SIGNAL ANALYZER SYSTEM VOL. A PFX ALL SERIALS SYSTEM SERVICE MANUAL HEWLETT PART NO. 05480-90012 (MANUAL)

Table 4-2. Wiring Lists (Cont'd)

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PAB	T G 5485A (CONT'D)			۲		ه		~:		ey	-77	~		ý	.,	,		•	7	, .	· · · · · ·	
	//	/	<i>"</i>	Talign Lines	<i>§</i> /	/		7		/	/	/		/ "}/	9/	/ /	/ /	/		/ /	/ /	/	
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91	MCS INPUT	P27(49)					(3	14		49	$\overline{}$	10:					,				From Rear J91 MCS In
•	PLOT	P27(45)			, .	•		4 '	14 *	·		45		1.			•						From Rear Jay Plot
93	LRECORD).				,	21		·	40							•		30	•	From D&F. F. Line 24
94	EXT	P27(15)					.*		18	7		15 '								,	Ö		From Rear J4 (Sample In)
95	z axis	P27(41)	٠.	,	, ,				z			41											From Display Line 21
96	SWEEP VOLTAGE	A7(0)	`					,	8		,	23				if .:		y :				e (To Rear J19 Sweep V. Output
97	POSSYNC OUT	Á7(1)	,	,		,			1			39		-,	,					. "		27	To Rear J8
90	neg sync out	A7(7)			,		4	,	7			14											To Rear J7
99	MCS COUNT UP	A7(4)			•		ļ		4				/	٠,,								2	To LPI Line 90
100	SAMPLE	A7(22)				۶.			22	-26	-			i ²		ļ	Ų					1	To LPI Line 41
101	SEEK	A7(13)		··		<u> </u>			13			44			•	,				<u>. </u>			To Rear Panel J13
	.0	1					Þ						σ.		Å	٠٥,			, ,	•		<u> </u>	
540 Ser	ials Prefixe	1 052- and	pelow			٠ و					<u> </u>							, ij					
79	C.S. ATTACHED	P27(19)			15,5		14				<u> </u>	19	,				•			;			From EXT Source J15(u)
wh	ing in 5485/	not change						· *								•	,					·	
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PART H = 5486A/B Table 4-2 (Cont'd)

This part of the table is divided into two sub-parts. Sub-part H1 lists signal connections for the 5486B; sub-part H2 lists signal connections for the 5486A.

The signal list for the 5486B was derived from the list for the 5486A. Signals that are the same for both the A and B models have the same line reference number. Note, however, that there is not necessarily a line-for-line correspondence between the two lists; in some cases, a signal that appears in the 5486B only may be listed where a signal that was only in the 5486A was "deleted". All signals referenced from other lists (other portions of this table) keep the same reference for A and B models. Blank spaces in the B list occur because of signals that were in the A model only, with no replacement signal in the B model.

Table 4-2. Wiring Lists (Cont'd)

County Pai(19) S. C 10 10 10 10 10 10 10	. <u>- 4. 29</u> 15				- 4				,				A			·	*				Maria de Caracita		-	
1 -12V P21(1) 2, B TO R1 2 -12V P21(1) 3, C TO R1 3	PAR'	r H1 5406B	CONTROL (LOGIC	PLU	G IN)	Wiring	g Dieg	ram:										υ.	:	u_{-}			
1 -12V P21(1) 2, B TO R1 2 -12V P21(1) 3, C TO R1 3		Signature ().	Sales Sales															./3						REMARKS
2 - 12V PŽ(12) 5, C		•	Ġ														<u>(</u>							
S. PAIN A PROPERTY A PRO	-						,	├ ·			•	,								#_				
GROD 0,100 22, 2			,			3							-	<u></u>										From M. F.
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-EXTRIC SSAF(s) 15	5	NEG EXT						• ,		,	D						0.10				4			. 33
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THICGER 11 5	П	TRIGGER		r									. :						•					
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DECAY R2	10			G											l .	12		43		,				
DELAY DELA	11	PAD OFF		13_	,													٠						
4 CHAN A P24(13) 16	12	DELAY	. بلا	0						ļ.,	· 						3							
5 PADEN A1(31) 15	13	SYNC	P24(14)	14	ļ	ļ											<u> </u>			14	30_			Not Heed
5 FAD DIN AL(15) 15 6 SYNIC AL(21) 21 7 PRADKS SSAF(s) 2 8 PRADKI SSAF(s) 3 9 PRADKI SSAR(15) 4 9 PRADKI SSAR(12) 5 1 PRADKIC SSAR(12) 5 1 PRADKIK SSAR(6) 7 2 PRADKIK SSAR(6) 7 3 SYNIC SSAR(13) B 4 SYNIC SSAR(13) B 5 SYNIC SSAR(13) B 6 SYNIC SSAR(13) B 7 SYNIC SSAR(13) B 7 SYNIC SSAR(13) B 8 SYNIC SSAR(13) B 9 SYNIC SSAR(13) B	14	CHAN A	P24(13)	16	ļ 															13	<u> </u>			Not Used
SYNC A1(21) 21	15	PADEN	A1(15)	15	 	<u> </u>		ļ			•.		τ,.			13							1	
7 FRADK2 SAAF(3) 2 8 PRADK1 SAAR(15) 4 9 FRADK1 SAAR(15) 4 1 PRADK10 SAAR(12) 5 1 PRADK10 SAAR(0) 7 2 PRADK1K SSAR(6) 7 3 SVTK12 SAAF(2) B A SIVTX5 SAAF(1) C 5 SVTK1 SAAR(15) D 5 SVTK1 SAAR(15) P 7 SVTK100 SAAR(0) F	16	SYNC	A1(21)	21			4	 					l	<u> </u>	,	M								
0 PRADKI SOAR(15) 4					2				<u> </u>															
0 PRADKI SOAR(15) 4	18	PRADES -	EOAF(3)	<u> </u>	3			-		-		·					-							
1 EPADX100 S3AR(9)				-	4	<u> </u>				3											<u> </u>	_	,	
1 PRADXIM SARIO)			Ì		5	-	ļ	-	-	 		. 1	7	<u> </u>	<i>.</i>		•							
2 PRADKIK SAR(6) 7 3 SWTK2 SAAF(2) B 4 SWTK5 SAAF(1) C 5 SWTK1 SAAR(15) D 6 SWTK10 SAAR(12) E 7 SWTK100 SAAR(0) F			[_		+	 			<u> </u>		. ,)	<u> </u>								<u> </u>		}
A SIVEXES SAAR(I) C							 	<u> </u>	-	<u> </u>		`		 				·						
A SIVINS SAAR(I) C 5 SIVINI SAAR(IS) B 6 SWINIO SAAR(IN) E 7 SWINIO SAAR(O) F			}					-	-	ļ			<u> </u>	 										• .
6 SWTK10 S4AR(12) E				-		-	 	-	 	-			<u> </u>	 										``
7 SWTX100 S4AR(0) F						 								<u> </u>		•			*				-	n n
G SWTX1K G4AR(0) II						<u> </u>		<u> </u>	-			,		ļ			<u> </u>	<u> </u>		្វ				
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0 10USB AS(16) 7 16 1 1 A						10						n.		<del>                                     </del>	·········			- 1					•	
10/4 cA A3(15)	,							-					15						•	-		<u> </u>		

Table 4-2. Wiring Lists (Cont'd)

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				E.																				REMARKS
		REBET	AS(17)		U	17		<u> </u>						,		<u> </u>	<u> </u>		<u> </u>	/		- *		
		CLEĂR	A3(14)		n'	14			0					4	,									·
		TBBI	V5(F)		1.								į.	;						32	, .			To API
	Я	TBD2	VSGZ) _è		L.									., 1						33 ,	8			To API Line 29
		PRE- SAMPLEA			v°	3	·			,									•					· ·
,		PRE- CAMPLE B				6						ĸ.	W		,		4∑: <b>4</b>						·	•
	f 37	20 MHZ CLOCK	P22(24)			11		, .								, .	4	24		,				From MFL Ling 19
	38	RECET TB 1	Λ18(P) ,			160	*						20			P	1			39	14			To API Line 90
	30	Mesl	A13(J)		,	20		,								J			46			1,		To Ext Source J16(fi)
	_40	RESET TB2	<u>\0(120)</u>						20_											,				
	41	SAMPLE	P24(1)			4	November 1.	<u> </u>	٤.									1		1	26			From MPI Line 100
1.	42	enable Ext tb	840R(10)			<u>s</u>	Sic.							_					16	31	6			From J15 (HH) J16(HH) Rear
·	43	10 MHZ CLOCK	A3(J)			J						.,			J .		•			16	41			To API Line 80
	44	TBI	V3(F)		ļ	J	10_						<u></u>								<u> </u>	<u>}                                    </u>		
	45_	TB2	A3(M)			м	<u></u>							_	, ·		·					<u> </u>		
	<b>4</b> 0	TB3	V3(M)			N	12							-		٠٠								
	47	TB4	A3(P)	ļ		p.	13									. · ·	٠	,		<u> </u>		7.0	`	
	413	<b>T</b> P5	A3(R)	<u> </u>		R	14						<u> </u>					,	<u> </u>			<u> </u>	<u> </u>	
	40	Tes	A3(S)	ļ	ļ	s	15				ļ					•	<u> </u>							4
	_50	TB7	<u> </u>		<u> </u>	T	16				<u> </u>	ļ ·	7.5		<u> </u>				<u>. , </u>		· 			
	_51	TES	A3(U)		<u> </u>	U.	17	<u> </u>		ļ	<u> </u>			**	<u> </u>	,		. 17	. ,		<u> </u>	<u> </u>		
	52	ፒፁዓ	A3(V)		ļ	v_	18		<u></u>						,	<u> </u>					<u> </u>			,
	53	TB10	A3(V)	_	<u> </u>	W	19			ļ		ļ				<u>.</u>			<u> </u>		<u>.</u>		_	*
	54	тви	A3(X)		<u> </u>	и	20		٠	ļ			_						_	<u> </u>				
	_55	TB12	V3(X)		<u> </u>	x	21 -	<u> </u>		ļ	<u> </u>		<u> </u>		 				,		<u> -</u>	<u> </u>		- /L
	56	<i>ፓ</i> ስ	A4(E)		<u> </u>	,	R_	5	5	5					• •			45	_		_	ļ ,	_	6
	57	T2	A4(F)		<u> </u>		r	6	6	6							, ,		-			ļ		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	50	T4	A4(H)	<u> </u>		<u> </u>		7	7	7	<u> </u>			ļ <u> </u>					ļ					1 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
		712 ^{^.}	Λ4(1)		<u> </u>	· '	) 	n	0	0	<u> </u>		<u>H</u>			<del></del>	i.			10	44		<u> </u>	To API
	_60	T14	<u> </u>			-	R	ი :		9							, ,	<u> </u>		<u> </u>		<u></u>	,	· ·

Table 4-2. Wiring Lists (Cont'd)

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PAR	т н1 5486В (	(CONT ^J D)					•									. *						(	
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61	T16	Ag(L)			•	L			1				_		1								
	T26	A4(M)				М	10		10						18				_	្នែ	12.		
63		A4(N)				N N	12		12		,				٠.		1,						
	T34	A4(P)				p	13	13	13								1	,					
	T36	A4(R)				R	14	14	14				· <del></del>								)		
	T40	A4(S)	ì		<i>y</i> -	s	15	15	15			14											· · · · · · · · · · · · · · · · · · ·
	ya ma Tanggar	A4(T)	′			т		16	16							۱,				i			
	T50 1	A4(U)				Ω,	17	17	17	·					٠			_			,	· Đ _p	
	T60	A4(V)				<u>v</u>	18	18	18			· ·		,							-		·
70	T80	A4(W)			ļ	Ω.	19	19	19												<u> </u>		
71	T06	A4(35)				x	16	ļ	20														
r	T80	A4(Y)				Υ .	21	21	21	<u> </u> -	I.			3									
73	START,	A5(P)					p		 			ļ 	14	.—				ß	44	19			API Line 27 EXT Source
74	PRESET TOTAL 10	S3AF(1)				2 -	-										15	1					To MFL Line 133
	PRESET TOTAL 10 ³ PRESET	·	,			3		13	_ ^	<u> </u>					·		1R_						To MFL Line 194
	TOTAL 10°	T	ļ. 			4				ļ							17		. *			_	To MFL Line 195
	PRESET TOTAL 10 ⁵ PRESET		<i>-</i>	-		5	<u>.</u>		<u>-</u>			<u> </u>					18						To MFL Line 136
	TOTAL 10			<u> </u>		6	,										19			_			To MFL Line 137 To MFL
79	TOTAL 10	S3AF(6) *		<u> </u>		7								į¥.			20						Line 130
	SWAVE	S1AF(3)		<u> </u>	•		Е	p_	3		2	<u>,                                     </u>							27			4	To API Line 16
	DISPLAY	A0(20, 11)			<u>.</u>	_	ж		X.	20, 10		7		<u>'</u> ——			-		- 64				
	sum	A0(16, T)			,		T ·	:	T	16, T				<i>;</i> 45.			\	.	•	-			
03	AVE	A0(15, S)				- 1,5	8	8	ន	<b>65,</b> S	,				JI.	-0	+	•		, ,		<u>'</u>	
84 ns	LSTARTA	A in(p)				•	<b>D</b>		2		<u> </u>					1	~						
	SENS MULTA						₽	_	<u> </u>			<u> </u>			11			34	D		- 5		
	PREPARE						4 Y	¥	Tr.	21, X	n		₩ G	15				•	· ·	·		•	
	nist	An(10, V)	<b></b>	•		<b></b>		R	v	10. V		18	3	, j. j.	П			·					,
09	CALABIAN_	CALIFORNIA V			,		V		V	Mis V			2 0									~	
	MCS COUNT UP	P24(2)					J	1						,		i			2	27			From API Line 99
·					The same	اسب	·	. ,						·					است	لللان			and an

