DRIVERS	26	TB8Z	K1ABCD-14
TB1a-AE	27	OB5·(ĀS+ŌY·OH)DRIVER	27	TB7X	K5-14
TB1b-DX	28	⟨REWIND⟩	28	TB6T	SW2-4 ⟨REWIND⟩
TB1a-AF	29	TYPE PULSE DRIVER	29	TB6Z	K9-14 (EXECUTE)
IOB	30	⟨GO⟩	30	TB6E	E31
IOC	31	⟨GO⟩	31	TB6H	E32
IOD	32	⟨BP⟩	32	TB6F	E35
TB1a-CH	33	TYPE SIGNAL DRIVER	33	TB6U	K10-13 (TYPE)
TB1a-AX	34	+160V	34	TB5H	(+160V)
TS1a-13	35	115VAC	35	TB5F	PL-2A,66
TS1a-14	36	115VAC	36	TB5E	PL-2A,64
TS1a-4	37	OVa	37	TB5N	(OVa)

PLF 14			PLM 14		
TB2a-BS	26	+100V	26	TB5U	(+100V)
TB2a-BV	27	-160V	27	TB5P	(-160V)
TB1a-CF	32	AS DRIVER	32	TB7Z	K8,13-13 (AN)

PL-2 WRITE CONNECTOR

LOGIC	PLF 2	SIGNAL	PLM 2	DRUM
K52A	1	AR_w (AG)	1	WHITE
K52B	2	AR_r	2	YELLOW
F4V	3	CM_w (CG)	3	WHITE
F4U	4	CM_r	4	YELLOW
K53V	5	ID_w (PG)	5	YELLOW
K53U	6	ID_r	6	WHITE
K53A	7	PN_w (PG)	7	YELLOW

PL-2 WRITE CONNECTOR (CON'T)

LOGIC	PLF 2	SIGNAL	PLM 2	DRUM
K53B	8	PN_r	8	WHITE
K52V	9	MQ_w (PG)	9	YELLOW
K52U	10	MQ_r	10	WHITE
H3A	11	$M20_w$ (R)	11	YELLOW
H3B	12	$M20_r$	12	WHITE
H3V	13	$M21_w$ (R)	13	YELLOW
H3U	14	$M21_r$	14	WHITE
H2A	15	$M22_w$ (R)	15	YELLOW
H2B	16	$M22_r$	16	WHITE
SHIELD	17	SHIELD	17	SHIELD
K51V	18	MZ_w (11)	18	YELLOW
K51U	19	MZ_r	19	WHITE
K54V	20	$M23_w$ (11)	20	YELLOW
K54U	21	$M23_r$	21	WHITE
H2V	22	MO_w (M)	22	YELLOW
H2U	23	MO_r	23	WHITE
K1A	24	$M1_w$ (M)	24	YELLOW
K1B	25	$M1_r$	25	WHITE
K1V	26	$M2_w$ (M)	26	YELLOW
K1U	27	$M2_r$	27	WHITE
K2A	28	$M3_w$ (M)	28	YELLOW
K2B	29	$M3_r$	29	WHITE
K2V	30	$M4_w$ (M)	30	YELLOW
K2U	31	$M4_r$	31	WHITE
K3A	32	$M5_w$ (M)	32	YELLOW
K3B	33	$M5_r$	33	WHITE
K3V	34	$M6_w$ (M)	34	YELLOW
K3U	35	$M6_r$	35	WHITE
K4A	36	$M7_w$ (M)	36	YELLOW
K4B	37	$M7_r$	37	WHITE
SHIELD	38	SHIELD	38	SHIELD
K4V	39	$M8_w$ (M)	39	YELLOW
K4U	40	$M8_r$	40	WHITE
J1A	41	$M9_w$ (M)	41	YELLOW
J1B	42	$M9_r$	42	WHITE
J1V	43	$M10_w$ (M)	43	YELLOW
J1U	44	$M10_r$	44	WHITE
J2A	45	$M11_w$ (M)	45	YELLOW
J2B	46	$M11_r$	46	WHITE
J2V	47	$M12_w$ (M)	47	YELLOW
J2U	48	$M12_r$	48	WHITE
J3A	49	$M13_w$ (M)	49	YELLOW
J3B	50	$M13_r$	50	WHITE
J3V	51	$M14_w$ (M)	51	YELLOW
J3U	52	$M14_r$	52	WHITE
J4V	53	$M15_w$ (M)	53	YELLOW
J4U	54	$M15_r$	54	WHITE
J4A	55	$M16_w$ (M)	55	YELLOW
J4B	56	$M16_r$	56	WHITE
H1V	57	$M17_w$ (M)	57	YELLOW
H1U	58	$M17_r$	58	WHITE
H1A	59	$M18_w$ (M)	59	YELLOW

PL-2 WRITE CONNECTOR

LOGIC	PLF2	SIGNAL	PLM2	DRUM
HIB	60	$L18_r$	60	WHITE
SHIELD	61	SHIELD	61	SHIELD
K54A	62	$L19_w$ (11)	62	YELLOW
K54B	63	$L19_r$	63	WHITE
F4A	64	NT_w (CG)	64	YELLOW
F4B	65	NT_r	65	WHITE
K51A	66	SPARE	66	YELLOW
K51B	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	SHIELD	78	SHIELD

PL-3 PRE-AMP OUTPUT

LOGIC	PLM3	SIGNAL	PLF3	PRE-AMP
A53A	1	AR (AG)	1	1-1-8
A53C	2	AR_r	2	1-1-D
F26A	3	CM (CG)	3	1-2-8
F26C	4	CM_r	4	1-2-D
H53A	5	ID (CG)	5	1-3-8
H53C	6	ID_r	6	1-3-D
H52A	7	PN (PG)	7	1-4-8
H52C	8	PN_r	8	1-4-D
B52A	9	MQ (RG)	9	1-5-8
B52C	10	MQ_r	10	1-5-D
B26A	11	M20 (R)	11	1-6-8
B26C	12	$M20_r$	12	1-6-D
B27A	13	M21 (R)	13	1-7-8
B27C	14	$M21_r$	14	1-7-D
A26A	15	M22 (R)	15	1-8-8
A26C	16	$M22_r$	16	1-8-D
SHIELD	17	SHIELD	17	C1 (MINUS)
H54A	18	MZ (11)	18	1-9-8
H54C	19	MZ_r	19	1-9-D
J32A	20	M23 (11)	20	2-1-8
J32C	21	$M23_r$	21	2-1-D
B23A	22	MO (M)	22	2-2-8
B23C	23	MO_r	23	2-2-D
F27A	24	M1 (M)	24	2-3-8
F27C	25	$M1_r$	25	2-3-D
E23A	26	M2 (M)	26	2-4-8
E23C	27	$M2_r$	27	2-4-D

PL-3 PRE-AMP OUTPUT (Cont'd)

LOGIC	PLM3	SIGNAL	PLF3	PRE-AMP
E24A	28	M3 (M)	28	2-5-8
E24C	29	$M3_r$	29	2-5-D
E25A	30	M4 (M)	30	2-6-8
E25C	31	$M4_r$	31	2-6-D
E26A	32	M5 (M)	32	2-7-8
E26C	33	$M5_r$	33	2-7-D
E27A	34	M6 (M)	34	2-8-8
E27C	35	$M6_r$	35	2-8-D
D23A	36	M7 (M)	36	2-9-8
D23C	37	$M7_r$	37	2-9-D
SHIELD	38	SHIELD	38	C1 (MINUS)
D24A	39	M8 (M)	39	3-1-8
D24C	40	$M8_r$	40	3-1-D
D25A	41	M9 (M)	41	3-2-8
D25C	42	$M9_r$	42	3-2-D
D26A	43	M10 (M)	43	3-3-8
D26C	44	$M10_r$	44	3-3-D
D27A	45	M11 (M)	45	3-4-8
D27C	46	$M11_r$	46	3-4-D
C23A	47	M12 (M)	47	3-5-8
C23C	48	$M12_r$	48	3-5-D
C24A	49	M13 (M)	49	3-6-8
C24C	50	$M13_r$	50	3-6-D
C25A	51	M14 (M)	51	3-7-8
C25C	52	$M14_r$	52	3-7-D
C26A	53	M15 (M)	53	3-8-8
C26C	54	$M15_r$	54	3-8-D
C27A	55	M16 (M)	55	3-9-8
C27C	56	M16R	56	3-9-D
B24A	57	M17 (M)	57	4-1-8
B24C	58	$M17_r$	58	4-1-D
B25A	59	M18 (M)	59	4-2-8
B25C	60	$M18_r$	60	4-2-D
SHIELD	61	SHIELD	61	SHIELD
K32A	62	M19 (11)	62	4-3-8
K32C	63	$M19_r$	63	4-3-D
F25A	64	CN (CG)	64	4-4-8
F25C	65	CN_r	65	4-4-D
	66		66	4-5-8
	67		67	4-5-D
B31A	68	TM (TG)	68	4-6-8
B31C	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	
SHIELD	78	SHIELD	78	C1 (MINUS)

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PL-4 PRE-AMP INPUT

DRUM		PLF4	PLM4	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	M20	11	1-6-E
RED	12		12	1-6-H
BLACK	13	M21	13	1-7-E
RED	14		14	1-7-H
BLACK	15	M22	15	1-8-E
RED	16		16	1-8-H
SHIELD	17	SHIELD	17	C4(MINUS)
BLACK	18	MZ	18	1-9-E
RED	19		19	1-9-H
BLACK	20	M23	20	2-1-E
RED	21		21	2-1-H
RED	22	MO	22	2-2-E
BLACK	23		23	2-2-H
RED	24	M1	24	2-3-E
BLACK	25		25	2-3-H
RED	26	M2	26	2-4-E
BLACK	27		27	2-4-H
RED	28	M3	28	2-5-E
BLACK	29		29	2-5-H
RED	30	M4	30	2-6-E
BLACK	31		31	2-6-H
RED	32	M5	32	2-7-E
BLACK	33		33	2-7-H
RED	34	M6	34	2-8-E
BLACK	35		35	2-8-H
RED	36	M7	36	2-9-E
BLACK	37		37	2-9-H
SHIELD	38	SHIELD	38	C4(MINUS)
RED	39	M8	39	3-1-E
BLACK	40		40	3-1-H
RED	41	M9	41	3-2-E
BLACK	42		42	3-2-H
RED	43	M10	43	3-3-E
BLACK	44		44	3-3-H
RED	45	M11	45	3-4-E
BLACK	46		46	3-4-H
RED	47	M12	47	3-5-E
BLACK	48		48	3-5-H
RED	[illegible]	[illegible]3	49	3-6-E
BLACK	50		50	3-6-H
RED	[illegible]	[illegible]14	51	3-7-E
BLACK	[illegible]		52	3-7-H
RED	53	M15	53	3-8-E
BLACK	54		54	3-8-H
RED	55	M16	55	3-9-E
BLACK	56		56	3-9-H

