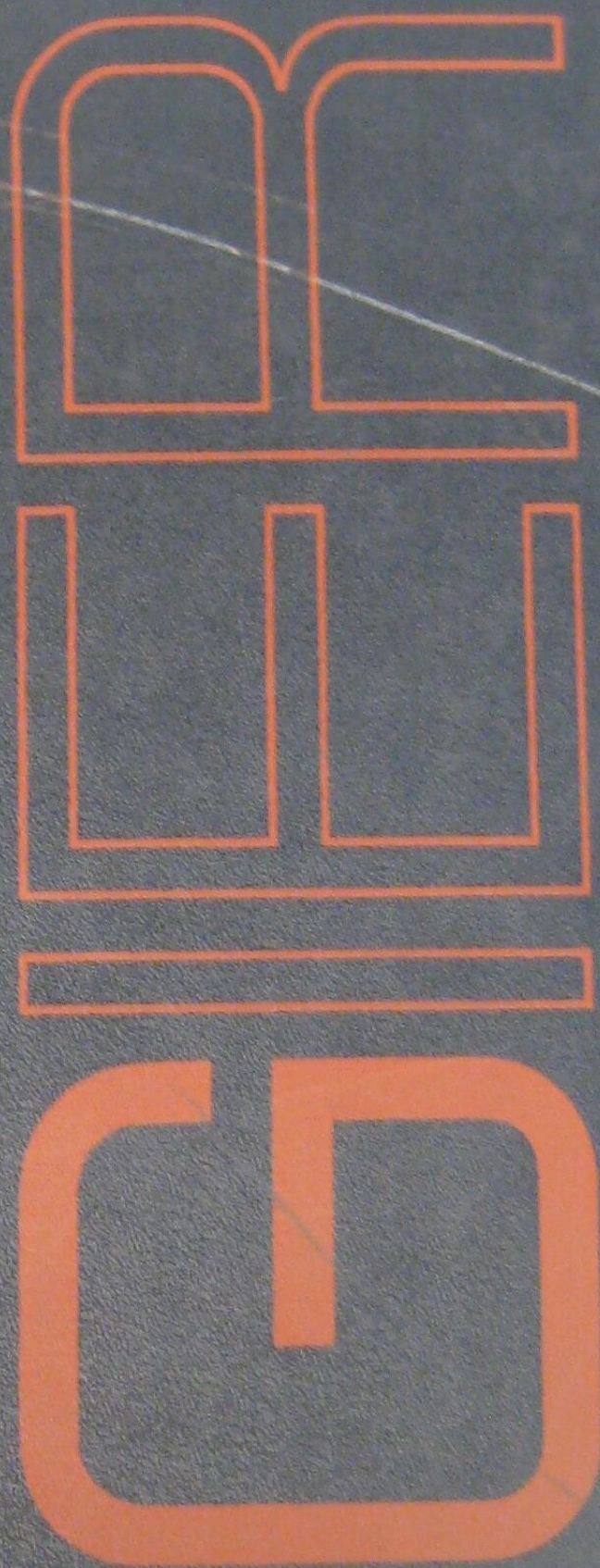




ELECTRONICS

Order No.: 365

Class: 0.1

Type: Report

Author: J. Routh Sørensen

Ed.: August 1965

Teknisk Beskrivelse
af
RC-adapter for AMPEX TM-7
Bind 2

PIN	Special Wire	Wired To	Wired To	— X —	Name of Signal	PIN
1						1
2						2
3						3
4						4
5	0 Volts	T2-15	T1-15		0 Volts	5
6						6
7						7
8			U3-4			8
9			U3-2			9
10			U2-4			10
11			U2-2			11
12			U1-4			12
13			U1-2			13
14			T1-5	- x		14
15						15
1N			T11-3		M 2	1N
2N						2N
3N						3N
4N						4N
5N						5N
6N						6N
7N						7N
8N						8N
9N			T2-13			9N
10N						10N
11N						11N
12N						12N
13N	+ 8 Volts	T2-14			+ 8 Volts	13N
14N	- 24 Volts	T2-3N			- 24 Volts	14N
15N	- 8 Volts	T2-2N			- 8 Volts	15N