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PART	C•H1 5406B (	CONT'D)			•												* · ·					,	
			To the last of the										Salan Sa										REMARKS
91,	SWMCS	81AF(7)					<u>D</u>	<u>.</u>	P		D.	·			L.				26	1			
	MCS	A8 <b>(U)</b>		ú			ט	U	บ ์	17, U			)	٠	15		<i>ξ</i> *		ي. ار		ļ.,	<u> </u>	14
93	HIST END	A8(19, W)_	,				W	W	W	19 <u>. ty</u>	N_	10		,				.`	-				
94	P/D	A10(E)					c	R	4		12	Е			<u> </u>		,,					7. 7.	
05_	, ADVPARI	A9(E)		, je'			F				E									<u></u>	-		
08	PRESET SHIFT CONT	АБ <b>(3)</b>					3			· ·			14			_		,					\$.
97	START- SHIFT	A5(2)					2	4		ı				T.Y			*				<u> </u>	Note:	Reset Preset Reached[A12(T
_98_	SET/SCALE NUMBER	A5(L)				_	7.	· •						r				•		ļ.,			·
<u> </u>	CLEAR HOLD	A5(N)	<u>L</u>			<u> </u>	N	-					13								ļ	-	
<u> 100</u>	COUNT UP A	A5(M),					м										9			;		`	To MFL Line 20
101	ADVANCE PAR 2	A5(R)					Ř	`		£ .		<u> </u>		ļ	U .				-			,	
102	sivsum	81AF(1)			<u>.</u>		<u> </u>	N,			3						[		20	3			Not Ured
e 103	ADCEIN_	P24(5)					<u> </u>					В							5	30	• 1	•	From API Line 84
104	ADCEM	٩		<u> </u>		,	<u> </u>	м				С										- <u> </u>	
_105_	EXTAVE	P23(2)	<u> </u>		ļ		ļ ·	<u> </u>		в		ļ		<u> </u>	ļ. 			2		<u>.</u>	-		
<u> 106</u>	EXTERE		_				·			c					· ·								·
, 107			ļ				ļ															_	<del>-</del>
108	ENCLLP & ENCT PAR	A6(B)	Ŀ		0		<u>.</u>	В				ļ				 	6,31		<u> </u>	1			To MFL Lines 11.143
100	CLEAR- PAR A	A6(F)						F				ļ				4	38			ļ .		~.	To MFL ⁴
<u>110</u>	H	A6(D)	ļ. -	ļ			Ļ	D	ļ	:				М				12	1	ļ	ļ		To EKT Source J16(P)
111	SET IN MPX	A6(E)	1			_	ļ	ß_:_		<u></u>		ļ		ļ					36		<u> </u>	ļ	To API Line 44
112	SET PARA	A6(C)				<u> </u>	<u>                                      </u>	C		-	<u> </u>	<u>                                     </u>		•	В		30	<u>.</u>	<u> </u>				To MFL Line 157
	Set sweet Num	A6(H)			_	_	a	н	<u> </u>			<del> </del>	<u> </u>	6				<u> </u>	<u> </u>	_	ļ	<del>                                     </del>	`
114	INHIBIT - STATE	,	ļ		ļ	_	<u> </u>	.3	<u> </u>	м .	_	<u> </u>		<u> </u>		ļ. 	_			ļ	-	ļ	
115	ALLOW-	·	ļ		<u> </u>	<u> </u>	<u> </u>	K		ļu_	<u> </u>	<u> </u>	ļ.		<u> </u>	<u> </u>		ļ. 	<u> </u>		] <u> </u>		
116	LSTOP	A 13(14)	<u> </u>	<u> </u>			ļ .	2		12	<u> </u>	F	6	<u> </u>	14	<u> </u>	· 	ļ	34	ħ		<u> </u>	Not Head
117	RESET ADC	A7000				ļ			<b>ў</b> —	_	<u> </u>		<u> </u>		_		ļ	<u> </u>	45	<u>20</u>	<u> </u>	_	To API Line 30
118	SETMSB	A7(L)		<u> </u>				ļ <u></u>	Į,	<u> </u>		ļ	<u> </u>	ļ			ļ	4		<u>[</u>		<u> </u>	To Memory Uno 30
119	CYCLE	A7(D)		;		_		<u> </u>	D_	<u> </u>	<u> </u>		<u> </u>	ļ <u>.     </u>		<u> </u>		20 1	<u> </u>	<u> </u>	ļ		To Memory Line 37
120	CLEAR 1	A7(E)					,		E							<u> </u>	7	ļ. 	ļ, <u> </u>		<u> </u>		To MFL Line 12

SETHET.

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STATE" G ENABLE

CHAN 137 OK

130 LDEEPLA

START 143 PBH / P23(33)

A10(10)

P23(31)

PART H1 5406B (CONT'D)

PART H1 5406B (CONT'D)

REMARKS

121 SET VERT A7(K)

R

M

17

Line 45

Mem Line 25

122 SET HORIZ A7(K)

R

EMSHIFT

123 RIGHT

A7(3)

J

Line 7

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PAR	T H1 5488 (C	ONT'D)		•		9	<b>.</b>	•			\$			- 1°	12 3				,				
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15.7		<u> </u>					3/48	3/8/	/9.	6	/A E	18/		3/8/5	13/2		\(\lambda_{\hat{q}}^{\hat{q}}\)		Z. T		_	_	REMARKS
151	DIEPLAY S	P23(33)									16	<u>.                                    </u>	<i>.</i>					33			* •		From LD&FF Line 21
152	REČORD PBH	P23(34)		ء رافو						-	17	·					: در م	34			•		From LD&FF Line 22
153	LSTOP	P23(40)					•		•	*	15				Y .	,	.5.	8, 40	15	40			From LD&FF Line 20 to J1S(P)
154	SET- L START	(X)QA									ж							26	·	4			To LD&FF Line 29
155	<b>*</b>				a.		4.	.,						,	,						•		
156	SET - L STOP	A0(W)			*******					,	w							30					To LD&FF Line 27
157	SET -		ž		Ţ ^Ę						U						,	3, 26					To LD&FF Line 23, and JIS(U)
150	SET -										v	1					,	29			.* -		To LD&FF Line 25 .
150	FREO - HIST,	P24(42)	*		, 11	. , .,			Ţ	6		4				,			42 .	17			From API Line 86
160	TIME -	P24(43)					<u> </u>		`			6	,				·		43	18	•		From APE Line 87
101	,				-			<del>.</del>			<u> </u>							1					٠.
162	DISPLAY DEFEAT	P24(37)	10	2	įņ.			10	<u> </u>		٥	8					4º	-	37	12			From API Line 62
163	PROCEES	A13(N)		à			<del></del>		-			м		۶,	72						4.05		•
164	ADVANCE	A10(U)	<u> </u>	<del> </del>	-	1						ט			17					,			4 (7 <b>8</b> )
	ADVANCE DAR + 1	A10(R)				「						R			, '		27			-		<del>                                     </del>	To-MFL Line 104
			<u> </u>	-			<u>.                                    </u>			ļ					*				40	15			To API
	START	A10(9) A12(8)				<b> </b>			,			9	J	0					40	15	•		Line 17
	SC2	A12(0)				<del>                                     </del>	 						K	9	-	-,							
$\Box$	SC3	A12(10)	·	<u> </u>		<u> </u>							L	10			-						
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	SC4 8C6	A12(11) A12(12)		<del>                                     </del>		╁	<u> </u>		<del>                                     </del>				N	12		<del></del>	<u> </u>	<u> </u>		<u> </u>	-	X.	
		,		<del>                                     </del>		<del>                                     </del>	<del>                                     </del>	_	ļ	_	-	╁		1	ر ،	٠	<del>                                     </del>				,	<del>                                     </del>	•
	506 507	A11(P)	·}	<del>                                     </del>	-	<del>                                     </del>		ļ	•,	₹.	·	<u> </u>	P	13	<u> </u>		<del>                                     </del>		<u>}</u>			-	
<b> </b>	SC0	A11(R) A11(T)	_	-			-			-		<del>  ``</del>	R	16		1		فلا	<u> </u>	,			1
	SC10	A11(U)	<del>                                     </del>	<del> </del>		<del>                                     </del>	17	-	-	<del>                                     </del>	-	<del> </del>	U	17	<del></del>	-		<del>                                     </del>	-	-	<u> </u>		Я
	7		<del>                                     </del>	<del>                                     </del>		-	ļ					<del>                                     </del>		1		<del>                                     </del>	-	-	7,	<del>                                     </del>			
	S¢11	A12(18)	-	<del>                                     </del>	<del>                                     </del>				<del> </del>			<del>                                     </del>	V	18		<del>                                     </del>				-			· · .
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178		A11(X)		-		-	<del>                                     </del>	-	<del>                                     </del>	-	,	<del> </del>	35	20	-		<u> </u>	-	ļ		8	$\vdash$	From API
179		P24(10)	-	╁	-	╁	-	<u>.</u>	<u> </u>	~	<u> </u>	-	15	<del>                                     </del>	-	-		<del> </del>	10	35	-	<del>                                     </del>	Line 34 From API
180	9 BITS	P24(11)	1	<u></u>	<u></u>		<u></u>		]		<u></u>		16		ا	<u> </u>	(2	<u> </u>	11 -	36	<u></u>	<u> </u>	Line 35

					<u>.</u>	96	·····		<del></del>		· '	· ———	- 3							*			$r^{n^2}$
PAR	T H1 5486B	(CONT'D)	<del>-</del>	ري.	· //	· .							•						<u>.                                    </u>	•			V C
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	SWEED			<u>y</u>	<del>/</del>	<u>"</u>	7		7		1	1	7 '	<u> </u>		<del>} ~</del>	1 2	<del>/ &amp;</del>		<u>/ s</u>	<del>/</del> _	/	REMARKS
	NUM 2 ⁰ SENS MULT 2 ⁰	S0AF(17)	<del> </del>	-	+	+	1	-	-	-		<del>                                     </del>	1	2	-	├	-		-	<u> </u>	-	<u>  •                                     </u>	3
	SWEEP .	S2AF(14)	<del> </del>		-		,		-		-		-	В	1.			*	-	_	-	-	
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	MULT 2 ¹ SWEEP	S2AF(15)	<u></u>		PO.	-	+	<del> </del>			-	<del> </del>		С	1	1				<del> ,</del>		-	<u>, , , , , , , , , , , , , , , , , , , </u>
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	L DISPLAY	1		<u> </u>	<del>                                     </del>	-	<del>                                     </del>			-		<b></b>		7					3		-	_	то ЕКТ
	SHIFT I	A12(P)											_	L.				11		<u>                                      </u>			source J16(r) To MFL
	CLAC19 SETAC 18	A12(W)_	<u>├</u>		-		<del> </del>							W			8		] [-		<u> </u>	_	Line 14 . To MFL
	Main Srq	P23(43)	<b></b> -		-				<b> </b>					**	7	-	14	43		•	8	,	Line 215 From EXT _ source J16(k)
,	SUB SRQ	P23(44)								·					8			44					From EXT
105									٠,			-			الخ.			23		**	- ¥		source J16(m)
ा 198	AC19	P22(22)												ж	<i>72</i>		22						From MFL
197	ENABLE PAR TO HOLD	P22(41)			,										3		41						Line 96 From MFL
$\neg \neg$	PSD1	P22(45)	_	7					· S			. ]			D	1,	45		· 😘		-		Line 150 From MRL Line 141
199						•		مم				·	T.			•	12						Dine (4)
	RECOND PBM	P23(47)						ζ,	*		,	4			v			47	,				From LDGFF Line 18
	MBSSL	A13(11)							j			***************************************			н	•		45	`				To memory a
202	not Assigned							•	7												,		NOT ASSIGNED
203	SET DAR B	A13(5)	·									;			5		48						To MFL Line 158
	ENABLE DAR TO HOLD	A13(C)					,					. ]			С	٠.	40	,	: 4		^	Į.	To MFL Line 151
305	ADVÁNCE PAR + 1	A13(T)								`A .					Т		32			•	V		To MFL Line 105
:03	ADVANCE PAR - 1	A13(16)	·,	,									· ]		16		35					•	To MPL Line 187
207	CLEAR DAR A	Λ13(20)		,			<b>(</b>		<u> </u>			·			20		20	48 1k					To LIFL Line 154
	en Lifter	A13(\V)					,								Ü	`		24					To rear J30 (pen lift control)
00	W MET	A13(F)	1		<u>ئ</u> 	_		<u> </u>						D.	F	•	47	13		• .			To MFL Line 190 To MCM Line 40
10	ONEN SO	P22(37)				1.1		Ł								,	37, 12	·				٠,٠ `	From MFL Line 191 to MFL Line 22