PL-4 PRE-AMP INPUT

DRUM		PLF4	PLM4	PRE-AMP
RED	57	M17	57	4-1-E
BLACK	58		58	4-1-H
RED	59	M18	59	4-2-E
BLACK	60		60	4-2-H
SHIELD	61	SHIELD	61	C4(MINUS)
RED	62	M19	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		PLF5	MTA-2
PLF21-2,	NOT	1	①	1	M.T.U.1
PLF18-20,	NOU	2	②	2	M.T.U.2
	DOOP	3	MAG.1 OUT	3	WRITE 1
PLF18-21,	NOV	4	③	4	M.T.U.3
PLF21-1,	NOX	5	④	5	M.T.U.4
	DOOR	6	MAG.2 OUT	6	WRITE 2
	JOOT	7	MAG.5 IN	7	READ 5
	AOOX	8	MAG.6 IN	8	READ 6
	DOOS	9	MAG.3 OUT	9	WRITE 3
	DOOT	10	MAG.4 OUT	10	WRITE 4
		11		11	0_a
		12		12	0_a
	DOOU	13	MAG.5 OUT	13	WRITE 5
		14		14	0_a
	AOOZ	15	MAG.6 OUT	15	WRITE 6
	TS1a-5	16	OVC	16	0_b
	TS1a-8	17	-20V	17	-20V
	TS1b-4	18	OVC	18	0_a
	JOON	19	MAG.1 IN	19	READ 1
	JOOP	20	MAG.2 IN	20	READ 2
	JOOR	21	MAG.3 IN	21	READ 3
	JOOS	22	MAG.4 IN	22	READ 4
	TS1a-2	23	+160	23	+160
	AOOR	24	MAG. TAPE FAST	24	FAST
	AOOS	25	READY **	25	STOP
	AOOT	26	MAG. TAPE REV.	26	REVERSE
	NOS	27	MAG. FWD.	27	FORWARD

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PL-6 PHOTO READER

	PLF6		PLM6	PHOTO READER
TB1a-DA	1	PHOTO 1	1	TP-7
TB1a-DB	2	PHOTO 2	2	TP-6
TB9a-4	3	6.3VAC	3	V1-4
TB1a-DC	4	PHOTO 3	4	TP-1
TB1a-DD	5	PHOTO 4	5	TP-2
TB9a-8	6	6.3VAC	6	V1-9
TB1a-DE	7	PHOTO 5	7	TP-3
	8		8	
TB1a-DK	9	PHOTO RDR FORWARD	9	R5
TB1a-DL	10	PHOTO RDR REVERSE	10	R6
TB1a-DX	11	REMOTE REWIND	11	C21
TB1a-DZ	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	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	GROUND (CHASSIS)	1	GREEN
CB1-1	2	115VAC	2	WHITE
CB1-2	3	115VAC	3	BLACK

PL-8 (PA-2) (PA-3)

	PLF8		PLM8
AON	1	(START INPUT) -dx	1
AOM	2	(STOP INPUT) +dx	2
AOP	3	+dy	3
AOR	4	-dy	4
TS1b-8	5	-20V	5
	6		6
TS1a-11	7	-160V	7
TS1b-1	8	+250V	8
	9		9
TS1b-4	10	OV	10
TS1b-2	11	+160V	11
TS1a-13	12	115VAC	12
TS1b-14	13	115VAC	13
	14		14
	15		15
TB6-1	16	-13V	16
	17		17
TS1b-3	18	+100V	18

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** NEON SIGNAL
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 NEON
	31	
TB1a-CF,V16-6	32	AS*(AN) - K8, K13

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PL-16 POWER -(DA-1) (MTA-3) (CA-2)

	PLF16		PLM16
TB3b-U	1	115 VAC	1
TB3b-T	2	115 VAC	2
TB3b-Z	3	K3 (D.C. ON RELAY) (115V)	3
TB3b-P	4	K1 (IST FIL. RELAY)(115V)	4
TS1b-8	5	-20V	5
TS1b-4	6	OV_c FOR +100 & -20 & -160	6
TB3b-S	7	INTERLOCK 115 VAC	7
ROX	8	INTERLOCK	8
TB3b-R	9	K2 (2ND FILAMENT RELAY)	9
TB6-1	10	-13V	10
LOX	11	⟨CLEAR⟩	11
TS1b-5	12	OV_c (FOR + 160V)	12
TS1b-2	13	+160V	13
TS1b-1	14	+250V	14
	15		15
	16		16

PL-17 (AN-1 & 2) (PTP-1) (PR-1) (PR-2)

FOON	1	PUNCH-1	PUNCH OUTPUT
FOOJ	2	PUNCH-2	
FOOH	3	PUNCH-3	
FOOM	4	PUNCH-4	
HOOJ	5	PUNCH-5	
HOON	6	HIGH-SPEED PUNCH FEED	
HOOZ	7	HIGH-SPEED PUNCH GATE	
JOOZ	8	PUNCH SYNC.	
LOOB	9	DS·CV	
TS1-7	10	OV_c	
TS1-10	11	-20	
LOOC	12	TF	
LOOD	13	SLOW IN·$\overline{OC1}$·[STOP]$_{OB}$	
TS4-2	14	WRITE PULSE	
AOOH	15	$\overline{OC1}$	
AOOF	16	$\overline{OC1}$	
TS1-3	17	+100V	
TS1-1	18	+250V	
TS1-12	19	-160V	
AOOJ	20	OB_2	
AOF	21	①	
AOH	22	②	
BOOF	23	③	
BOOH	24	PUNCHED TAPE 1	PR INPUT
BOOJ	25	PUNCHED TAPE 2	
BOOK	26	PUNCHED TAPE 3	
BOOL	27	PUNCHED TAPE 4	
BOOM	28	PUNCHED TAPE 5	
BOON	29	READY*	
BOOP	30	G-15 PHOTO TAPE PERMIT	
BOOR	31	CLOCK	
BOOS	32	M23	
BOOT	33	PHOTO TAPE FORWARD	
EOJ	34	PHOTO TAPE REVERSE	
TB1-BH	35	115 VAC	
TB1-BJ	36	115 VAC	
TB1-BK	37	+160V	

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
TB1a-DU	7		7	
DB1a-DV	8		8	
PLF6-17	9	TAPE RUN	9	R8
	10		10	
TB2a-AB	11	115 VAC	11	TS13-1
TB2a-AC	12	115 VAC	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	OV_b	16	V1-2

PL-16 G-15 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 CLUTCH
PLF16-P	L	+160V	L	TAPE INTER-LOCK CONTACTS
PLM15-14	M	+160V	M	TAPE INTER-lock CONTACTS
	N		N	
PLF16-L	P	+160V	P	PUNCH CYCLE CONTACTS
SW1-4	R	+160V	R	PUNCH CYCLE CONTACTS
	S		S	
	T		T	
SW1-2	U	+115 VAC	U	PLF16-V
TB2a-AC, PLM15-12	V	+115 VAC	V	PLF16-U
	W		W	
SW1-3	X	+160V	X	PLM16-Y COMMON
CR-1	Y	+160V	Y	PLM16-X) TO PUNCH SOLENOIDS

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PL-18 CARD

PLF18

NOOT	1	INPUT-1
NOOU	2	INPUT-2
NOOV	3	INPUT-3
NOOX	4	INPUT-4
MOOM	5	INPUT-5
TB1a-CN	6	CARD READ RELAY SIGNAL
TB1a-CP	7	CARD READ RELAY PULSE
TB1a-CR	8	CARD PUNCH RELAY SIGNAL
TB1a-CS	9	CARD PUNCH RELAY PULSE
TB1a-CT	10	PUNCH-1 (OB_1 RELAY SIG)
TB1a-CU	11	PUNCH-2 (OB_2 RELAY SIG)
TB1a-CV	12	PUNCH-3 (OB_3 RELAY SIG)
TB1a-CX	13	PUNCH-4 (OB_4 RELAY SIG)
TB1a-CZ	14	PUNCH-5 (OB_5 RELAY SIG)
FOM	15	T21·CN*
JOZ	16	CQS
ION	17	C1
COOK	18	DS·S5·SW
	19	
PLF5-2	20	(2)
PLF5-4	21	(3)
	22	
	23	
TS1b-7	24	OV_c (For -20V)
TS1a-7	25	OV_c (For +160V)
TS1b-2	26	+160V
TS1a-10	27	-20V
NOOS	28	SET SIGN FF
	29	
	30	

PL-19 INPUT REGISTER

PLF19

COF	1	INPUT SIGNAL
COH	2	SC·M20
COM	3	READY INPUT SIGNAL
	4	
	5	
TS1a-7	6	OV_c
AOJ	7	WRITE PULSE
FOJ	8	START INPUT
FOK	9	STOP INPUT
	10	
	11	
AOK	12	SHIFT COMMAND

PL-20 OUTPUT REGISTER

PLF20

COJ	1	OUTPUT SIGNAL
COK	2	OUTPUT SHIFT
COL	3	READY OUTPUT
	4	
	5	
TS1a-5	6	OV_c
	7	
	8	
	9	
TS1a-1	10	+250V
TS1a-10	11	-20V

PL-21 (DA-1) (MTA-3) (CA-2)