PIN	Special Wire	Wired To	Wired To	— X —	Name of Signal	PIN
1		SB-a1				1
2		SB-b1				2
3		SB-c1				3
4		SB-d1				4
5		SB-e1				5
6						6
7						7
8						8
9						9
10						10
11						11
12						12
13						13
14						14
15						15
1 N						1 N
2 N						2 N
3 N						3 N
4 N						4 N
5 N						5 N
6 N						6 N
7 N						7 N
8 N						8 N
9 N						9 N
10 N						10 N
11 N						11 N
12 N						12 N
13 N						13 N
14 N						14 N
15 N						15 N
1 N						1 N
2 N						2 N
3 N						3 N
4 N						4 N
5 N						5 N
6 N						6 N
7 N						7 N
8 N						8 N
9 N						9 N
10 N						10 N
11 N						11 N
12 N						12 N
13 N						13 N
14 N						14 N
15 N						15 N

PIN	Special Wire	Wired To	Wired To	—X—	Name of Signal	PIN
1		SB-d3			FWD/REV to Tape Station	1
2		SB-d5			RUN/STOP to Tape Station	2
3		SB-c5			WRT. PERM. to Tape Station	3
4		SB-e3			REWIND to Tape Station	4
5		SB-a5			REWIND to Tape Station	5
6		SB-b5			READ PERM. to Tape Station	6
7		SB-e5				7
8		T10-14N				8
9						9
10		T10-12N			AWR	10
11						11
12		S10-5N			M 3	12
13		S9-13N			M 00	13
14	+ 8 Volts		T9-10N	- x -	+ 8 Volts	14
15	0 Volts			- x -	0 Volts	15
1 N	0 Volts			- x -	0 Volts	1 N
2 N	- 8 Volts			- x -	- 8 Volts	2 N
3 N	- 24 Volts			- x -	- 24 Volts	3 N
4 N						4 N
5 N		S11-4				5 N
6 N						6 N
7 N		S12-4				7 N
8 N						8 N
9 N		S6-5N				9 N
10 N						10 N
11 N		S6-9N				11 N
12 N			T5-6			12 N
13 N		T5-9N				13 N
14 N						14 N
15 N		T4-2				15 N

PIN	Special Wire	Wired To	Wired To	— X —	Name of Signal	PIN
1		T2-11				1
2		T3-15N				2
3		S5-12N				3
4		T15-7				4
5		S3-15N				5
6		S6-2			FWD/REV	6
7		S19-4				7
8						8
9		S3-6			S 2	9
10		S6-9				10
11		S7-1				11
12		S7-5				12
13		S3-1			S 1	13
14	+ 8 Volts			- x -	+ 8 Volts	14
15	0 Volts			- x -	0 Volts	15
1 N	0 Volts			- x -	0 Volts	1 N
2 N	- 8 Volts			- x -	- 8 Volts	2 N
3 N	- 24 Volts			- x -	- 24 Volts	3 N
4 N		S3-9			S 3	4 N
5 N		S9-7				5 N
6 N		S5-5N			BUSY	6 N
7 N		T16-3				7 N
8 N		T16-5				8 N
9 N		S9-5N			CH 4	9 N
10 N		S5-10N			KP 1	10 N
11 N		S3-9N			S 2	11 N
12 N		S5-9N				12 N
13 N		T4-9			S 2	13 N
14 N		T4-10N			KP 1	14 N
15 N						15 N

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pos.

PIN	Special Wire	Wired To	Wired To	— X —	Name of Signal	PIN
1		T8-1				1
2		S6-11N				2
3		T16-15N				3
4		S5-6N				4
5		S10-13N				5
6		T3-11N				6
7		T14-6			RUN	7
8						8
9		S5-2			ST 4	9
10		S9-15N			M 00	10
11		T12-3	T9-9N S9-14N		M 4	11
12		S9-12N			M 3	12
13		T14-7			OT = 0	13
14	+ 8 Volts			- x -	+ 8 Volts	14
15	0 Volts			- x -	0 Volts	15
1N	0 Volts			- x -	0 Volts	1N
2N	- 8 Volts			- x -	- 8 Volts	2N
3N	- 24 Volts			- x -	- 24 Volts	3N
4N						4N
5N		T4-6			FWD/REV	5N
6N		T14-6N				6N
7N						7N
8N						8N
9N						9N
10N		S6-13N S10-5	T3-13N			10N
11N						11N
12N						12N
13N						13N
14N		T14-10 T8-2				14N
15N						15N