	. 3						•	Tab	le 4	-2.	Win	ing	List	s (C	ont'	d)		····		<b>\</b>		***, P	
PAR	T H1 5406B	(CONT'D)		<del></del>	/	7	7	7	7	<u> </u>	7	7.	7-	7	· •/	· ·	<i>)</i>	7	· ·	7	<del>,</del>	·	<del></del>
																							REMARKS
211	GD UP 20 MHz DAR	<b>P</b> 22(30)										a	·				36, 10			<u>.</u>		E.	From MFL II 189 to MFL II
212	SANC TINE	P21(3)	13		,											3		) )					From myr supply to S5AF(3-32)
213	CAL E ZERO	P23(15)		<u></u>	<u>  , </u>	<u> </u>		11										15					
214	RESET · HORIZ	A0(12)			<u>  .                                   </u>		<u> </u>	12			<u> </u>	,	<u> </u>	6	Ŀ			21					
	T94	A4(B)		*		В		٥		ψ	5				K					,			
16	SAMP OUT INH	A19(L)	<u>.,</u>		<u> </u>	<u> </u>			_	ļ .	5 (A)	L		ļ <u></u>		<u> </u>		23		<u> </u>	_		To rear pane J5
	SHFT 1 PEN LIFT	A11(Y)	<del></del>	_	<u> </u>		<u> </u>	ļ	<u> </u>		ļ		Y	н		_							
18	RETURN	A19(21)					<u> </u>				<u>.</u>	<u> </u>	<u> </u>		21	·	<u> </u>	22		<u> </u>			<u> </u>
	grade de la companya				ļ	-		_	<u> </u>	ļ		<u> </u>		£	<u> </u>		<u>:</u>			-	<u> </u>		,
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P/	.ŘТ НŹ 5486A	CONTROL	(LOG	IÇ PL	UG-IN		<del></del>				12						<del></del>	<del></del>	•	<del></del>		1	
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	Sign Files		SST A				/ ,	/: ]			/- ,		1	/	/_		/.,	/	/ ,			<b>[</b> ;	
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. 🖊	<del>*/ **</del>	<del>/ . "</del>	_	<u>"</u>	<u> </u>	<u>"</u>	_	_	4	<del>/</del> _	/~ <u>{</u>	<i>y : \ \ \</i>	<u>~</u>	$\leftarrow$	/~ <i>!</i>	<u>y «</u>	/ Z.	$\leftarrow$	/ ₃ 43	<del>/</del> 5	_	<del>/-</del>	REMARKO
• 1	+12V	P21(4)	2, B	—	ļ	ļ	<del> </del>	<u> </u>	ऻ_	<del> </del>	35		<u></u>			4	ļ	<u>  `</u>		<u> </u>		<u> </u>	To R1
2	-12V	P21(12)	3, C	<u> </u>	<u> -</u>	<u> </u>	<u> </u>	<u> </u>		<u>  .                                    </u>	<u> </u>	·  - <u>-</u> -	<u> </u>			12	<u> </u>	<u> </u>	<u> </u>	<u> </u>	ļ	<u> </u>	To R1
3	+5	•	1, A		18 e		<u> </u>		Ě		上	T				2					<u> </u>		From MF power supply
4,	GRD	(1, 9 P21 8, 16	22, 2	<u> </u>						· ·	<u> </u>					1, 0 8, 16		1				<u> </u>	
5	NEG EXT TRIGGER	S5AF(4)	10				1		•		. 12			l									
Ğ	+ EXT RIG LINE	S5AF(6) S5AF(2)	19, 20																	ľ	·		,
7	INT TRIGGER	S5AF(8)	17						1	1			<u> </u>			ļ				<del> </del>	,	<u> </u>	
	TRIGGER INPUT	S5	4		<del>                                     </del>	T				, ,	-	<del>                                     </del>			-	ļ .	<u> </u>	<del>                                     </del>		<u> </u>		广	From Jt thru S10 & S5
. 9	TRIGGER. LEVEL	Ri	5 🖯	Time A	<b> </b>		₹7	:		<del> </del>	1				<u>                                     </u>		ļ			<b>†</b>		4.	
10	COUNT UP PAR C	P22(43)	6	J., J		1	<del>                                     </del>	╁┷	<del>                                     </del>	<del>                                     </del>	<del>                                     </del>			•	12	<u> </u>	43		<del> </del>	╫	•	<u> </u>	From MFL Line 212
	<u> </u>		<del>                                     </del>	-	-		-	-	<del> </del>	ļ	1 1		<del> </del>	·	16		40	<del>-</del>			• •	-	Time 212
/11	PAD OFF POST ANAL	57	13		<del>                                     </del>		<del> </del>	·	╁	<del>                                     </del>	<del>                                     </del>		<del> </del>	,	<del> </del>		<del>                                     </del>	<u> </u>	_	<del> </del>	-	┝	
12	DELAY PLUG-IN	R2	8	`-	-		├	├	╀	├			-		<del>                                     </del>		<del></del>	<u> </u>		├	•	<u> </u>	
13	SYNC CONT	Y	14	<u> </u>	<del>                                     </del>		-	<del> </del>	├─	-		-		 			•	}	14	39		<u> </u>	Not Used
14	A	P24(13)	16			_	<u> </u>	*	<u>                                     </u>	-	-		<del> </del>	<b> </b>					13	30	4	<u> </u>	Not Used
15	PAD FIN	A1(15)	15	<u>.                                    </u>			• •	ļ		<u> </u>			*		:3		, •	•	<u> </u>	<u> </u>	ļ	<u> </u>	
16	SYNC	A1(21)	21				<u> </u>	ļ	<u> </u>	Ŀ		s	<u> </u>	•	м							<u></u>	`
17	PRAĎX2	S8AF(4)		2					<u> </u>			<u> </u>		`		7.	,		<u>`</u>				
18	PRADIS	S6Å-F(3)		3		:			<u> </u>	. 1		,						~					
19	PRADKI	SSAR(15)		4														,				·	æ
20	PRADK10	SSAR(12)	, r	5		,							•			,					-		
21	PŘADX100	SUAR(9)	Ĭ	G				•		•	·							•	, f.,		į	7.3	8
22	PRADKIK	EOAR(O)		7		ļ.	. ,		,	<u> </u>	9	.43	· ·	\$4.			-	-		İ	-	<del></del>	o.
23	SWTW2	S4AF(2)		ъ									<b> </b>	``	2 2 2 3	* : :	+				•		
<del></del>			1	C					<u> </u>	MET.	┟								<u></u>	. :	- *: ;	<del> </del>	1.5 P
24	SWTX5	84AF(1)			0		<del>                                     </del>	~	<del>                                     </del>		·		┟─┤	-		• •	11.		\ .	<u> </u>			
25,		54AR(15)		D ·					• 4	. 1	· .	<u> </u>				c.	`		<del></del>	<del>                                     </del>	<del></del>		•
<i>"</i>	USWTX10	S4AR(12)	,	Е	<b> </b>		-	ļ	<del>                                     </del>	<u> .                                    </u>	┞─┤	<u> </u>									<u> </u>		
27	SWTX100	84AR(0)		F.				<b> </b>	<b> </b>	<u> </u>	<b> </b>												
, 20	SWTX1K	S4AR(6)		Н					<u> </u>				• -						<u> </u>				
8.	<b>.</b>		Ι.		_	- 1	i l		• '	l٠ :	. 7		. 7		1					. 1	1	. 7	4
20	10µзВ	A3(16)		T	-16	<u> </u>				<u>.                                    </u>	0	;					* #						

_						_ 1	•									· .	·	١١				 		<b>)</b>
	PAI	T H2 5488A	(CONT'D)		4						<b>,</b> '-			<u></u>		•		•		•	•	Þ		0
												//		A STATE OF THE STA										REMARKS
, I	91	RESET :	A3(17)		υ	17			,					•						(1)		.,	,	
	32 ·	CLEAR	¹¹ ЛЭ(14).		R	14					3120	,					a .		Ţ		•	·	• • •	· 55
	99_	T381	V3(F)		L				•					٠			•			32	7 }	<b>31</b> 70	,	To API Line 28
	34	TBB2	A2(K) .		ali,						,			,			, ,		,	33	8		. ,	To API Line 20
	36 •	Pre- Sample a	A2(V)		v	3						<u>'</u>		,	,	-					,	·	,	
	30	PRE- Sample b	A3(6)		273	G							W	۲ ،		'n				.e.			۶۱,	` ` .
	97	20MHZ CLOCK	P22(24)	2.7	7.	11	100											24	•					From MFL Line 10
	30	rėset TB 1	Л13(P)			19			•				20			p		e		39	14			To API Line CO
	80 ⁷ ,	mesl	A13(J)			20				9.4				1	谚	J			46			•		To EXT Source J16(II)
	40	RESET TB 2	AG(20)			21	.•		20					. <b>5</b> 9.:	7	y .			Ç.			,		
	61	Sample .	P24(1)			4				4.						. * .		ļ		1	26			From API 1 Line 100
	42	ênable Ext tb	S4AR(10)			2	Ð		•				4	ä	•		•		16	31	6		a 5	From J15(HH) J16(HH) rear 、
١.	43.	10MHZ.: CLOCK	A3(J)			3	2					)	. Egent		ź			#17		16	41		<u> </u>	To API Line 80
	44	TB1	A3(L)			L	10		t,					•				,	海	1		٠,		
	45_	TB2	ŘŠ(M)			M	11					<u> </u>						<u> </u>	,					
L	46	TB3	A3(N)			N.	12								- 1		4	ſ		2	`		*	u.e
	47	TB4	A3(P)			p̂,	13	e	,		, l ,	,	•		,			,					. 3	
Ţ	40	TBS)	A3(R)			R	14								<b>.</b>	>	,				E-AR Gr			
		TEG	A3(S) ^{(**} .			S	15			,			- J. S.A.				*		•				Ŀ	13.
	50	твү 🦙	A3(T)			Т	, 16			·							·		. •		<b>L</b>			71
	61	TES	A9(U)-			. บ	17		·									3		61			1	- 60
وا خ غ	52	тво	A3(V)			v	10				is a		>-											37
	63	TB10 ,	A3(W)			w.	. 19.	۰	á				• :	. o			٠		٠.		•			
	54 54	TBII ,	A3(35)			1K	<b>.</b> 20					<u> </u> '	4 .00¢	<u> </u>		1	,			o				rice (fig.
,	66	TBi2	A3(Y)		•	Y	21	<u> </u>			( ;5	Ę		ļ			,		,					
	56,	<b>T</b> 0	A4(E)			5	¥E	ი _ს	5	5		1, 15	,	,			•		•					
	57	T2	A4(F)		,		,F	6,	Ģ	G,		Ϋ́			; <u>;</u>	: <del>-</del>	b	e-s •	-	`		o		,
	50	T4	Э A4(H)			.,	H 5	7	7	7	`	ĵ.,				ږع		. 4				<u> </u>		
	50	T12	A())		, ,		J	0	8	8;	,		H.				,	.6		19	44			To API Line 18
	00	Tis	A4(K)				K	. 9	,	9		*				_{\{}}	,	<i>"</i> " ,						

	PAI	RT H2 5486A	(CONT'D)	•					· .	٠.	-Z.	1×	,			· ·	*	• •	•	.4	: . **** .*			
	•	1/1/	. ,	7	: /.		7	13	7	7		/, /		8	7.,	7.,	7	7		/	7	7 .	7	777
				SE				/s.						N. S.	JOHN.					•/				
		A PROPERTY OF THE PROPERTY OF					108 /S	2				3/2		3	/8 k V	/8.4/ ? v / !	3	/	/: ./	/•/	/ /		/	///
'n	13	<b>S S S S S S S S S S</b>	/- 8ª	_	<u>/:</u>	<i>[</i> ~		\$ <b>]</b> [\$	<u> </u>		18.	18.	13/2		<i>\$\\</i> \$	3/5/	<u> </u>	<u>/å</u>	V . L	2/4	*/3	<u>/_</u>	$\angle$	REMARKS.
ŀ	61.	T16 -	A4(L)	·	<u> </u>		£	10		10				0		18_		<u> </u>		_	<u> </u>			-
	62	T26	A4(M)	-	<u>.</u>	4	М	,11	ļ. —	11	-	<u> </u>				1		-	,				-	
	63	T28	A4(N)	3	i i	<u> </u>	N	12		12			_	2			٠.			-	_	•	,	:
	64	T34	A4(P)	Ļ		<u> </u>	P	13	13	13.						4	,			-	<u> </u>			
	65	T36	-A4(R) ′′ አ	-			R	14	14	14					_						-		_	
		T40	A4(S)	-			s	15	15	15			14				<u>`</u>		·		┼	r		
	•	T50	A4(T)	,	,		T	16	16	16	, .	. 5	-		12 1		-							, , ,
•	٠,	T58	A4(U)	-			<u>ט</u>	17	17,	17		_							<u>                                     </u>	s s	, ,			
ŀ		T80	A4(W)		-	ľ	V	18	18	18			<del>                                     </del>	v				1					-	
4		T80 T86	A4(W) A4(X)	<u></u>		<u> </u>	×	20	19	19. 20				-	_			1		-	$\vdash$			
	g	T90	A4(Y)				Y.	21	21	21	٨	L	<u> </u>			. K		-	•	>				16
		START ADC	A5(P)				_	P		-									.6	7	19)			API Line 27 Ext Source
	74	PRESET TOTAL 10 ²			2 .	,	2	×			• .	, ,		-				15			7			To MFL Line 133
	75	PRESET TOTAL 10 ³	S3A F(2)		34		3	1			•-	*.					,,	16	17					To MFL Line 134
\	<b>76</b> .	PRÉSET TOTAL 10 ⁴			·		4											17	7.		*	t		To MFL Line 135
	17	PRESET TOTAL 10 ⁵	S3AF(4)		-		5		٠.				A A				. 69	18	•			• .	ì	To MFL Line 136
		PRESET TOTAL 10 ⁶	S3AK(5)	٠.			6		· ;			<u>.</u>						19	•					To MFL Line 137
ŀ	79	PRESET TOTAL 10 ⁷	SJAF(6)			u	7 .	*	<u> </u>							¢		20 -	•					To MFL Line 138
	80	SWAVE	S1AF(3)	S.				Е	P	3		2								27				To API Line 16
-	8t ·	DISPLAY	A8(20, X)	4,		C	<u> </u>	х	X	x	20, X	_		-	v							<b>₽</b> ~	_	
ı	, .	SUM	A8(16, T)					T	T	T	16, T						•	, ,			- 1	$\angle$		
ı		AVE	A8(15, 5)				<u> </u>	S	<b>8</b>	s`	15, S			•		; ,`	1	_						From LD&FF
ı		L START	P23(36)	_			├─						2	•				_	36 -	-			<u> </u>	Line 30
ſ	,	LSTART A SENS MULT			:			В		2	,		D .		•	11	); (		e 4	1				
ŀ		AUTO ,	S2BR(13) A8(21, Y)		•	<u>'</u>	_	4	Y	y .	21 2	R	٠	0		· /			•	+	<u>'</u>	•		
ľ	V	HIST BEGIN SO	,	4	-			v V			21, Y	# /		8	15	. <del>/</del>	î		c c	+				
ſ		AMP -	A8(18, V) P24(41)		-		<u> </u>	•	v	<b>v</b> .	18, V				, ·	<i>']</i> /.	,			H				
1		MCS COUNT UP						H J					<b>`5</b>							41	16			From API
1	-13		0 1				لبحب		<u>, i</u>		<b></b>				P.	. ,		<u> </u>	<u> </u>		27	<u> </u>		Line 99
4	-13	12				<b>T</b>		<b>-</b> L.	e a		_e s			ď		ŧ		•	-		•	•		02850-1

Table 4-2. Wiring Lists (Cont'd)