COMPUTER	PLF21	SIGNAL		PL1	(DA-1)	
PLF5-5	1	(4)		1	A9P	
PLF5-1	2	(1)		2	A9N	
COOX	3	TO		3	H5K	
EOK	4	OVERFLOW		4	J11V	
HOF	5	M6	dx	5	SW6-3	dx
FOL	6	M7		6	SW7-3	
FOH	7	M8		7	SW8-3	
EOT	8	M9		8	SW9-3	
HOZ	9	M10	dy	9	SW10-3	dy
HOX	10	M11		10	SW11-3	
HOV	11	M12		11	SW12-3	
HOU	12	M13		12	SW13-3	
HOT	13	$\overline{M14}$	K dx	13	A17A	
FON	14	$M14_w$		14	B17V	
HOS	15	$\overline{M15}$	K	15	A16A	
HOR	16	$\overline{M16}$	R	16	H15A	
HOJ	17	$M16_w$		17	H18V	
HOP	18	$\overline{M17}$	Y	18	J4D	
HON	19	$\overline{M17}$		19	J6A	
HOH	20	$M17_w$		20	J11S	
HOM	21	$\overline{M18}$ (START)		21	H15V	
HOL	22	$\overline{M21}$	ZE	22	B6D	
EOL	23	$M21_w$		23	B13P	
HOK	24	$\overline{M22}$	ZS	24	B7D	
EOM	25	$M22_w$		25	B13R	
EOP	26	$\overline{GO}$ (P)		26	A13R	
EOR	27	$\overline{GO}$* (M)		27	A13S	
EOS	28	$\overline{GO}$** (M)		28	A13V	
TB2a-DE	29	GO NEON		29		
TS4-2	30	WRITE PULSE		30	C11P	
COOM	31	DS·S4·SX		31	A5V, A6V	
KOOX	32	TF***		32		
KOOV	33	T29***		33		
AOOV	34	T13		34		

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PL-2 DIFFERENTIAL ANALYZER POWER

	PLM2		PLF2	
PLM16-1	1	115 VAC	1	$TS3_a$-36
PLM16-2	2	115 VAC	2	$TS3_a$-32
PLM16-3	3	K3 (D.C. ON RELAY) (115 V)	3	$TS3_a$-35
PLM16-4	4	K1 (1ST FILAMENT RELAY) (115V)	4	$TS3_a$-33
PLM16-5	5	-20 V	5	$TS3_a$-30
PLM16-6	6	OV_c	6	$TS3_a$-7
PLM16-7	7	INTERLOCK	7	A10L
PLM16-8	8	INTERLOCK	8	$TS3_a$-29
PLM16-9	9	K2 (2ND FILAMENT RELAY)	9	$TS3_a$-34
PLM16-10	10	-13 V	10	C11K
PLM16-11	11		11	
PLM16-12	12	OV_c (FOR +160 V)	12	PLF3-10, PLF4-10
PLM16-13	13	+160 V	13	PLF3-11, PLF4-11
PLM16-14	14	+250 V	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	B11P
2	$-\Delta X_1$ OUT	2	B11R
3	$-\Delta Y_1$ OUT	3	B11U
4	$+\Delta Y_1$ OUT	4	B11T
5	GROUND(-20V RETN)	5	J12J
6	GO•WO	6	C18R
7	$+\Delta Y$ IN	7	C8K
8	$-\Delta Y$ IN	8	C3K
9		9	
10	OV_c (FOR +160V)	10	PLF2-12
11	+160V	11	PLF2-13, PL4-11
12	115 VAC	12	$TS3_a$-24
13	115 VAC	13	$TS3_a$-25
14		14	
15		15	
16		16	
17		17	
18		18	
19		19	

PL-4 GRAPH PLOTTER

	PLM4		PLF4	
B12R	1	$-\Delta X_2$	1	P5-1
B12P	2	$+\Delta X_2$	2	P5-2
B12U	3	$-\Delta Y_2$	3	P5-3
B12T	4	$+\Delta Y_2$	4	P5-4
J13J	5	GROUND (-20V RETN)	5	P5-5
	6		6	
	7		7	
	8		8	
	9		9	
PLF2-12	10	OV_c (+160V RETN)	10	P5-10
PLF3-11, PLF2-13	11	+160V	11	
$TS3_a$-24	12	115 VAC	12	P5-12
$TS3_a$-25	13	115 VAC	13	P5-13
	14		14	
	15		15	
	16		16	
	17		17	
	18		18	
	19		19	

TAPER PIN CONNECTIONS

(Effective ECO 1119)

A-0-			A-0-	
A00A	A	$\overline{CS}$ (CS)(IG)	A	A7A
	B		B	
A00C	C	AC_S (CG)	C	J19F
A00D	D	$\overline{C8}$ (CS)	D	B15K
A00E	E	$\overline{C1}$ (CS)	E	D2T
PLF17-21	F	(1) (MT)	F	K5P
PLF17-22	H	(2) (CS)	H	A12P
PLF19-7	J	WRITE PULSE	J	A20R
PLF19-12	K	SHIFT COMMAND (CS)	K	A3F
	L		L	
PLF8-2	M	+dX, STOP INPUT (CS)	M	B4R
PLF8-1	N	-dX, START INPUT(CS)	N	B4P
PLF8-3	P	+dY (CS)	P	B4V
PLF8-4	R	-dY (CS)	R	B4T
TB1b-BV	S	AS NEON (11)	S	B3R
	T		T	
TB2a-DK	U	IP NEON (IG)	U	A24R
	V		V	
TB2a-DD	X	CD_2 NEON (M)	X	H27R
TB2a-DX	Z	CD_3 NEON (M)	Z	H27P

C-0-			C-0-	
C00A	A	CS+$\overline{CX}$ (IG)	A	A3C
C00B	B	$\overline{CW}$ (CS)	B	A2V
C00C	C	SU (CS)	C	C5R
C00D	D	SW (CS)	D	C5P
C00E	E	PC (IG)	E	E19T
PLF19-1	F	INPUT SIGNAL (CS)	F	A3U
PLF19-2	H	SC·M20	H	A5S
PLF20-1	J	OUTPUT SIGNAL (CS)	J	K26P
PLF20-2	K	OUTPUT SHIFT (CS)	K	A5R
PLF20-3	L	READY OUT (CG)	L	K7D
PLF19-3	M	READY IN (CG)	M	K14K
C00N	N	$\overline{IS}$ (IG)	N	A22D
C00P	P	PG CLEAR (IG)	P	A17U
C00R	R	$\overline{M3}$ (M)	R	E22E
C00S	S	$\overline{CF}$ (CG)	S	F14K
C00T	T	S2 (CS)	T	C3D
	U		U	
C00V	V	D7 (CS)	V	E2S
TB2a-CH	X	CD_1 NEON (M)	X	H5R
C00Z	Z	TS (IG)	Z	H5D

B-0-			B-0-	
TB2a-CP	A	C1 NEON (CS)	A	D2R
TB2a-DS	B	C2 NEON (CS)	B	D2P
TB2a-DU	C	C3 NEON (CS)	C	C1R
TB2a-BX	D	C4 NEON (CS)	D	C1P
TB2a-CA	E	C5 NEON (CS)	E	C2R
TB2a-CC	F	C6 NEON (CS)	F	C2P
TB2a-BC	H	C7 NEON (CS)	H	B1R
TB2a-CE	J	C8 NEON (CS)	J	B1P
TB2a-BH	K	C9 NEON (CS)	K	B2R
TB2a-BK	L	CU NEON (CS)	L	B2P
TB2a-BM	M	CV NEON (CS)	M	A2R
TB2a-CK	N	CW NEON (CS)	N	A2P
TB2a-CM	P	CX NEON (CS)	P	A1R
TB2a-BA	R	CQ NEON (CG)	R	K23R
TB2a-CU	S	CH NEON (CG)	S	J24P
TB2a-DP	T	CG NEON (CG)	T	K23P
B00U	U	$\overline{TS}$ (IG)	U	A7K
B00V	V	TS (IG)	V	A9V
B00X	X	CS (CS)	X	D1T
B00Z	Z	IB (IG)	Z	B5K

D-0-			D-0-	
D00A	A	S1 (CS)	A	C3P
D00B	B	TS (IG)	B	A8V
D00C	C	S5 (CS)	C	C4U
D00D	D	SV (CS)	D	C4B
D00E	E	T29·TR·D7·$\overline{C3}$·IS·$\overline{IC}$(CS)	E	F1P
D00F	F	T29·$\overline{CE}$·TR·DW·C6·C5·IS·$\overline{IC}$ (CS)	F	F1R
	H		H	
	J		J	
	K		K	
	L		L	
	M		M	
	N		N	
	P		P	
	R		R	
	S		S	
	T		T	
	U		U	
	V		V	
D00X	X	LB*** (M)	X	H7V
D00Z	Z	AA (IG)	Z	E20A

E-0-			E-0-	
E00A	A	D6 (CS)	A	F2U
E00B	B	$\overline{CB}$ (CS)	B	D6K
E00C	C	$\overline{CE}$ (CG)	C	F16T
E00D	D	CF (CG)	D	F22C
E00E	E	$\overline{CN}$ (CG)	E	F16V
E00F	F	PA (IG)	F	E20V
	H		H	
PLF17-34	J	PHO. TAPE REV.ø1(8)	J	F15R
PLF21-4	K	OVERFLOW (DA-1)(IG)	K	E19C
PLF21-23	L	$M21_W$ (R)	L	D1E
PLF21-25	M	$M22_W$ (R)	M	D1R
	N		N	
PLF21-26	P	$\overline{GO}$ (R) (CG)	P	D8A
PLF21-27	R	$\overline{GO}$* (M)	R	D8E
PLF21-28	S	$\overline{GO}$** (M)	S	H13D
PLF21-8	T	M9 (M)	T	J5V
	U		U	
	V		V	
E00X	X	$\overline{M23}$* (M)	X	D20M
E00Z	Z		Z	