PIN	Special Wire	Wired To	Wired To	— X —	Name of Signal	PIN
1		S2-11	S19-8N		0 → LT	1
2		T7-1				2
3		T7-3	T6-13N			3
4		T7-4				4
5		T7-6				5
6		U23-14			ST 3	6
7		S13-13			ST 1	7
8		T6-15N			+ 1.6 Volts	8
9	+ 1.6 Volts	T7-10				9
10					ST 3	10
11		S8-11				11
12					ST 1	12
13		S4-2			+ 8 Volts	13
14	+ 8 Volts	T10-14		X -	0 Volts	14
15	0 Volts			- X -		15
1N	0 Volts			- X -	0 Volts	1N
2N	- 8 Volts	T7-11N		X -	- 8 Volts	2N
3N	- 24 Volts	T10-4N		X -	- 24 Volts	3N
4N					ST 3	4N
5N		S4-7N				5N
6N		S1-2				6N
7N						7N
8N						8N
9N		S8-10N	T12-4		M 5	9N
10N						10N
11N		S10-6N				11N
12N						12N
13N		T6-3				13N
14N		S12-5				14N
15N		T6-8				15N

drawn by	L.N.L.
checked	1.6.65
checked	
checked	

Wiring Schedule

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PIN	Special Wire	Wired To	Wired To	--X--	Name of Signal	PIN
1		T6-2	T7-2			1
2		T7-1				2
3		T6-3				3
4		T6-4				4
5		T18-3				5
6		T6-5				6
7						7
8						8
9						9
10	+ 1.6 Volts	+ 1.6 V Term, P.S.	T6-9		+ 1.6 Volts	10
11						11
12						12
13						13
14						14
15	0 Volts			- x -	0 Volts	15
1 N	0 Volts			- x -	0 Volts	1 N
2 N						2 N
3 N						3 N
4 N						4 N
5 N						5 N
6 N						6 N
7 N						7 N
8 N						8 N
9 N						9 N
10 N		T10-11	S3-12		MCL	10 N
11 N		U7-11			0 --> Reg. 2	11 N
12 N	- 8 Volts	T6-2N		- x	- 8 Volts	12 N
13 N		V 13-11			0 --> Reg. 1	13 N
14 N		S9-12	T19-1		OGP --> LT	14 N
15 N		V11-1			OGP --> Reg. 1	15 N
		V10-1			OGP --> Reg. 1	

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PIN	Special Wire	Wired To	Wired To	— x —	Name of Signal	PIN
1		T5-1				1
2		S9-5				2
3		T17-3				3
4		S1-9N				4
5		S13-13N				5
6		T8-7				6
7		T8-6				7
8		T18-2				8
9						9
10						10
11						11
12						12
13						13
14						14
15	0 Volts			- x -	0 Volts	15
1 N	0 Volts			- x -	0 Volts	1 N
2 N						2 N
3 N						3 N
4 N						4 N
5 N						5 N
6 N						6 N
7 N		U10-12N				7 N
8 N		U9-12N				8 N
9 N		U13-12N				9 N
10 N		T8-7				10 N
11 N	- 8 Volts					11 N
12 N		S7-14N		- x -	- 8 Volts KP 80	12 N
13 N		S10-12N			Shift 2	13 N
14 N		U9-6N				14 N
15 N		U10-6N				15 N

drawn by	L.N.L.
checked	1.6.65
checked	
checked	

Wiring Schedule

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pos.	
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PIN	Special Wire	Wired To	Wired To	—X—	Name of Signal	PIN
1						1
2			T10-13N			2
3			T10-10N			3
4			T9-6			4
5			T9-5			5
6						6
7						7
8						8
9						9
10						10
11			T7-9N		MCL	11
12						12
13			S3-e10		Addr. from BF	13
14	+ 8 Volts		T6-14	- x	+ 8 Volts	14
15	0 Volts			- x	0 Volts	15
1 N	0 Volts			- x	0 Volts	1 N
2 N	- 3.2 Volts			- x	-3.2 Volts	2 N
3 N	- 8 Volts		T9-11N	- x	- 8 Volts	3 N
4 N	- 24 Volts		T6-3N	- x	- 24 Volts	4 N
5 N						5 N
6 N						6 N
7 N						7 N
8 N						8 N
9 N						9 N
10 N			T10-3			10 N
11 N			T4-3			11 N
12 N			T3-10		AWR	12 N
13 N			T10-2			13 N
14 N			T3-8			14 N
15 N			T17-7			15 N
			S8-9	- x		