É		·		٠ ٢		. ·			1 -	· .					·	٠. :	-	•	• •	. 1	· ·		•
	ART H2 5486.	A (CONT'L)			· · ·	· ·			<i>3</i> -			•		,				•				: 	· 
/							/ /\$				7/2												REMARKS
91	SWMCS	SIAF(7)					D		-			7			L								
92	MCS	A8(U)	ļ				U	U	U	17, U				<u> </u>	15	'						*	
- 63	HIST END	A8(19, W)		Ŀ			w	w	w	19, W	N	19	Ĺ		ļ. 		<u> </u>					,	
94	P/D	A10(E)			ļ		c	R	,		12	E		,	2		ļ			L			
95	ADV PAR1	A9(E)		↓	ļ		P		<u> </u>		E,										<u> </u>		
96		A5(3)	ļ	<u>                                     </u>	ļ ·	<u>.                                    </u>	3	<u>.</u>					14	<u> </u>		£l9							
97	START- SHIFT SET SCALE	A5(2) .	<u> </u>	<u>  :                                   </u>			2	_	<u> </u>					T, Y									Note: Reset Pre- set reached [A12(T1)]
98		A5(L)			* 150		L	1	_					F	L	<u> </u>		. *			<u> </u>		
99	HOLD	A5(N)			 		N	A		٠		er.	13						ļ		_	:	
100		A5(M)	<u> </u>	<u> </u>			M		<u> </u>			•		<u> </u>			9		p 5			,,,	To MFL Line 20
101		A5(R)		ļ ·	-		R	-	-						U ·				<u> </u>	·			
	SWSUM	S1AF(1)	<u> </u>			' <u>'</u>		N			3				-		<u> </u>	_	28	3			Not used
j <b>ě</b>	ADCFIN	P24(5)	-	<u> </u>			_	ļ.,	<u> </u>	4.		B	_				<u> </u>	_	5	30			From API Line 84
104		A10(C)	-	-	<u> </u>			M	•			C								-	_		
105	EXT AVE	P23(2)					_	10 .	4, 3,	В								2		200		_	•
106	EXT PREP CS ATTACHED	P23(1)					- 8	11	3.4.	С				<i>5</i> ,			-	1					
	ENCLLPA					-		4						<u> </u>				7	-		<u> </u>		From J1500 To MFL
	ENCT PAR	٠,	-	,			,	В						1.5		٠	8, 31		-		_	·	Lines 11, 143 To MFL
	PAR A OUTPUT- MPX	A6(F)			, `			F				*		_		·	y			*	_		Line 153
	MPX SET IN MPX	A6(D) A6(E)		,				D			_			M	-			12	•		£	^	J16(P) To API
		A13(E) A6(C)	,				••	E C				<del></del>		<u>.</u>	_				36	•			Line 44 To MFL
113	SET EP	A6(H)			•			н				<u> </u>			E		39			•	<u> </u>		Line 157
	INHIBIT- STATE	afest		+	į.	,		n J		м				6	5.2		,			•	•		
	ALIZOW- STATE			+			· ·	K.	,	.11					*.	ign to					•		
116	L	A13(14)						2		12		F			14	·			34	9			Not used
	RESET	A7(N)	-/						N.			·		_				•	45	20	-		To API Line 30
	3	A7(L)	<i>[</i> -			- ; -	-/	~	L		•				*			4	73	-0	<b>.</b> ,		To memory . Line 39
110		A7(D)	/				<del>/</del>		D							1.		20	•		•		To memory
		A7(E) /	•						E		_						· ₇ /	٠,	,			<del></del>	Line 37 To MPL

	DD 220 5404	(0011310)		t-	• •	-						ing 1		_					<del></del>	-24-			
PA	RT H2 5486/	(CONT-D)	<del>, .</del>		70	<del>,                                     </del>	7	7	7		<del>,</del>	/	/a-	7	<del>,</del>	7 -	/	<del>, .</del>	7	7	7	7	///
					' /	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	' /			· /	/ - / <u>\$</u>		9/		á	1/					/ /		
	State		SET		/	THE STATE OF THE S	/-	Γ.	/ .		2			Ϊ,				<u>/:</u> ,	/		/		
	, / se	/ <b>33</b> 1	./	' /			' /			: :>/\$	3/8	3/5	3/			3/			_/.			. /	/ /
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	<b>/ 8</b>	8-	Ĺ	_		<u>/</u>	_	_	18:	/4:	14.	\$/\$\\	<u>Z</u>		3/2/	<u> </u>	/å	1	1	<u>/</u> \$	<u> </u>	<u>_</u>	REMARKS
121	SET VERT	A7(K)							K					•				5	35	10	·		API Line 45 Mem Line 25
122	SET HORIZ	A7(M)							м					•				17					To Mem Line 40
	ENSHIFT RIGHT	A7(J)	. •	·	,		·		J								3		_				To MFL Line 7
124	ENSHIFT	A7(H)	ø	·		•			н		-						2						To MFL Line 5
125	ENABLE COUNT	A7(F)		. 4				·	F				-				ì						To MFL Line 3
126	WRITE	A7(C)			·	•			С									19	,	·	,		To Memory Line 35
127		A7(B)					,		В	<u> </u>	ļ	-			,	. 1		18					To Memory Line 33
128	SET AVE	A9(F)							Ť	.2	F												Diffe 60
129		· A9(H)								3	н				<b>6</b> .5	٠			•		-		
130		A10(16)	· -				v. 'Ç.			4	<u> </u>	16	-,5		, A ^{ri} k								٠
,	SET ACS HIST BEGIN							-								•							
131	SET-	A10(12) A10(13)			<u> </u>		-, <del></del>	·		6		12				<u> </u>							
132	SET '		<u> </u>					<u>-</u>				1.3	-				_		<u> </u>			<del> </del>	
133	DISP SET-	A9(C)		ļ —-			·		-	7	C					<u> </u>							•
134	PREPARE SET NOP	A9(B)	-							8	В		4 .		-			. •	-	<u> </u>			**************************************
135	STATE	A9(M)		-						9	М							-	┢			<u> </u>	
136	ENABLED CHAN	A8(10)		<b> </b> -	ļ		<b> </b> -		ļ	10	J	K				<u> </u>			- t ₁		. ".	7	From API
137		P24(9)	ļ	ļ	<u></u>		ļ		-		10			-					9	- 34	<u> </u>	_	Line 61 From MFL
138	PSD 2	P22(46)			В				-		9	-	· ·	-		-	46		<u> </u>			<u> </u>	Line 140
139	L DISPLA	P23(33)	<u> </u>		E				ļ		4	ļ .		K	9	· ` `		38	30	5_		4	From LD&FF Line 19, to API Line 46
140	SAMPLE	A10(N)					<u> </u>				11	N		ļ			•			<u> </u>		ļ	·
1141	PROCESS	A10(10)	<u> </u>	ļ				<u> </u>	<u> </u>		6	10		,	_	47. Z	:	<u>.                                    </u>			•		
142	NON PROCESS	A10(11)	ļ				<u> </u>				7	11		Ļ						<u> </u>			
143	START PBH	P23(31)	<u> </u>	-			•		_4		20		,		x	<u> </u>		31					From LD&FF Line 28
144	PBH CONTINUE	P23(32)		<u> </u>			-				21					<u> </u>		32				Ŀ	1
145	L RECORD	P23(39)		<u> </u>					L		18	P			19			39					From LD&FF Line 24
146	STOP PBH	P23(35)							<u> </u>		19		٠					35					From LD&FF Line 26
147	NORMAL	SOAF									S			·	-								
148	PRESET REACHED	A12(V)									T			v		• .							
149	PRESET TOTAL	P22(21)									p						.21		,				From MFL Line 139
150	ŚW HIST & EN 20MHZ	_									13			٩	6			•	12	37		, .	To MFL Line 10 and API Line 43

PA	RT H2 5486.	A (CONT'D)	)		:	- N			<del></del>						,			•	<u> </u>		• •		
1	The state of the s	g de la constant de l	Service of the servic						//								./&		/ 2	/			REMARKS
151	DISPLAY PBH	P23(33)									16				1			33		4			From LD&FF Line 21
52	RECORD PBH	P23(34)						.•,			17		<u>.                                    </u>	area and			b	34	• *	•			From LD&FF Line 22
53	L STOP	P23(40)									15			ÇáVir	Y			8, <b>4</b> 0	15	40	۲.		From LD&FF Line 20 to JH
54	SET- L START	A9(X)	<u> </u>		ļ_						x				•	,		26	-				To LD&FF Line 29
55	CONTINUE	A9(Y)	<u> </u>	ļ		٠.					Y	1	'					27			. •		
156	L STOP	A9(W)								<u>,</u>	w		, :					30					To LD&FF Line 27
157	SET- LDEPLAY	A9(U)	<u> </u>			ļ.,					U			* *				3, 28	·				To LD&FF L 23, and J15(t
158	RET-	P23(29)	<u> </u>	·	igspace					1	V		ì			L.		29		·,	<i>i</i>		To LDLFF Line 25
59	TRES.	P24(42)				,				j		4	- '						42	17		•	From API Line 86
60	TIME- HIST	P24(43)				_			_			6					·		43	18	1		From API' Line 87
61	CONTINUE	P23(37)	ļ·							ļ		3					<i>p</i> .	37					Not used
162	DESPLAY DEFEAT PROCESS	P24(37)	<u> </u>		.,			<u>.</u>			*	8				7			37	12		Ĺ.	From API Line 62
163	INHIBIT	A18(N)				<u>.                                    </u>			-		,	М	: '		N		1 gà	•	•				•
164	PAR 3	A10(U)	<u> </u>	٠			ë.					บ			17				1				To MFL
165	DAR + 1	A10(R)	<del> </del>			<del></del>						·R			-1	ā	27				-		Line 181 a
166	START	A10(9)	<del>  -</del>							<u> </u>	·	9	_					23	40	15 -			& rear panel
67	BC1	A12(8)				-			<u> </u>				J	8	•			;					L de la company
168	<del>5</del> C2	A12(9)	<del> </del>	_				7.			*	-	K	9.			7.0	-					
169	9C3	A12(10)	<del> </del>		<i>,</i>					<u> </u>			1	10		<u> </u>				<del></del>		<u>.</u>	
170	SC4	A12(11)	_			`.	-					<u> </u>	М	-11					<u> </u>			, .	•
171	8C5	A12(12)	<del>                                     </del>				. :		$\vdash$		<u> </u>	<b> -</b> -	N	12				"		٠, ٠	_		
172	8C6	A11(P)		:	•		-			<u> </u>			P	13							-		+ <b>?</b>
173	8C7	A11(R)	<del> </del>			-							R	14									10 A 20
174	<b>5</b> C5	A11(T)		$\vdash$		-	-		-	-		<del>                                     </del>	T	16							_		
175	8C10	A11(U)	<del>                                     </del>	1				,,			,	-	U	17							-		
176	9C11	A12(18)				<u> </u>	_		┝	<u> </u>	_	-	<u>v</u>	18						<u> </u>	<u> </u>		e et j
177	SC12	A12(19)	$\vdash$	-			<u> </u>		<del> </del>	<u> </u>	n	<del>                                     </del>	W	19					<u></u>		-	-	
178	8C13	A11(X)	$\vdash$	1				<u> </u>	-				X	20								_	From API
	7 BITS	P24(10)	<del> </del>			<u> -</u>			<del> </del>	_	<u> </u>	<del> -</del>	15						10	35			Line 34 From API
180	9 BITS	P24(11)	<u></u>	1					L	<u> </u>		<u> </u>	16		L				t1	36		Time !	Line 35

Table 4-2. Wiring Lists (Cont'd)

Section IV Troubleshooting

	RT H2 5486/	F	7	c,							_												
			7				•	1	7		. •							-			· À		
13		A Paris	Sec.														1	//&					REMARKS
181	SWEEP NUM 20	S8AF(17)										1.2		2	·	i				. 1			
182	SENS MULT 2 ⁰	S2AF(14)							,	i,			,	В				a r					•
	SWEEP NUM 2 ¹	S8AF(16)										Á		3									
	SENS MULT 2 ¹	S2AF(15)					·					e religions in		<b>c</b> /			٠.	Ą.			,	,	
185	NUM 22	S8AR(18)	**									A 44.39		4			·				,		
186	SENS MULT 2 ²	S2AR(12)		·		,						gpa re r		D	-, -,	14			•	,			
187	SWEEP NUM 2 ³	S8BF(18)								4		. 476		5,							· 		
1.88	SENS MULT 2 ³	S2BF(15)			-							age and i		E					•				
189	SWEEP NUM 2 ⁴	S8BR(20)			۶	<u> </u>					-			7						-		- 1	
190	LDISPLAY	A12(L)											,	L		12.0		11 .			`. <u>.</u>		To Ext Source J16(F)
191	SHIFT 1	A12(P)					_			ļ <u>.</u>		4		P		-	8 .				•		To MFL Line 14
192	CLACIS SETACIS	A12(W)	ļ.,				_		,*		,			w		43.4	.14	•	. •			,	To MFL Line 215
193	MAIN · SRQ	P23(43)						•		1	<u> </u>		1.	,	7		<u> </u>	43	-/- -	-			From Ext Source J16(k) From Ext
194	SUB SRQ SAWTOOT	P23(44)									,		•		8		4141	44	•				Source J16(m)
195		P23(9)													10	-	es aprela	9			<u> </u>		From Rear S6 From MFL
196	AC19 ENABLE	P22(22)					-	٠.,	-	, 41 41,	,	-	• .	х			222		<u></u>	`	<u> </u>		Line 96
197	PAR TO HOLD	P22(41)		<u> </u>				<u> </u>	, «	•	,		- 1	ļ	3		41						Line 150 From MFL
198	PSDI COUNT ON	P22(45)		<u> </u>			-	1.	ì		is Sec	**	s		D.	4	45	-			-	<u> </u>	Line 141 Prom MFL
199	PAR C	P22(44)	-				<u> </u>		,		<u> </u>				R		. 44				• `. •		Line 199 From LD&FF
200	PBM	P23(47)	<u> </u>		,										V			47	* •	,			Line 18 To Memory
201	MBSSL Not	A13(11)		-	-		$\vdash$			`			· ·		H	,		45.					Line 50
202	Assigned SET			<del></del>						-	_		Щ			,	$\dashv$						Not Assigned To MFL
203	DAR B	A13(5)		_	, ,		<b> </b>					4	· · ·		5_		48			•			Line 158 To MFL
204	ADVANCE PAR + 1	A13(C) A13(T)	-		-					,					C .		40 32		. `				Line 151 To MFL Line 185
, 206	ADVANCE PAR - 1							•	Ė				·		16		35		_	•	L		To MFL Line 187
207	CLEAR DAR A	A13(20)					<b>"•</b>	-						,	20		26				•		To MFL Line 154
206	PEN LIFTER	A13(W)		3.	•										W			24					To Rear BNC
209	SW HET	A13(F)							₹.							y	.47	13				•	Contro) To MFL Line 19 To Mem Line 49
210	GD DN 30 MHZ DAR CONEN	P22(37)					*	•	-				-		*		37, 12						From MFL Line 191 to MFL

Table 4-2. Wiring Lists (Cont'd) PART H2 5486A (CONT'D) From MFL Line 189 to MFL Line 16 From pwr suppl to S5AF(3-42) LINE SYNC P21(3)

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## PART I - 5487A FOUR CHANNEL INPUT (ANALOG PLUG-IN)

Table 4-2 (Cont'd)

Wiring Diagram: Figure 4-13

This part of the table lists all connections in the 5487A FOUR CHANNEL INPUT (Analog Plug-In) unit.