H-0-			H-0-	
H00A	A	DV (CS)	A	D3C
H00B	B	DW* (CS)	B	D4R
H00C	C	S6 (CS)	C	C5S
H00D	D	SX* (CS)	D	D1D
H00E	E	$\overline{TI}$ (CG)	E	F19M
PLF21-5	F	M6 (M)	F	J5P
PLF21-20	H	$M17_W$ (M)	H	A3B
PLF21-17	J	$M16_W$ (M)	J	H2J
PLF21-24	K	$\overline{M22}$ (R)	K	A27R
PLF21-22	L	$\overline{M21}$ (R)	L	A27P
PLF21-21	M	$\overline{M18}$ (M)	M	H4U
PLF21-19	N	$\overline{M17}$ (M)	N	H4S
PLF21-18	P	$\overline{M17}$ (M)	P	H4R
PLF21-16	R	$\overline{M16}$ (M)	R	H4P
PLF21-15	S	$\overline{M15}$ (M)	S	K24U
PLF21-13	T	$\overline{M14}$ (M)	T	K24S
PLF21-12	U	M13 (M)	U	K24R
PLF21-11	V	M12 (M)	V	K24P
PLF21-10	X	M11 (M)	X	A27S
PLF21-9	Z	M10 (M)	Z	J25S

F-0-			F-0-	
F00A	A	S0* (CS)	A	C3R
F00B	B	PJ (CS)	B	A17E
F00C	C	S7* (CS)	C	C4S
TB6-1	D	-13V	D	A21L
F00E	E	CC (CG)	E	E13E
F00F	F	D5 (CS)	F	E4S
PLF21-7	H	M8 (M)	H	J5T
PLF19-8	J	-dX, START INPUT (CS)	J	B4P
PLF19-9	K	+dX, STOP INPUT (CS)	K	B4R
PLF21-6	L	M7 (M)	L	J5R
PLF18-15	M	T21·CN* (CG)	M	F2P
PLF21-14	N	$M14_W$ (M)	N	H1J
F00P	P	LB**** (R)	P	C9V
F00R	R	LB* (M)	R	K8V
F00S	S	S3 (CS) (MT)	S	E2R
F00T	T	LB** (M)	T	F7V
F00U	U	<MANUAL PUNCH> (CG)	U	K21S
F00V	V	③ (CS) (MT)	V	A12T
F00X	X	⑪ (CS)	X	A17C
F00Z	Z	$\overline{CV}$ (CS)	Z	A2T

I-0-			I-0-	
I00A	A	$\overline{PC}$ (IG)	A	E18D
I00B	B	$\overline{AC}$ (IG)	B	E17D
I00C	C	AC (IG)	C	E19E
I00D	D	FO (CG)	D	K20A
I00E	E	FO_r (CG)	E	K17K
I00F	F	OS (IG)	F	F1S
TB1a-AH	H	RING BELL (CS)	H	K21N
I00J	J	T28 (CG)	J	H20T
I00K	K	$\overline{D5}$ (CS)	K	E4U
I00L	L	$\overline{DX \cdot TR}$* (CS)	L	D5U
TB10-AU	M	M19* (CG)	M	F17K
PLF18-17	N	C1 (CS)	N	C6S
TB10-AE	P	CM (CG)	P	F16V
TB10-AA	R	CN (CG)	R	F14C
TB10-AF	S	MO (M)	S	F12E
TB10-AB	T	M1 (M)	T	F2T
TB10-AS	U	RC (CG)	U	J25R
TB10-AM	V	TR (CG)	V	A7E
TB10-AH	X	T1·CN (CG)	X	H21R
TB10-AC	Z	$\overline{MC}$ (CG)	Z	K15D

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J-O-			J-O-	
JOOA	A	DS* (CS)	A	F5S
JOOB	B	AR (CG)	B	K18N
JOOC	C	$\overline{AR}$ (CG) (IG)	C	K16T
JOOD	D	C7 (CS)	D	B1S
JOOE	E	$\overline{C7}$ (CS)	E	B1T
JOOF	F	CE (CG)	F	F15A
JOOH	H	<SA> (CG)	H	K17S
JOOJ	J	AUTO TAPE START (CG)	J	E7P
JOOK	K	PHOTO RDR REV. (8)	K	F15B
JOOL	L	PHOTO RDR FWD. (8)	L	F16B
JOOM	M	M3 (M)	M	K9B
	N		N	
	P		P	
	R		R	
	S		S	
	T		T	
	U		U	
	V		V	
	X		X	
PLF18-16	Z	CQS (CG)	Z	K21K

L-O-			L-O-	
LOOA	A	D4 (CS)	A	E4P
PLF1-30	B	<GO> (CG)	B	J18U
PLF1-31	C	<$\overline{GO}$> (CG)	C	J21T
PLF1-32	D	<BP> (CG)	D	J21D
LOOE	E		E	
LOOF	F		F	
LOOH	H		H	
LOOJ	J	OF_3* (5)	J	C11S
LOOK	K	T21 (CG)	K	J15A
LOOL	L	TR_r (CG)	L	J17S
LOOM	M	OA_r (4)	M	D7R
LOON	N	PM (CG)	N	J19D
LOOP	P		P	
LOOR	R	RETURN (CG)	R	H19K
LOOS	S	TO (CG)	S	J20C
LOOT	T	<CLEAR> (CG)	T	J18T
LOOU	U	$\overline{T13}\cdot\overline{T21}$ (CG)	U	F19A
LOOV	V	$\overline{PP}$ (IG)	V	E18C
PLF16-11	X	<CLEAR> CQ_r (CG)	X	J18T
TB2a-AT	Z	<$\overline{CLEAR}$> (CG)	Z	F15V

K-O-			K-O-	
KOOA	A	$\overline{CS\cdot CE}$ (CS)	A	F5R
KOOB	B	DU (CS)	B	E5C
KOOC	C	TYPE 1 (M)	C	D9R
KOOD	D	TYPE 2 (M)	D	D9T
KOOE	E	TYPE 3 (M)	E	D9E
KOOF	F	LB (CG)	F	K18E
KOOH	H	LB**** (M)	H	J8V
KOOJ	J	LB*** (M)	J	J7V
KOOK	K		K	
KOOL	L	M2 (M)	L	K8B
KOOM	M	$\overline{M2}$ (M)	M	E22C
PLF1-3	N	<F> (CG)	N	K17A
PLF1-5	P	<I> (CG)	P	K17T
PLF1-6	R	<M> (CG)	R	H18T
PLF1-9	S	<R> (CG)	S	H18E
	T		T	
TB2a-AH	U	<OP> (CG)	U	H15P
TB10-BE	V	<$\overline{OP}$> (CG)	V	A1D
TB2a-AK	X	<NT> (CG)	X	F17J
KOOZ	Z	S4 (CS)	Z	C5U

M-O-			M-O-	
MOOA	A	DX* (CS)	A	D5R
MOOB	B	CU (R) (CS)	B	E11A
PLF1-20	C	<E> (1)	C	E14R
PLF1-21	D	<C> (M)	D	E11P
	E		E	
MOOF	F		F	
MOOH	H	T29** (CG)	H	F14E
	J		J	
MOOK	K	T13 (CG)	K	J15S
MOOL	L	CN (CG)	L	F20F
	M		M	
MOON	N	T1·CN (CG)	N	F19K
MOOP	P	READY* (CG)	P	K7V
MOOR	R	T1* (CG)	R	K18S
MOOS	S	EB (IG)	S	E1V
MOOT	T	INTERLOCK	T	H6M
MOOU	U	AS (11)	U	H6R
MOOV	V	$\overline{AS}$ (11)	V	H6P
MOOX	X	DS**·$\overline{CV}$ (11)	X	J15R
MOOZ	Z	G-15 PHO. RDR PMT (8)	Z	F15P

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N-O-			N-O-	
NOOA	A	C9 (CS)	A	F2R
NOOB	B	CE (CG)	B	F14J
NOOC	C	M19* (CG)	C	F17K
NOOD	D	M19* (M)	D	D20V
NOOE	E		E	
NOOF	F	DS•S5•SW (CS)	F	B12S
NOOH	H	SX**•S4•DS* (CS)	H	A20L
NOOJ	J	T29* (CG)	J	H17E
NOOK	K	T29 (CG)	K	H14R
NOOL	L	T2 (CG)	L	H21K
NOOM	M	PHOTO TAPE FWD(8)	M	F16R
NOON	N	TR (CG)	N	K13C
NOOP	P	TF* (CG)	P	F23C
NOOR	R	M1 (M)	R	F2S
PLF5-27	S	MAG. TAPE FWD (MT)	S	F1U
PLF5-1	T	① (MT)	T	K21T
PLF5-2	U	② (MT)	U	K5U
PLF5-4	V	③ (MT)	V	K5S
PLF5-5	X	④ (MT)	X	K5R
NOOZ	Z	PHO TAPE REV. Ø1(8)	Z	F15R

R-O-			R-O-	
ROOA	A	IN*** (2)	A	B11P
ROOB	B	OC's RESET (5)	B	C11P
ROOC	C	OS (3)	C	C12S
ROOD	D	AS* (4)	D	D10T
ROOE	E	OF1•IN** (3)	E	C12A
ROOF	F	OF1•IN**•(OS+OH) (3)	F	C12M
ROOH	H	Type (2)	H	C12P
	J		J	
	K		K	
ROOL	L	OB_5* (4)	L	D10A
ROOM	M	OY* (2) (4)	M	D10E
ROON	N	OB_5**(OH•OY*+AS*)(4)	N	D10N
ROOP	P	Ⓜ * (5)	P	C7D
ROOR	R	OA1 (5)	R	C7M
	S		S	
ROOT	T	OY* (2)	T	D10P
TS1a-1	U	+250V	U	K1F
TS1a-6	V	OV_c	V	K1K
PLF16-8	X	INTERLOCK	X	K22M
ROOZ	Z	⟨F-B⟩ (3)	Z	C8N

P-O-			P-O-	
	A		A	
POOB	B	OY_s	B	D16E
POOC	C	⟨E⟩•⟨SA⟩ (5)(11)	C	E14T
POOD	D	⟨S⟩ (5)	D	D7S
TS4-3	E	WPR (-20V)	E	K22K
POOF	F	OS (2)	F	D7M
TS4-6	H	CPR (OV_a)	H	A21J
POOJ	J	OG* (2)	J	D7P
TS4-11	K	RCR (ADJ VOLTAGE)	K	A21U
TS4-12	L	READ CLOCK CLAMP	L	A21T
POOM	M	OS_s (3)	M	D7N
	N		N	
POOP	P	OC4 (2)	P	A16M
	R		R	
POOS	S	Ⓕ (5)	S	C11N
POOT	T	AUTO (3) (5)	T	D7A
TS1b-8	U	-20V	U	H6K
TS2a-12	V	RC•CJ (CS)	V	B11D
POOX	X	AS* (2)	X	C8P
TS4-1	Z	UP (CLOCK CHASSIS)	Z	K1P