This list is based on the list for the 5485A (Part C of this table). All signals that are common to both units, and referenced from other lists, have the same line reference number in both lists. Note, however, that there is not necessarily a line-for-line correspondence between the two lists; in some cases, a signal that appears only in the 5487A may be listed where a different signal in the 5485A was listed, because the 5485A signal is not in the 5487A; this explanation also applies to blank spaces in the table, a signal was deleted with no other signal to replace it.

Table 4-2. Wiring Lists (Cont'd)

ART I 5487A	(CÓNT'D)			, ·		. •	1		ì		1.		s (Co	•	<u> </u>	. •						
2   E	/	A CONTRACTOR OF THE PARTY OF TH			\$ /				STATE OF THE PARTY		/							\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\			1/2	
	1	٠,	/ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \						_	<del>/ ~</del>			<u> </u>	_	<del>/                                    </del>		_	_	$\leftarrow$	<del>/ ``</del>		From Main
1 +12V 2 -12V	P28(4) P28(12)	9, K 20, X	•					_	₹				12					, ,,				Frame From Main Frame
3 +5V	P28(3, 10)		12, N							·			3, 10								٠.	Also on Pin At (14) thru 100
4 GRD	P28(1, 9, 8, 16)		17, U 19, W			-	19W	19.W		10 800	e		1, 9, 8, 16						-			From Main / Frame
5 +19,5V	P28(6)	•						11	٠.		y '45		6	-			_				ļ. ——	From Memory Regulator
6 -19.5 V	P28(14)	. 9		8, J		_		H	•	<u> </u>		<u> </u>	14					_			-	From Memory' Regulator From J1
7 INPUT A	A8	11, M		-	-	-				. ,		, , , , , , , , , , , , , , , , , , ,	•	-			_	<u> </u>			-	thru A8 From J2
8 INPUT B	A9	14, R	1				-							<u>.</u>	<u> </u>			<b> </b>	ļ		<del>-</del>	thru A9
9 INPUT C	A11	17, U 22, Z			, ,						,			<b>-</b> ;	<u> </u>							
D1 DEP	A4(13)			,	13	v						<b>\</b>									,	
D2 DISP 2 MULT	A4(14)			, ,	14	T			•							,						
II INPUT	A4(15)				45									· · · · ·			· .					
12 INPUT 14 MULT INPUT	A4(16)	7			16			<u> </u>			<b>N</b> .	. 0		•						-		
5 AMPLOU		1	1					·			·	•					•		<i>*</i>			From LPI
START			18			,	<b>k</b> —		*	2	-				-		<u> </u>				27	From LPI
17 (T0) STOP (T13)	P25(15)	-	3 4, D				- *	3	*	15 44	- 1									·	19	Line 166 From LPI Line 59
VERTICA 9 DAC	1		11.14	-	ς."				•		47							,		ŭ		From Mem Lin 23 thru 233
BASELINI ADJ		<u>.                                    </u>	13		,					ď												<b>E</b>
1 DCBAL	R2		10, L	<u> </u>			ļ				à	a	#4	*								
2 +REF	A2(7, H)	ļ	7, N	<u> </u>		-	***					्रे हु	2	8						<u> </u>		To R4 & R6
NOSE	A2(8, J)		8, J			-									<b></b> -		-				ļ	Balance To Rear
8 SIGNAL SAMPLEI SIGNAL	A2(33, Z) A2(6)		6	22, Z	-	B						25			12.	^		ı a			<b></b>	Panel J6
DATA SICNAL	A2(14)		14			c			- 44		,				1/2			-				
START ADC	P35(19)			13, P	ā		· 13			19											44	From LPI ;
TRBI	P25(7)			2. B.				·		7			·								32	From LPI Line 33
тава	P25(9)			3, C						•								` \		<u> </u>	33	From LPI Line 34
RESET ADC:	P25(20)			14	Ŀ		<u> </u>	. 5		20									•		45	From LPI Line 117

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							. '	Tabl	e 4-	2.	Wir	ing 1	List	s (C	ont'd	l),							
PAF	T I 5487A (C	ONT'D)	•							•	•	-		:	•	•					No.		
	A Partie	Name of the last o	STEE			\$ /2.					y /2												
<u>/</u>			_	<u>/·</u>	<u> </u>	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	<b>*</b> * * * * * * * * * * * * * * * * * *	<b>*</b>	<u>"</u>	<u> </u>	_	<u> </u>	<u>/_</u>	<u>/</u> -	<u> </u>	$\angle$	<u> </u>	_	<u>/</u>	<u>/</u>	/	<u>/^</u>	REMARKS .
31	RAMP FIN	A3(16)		•	16			16				<u>.</u>				-		_	1.				
52	COUNT DN ENABLE	A3(21)		,	21			21 ·	,		42	42								13, 12			MFL 191 LPI 210
35	COUNT UP ENABLE	A3(18)			18		Ŀ	R_		<u> </u>	17							ļ	ļ	<u> </u>			To MFL Line 189
34	7 BITS	A3(1, A)			1, A			10	·	35_	<u> </u>			<u> </u>		<u>`</u>			ļ		a	10 .	To LPI Line 179
3:	9 BITS	A3(6, F)			6, F			11		36		·						ب			_	11	To LPI Line 180
34	SAAR1	P27(43)				s				·		43			<u> </u>	Ľ	·	٠.				<u> </u>	From Memory Line 123
3	SBARI	P27(22)	<u>.                                    </u>		L	v				<u>.</u>		22	Ľ								<u> </u>		From Mem Line 122
	SBARO	P27(42)				<b>x</b>						42							۰	٠	1.		From Mem
31	SAARO	P27(31)				z.	·			•	ļ.,	21											From Mem - Line 125
4	CHENNEL COMMAND	P27(18)				F	,		٠.			18			<u>-</u>					Ľ,	_	<u> </u>	From EXT Source
4	ARÓ	P26(14)				1 '	_			<u> </u>	14		7						Ŀ	, 1			From MFL Line 193
4	ĀRĪ	P26(39)				2					39									`,			From MFL Line 194
4	HISTO- GRAM	P25(37)						4		37			·	•		•				-	*		From EXT Data J12(24)
4	SET IN MPX	P25(11)				22			•	u	·		•		3			·				36	From LPI Line 111
4	SET DISP	P25(10)			L	21				10									· ·			35	From LPI Line 121
4	<del></del>									, .													•
4	"A" ON/OFF	<b>S4</b>		-		3							<u>.</u>										,
. 4	"B" ON/OFF	85			:	4_			\								<u>.</u>			<u>.</u>			•
41	"C"	86	<u> </u>			5 -									L.			, i	!	4			
- 54	"D"	87		7	·	•					. ,		<u> </u>	*				•					
5	DMSP SW DATA	53AF(9)		•		Α.					ļ		,						٠				
5	DISP SW NOISE	53AF(10)	:		٠.		E			*	, ,			¥2.									;
5:	DISP SW INPUT	S3AF(11)	Ŀ				D			, .													
54		•		•	•			•			4									• .			
. 51						•	-				•								4		*		-
). ].		₩																					7
5	9						,								,							,	,
5		•																		3			,
51	'	<b>4</b>														ć							a : \$
64			•			•		:•										**		1		·	

ARI	r i 5487A (C	ONT'D)	7		7	<del></del>	7	<del>/                                    </del>	7	7	<del>, `</del>	,	7	7	7	7		<u>, ,                                   </u>	<del>7 :</del>	<del>-</del>	7	7	/ /- /
/3		de la	Section 1							THE PARTY OF THE P											/ / 5		REMARE
61	CHAN OK	A4(11)				11				34				-	*	-						9	To LPI Line 137
.62	DISPLAY DEFEAT	A4(B)		•	<u> </u>	В				12 >								,			ļ	37	To LPI Line 162
63	MAARI	GND			-				<u> </u>	40			WIRE	D TO	GND					:			To Memory Line 133 To Memory
	MBARI	GND			├-				<u> </u>	41		-	WIRE	D TO	GND_		orga Services	1					Line 132
,	MBARO	GND							,	••	15 16					<u> </u>	_		:			<u> </u>	
66 67	MAARO	GND		-		<del></del>	<del> ;-</del>				10	,			 					·			
68												50 J					ŧ						
69		. ,			-					<u> </u>	•		. 2				•			,	6 6		
70	"A" GAIN	A8R10	_		<u> </u>		J		_		<u> </u>		E.	٠		<u>.                                    </u>			•				
71	POSITION	R4		-	ļ		L	<u> </u>			<u>                                     </u>					_							_
72	"B" GAIN		<b> </b>				R	<u> </u>		<u> </u>				-	<u> </u>							ļ: 	
73 74	POSITION "C" GAIN			-	+		2				<u> </u>				, .			•					
75	"C"						1	c	-														
76	"D" GAIN	AÌ IR IO		<u>.                                    </u>	-		м		-														
_77	"D" POSITION		_				P _																
.78	VERT DE- PLECTION C. S. AT-	A5(21)		<u> </u>	ļ.,		31				49												To Disp Sect Vert Scope Ou From EXT
	TACHED 10 MHZ			<del> </del>	·   · 		<u>z</u>		<u> </u>	-		19			_		ñ			7	7		Source From LPI
80 81	CLOCK TIME HIS- TOGRAM	P25(41)		-	1	ų,		3		41			:		┢					, :		16	Line 43
~	FREQHIS- TOGRAM				-		,	1			. /	<del>                                     </del>			<b> </b>	<del>                                     </del>				*			
	L STOP	P25(40)						6		40						,				-		15	From LPI Line 153
. 24	ADC FIN	A6(22)	_	<u> </u>	<del> </del>			22	<u> </u>	30	<u> </u>	:	٠.			<u> </u>				•	<u> </u>	5	To LPI Line 103
. 45	FREG	A6(15)		_	<del> </del>			15	,	,	33			,				1					To MFL Line 21 To LPJ
_ <b>96</b>	HET	A6(5)	<u> </u>		-	,,,		8		17	<u> </u>				. :		<u> </u>		<u> </u>			42	Line 159 To LPI
	VARIÁNCI	A6(T).;	<u> </u>		$\vdash$			7	<u> </u>	18	· ·				<u> </u>	<u> </u>			·	-		43	Line 160 To J32(Rear)
	HORIZ		<del>                                     </del>		+		<del>                                     </del>	¥.	<b>.</b>		<u> </u>	46							·				Variance Out From Mem I 42 to Rear Pagel J9
	RESET . TB1	P26(44) P25(14)			١.	†-		<b> </b>	2	<b>.</b>	44	<b>†</b>				(S.)		-			1.	39	From LPI Line 38

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## Table 4-2. Wiring Lists (Cont'd) PART I 5487A (CONT'D) REMARKS From Rear 92 PLOT From L. DR 93 RECORD P27(40) 21, Y EXT. 94 SAMPLE From Rear P27(15) From Display P27(41) SWEEP 96 VOLTAGE A7(8) To Rear J19 POS SYNC 97 OUT A7(1) To Rear Ja NEG SYNC 98 OUT o Rear 17 MCS COUNT UP A7(4) To LPI To LPI 100 SAMPLE A7(22) To Rear Panel J1 101 SEEK

PART J — 5488A AVERAGE/CORRELATION INPUT
(ANALOG PLUG-IN) Table 4-2 (Cont'd)

Wiring Diagram: Figure 4-14

This part of the table lists all connections in the 5487A AVERAGE/CORRELATION INPUT (Analog Plug-In) unit.

This list is based on the list for the 5485A (Part C of this table). All signals that are common to both units, and referenced from other lists, have the same fine reference number in both lists. Note, however, that there is not necessarily a line-for-line correspondence between the two lists; in some cases, a signal that appears in the 5488A may be listed where a different signal was listed for the 5485A, because the 5485A signal is not in the 5488A; this explanation also applies to blank spaces in the table, a signal was deleted with no other signal to replace it.

In most cases, this list also applies directly to the H01-5485A.

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Model 5480A/B

Table 4-2. Wiring List's (Cont'd)

	P		خ	• 1		8	*							<u> </u>	· .			· 				•	-
PA	RT J 5488A	(CONT'D)	•		. 6			-			•					•		•					
, °/		A CONTRACTOR OF THE PROPERTY O	San Co												//		1				7/2		REMARES
1	+12V	P28(4)	9, K	-				-				1											From Main Frame
2	-12V	P28(12)	20, X				Ŀ				20, X		ŀ		12		<u> </u>						From Main Frame
3	+5V	P28(2, 10)	12, N				<u> </u>					• :		°	2, 10							2/	Also on Pin A1(14) Thru 100N
4	GRD	(1,9 P28 8,16)	17, U 19, W	2, 14 17, 21	1 19, Ý	17, U 19, V	17, U / 19, W	19, W	17, U 19, W	17, U 19, W	19, W	,			7,9 8,46								From Main Frame
5	÷19.5V	P28(6)	Ŀ	<u> </u>					_			Ĺ							-	*			From Main- Frame
8	-19.5V	P28(14)	<u> </u>	1		'	8,				<u> </u>	į.		<u> </u>									From 11 Thru Al
	input A	A10	14, R			6		*	_,		<u>  ;                                     </u>		•		-	7		-	۵,				From J2 Thru A9
8	<del></del>	A11 '	18, V	,	6.8		٥	ļ		<u>:-</u>					-			,					
9	CORRE- LATION	87 Ý	5, E		ļ	2, B	ļ					ļ.,				Ŀ	_						$Q_{ij}$
10		A1(15,S)	15, 8			<u>'</u>																	To 81, 2, 4, 5, 7, 8
11	Bample Interval	A1 (1,A)	1.4		7	970			***				<u> </u>		<u>'</u>		-		<u> </u>				
12	PRODUCT	A3(18)	<u> </u>		18	8, J						·						<u>                                      </u>	-				
13			-	υ -			•				١٥		_	<u>                                      </u>	:		<u> </u>		61.	_			3.
	CHAN "A" INPUT	15(10)	8, F					10		Б					-	,		,	•				
15	AMPL OUTPUT	A1. (22Z)	2.2	22	-				_		/	_	_						<del></del>	<u>.</u>			
16,	SWAVE START	P24(2) "				18, V	C	_	<i>t</i> .			2	<u> </u>	_			·						rom LPI . Line 20
17	(T0)	P25(15)	, É		<u> </u>	3,C	ļ					15	<u>'</u>	_	<u> </u>							40	From LPI Line 156
.10	BTOP _ (T12) ^ VERTICÂL	P25(44)		<del>                                     </del>	,	1.0	-	-				44		4						-		19	From LPI Line 50
19	DAC BASELINE	P <b>36</b> (47)	<u> </u>			11.M	-		1				47		-				·			-	From Mem Line 23 Thru 33
20	ADJ	R1			<del> </del>	15.4	-	- - 		•					_	V				•		·	•
	•,	R <b>3</b>				7.H	•					-	1						•				0
•	-REF	A4(10, L)			-	4 32. - 14.	,		:		e	٠, ,	_	<u> </u>		t	·	To	Front	Pane	Cont	,	To the A' the
•	NOME	A4(5,E) .		-		-	-			/	,	- 1 - 4. -		,	$\vdash\vdash$		-	To	Front	Pase	Cont	pla.	To REA+B balance To Restr
24	BENAL .	A4(33, Z)				22, Z	22		9		•			25	<u> </u>	٠	<u> </u>	•			<u> </u>		Panel JS
	DATA BIGNAL	A4(6, F)	ν	7: 		8, F		1			٠.						•						5
, ,	START		,		y s	•			,	7				,					.,-				From LPI .
27		P25, (19)			•		13 -		,	13		19		•							<u>8</u>	44	Line 73 From LPI
$\overline{}$	1001	P25(7)										1	-	•	$\dashv$	•				•		32	Line 33 From LPI
	RESET	P25(8)					3				7 2					,	-	$\dashv$	•		-	, 33	Line 34 From LPI
30	ADC	P25(20)		A.			14	•	•			10		•		1						45	Line 117

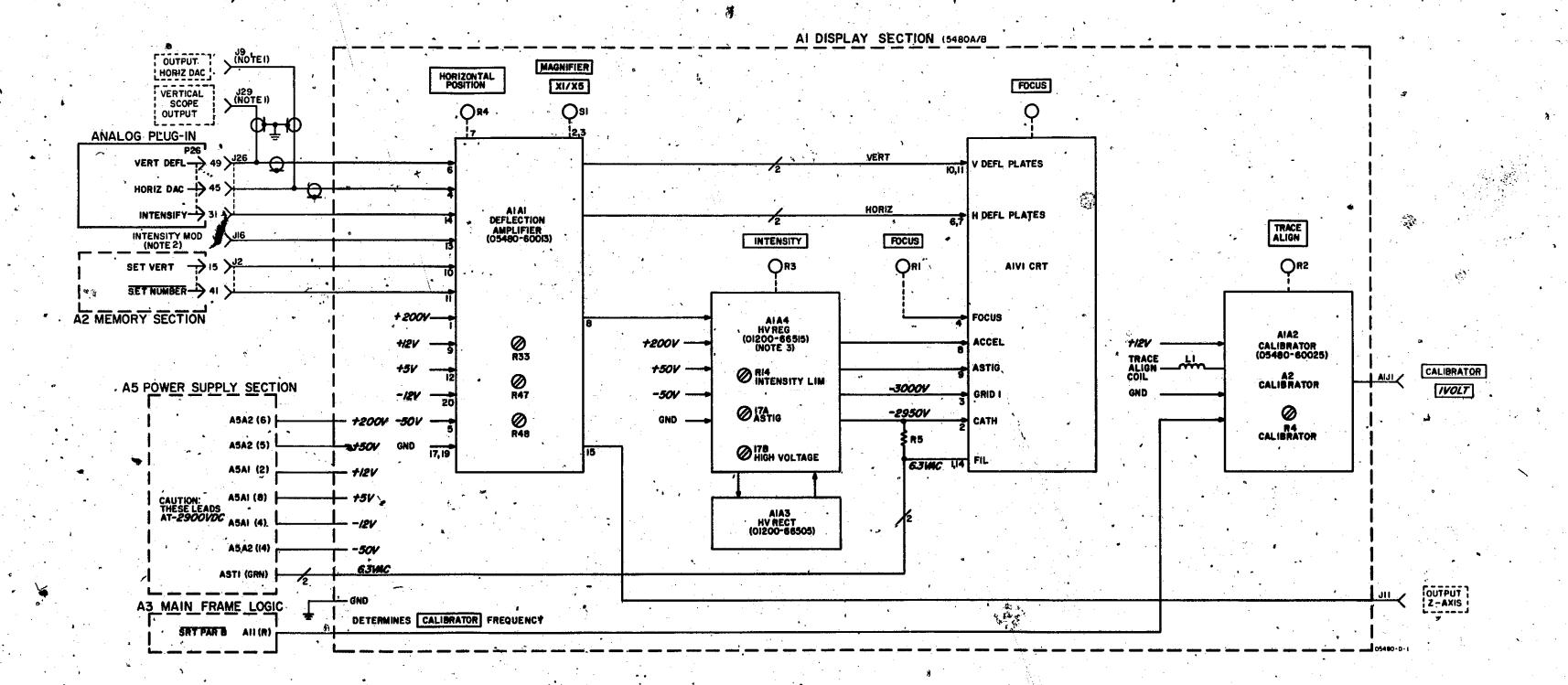
		<b>\</b>		:		4		r ann	\ \	40.	44 TT T	THE T	nora	(Co	me a	<i>,</i> .				4	- ، ٠		
PAI	RT J 5488A	(CONT'D)		•		į · •					,				-		C	3	• • •	. ,		Æ .	200 ·
/3		a la	7		4 2			\$   \$   \$				STATE OF THE PARTY	/2		1			1000		/3	-  -  \$	/, , ,	REMARKS
31	RAMP	A5(16)					16		·	16			_								•		
	COUNT DN	A5(21)					21 0			21			42	2						37, 12	:		MFL 191 LPI 210
	COUNT UP	A5(18)					18			R			17		•					36, 10		0	To MFL Line 189
		A5(1)					1			10		35								,	U	10	To LPI. Line 179
35	,	A5(6)			•		6	·		11		36	Ø			1			•	Ľ,		11	To LPI Line 180
36	BAARI	P27(43)						6 .				·	4. N	43									From Mem Line 123
		P27( <b>22</b> )			•		•	R						22		(					i		From Mem Line 122
38	BBARO	P <b>2</b> 7(42)					·	15						42							•	_	From Mem Line 124
39		P27(21)				·	-	14					•	21			, sept						From Mem Line 125
40	CHANNEL COMMAND	P27(18)				Ø	<u>                                     </u>	T						18	1 1			ĭ					From Ext Source
41	ARÓ ·	P28(14)				,		E '		· .			14										From MFL Line 193
42		P26(39)					<u> </u>	F				1	39					· 				ļ.,	From MFL Line 194
43	<del></del>	P25(37)			:			U -		4	· ·	37	1							ļ	ļ. 		From Ext * Data J12(24)
44		P25(11)			<b>-</b>	***	<u> </u>	м				11						·				36	From LPI Line 111
		P25(10)			43			<u>.                                    </u>	-	<u> </u>		10				,	- '					36	From LPI Line 121 From LPI
	L DEPLAY	P25(5) .				<u>.</u>		3	i	-	10.1	5	<u></u> -			-			<del>-,</del>				Line 139
47	a opp a data	HAP(1 ^{1/2} )	- ,	ļ. —				13				•	«				•			<u> </u>		<u> </u>	Prom "A" Display SW From "A"
48	BIGNAL	SIAF(5 ^{1/2} )		<b> </b> -		<u> </u>	,	V	. /						te.						•		Display SW
<u>49</u>	D <b>V</b>	52CF(2)		}—		 	-	5			_	 		_	,	7.1						<u> </u>	Mem Select >
		12CF(1)	<u> </u>	•		-		8 .										·					Mem Select From "A"
51	0.	12BF(2)		-		-	-	7			-	•	-		- ·			9	<u> </u>				Mem Select From "A"
52	Sur	52AF(1)	<u> </u>			(	<i>y</i> .	8 ,	-	<u> </u>	-									-	<u> </u>	-	Mem Select From "A" Mem
53		12DF(7)		-	<u> </u>	*\	-	22	-	,	-		-				-					4	From "B"
•		4af(1 ^{1/2} ) 4af(5 ^{1/2} )	-	-		-	-	18	<del>                                     </del>		,			-					<u> </u>	-	-		Display SW From "B" Display SW
	1			•	,			10	-3	1		•••		<del>                                     </del>	 	,					<u> </u>	. ;	From "B"
56	, ,	15CF(2) 55CF(1)								-				ļ				<b>7</b> 5	-	<del>                                     </del>	<u> </u>		Mem Select From "B" Mem Select
l, 🖟	1	5DF(2)				-		-/-		- 9	-	┝	<del> </del>	<u> </u>	,	<b> </b>		, · <b>.</b>		T		-	From "B"  Mem Select
	AB	55F(2) 55AF(1)	-	<del> </del>		İ	+-			<del> </del>	<del> </del>	<u> </u>			<u> </u>				<u> </u>	<del> </del>	<b>-</b>		From "B" Mem Select
	<b></b> 14	P3AF(1)	ı.	I.	•	1	1	p.	1	.1	1		1		ŀ	f .		1	ı	1	i .		mem seiect

Table 4-2. Wiring Lists (Cont'd)

<u> </u>			<del></del>	,				1.810	1e 1	-2,	WI	ing	LIBI		ouf.	a)	-						
P/	ART J 5488A	(CONT'D)	,			<del>,</del>		,			. <u> </u>	, .	<b>,</b>	<u> </u>	<del>.,</del>	<u> </u>					<u>.</u>		
/\$			ger (		\$ \$ \$							A STATE OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PAR						/ */:			9/3		REMARKS
61	CHAN OK	A6(H) -					1	н				34								1.		9	To LPI
62	DBP DEFEAT	A6(21)	1					21				12			<del>                                     </del>				1			37	To LPI Line 162
ماله	MAARI	A6(A)	•	-	1	-		A					10	,	7	-		,	<b>%</b>				To Memory Line 133
64	MBARI	A6(B)						В					41	7						1			To Memory Line 132
65	MBARO	A6(C)		•				c					15			·			ļ.				To Memory
66	MAARO	A6(D)						D					16				٠						To Memory
67	OVERLAY	A6(16)	<u></u>		3			16	16									Ŀ					
-	SEG	A6(17)		,			<u> </u>	17	6														
	A DEP	A6(P)						P	13			<u> </u>				<u> </u>					·		
		SIAP(7 ^{1/2} )	·					<u>                                     </u>	<u> </u>								,		<u> </u>				From "A" Display SW
71		BIAF(3 ^{1/2} )				,	<u></u>		В	-											•		From "A" Display SW c
72		S4AF(7 ^{1/2} )			ļ 				<u> </u>	ļ		-			-							- /	From "B" Display SW
73	"B" INPUT SIGNAL "A"	54AP(3 ^{1/2} )							E_	<u> </u>				_	<u> </u>				ļ				From "B" Display SW
. 74	VERNIER	A10R10							H.	ļ		<u> </u>		ļ.,								<u>,</u>	
, 75	POSITION	R5	*				'		r.		_	(C)			ļ	<u> </u>		ļ 	ļ				
76	"B" VERNIER "B"	A11R10	-,						3	ļ	-	<u> </u>	 		<u> </u>		4					. ,	
77	POSITION VERT	M			· 6				M	<del> </del> -	-		<u>'</u>	<del>, ,</del>		<u> </u>							To Diep Sect &
78	DEFL C.S.	A7(18)		••••					18	<b> </b> -	<u> </u>	1 3 4 7	.40			<u> </u>					-	-	Vert Scope Out From Ext
	ATTACHED 10 MNZ					•	15,8		14	<b>-</b>			<b> </b> -	19		_	ភ				7	•	From LPI
	CLOCK TIME NB-	P25(41)						,		V		41 *	,						¥., ".	•		16	Line 43
		50								-	<u> </u>	<u> </u> -	<u></u>	<u> </u>		<u>,</u>	<u> </u>	··· ,	-		~		
i I									-	1.	<u>.</u>	-	<del> </del>	•		<b> </b>	<b> </b> -			$\vdash$			From LPI
		P25(40)				O			-	•		40				<del> </del>							Line 153 To LPI
2.0	COUNT	A4(23) /							<del> </del>	22		30									7	5	Line 103 To MFL
	7180	AB(18)		1				·		15			33	- 1 - 1 - 1 - 1									Line 31 To LP1
36	TETE	A0(S)		-1.		l la	-		-	8		17			*	/~							Line 198 To LPI
87	VARIANCE	AS(T) AS(Y)		•						T v		18	1 - 4					: :					Line 160 To J32 (Rear)
	MOREZ	A9(Y) P36(44)	-						43	,	10 .		4	46			·				-		Variance Out From mem Line 42 to Rear Read IR
	RESET	P25(14)				-						14	-	-									From LPI Line 38
77		F 947 LT/				<del></del>	أسبينا				•	14	L	L	<b></b>	بـــا	لنسسيا	<u>.                                    </u>		سنسا		30	Line 35

Table 4 $\frac{1}{2}$ . Wiring Lists (Cont'd)