S-O-			S-O-	
	A		A	
	B		B	
	C		C	
	D		D	
SOOE	E	OH (4)	E	D10D
SOOF	F	OH (2)	F	B22T
	H		H	
	J		J	
	K		K	
SOOL	L	OY_r (2)	L	C8R
SOOM	M	OG_s (2)	M	C7R
	N		N	
	P		P	
SOOR	R	Ⓕ•OD (2)	R	D17P
SOOS	S	OD_r (2)	S	A17F
SOOT	T	OD_s (2) (5)	T	C7A
SOOU	U	HC* (2)	U	A16A
SOOV	V	AS (2)	V	B10N
	X		X	
SOOZ	Z	TYPE•OY (2)	Z	B14S

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A-00-			A-00-	
AOA	A	$\overline{CS}$ (AG)	A	A42A
AOB	B		B	
AOC	C	AC_8 (AG)	C	A50B
AOD	D	$\overline{C8}$ (AG)	D	A46A
AOE	E	$\overline{C1}$ (TG)	E	A35D
PLF17-16	F	$\overline{OC1}$ (6)	F	B29U
PLF17-15	H	OC1 (6)	H	B29R
PLF17-20	J	OB_2 (3)	J	J53P
	K		K	
	L		L	
	M		M	
	N		N	
	P		P	
PLF5-24	R	MAG. TAPE FAST (MT)	R	H50R
PLF5-25	S	READY** (6)	S	J51R
PLF5-26	T	MAG. TAPE REV. (MT)	T	E53R
	U		U	
PLF21-34	V	T13 (TG)	V	A29R
PLF5-8	X	MAG. 6 IN (1)	X	F32K
PLF5-15	Z	MAG. 6 OUT (MT)	Z	E52P

C-00-			C-00-	
COA	A	CS·$\overline{CX}$ (PG)	A	D42E
COB	B	$\overline{CW}$ (PG)	B	D42J
COC	C	SU** (AG)	C	A46S
COD	D	SW (MT)	D	C39S
COE	E	ZC (PG)	E	D42A
	F		F	
	H		H	
	J		J	
PLF18-18	K	DS·S5·SW (CS)	K	C30P
TB1b-DL	L	PHOTO READER REV. (8)	L	J00K
PLF21-31	M	SX** · S4·DS* (CS)	M	F28R
CON	N	$\overline{IS}$ (PG)	N	B44J
COP	P	PG CLEAR (PG)	P	D42S
COR	R	$\overline{M3}$ (1)	R	A39A
COS	S	$\overline{CF}$ (11)	S	B43P
COT	T	S2 (2)	T	C34T
	U		U	
COV	V	D7 (AG)	V	B53A
PLF21-3	X	TO (CG)	X	D29S
COZ	Z	TS (TG)	Z	B30P

B-00-			B-00-	
TB2a-CX	A	OC_1 NEON (5)	A	J31R
TB2a-DA	B	OC_2 NEON (5)	B	J31P
TB2a-DH	C	OC_3 NEON (5)	C	K31R
TB2a-DM	D	OC4 NEON (5)	D	K31P
TB2a-CS	E	FO NEON (IG)	E	A50P
PLF17-23	F	③ (PG) (MT)	F	D48P
PLF17-24	H	INPUT LEVEL 1	H	A34U
PLF17-25	J	INPUT LEVEL 2	J	A34T
PLF17-26	K	INPUT LEVEL 3	K	A34S
PLF17-27	L	INPUT LEVEL 4	L	A34R
PLF17-28	M	INPUT LEVEL 5	M	A34P
PLF17-29	N	READY	N	A37P
PLF17-30	P	G-15 PHO. RDR PMT(8)	P	M00Z
PLF17-31	R	CLOCK	R	A50E
PLF17-32	S	M23 (11)	S	H29P
PLF17-33	T	PHOTO TAPE FWD (5)	T	J41V
BOU	U	$\overline{TS}$ (TG)	U	A33E
BOV	V	TS (TG)	V	A29P
BOX	X	CS (AG)	X	A46F
BOZ	Z	IB (AG)	Z	A45C

D-00-			D-00-	
DOA	A	S1 (MT)	A	D36N
DOB	B	TS (TG)	B	C30U
DOC	C	S5 (PG)	C	C43C
DOD	D	SV (PG)	D	D53D
DOE	E	T29·TR·D7·$\overline{C3}$·IS·$\overline{IC}$ (AG)	E	D40N
DOF	F	T29·$\overline{CE}$·TR·DW·C6·C5·IS·$\overline{IC}$ (PG)	F	D40D
	H		H	
PLF1-16	J	TYPE 4 (3)	J	E40U
PLF1-15	K	TYPE 3 (3)	K	E37R
PLF1-14	L	TYPE 2 (3)	L	E34N
PLF1-13	M	TYPE 1 (3)	M	E34S
PLF1-12	N	TYPE 5 (3)	N	E41T
PLF5-3	P	MAG. 1 OUT (8)	P	J52P
PLF5-6	R	MAG. 2 OUT (8)	R	J52R
PLF5-9	S	MAG. 3 OUT (8)	S	J52S
PLF5-10	T	MAG. 4 OUT (8)	T	J52U
PLF5-13	U	MAG. 5 OUT (8)	U	F53R
PLF1-4	V	<MANUAL PUNCH> (8)	V	H48M
DOX	X	LB*** (AG)	X	B54S
DOZ	Z	AA (AG)	Z	C53P

E-00-

EOA	A	D6 (PG)	A	D46S
EOB	B	$\overline{C8}$ (PG)	B	D43A
EOC	C	$\overline{CE}$ (PG)	C	B46K
EOD	D	$\overline{CF}$ (TG)	D	B35C
EOE	E	$\overline{CN}$ (TG)	E	B35F
EOF	F	PA (PG)	F	C52K
TB1a-CM	H	CARD PUNCH PULSE (8)	H	H48B
TB1a-CL	J	CARD PUNCH SIG. (8)	J	H48P
TB1a-CK	K	CARD READ PULSE (8)	K	J48B
TB1b-DK	L	PHOTO RDR FWD (5)(8)	L	J00L
TB1a-CJ	M	CARD READ SIGNAL (8)	M	C38M
	N		N	
TB1a-AR	P	OB_1 (3)	P	E29S
TB1a-AP	R	OB_2 (3)	R	J53P
TB1a-AN	S	OB_3 (3)	S	B30U
TB1a-AM	T	OB_4 (3)	T	J53R
TB1a-AS	U	OB_5* · (CH·$\overline{OY}$*+$\overline{AS}$*)(4)	U	R00N
TB1a-AU	V	TYPE PULSE (8)	V	K38B
EOX	X	$\overline{M23}$* (4)	X	F37S
EOZ	Z		Z	

H-00-

HOA	A	DV (PG)	A	E54B
HOB	B	DW* (PG)	B	E54C
HOC	C	86 (PG)	C	D54A
HOD	D	$\overline{SX}$* (PG)	D	D54D
HOE	E	$\overline{T1}$ (TG)	E	A48E
PLF1-1	F	<A> (5)	H	J36J
PLF1-7	H	<P> (5)	H	J37J
PLF17-5	J	PUNCH 5 (4)	J	J30R
PLF1-10	K	<T> (11)	K	E48D
PLF1-2	L	<S> (5)	L	J34N
PLF1-11	M	<SA> (1) (5)	M	D36P
PLF17-6	N	H.S. PUNCH FEED (4)	N	H30R
PLF1-8	P	<Q> (5)	P	J37A
	R		R	
	S		S	
	T		T	
TB2a-AM	U	AUTO TAPE START (5)	U	J50U
	V		V	
PLF1-17	X	<F-B> (3)	X	E37U
PLF17-7	Z	H.S. PUNCH GATE (4)	Z	J30V

F-00-

FOA	A	S0* (2)	A	C34D
FOB	B	PJ (PG)	B	D50S
FOC	C	S7* (AG)	C	A46T
TB6-1	D	-13V	D	C33L
FOE	E	CC (1)	E	B39D
FOF	F	D5 (11)	F	J42D
PLF17-3	H	PUNCH 3 (4)	H	H30U
PLF17-2	J	PUNCH 2 (4)	J	J30S
TB1a-BT	K	READY** (5)	K	E28U
	L		L	
PLF17-4	M	PUNCH 4 (4)	M	H30T
PLF17-1	N	PUNCH 1 (4)	N	H30P
FOP	P	LB***** (AG)	P	B54V
FOR	R	LB* (AG)	R	B54F
FOS	S	S3 (8)	S	J48P
FOT	T	LB** (AG)	T	B54R
FOU	U	< MANUAL PUNCH> (3)	U	K21S
FOV	V	③ (PG) (MT)	V	D48P
FOX	X	④ (PG)	X	B48P
FOZ	Z	$\overline{CV}$ (5)	Z	J34R

I-00-

IOA	A	$\overline{PC}$ (PG)	A	C45A
IOB	B	$\overline{AC}$ (AG)	B	B47T
IOC	C	AC (AG)	C	B48T
IOD	D	FC (IG)	D	A50U
IOE	E	FO_2 (IG)	E	A50C
IOF	F	FO_5, Ⓧ (IG)	F	F54P
PLF1-22	H	<B> (6)	H	K44S
IOJ	J	T28 (TG)	J	E50P
IOK	K	$\overline{D5}$ (11)	K	H46R
IOL	L	$\overline{DX}$·TR* (11)	L	H46S
TR10-AK	M	AR (AG)	M	E53P
TR10-AV	N	PP (PG)	N	C45B
TR10-AR	P	PR (PG)	P	C39F
TR10-AL	R	PJ (PG)	R	D41N
TB10-AX	S	OZ (6)	S	E46E
TB10-AZ	T	TO (TG)	T	A28U
TB10-AT	U	TF (TG)	U	A28P
TB10-AN	V	T29*** (TG)	V	B29P
TB10-AJ	X	OE* (1)	X	D30S
TB10-AD	Z	HC INPUT (3)	Z	E37K