P/	LRT J 5488A	(CONT'D)	,		7.	,	<del>.,</del>	<del>.,</del>	<del>,</del> -	7	,	, .	,		,	·		19 g		· ·	,	;	·
/3		S STATE			\$ \\$ \\$ \\$			\$ 2				A A A	/2		/2					130	/2		REMAR
.91	MC8 INPUT	P27(49)					- -				,	·	7	49			٠	,				,	From Res J31 MCS I
92	PLOT.	P27(45)						· .			14			45							*	٠	From Rea J14 Plot
	L RECORD	P27(40).	. *			- 1	•	•		-	21			40						ļ	39		From L. D Line 24
94	EXT SAMPLE	P27(15)									18		-	15		<u>.</u>				· 		, ;	From Rea J4(Sample From Disj
95	Z AXE SWEEP	P27(41)	(3)	3)	ر و			:	• `	. ·	Z			41		_			,		,	•	Line 21 To Rear J
	VOLTAGE POLEYNC		<b>V</b>	مر مر							8	·		23					<u>-</u>	<u> </u>		<del></del>	Sweep V.O To Rear
	OUT NEG SYNC	A9(1)	-								1	-		39	<del>                                     </del>			-	. 1	,			J8 To Rear
	OUT	A9(7)	Ţ		-				-	-	7	47		14								2	J7 : To LPI
	COUNT UP	A9(22)				` -			<u> </u>		22	26			<del>,</del> –							1	Line 90 To LPI Line 41
	SEEK	A9(13)				•					13	,		44		ļ					į.		To Rear Panel J13
	BIT NO. 1			4, D	2.4	,	٠.				۲.	· ·	1.	77	- 4		į.	)			• 4,1		Parci VIA
	BIT NO 2			15,8										#	•				,				
	BIT NO. 3			18, T							·							,			:		
105	BIT NO.4	A2(15, P)		13, P	6, 13			12	<u>.</u>		Ļ				٠								
106	START	A1(0,J)					•			<u> </u>	<u> </u>		, í			_					<i></i>	,	Not Used
107	POINT NO. 1	A1(4, D)		,	ļ 							ļ					<u></u>		ļ			 	Not Used
	<b>_</b>		<del>-</del>			-					ļ <u>.                                    </u>	_				<u> </u>		<del></del>				ļ	
						-	;		ļ	ļ	<u> </u>		7		_	-		<u> </u>					
٠,		<b>4</b> -								v <b></b> ,													
	<b></b>		-	<del>-</del> -	<del> </del>				<b> </b>		,	-			<u> </u>			-		-			
		,	°			<del> </del>		<del></del>	<del> </del>		-	<del>  -</del>		•	-	-	<del>                                     </del>	<del>                                     </del>		. 1			•
				<b>—</b> —		<del> </del> -			<b> </b>	<u> </u>	1.0												•
		ì	•		<u> </u>					,					/ <u>-</u>								
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## NOTES

- I. J9 AND J29 CAN BE USED AS INPUTS TO DISPLAY SECTION WHEN PLUG-INS ARE REMOVED.

  2. CAN BE USED AS INTENSITY MODULATION INPUT AT ANY TIME.

  3. AIA4 WAS (01200-66506) IN OLDER INSTRUMENTS, THE CURRENT BOARD IS A DIRECT REPLACEMENT FOR THE OLDER ONE.

Figure 4-7 5480A/B (Display Section A1) Wiring List: Table 4-2, Part B

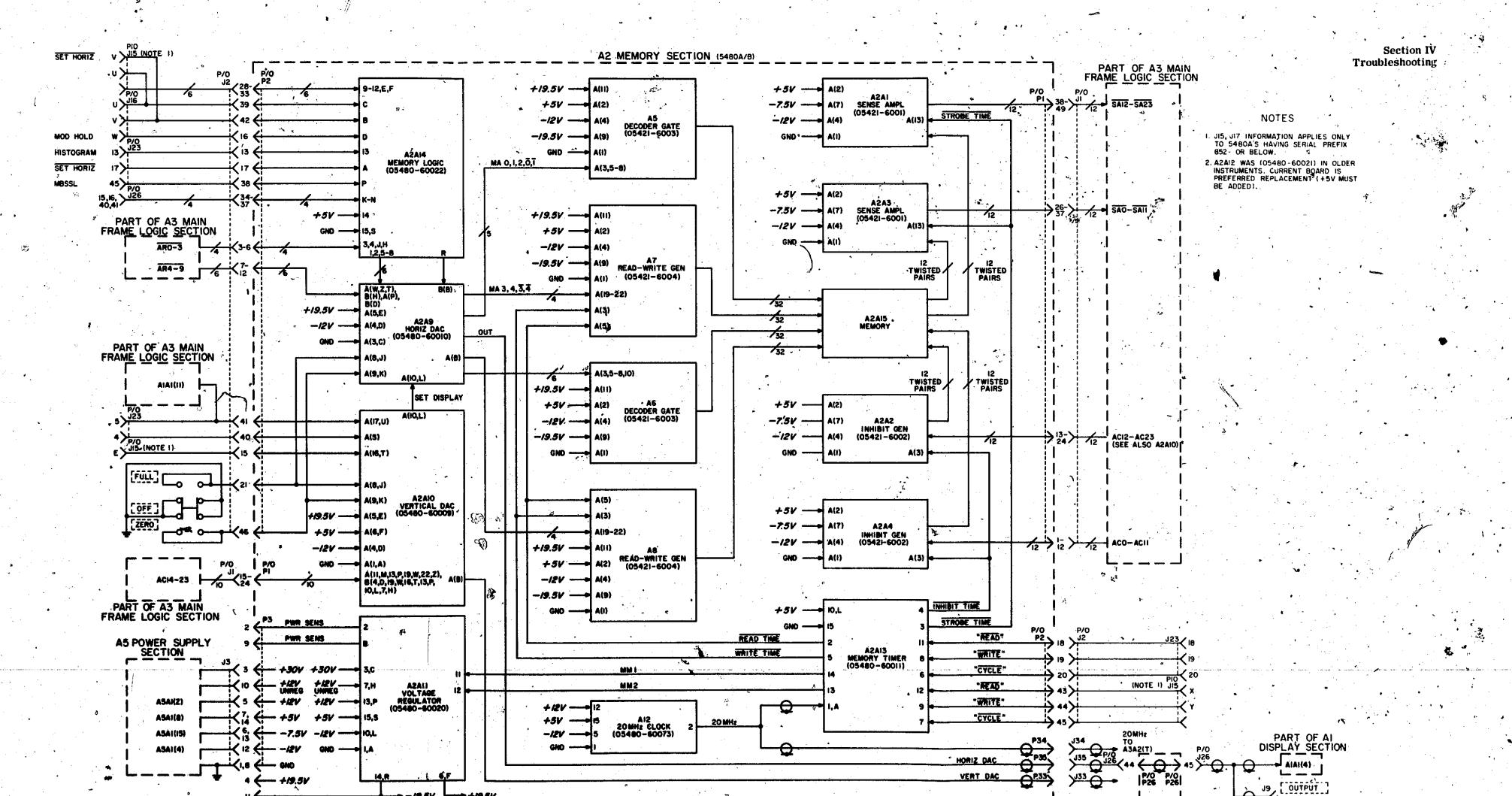
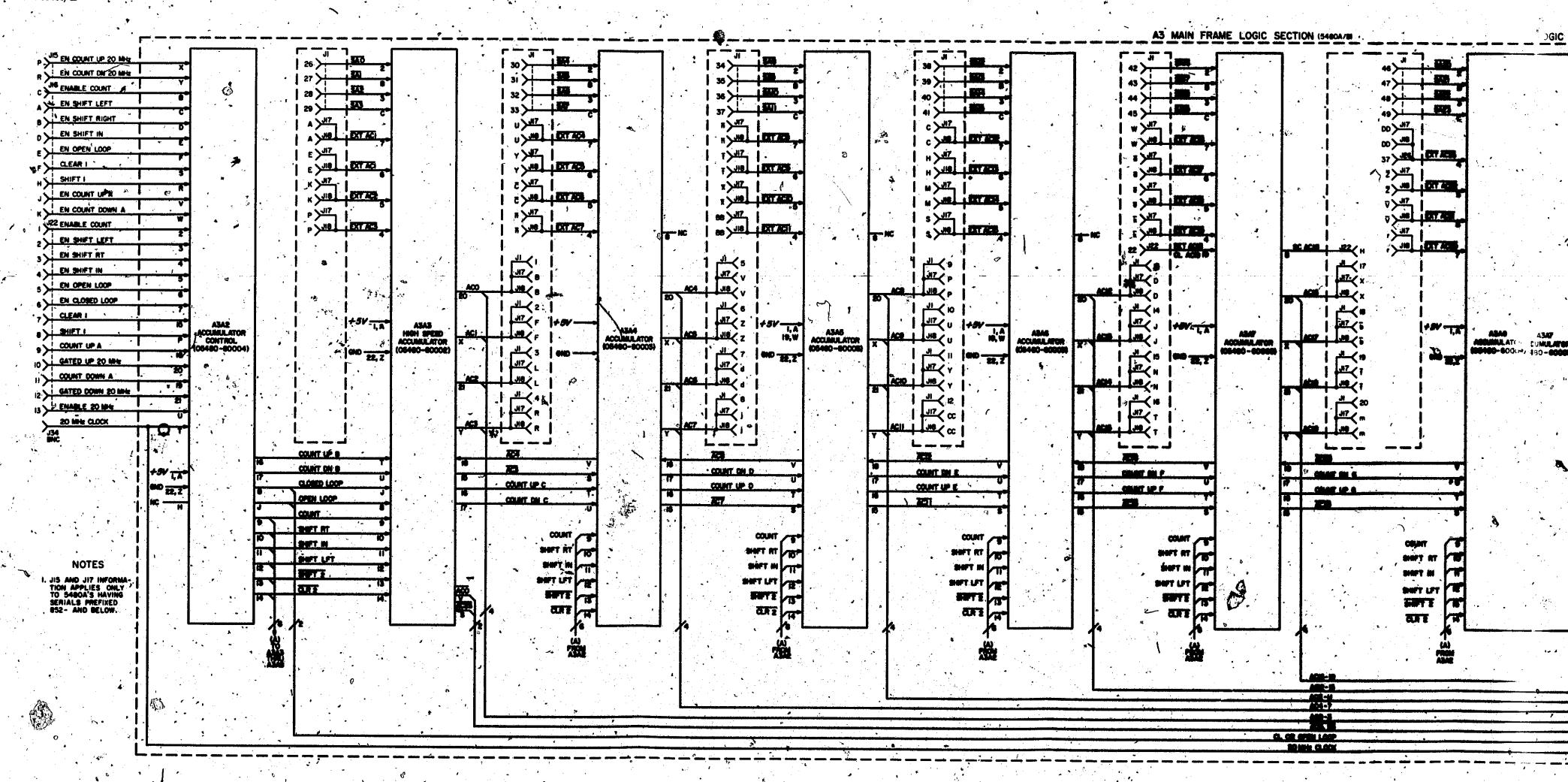