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J-00-			J-00-	
JOA	A	DS* (PG)	A	D53A
JOB	B	AR (AG)	B	E53P
JOC	C	$\overline{AR}$ (AG)	C	B53U
JOD	D	$\overline{C7}$ (5)	D	J36C
JOE	E	$\overline{C7}$ (PG)	E	D48T
JOF	F	CE (PG)	F	B45J
JOH	H	<SA> (5)	H	J34S
JOJ	J	AUTO TAPE START (5)	J	J36R
JOK	K	PHOTO RDR REVERSE (8)	K	C00L
JOL	L	PHOTO RDR FWD (8)	L	E00L
JOM	M	M3 (1)	M	A41A
PLF5-19	N	MAG. IN 1 (3)	N	E34R
PLF5-20	P	MAG. IN 2 (3)	P	E34M
PLF5-21	R	MAG. IN 3 (3)	R	E37P
PLF5-22	S	MAG. IN 4 (3)	S	E40T
PLF5-7	T	MAG. IN 5 (3)	T	E41S
	U		U	
	V		V	
TB1b-DM	X	PUNCH SIGNAL (8)	X	F52S
PLF17-8	Z	<PUNCH SYNC>	Z	D39K

L-00-			L-00-	
LOA	A	D4 (11)	A	K40A
PLF17-9	B	DS** · $\overline{CV}$ (5)	B	H29S
PLF17-12	C	TF*** (TG)	C	J53S
PLF17-13	D	SLOW IN·$\overline{OC_1}$· STOP OB (5)	D	J53U
LOE	E		E	
LOF	F		F	
LOH	H		H	
LOJ	J	OF_3* (1)	J	H41M
LOK	K	T21 (1)	K	B39E
LOL	L	TR_r (PG)	L	C46S
LOM	M	OA_r (4)	M	H40E
LON	N	PM (PG)	N	D43E
LOP	P		P	
LOR	R	RETURN (AG)	R	A48S
LOS	S	TO (TG)	S	A28R
LOT	T	<CLEAR> (5)	T	J34K
LOU	U	$\overline{T13}$·$\overline{T21}$ (TG)	U	C30R
LOV	V	$\overline{PP}$ (PG)	V	H52S
TB2a-AN	X	<CLEAR> (5)	X	J34K
	Z		Z	

K-00-			K-00-	
KOA	A	$\overline{CS}$·$\overline{CE}$ (PG)	A	D46D
KOB	B	DU (PG)	B	E54A
KOC	C	TYPE 1 (3)	C	E34S
KOD	D	TYPE 2 (3)	D	E34N
DOE	E	TYPE 3 (3)	E	E37R
KOF	F	LB (AG)	F	K40J
KOH	H	LB**** (AG)	H	B54U
KOJ	J	LB*** (AG)	J	B54T
KOK	K		K	
KOL	L	M2 (1)	L	A40T
KOM	M	$\overline{M2}$ (1)	M	A40E
TB1b-DA	N	PHOTO 1 (3)	N	E34T
TB1b-DB	P	PHOTO 2 (3)	P	E34P
TB1b-DC	R	PHOTO 3 (3)	R	E37S
TB1b-DD	S	PHOTO 4 (3)	S	E40N
TB1b-DE	T	PHOTO 5 (3)	T	E41U
	U		U	
PLF21-33	V	T29*** (TG) (11)	V	B30B
PLF21-32	X	TF*** (TG)	X	A38D
KOZ	Z	S4 (11)	Z	K41A

M-00-			M-00-	
MOA	A	DX* (11)	A	K40D
MOB	B	CU (5)	B	J38K
TB1a-DH	C	TYPE (6)	C	J51U
TB1a-DF	D	AS*	D	A54S
	E		E	
MOF	F		F	
MOH	H	T29** (TG)	H	B29T
	J		J	
MOK	K	T13 (TG)	K	A29R
MOL	L	CN (5)	L	H46A
PLF18-5	M	INPUT 5 (3)	M	E40M
MON	N	T1·CN (6)	N	J50R
MOP	P	READY* (1) (6)	P	H32R
MOR	R	T1* (TG)	R	C30S
MOS	S	EB (11)	S	E50R
MOT	T	INTERLOCK	T	D49M
MOU	U	$\overline{AS}$ (11)	U	D35N
MOV	V	AS (11)	V	C40R
MOX	X	DS** · $\overline{CV}$ (5) (11)	X	H29T
MOZ	Z	C-15 PHOTO READER PERMIT (8)	Z	B00P

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N-00-			N-00-	
NOA	A	C9 (5)	A	J38C
NOB	B	$\overline{CE}$ (TG)	B	B35A
NOC	C	M19* (11)	C	K30P
NOD	D	$\overline{M19}$* (4)	D	F38T
NOE	E		E	
NOF	F	DS·S5·SW (CS)	F	C30A
NOH	H	SX**·S4·DS* (CS)	H	F28B
NOJ	J	T29* (TG)	J	B35K
NOK	K	$\overline{T29}$ (11)	K	E48F
NOL	L	T2 (PG)	L	C39E
NOM	M	PHOTO TAPE FWD.(5)(8)	M	C41S
NON	N	TR (PG)	N	C53D
NOP	P	TF* (TG)	P	H43E
NOR	R	M1 (AG)	R	A48N
PLF18-28	S	OS_s (3)	S	H35C
PLF18-1	T	INPUT 1 (3)	T	E34U
PLF18-2	U	INPUT 2 (3)	U	E37N
PLF18-3	V	INPUT 3 (3)	V	E37T
PLF18-4	X	INPUT 4 (3)	X	E40R
NOZ	Z	PHOTO TAPE REV.Ø1(8)	Z	Jf1S

R-00-			R-00-	
ROA	A	IN*** (11)	A	J49P
ROB	B	OC's RESET (5)	B	J43T
ROC	C	$\overline{OS}$ (4)	C	F40E
ROD	D	$\overline{AS}$* (11)	D	C41J
ROE	E	OF1·IN** (3)	E	F42C
ROF	F	OF1·IN**·($\overline{OS}$+$\overline{OH}$) (3)	F	H31E
ROH	H	TYPE (8)	H	K43E
	J		J	
	K		K	
ROL	L	OB_5* (3)	L	E29U
ROM	M	$\overline{OY}$* (11)	M	B39K
RON	N	OB_5*·(OH·$\overline{OY}$*+$\overline{AS}$*)(4)	N	E00U
ROP	P	Ⓜ* (6)	P	E52S
ROR	R	$\overline{OA_1}$ (4)	R	H38A
	S		S	
ROT	T	OY* (2)	T	E28R
TS1a-1	U	+250V	U	K54F
TS1a-6	V	OV_c	V	K54K
TB8-AJ	X	INTERLOCK	X	K49L, SW2-2
ROZ	Z	⟨F-B⟩ (2)	Z	E37U

P-00-			P-00-	
TS2-9	A	V9-9(CLOCK CHASSIS)	A	J54E
POB	B	OY_s	B	D32D
POC	C	⟨SA⟩·⟨E⟩ (5) (11)	C	J40D
POD	D	⟨Ⓢ⟩ (5)	DD	E44K
TS4-3	E	WPR (-20V)	E	J33K
POF	F	OS (3)	F	F31U
TS4-4	H	SPR (OV_a)	H	C33J
POJ	J	$\overline{OG}$* (2)	J	K48R
TS4-11	K	RCR (ADJ. VOLTAGE)	K	J54U
TS4-12	L	RCC	L	C33T
POM	M	OS_s (3)	M	H35R
TB10-AP	N	M23* (4) (11)	N	F41S
POP	P	$\overline{OC4}$ (5)	P	K31V
	R		R	
POS	S	Ⓕ (6)	S	E51T
POT	T	AUTO (2) (11)	T	C54R
TS1a-8	U	-20V	U	K49K
POX	X	AS* (11)	X	A54T
TS4-1	Z	WP (CLOCK CHASSIS)	Z	K54P
	V		V	

S-00-			S-00-	
TB10-BA	A	⟨M19 CLEAR⟩ (11)	A	K41P
TB10-BB	B	⟨M23 CLEAR⟩ (11)	B	K34R
TB10-BH	C	⟨M19 SET⟩ (11)	C	K43K
	D		D	
SOE	E	OH (2)	E	K45D
SOF	F	$\overline{OH}$ (6)	F	E45R
	H		H	
	J		J	
	K		K	
SOL	L	OY_r (2)	L	D34K
SOM	M	OG_s (2)	M	F45E
	N		N	
J37U	P	⟨Q⟩·⟨SA⟩ (5)	P	J50F
SOR	R	Ⓕ·OD (2)	R	C35L
SOS	S	OD_r (2)	S	D31A
SOT	T	OD_s(2) (5)	T	D38N
SOU	U	$\overline{HC}$*	U	A54P
SOV	V	$\overline{AS}$ (2)	V	D37L
	X		X	
SOZ	Z	TYPE·OY (2)	Z	D41P

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T B - 1 RELAY CHASSIS (TOP AMP TAPER PIN BLOCK)

T B - 1 - A (NEAREST RELAY CHASSIS)

	a		b	
PLF1-23	A	OB_4 RELAY SIG	A	(V8-1,6)
PLF1-24, TB1a-BU	B	OB_3 RELAY SIG	B	(V7-6)(V15-1,6)
PLF1-25, TB1a-DT	C	OB_2 RELAY SIG	C	(V6-6)(V14-1,6)
PLF1-26	D	OB_1 RELAY SIG	D	(V7-1)(V13-1,6), TB1b-AJ
PLF1-27	E	OB_5 RELAY SIG	E	(V6-1)
PLF1-29	F	TYPE RELAY PLS	F	(V9-6)
IOH	H	RING BELL	H	R57-2
V7-1	J	OB_1 RELAY SIG	J	TB1b-AD
	K		K	R53-2
	L		L	(V10-6)
EOOT	M	OB_4	M	R37-2
EOOS	N	OB_3	N	R36-2
EOOR	P	OB_2	P	R32-2
EOOP	R	OB_1	R	R33-2
EOOU	S	OB_5	S	R31-2
	T		T	R52-2
EOOV	U	TYPE PULSE	U	R51-2
	V		V	(V10-1)
PLF1-34	X	+160V	X	R60-1
PLF1-19	Z	OVb	Z	R59-1

T B - 1 - B

	a		b	
PLF15-4	A	OB_4	A	R48-2
PLF15-3	B	OB_3	B	R45-2
PLF15-2	C	OB_2	C	R43-2
PLF15-1	D	OB_1	D	R44-2
PLF15-5	E	OB_5	D	R42-2
	F		F	K4-4
PLF17-35	H	115VAC	H	SW7-SEC 1-5
PLF17-36	J	115VAC	J	K2-1
PLF17-37	K	+160V	K	R3-2, T-6a-3
	L		L	
	M	OB_2	M	R43-1, V6-5
	N	OB_1	N	R44-1, V7-5
	P		P	
	R		R	
TB1b-CB	S	OVb	S	RELAY CHASSIS
FOOK	T	READY**	T	R49-2
TB1a-AB, TB1b-AB	U	OB_3 RELAY SIG	U	(V7-6)(V15-1,6)
TB14-AS	V	AS NEON	V	AOS
	X	READY** NEON	X	R50-2
PLF14-21	Z	SIGNAL	Z	TB14-AN

T B - 1 - C

	a		b	
PLF15-16	A	OVb	A	R59-1
PLF6-21	B	OVb	B	RELAY CHASSIS
PLF6-20	C	+160V	C	R60-2, R61-2
PLF15-14	D	+160V	D	R61-1
	E		E	
PLF14-32	F	AS* (AN)	F	(V16-6)
PLF1-33	H	TYPE	H	(V16-1)
EOOM	J	CARD READ SIG	J	R39-2
EOOK	K	CARD READ PULSE	K	R41-2
EOOJ	L	CARD PNCH SIG	L	R38-2
EOOH	M	CARD PNCH PULSE	M	R40-2
PLF18-6	N	CARD READ RS	N	14 (V4-6)
PLF18-7	P	CARD READ RP	P	18 (V5-6)
PLF18-8	R	CARD PUNCH RS	R	12 (V4-1)
PLF18-9	S	CARD PUNCH RP	S	16 (V5-1)
PLF18-10	T	OB_1 RELAY SIG	T	6 (V2-1,6)
PLF18-11	U	OB_2 RELAY SIG	U	4 (V1-6)
PLF18-12	V	OB_3 RELAY SIG	V	8 (V3-1)
PLF18-13	X	OB_4 RELAY SIG	X	10 (V3-6)
PLF18-14	Z	OB_5 RELAY SIG	Z	2 (V1-1)

T B - 1 - D

	a		b	
PLF6-1	A	PHOTO-1	A	KOON
PLF6-2	B	PHOTO-2	B	KOOP
PLF6-4	C	PHOTO-3	C	KOOR
PLF6-5	D	PHOTO-4	D	KOOS
PLF6-7	E	PHOTO-5	E	KOOT
MOOD	F	AS*	F	R68-2
MOOC	H	TYPE (6)	H	R71-2
	J	OB_3	J	V7-8, R45-1
PLF6-9	K	PHOTO RDR FORWD	K	EOOL
PLF6-10	L	PHOTO RDR REVRS	L	COOL
PLF15-6	M	PUNCH SIG	M	JOOX
PLF6-23	N	-20V	N	TS1a-9
PLF6-19	P	-160V	P	TC1b-12
PLF6-16	R	+100V	R	TS1b-3
PLF6-22	S	OVa	S	TS1b-4
PLF1-25, TB1a-AC	T	OB_2 RELAY SIG	T	(V6-6) (V14-1,6)
PLF15-7	U		U	
PLF15-8	V		V	
PLF6-11	X	REMOTE REWIND	X	PLF1-28
PLF6-12	Z		Z	

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TB-2 RELAY CHASSIS (BOTTOM AMP TAPER PIN BLOCK)

TB-2-A (NEAREST RELAY CHASSIS)

	a		b	
PLF6-14	A	115VAC	A	SW6-SEC 2-1
PLF15-11	B		B	
PLF15-12	C	115VAC	C	SW7-SEC 1-5
PLF6-15	D		D	K7-3
PLF6-18	E	WAIT FOR TAPE	E	K4-4
TB10-BC	F	<$\overline{OP}$>R	F	SW7-SEC 3-4
KOU	H	<OP>	H	SW7-SEC 3-5
TB10-BD	J		J	
KOX	K	NT	K	
TB10-BF	L		L	SW7-SEC 3-8
HOOU	M	AUTO TAPE START	M	SW7-SEC 3-6&9
LOOX	N	<CLEAR> (OC'S)	N	SW7-SEC 3-1
TB10-BL	P	INTERLOCK	P	C9-1
TB10-BM	R	INTERLOCK	R	K4-3
TB10-BK	S	-20V	S	C7
LOZ	T	<$\overline{CLEAR}$>	T	SW7-SEC 3-3
TB8-AT	U	READY LAMP 6.3VAC	U	K4-8
R7-1	V	OVa	V	SW7-SEC 3-10, R75, TB2b-BF
TB11-11	X	-20V	X	K7-1
TB8-AK	Z	DC ON LAMP 6.3VAC	Z	K4-2

TB-2-B

	a		b	
BOR	A	CQ NEON	A	TB14-AH
PLF14-1	B		B	
BOH	C	C7 NEON	C	TB14-BC
PLF14-2	D		D	
TB10-BJ	E	OVa	E	TB14-AC
PLF14-25	F		F	K8-1, TB2b-AV
BOK	H	C9 NEON	H	TB14-BE
PLF14-4	J		J	
BOL	K	CU NEON	K	TB14-BF
PLF14-5	L		L	
BOM	M	CV NEON	M	TB14-BH
PLF14-6	N		N	
TS1a-3, K5-5	P	+100V	P	SW10-1
TB14-AE	R	+100V	R	SW10-2
PLF14-26	S	+100V	S	SW10-3
TS1a-12	T	-160V	T	SW10-4
TB14-AA	U	-160V	U	SW10-5
PLF14-27	V	-160V	V	SW10-6
BOD	X	C4 NEON	X	TB14-BR
PLF14-10	Z		Z	

TB-2-C

	a			b	
BOE	A	C5	NEON	A	TB14-BS
PLF14-11	B			B	
BOF	C	C6	NEON	C	TB14-BT
PLF14-12	D			D	
BOJ	E	C8	NEON	E	TB14-BD
PLF14-3	F			F	
COX	H	CD_1	NEON	H	TB14-BU
PLF14-13	J			J	
BON	K	CW	NEON	K	TB14-BJ
PLF14-14	L			L	
BOP	M	CX	NEON	M	TB14-BK
PLF14-15	N			N	
BOA	P	C1	NEON	P	TB14-BM
PLF14-16	R			R	
BOOE	S	FO	NEON	S	TB14-BB
PLF14-17	T			T	
BOS	U	CH	NEON	U	TB14-BA
PLF14-18	V			V	
BOOA	X	OC_1	NEON	X	TB14-AJ
PLF14-19	Z			Z	

TB-2-D

	a			b	
BOOB	A	OC_2	NEON	A	TB14-AK
PLF14-20	B			B	
PLF14-28	C	CD_2	NEON	C	TB14-BV
AOX	D			D	
PLF21-29	E	GO	NEON	E	TB14-AR
PLF14-30	F			F	
BOOC	H	OC_3	NEON	H	TB14-AL
PLF14-22	J			J	
AOU	K	IP	NEON	K	TB14-BL
PLF14-23	L			L	
BOOD	M	OC_4	NEON	M	TB14-AM
PLF14-24	N			N	
BOT	P	CG	NEON	P	TB14-AP
PLF14-7	R			R	
BOB	S	C2	NEON	S	TB14-BN
PLF14-8	T			T	
BOC	U	C3	NEON	U	TB14-BP
PLF14-9	V			V	
AOZ	X	CD_3	NEON	X	TB14-BX
PLF14-29	Z			Z	

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TB-3 RELAY CHASSIS (BARRIER STRIP)

a		b	
	SW7-SEC.2-1	A	TB8-BR
	C8-1	B	TB8-BZ
	R58-1,R59-2	C	TB5b-9
	R60-2	D	TB6a-3,TS1b-2
	V6-4	E	TB9b-6
	K3-1,V6-9	F	TB9b-3
	FIL.PRIM.K2-9	H	T1-2,R15b-2
	D.C. PRIM.K3-6	J	T3-2
	SW7-SEC.2-11	K	TB8-AR
	K1-3	L	R14a-2
	K3-2	M	T4-4
	FIL.DROP K1-9	N	R15a-2
	K1-8&10,K2-2	P	PLF16-4
	K1-1,K2-7	R	PLF16-9
	K6-2	S	PLF16-7
	K1-11	T	TB7a-1,PLF16-2
	K2-1	U	FB1-F15-LOAD,PLF16-1
	K5-1	V	R107-1
	K6-1	X	R105-1
	K3-7	Z	PLF16-3

A RESET
B 115 VAC
C OV_b
D +160V
E 6.3 AC } RELAY
F 6.3 AC } CHASSIS
H 115 VAC
J 115 VAC
K INTERLOCK
L } A.C. POWER
M }
N 115 VAC
P 115 VAC
R 115 VAC
S INTERLOCK (DA-1)
T 115 VAC
U 115 VAC
V (+100) REM NEON SW
X (-160) REM NEON SW
Z D.C. ON RELAY 115 VAC

TB-4 PRE-AMP CHASSIS

	a		b	
	1		1	
TS2a-2,TB6a-6	2	+100	2	L2-2
TB9b-1	3	6.3 VAC	3	T1-6
TB9a-7	4	6.3 VAC	4	T1-5
TB5a-1	5	OV_a	5	C2 (MINUS)