Figure 4-8 5480A/B (Memory Section A2) Wiring List: Table 4-2, Part C

HORIZ DAC

API



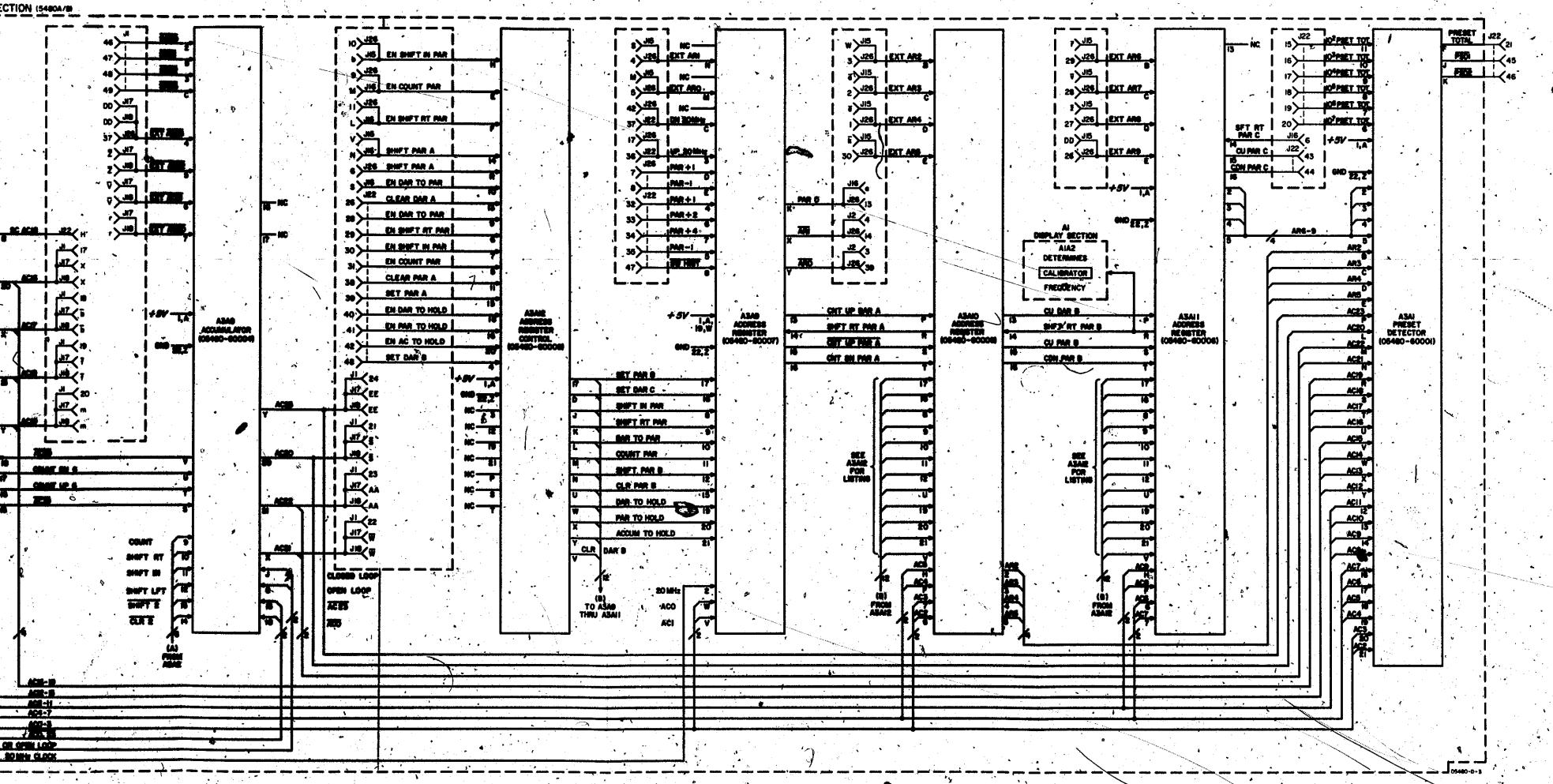
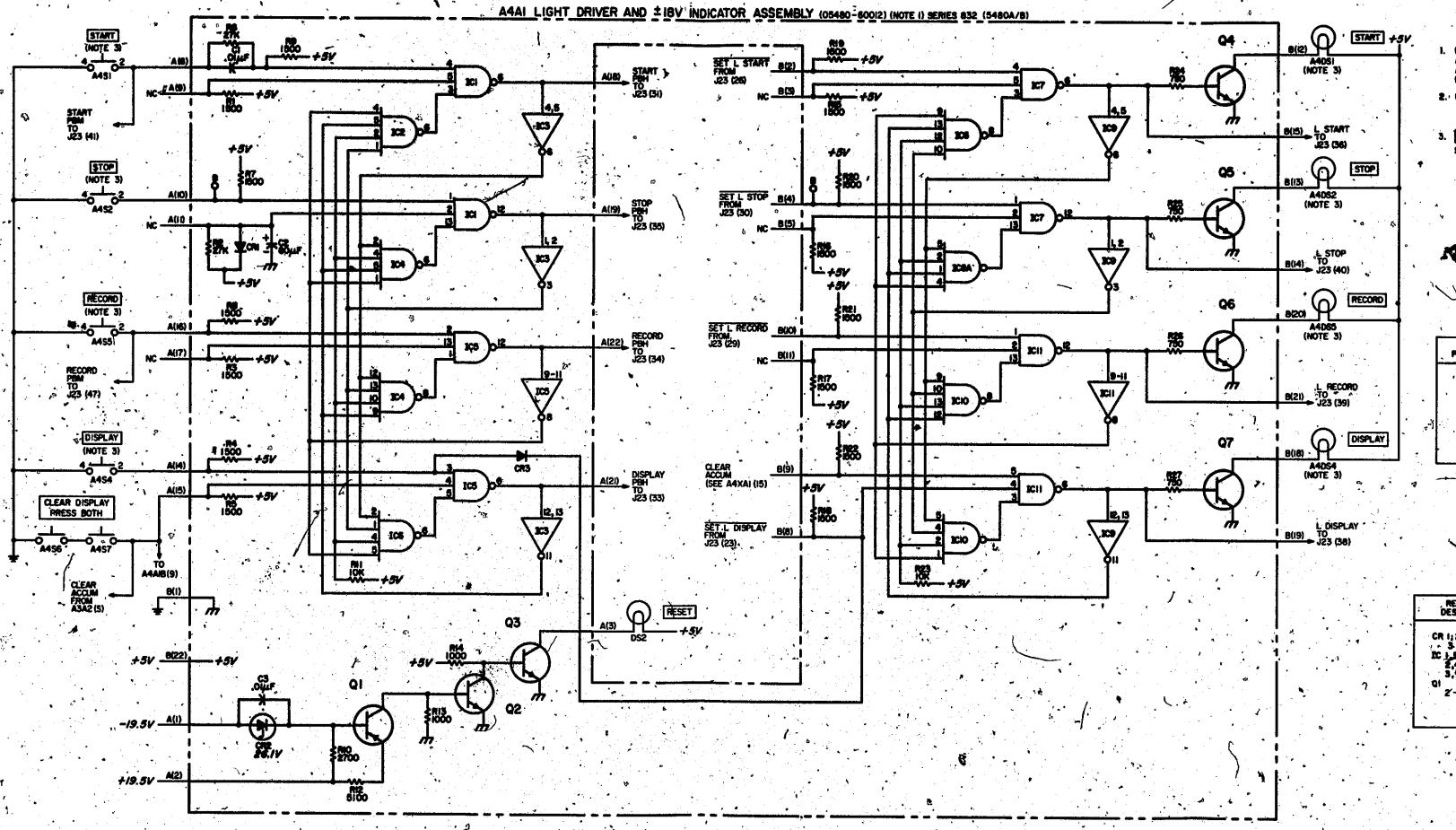


Figure 4-9
5480A/B (Main Frame Logic A3)
Wiring List: Table 4-2, Part D

Main Frame Logic Section (A3) is located at the lower left-hand rear corner of the 5480A/B. Board assemblies are numbered, in order, from the rear to the front of the instrument; there is a vacant (spare) board location between A1 and A3.

Figure 4-9 5480A/B (MAIN FRAME LOGIC A3)

Wiring List: Table 4-2, Part D



NOTES

- 1. REFERENCE DESIGNATIONS WITHIN THIS ASSEMBLY ARE ABBREVIATED. ADD ASSEMBLY NUMBER TO ABBREVIATION FOR COMPLETE DESCRIPTION.
- 2. UNLESS OTHERWISE INDICATED: RESISTANCE IN OHMS; CAPACITANCE IN PICOFARADS;
  - START STOP DISPLAY RECORD
    SWITCH CONNECTIONS
    2,4: MORMALLY OPEN
    1,3: NORMALLY CLOSED
    CENTER CONNECTIONS: LAMP

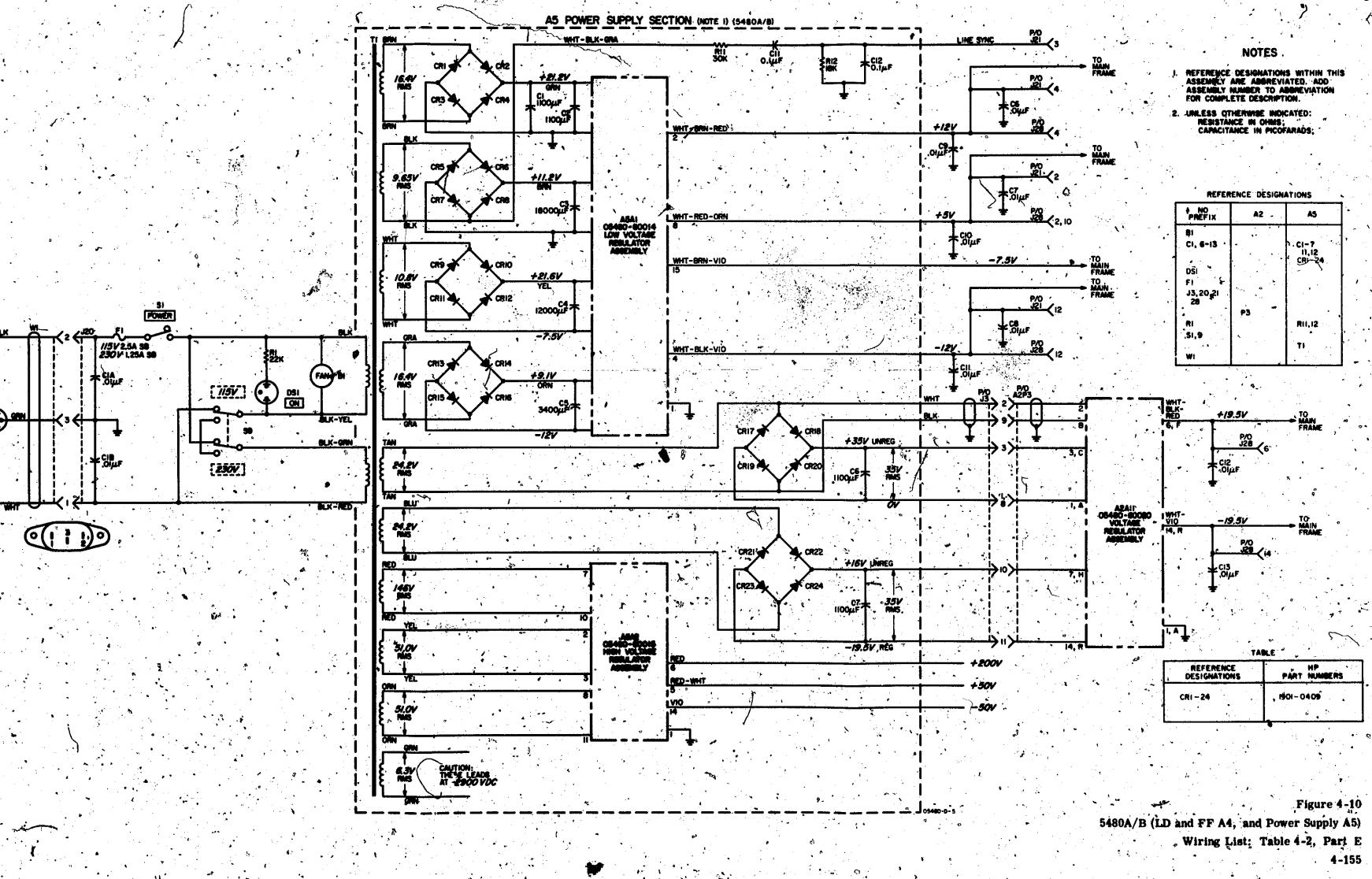


A4	A4A1
	CI-3 CRI-3
051,2,4,5	
	IC -    Q -7
\$1,2,4-7 .	R1-27-
	051,2,4,5

TABLE

, REFERENCE . DESIGNATIONS	PART NUMBER	
CR 1; 2 3 1C 1,8,7,11 2,4,6,8,10 3,9 01 2'-7	1901 - 0040 1902 - 3268 1820 - 0068 - 0069 - 0054 1853 - 0020 1854 - 0248 2N3643	, , , , , , , , , , , , , , , , , , ,

**Q** 



## NOTES:

- 1. A4 (A4A1) is located immediately behind the 5480A/B front-panel section on which the illuminated pushbuttons are mounted. For access to this section, remove top cover, and swing memory section deck out of the way.
- 2. A5 (Power Supply Section) is located at lower right-hand rear corner of 5480A/B unit. For access to boards in this section, remove top cover and swing memory section deck out of the way. For access to board sockets, remove bottom cover.

Figure 4-10

5480A/B (LD and FF A4, and POWER SUPPLY A5)

Wiring List: Table 4-2, Part E

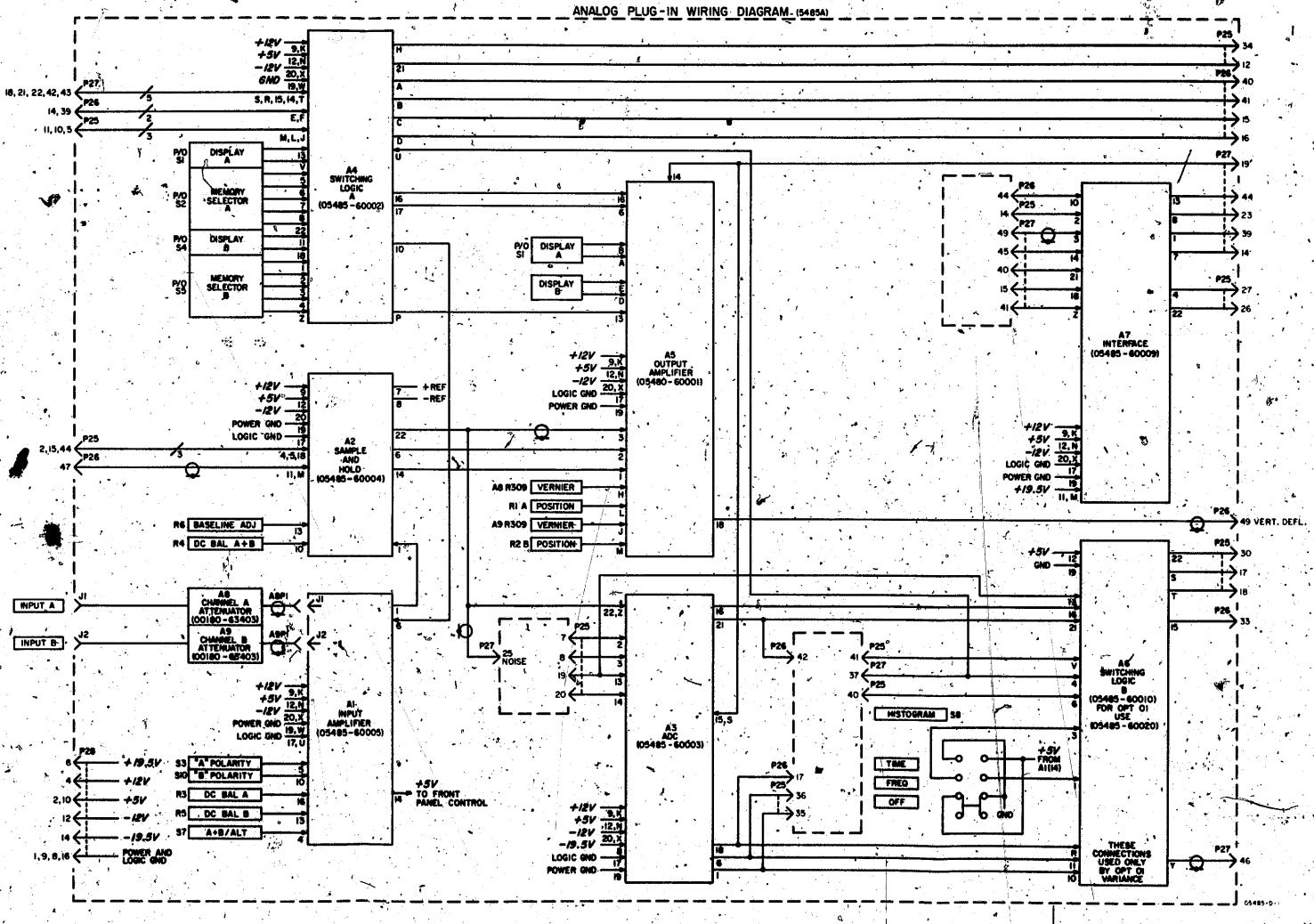


Figure 4-11

Wiring List: Table 4-2, Part G