TB-5 FRAME-LOWER LEFT FRONT (ABOVE L-1)

		a		b	
TB4a-5	(OV_a)	1		1	PLM7-1
L1-2	(OV_a)	2		2	FRAME (T4 MOUNTING)
TS2a-3	(OV_a)	3		3	
TS1b-5	(OV_c)	4	OV	4	
TS2a-14	(OV_a)	5	(FRAME)	5	TS2a-3
TB6a-4	(OV_c)	6		6	
TS2a-10	(OV_c)	7		7	
TS1b-6	(OV_c)	8		8	
TB6a-2	(OV_b)	9		9	TB3b-C

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	C-3
TB3b-D,R28-1	3	+160V	3	C-3
TB5a-6,TB11-2	4	OV_c	4	R4-2
TS1a-1,L4-2	5	+250V	5	R4-1
TB4a-2,R2-2	6	+100V	6	R8-2,R2-2
TS2a-11,Ts1b-9	7	-20V	7	R8-1
L1-2,R7-1	8	OV_a	8	TB2-AV,R6-2
TB9-a-1	9	-55 V	9	R6-3
TS2a-8,TS1b-11	10	-160V	10	R1B-3

TB-7 FRAME 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

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TB-8 CONTROL PANEL (LOWER FLANGE)

TB8-A

	a		b	
M1-2	A	6.3VAC	A	TB9b-2
M1-1	B	6.3VAC	B	TB9b-5
VAR 2-1	C	AC	C	T5-4
VAR 2-3	D	AC	D	TB11-3
VAR 2-4	E	AC	E	T5-3
SW2-3	F	+100V	F	R2-1,L2-2
SW2-2,R16-1	H	+100V	H	TS2a-2
SW4-2	J	INTERLOCK	J	ROOX
LT3	K	DC ON LAMP,6.3VAC	K	TB2a-AZ
SW2-1	L	+100V	L	R7-2
R18-1	M	+250V	M	TS1b-1
SW8-SEC2-C6	N	OV_c	N	TB11-2
SW3-1	P	+160V	P	R3-2
SW4-1	R	INTERLOCK	R	TB3b-K
R12-2,R20-1	S	-13V	S	TB6a-1
LT2	T	READY LAMP,6.3VAC	T	TB2a-AU
SW8-SEC1-D8	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-B4	N	OVb	N	R28-2, TB5a-9
SW3-2	P	+160V	P	R3-1, L3-2
SW5-1	R	RESET	R	TB3b-A
R12-1	S	-20V	S	R5-1
R12-3	T	SEE P.S. PRINT	T	R30-2
R13-2	U	SEE P.S. PRINT	U	R29-2
	V		V	
	X		X	
SW5-3	Z	115VAC	Z	TB3b-B

TB-9 LOWER REAR PANEL

	a		b	
TB6a-9, -55VBC	1		1	T1-6
TS2a-5	2	6.3	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
PLF6-6,P1F15-15	8		8	

TB-10 TEST PANEL

TB10-A

JACK	a		b	
NT	A	CN	A	IOR
L1	B	M1	B	IOT
SPARE	C		C	
HC	D	HC INPUT D		IOOZ
CM	E	CM	E	IOP
LO	F	MO	F	IOS
T1•CN	H	T1•CN	H	IOX
OE	J	OE*	J	IOOX
AR	K	AR	K	IOOM
ID	L	PJ	L	IOOR
TR	M	TR	M	IOV
T29	N	T29***	N	IOOV
M23	P	M23*	P	POON
MQ	R	PR	R	IOOP
RC	S	RC	S	IOU
TF	T	TF	T	IOOU
M19	U	M19*	U	IOM
PN	V	PP	V	IOON
OZ	X	OZ	X	IOOS
TO	Z	TO	Z	IOOT

TB10-B

	a		b	
M19-CLEAR	A	⟨M19 CLEAR⟩	A	SOOA
M23 CLEAR	B	⟨M23 CLEAR⟩	B	SOOB
OP-SET	C	⟨$\overline{OP}_R$⟩	C	TB2a-AF
OP-SET	D	⟨OP⟩	D	TB2a-AJ
OP-SET	E	⟨OP⟩	E	KOV
NT-SET	F	⟨NT⟩	F	TB2a-AL
M19-SET	H	⟨M19 SET⟩	H	SOOC
M19-CLEAR	J	OVa	J	TB2a-BE
F1	K	-20V	K	TB2a-AS
DC LOCKOUT SWITCH	L	INTERLOCK	L	TB2a-AR
DC LOCKOUT SWITCH	M	INTERLOCK	M	TB2a-AP
	N		N	
	P		P	
	R		R	
	S		S	
	T		T	
	U		U	
	V		V	
	X		X	
	Z		Z	

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TB-11 RECTIFIER BRACKET

	a		b	
4-Y2	1	A.C. (+250V)	1	FB1-F4-LOAD
4-B1	2	OV_c	2	TB8-AN, TB6a-4
4-Y1	3	A.C. (+250V)	3	TB8-AD
4-R1	4	+250V	4	L4-1
3-Y1	5	A.C. (+160V)	5	T3-3
3-Y3	6	A.C. (+160V)	6	FB1-F3-LOAD
3-B1	7	OV_b	7	R28-2, TB6a-2
3-R1	8	+160V	8	L3-1
2-Y1	9	A.C. (-20V)	9	FB1-F2-LOAD
2-Y	10	A.C. (-20V)	10	T2-6
2-B1	11	-20V	11	TB2a-AX, R5-1
2-B2	12	-20V	12	TS1a-9
2-R1	13	+100V	13	L2-1
1A-Y	14	A.C. (-160V)	14	T2-7
1B-Y	15	A.C. (-160V)	15	FB1-F1-LOAD
1A-B1	16	-160V	16	R1a-2
1A-R1	17	OV_a	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	OV_a	C	$TB2_b$-BE
		D		D	
LT28-1		E	+100V	E	$TB2_a$-BR
		F		F	
(TEST)	LT23-2	H	CQ NEON	H	TB2b-BA
INPUT	LT24-2	J	OC_1 NEON	J	TB2b-CX
	LT25-2	K	OC_2 NEON	K	TB2b-DA
	LT26-2	L	OC_3 NEON	L	TB2b-DH
	LT27-2	M	OC_4 NEON	M	TB2b-DM
	LT28-2	N	READY**NEON	N	TB1b-BZ
(NC-AR)	LT29-2	P	CG NEON	P	TB2b-DP
(GO)	LT30-2	R	GO NEON	R	TB2b-DE
(ALPHA)	LT31-2	S	AS NEON	S	TB1b-BV
		T		T	
		U		U	
		V		V	
		X		X	
		Z		Z	

TB-14B

	a		b	
(HALT) LT4-2	A	CH NEON	A	TB2b-CU
(OVFLO) 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	

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G-15 TERMINAL STRIP CONNECTIONS

TS-1 UPPER BACK PANEL

	a		b	
PLF20-10, ROU, ROOU	1	+250V	1	TB6a-5, TB8-AM, PLF8-8, PLF16-14, PLF17-18
PLF5-23, TB3b-D	2	+160V	2	PLF16-13, PLF18-26, PLF8-11
F7, R2-2, TB2a-BP	3	+100V	3	PLF17-17, PLF8-18, TB1a-DR
PLF-1-37, PLF5-18	4		4	PLF16-6, PLF8-10, TB1b-DS
PLF20-6	5		5	TB5a-4, PLF16-12
ROV, ROOV, PLF5-16	6	OV_c	6	TB5a-8, PLF21-31
	7		7	PLF17-10, PLF18-24, PLF18-25, PLF19-6
POOU, PLF5-17	8	-20V	8	PLF8-5, PLF16-5, POU
PLF1-18, TB1b-DN	9	-20V	9	TB11-12, TB6a-7
PLF20-11	10	-20V	10	PLF17-11, PLF18-27, PLF21-34
PLF8-7	11	-160V	11	R1b-2, TB6a-10
F14, TB2a-BT	12	-160V	12	TB1b-DP, PLF17-19
PLF8-12, PLF1-35	13	115V AC	13	TB7b-2
PLF1-36	14	115V AC	14	FB1-F17-LOAD, PLF8-13

TS-2 CLOCK CHASSIS (RIGHT SIDE VERTICAL)

	a		b	
PLF3-72	1	INPUT	1	R3
TB8-AH, TB4a-2	2	+100V	2	#
SHIELD PLF3-73, TB5a-3	3	OV_a	3	
TB9a-5	4	FIL. SUPPLY	4	V1-V11
TB9a-2	5	FIL. SUPPLY	5	V1-V11
	6		6	
	7		7	
TB6a-10	8	-160V	8	#
POOA, J54E	9	RC INPUT	9	V9-9
TB5a-7	10	OV_c	10	#
TB6a-7	11	-20V	11	CR-2
POV	12	READ COMMAND•CJ	12	#
L4-2	13	+250V	13	#
TB5a-5	14	OV_a	14	#

NOTE:
= SUPPLY VOLTAGE FOR CLOCK CHASSIS

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	POOZ, POZ
WP	2	WRITE PULSE	2	PLF17-14, PLF21-30
WPR	3	WRITE PULSE RET'N (-20V)	3	POE, POOE
SPR	4	SHIFT PULSE RET'N (OV_a)	4	POOH
SP	5	SHIFT PULSE	5	BUSS, LOGIC PANEL LEFT
CPR	6	CLOCK PULSE RETURN (OV_a)	6	POH
CP	7	CLOCK PULSE	7	MASTER CLOCK (BUSS, LOGIC PANEL RIGHT)
CP	8	CLOCK PULSE	8	MASTER CLOCK (BUSS LOGIC PANEL LEFT)
RC	9	READ CLOCK	9	READ CLOCK (BUSS, LOGIC PANEL RIGHT)
RC	10	READ CLOCK	10	READ CLOCK (BUSS, LOGIC PANEL LEFT)
RCR	11	READ CLOCK RET'N (ADJ. VOLTAGE)	11	POK, POOK
RCC	12	READ CLOCK CLAMP	12	POL, POOL

TS-13 PUNCH MOTOR

	a		b	
PLM15-11	1	115 VAC	1	YELLOW (PUNCH MOTOR)
(PL15-12), PLF16-U PLF16-V	2	115 VAC	2	SWITCH 1-2

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