pos.	T 10	1007A-7
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PIN	Special Wire	Wired To	Wired To	— x —	Name of Signal	PIN
1						1
2						2
3		V25-1N	S10-10N		M 2	3
4		S10-8	T1-1N		M 2	4
5		S12-9	T16-11		M 3	5
6		S12-8N			M 3	6
7						7
8						8
9						9
10						10
11						11
12		S3-cl2			AD 12	12
13		S3-d12			AD 13	13
14	+ 8 Volts			- x -	+ 8 Volts	14
15	0 Volts			- x -	0 Volts	15
1 N	0 Volts			- x -	0 Volts	1 N
2 N	- 3,2 Volts			- x -	- 3,2 Volts	2 N
3 N	- 8 Volts			- x -	- 8 Volts	3 N
4 N	- 24 Volts			- x -	- 24 Volts	4 N
5 N						5 N
6 N						6 N
7 N						7 N
8 N						8 N
9 N						9 N
10 N						10 N
11 N						11 N
12 N				- x -	AWR	12 N
13 N						13 N
14 N						14 N
15 N						15 N

PIN	Special Wire	Wired To	Wired To	— X —	Name of Signal	PIN
1						1
2						2
3						3
4					M 4	4
5					M 4	5
6					M 5	6
7					M 5	7
8						8
9						9
10						10
11						11
12					AD 14	12
13					AD 15	13
14	+ 8 Volts	S3-el2		x -	+ 8 Volts	14
15	0 Volts	S3-el1		- x -	0 Volts	15
		T14-14				
1N	0 Volts			- x -	0 Volts	1N
2N	- 3.2 Volts	T19-2N		x -	- 3.2 Volts	2N
3N	- 8 Volts	T13-11N		x -	- 8 Volts	3N
4N	- 24 Volts	T13-9		x -	-24 Volts	4N
5N						5N
6N						6N
7N						7N
8N						8N
9N						9N
10N						10N
11N						11N
12N				- x -	AWR	12N
13N						13N
14N						14N
15N						15N

PIN	Special Wire	Wired To	Wired To	— X —	Name of Signal	PIN
1		S13-11N			ORT - 1 = A	1
2		T14-10N				2
3		T15-3				3
4		T25-14N				4
5		T15-5			LT + 1	5
6		T15-8			EOP	6
7		T5-13				7
8		T15-1			OT = 0	8
9					CH = 0	9
10		T12-5			M 5	10
11		S15-3				11
12						12
13		S20-6				13
14	+ 8 Volts	T12-14		- x	+ 8 Volts	14
15	0 Volts			- x	0 Volts	15
1N	0 Volts			- x	0 Volts	1N
2N	- 8 Volts	T13-11N		- x	- 8 Volts	2N
3N	- 24 Volts	T13-9		- x	- 24 Volts	3N
4N						4N
5N		SB-d9			REWINDING from Tape St.	5N
6N		T16-7			SFM	6N
7N		S18-15N				7N
8N						8N
9N		T14-3				9N
10N		T14-2			A	10N
11N		T9-10N			M 00	11N
12N						12N
13N		T13-13N				13N
14N		S13-15N				14N
15N		S13-6N				15N

PIN	Special Wire	Wired To	Wired To	-- X --	Name of Signal	PIN
1		S15-15N	T14-8		CH = 0	1
2		T17-9N				2
3		T14-3				3
4		S18-14N				4
5		T14-5			EOP	5
6		S18-5				6
7		T4-4				7
8		T14-6			REWINDING	8
9						9
10		S17-6			SFM	10
11		T14-7N				11
12		S17-9	V23-15N			12
13						13
14	+ 8 Volts			- x -	+ 8 Volts	14
15	0 Volts			- x -	0 Volts	15
1 N	0 Volts			- x -	0 Volts	1 N
2 N	- 8 Volts			- x -	- 8 Volts	2 N
3 N	- 24 Volts			- x -	- 24 Volts	3 N
4 N						4 N
5 N		T16-4N	T9-9N		M 00	5 N
6 N		S15-2			CH 1	6 N
7 N						7 N
8 N		S14-4N	T18-12N		ST 4	8 N
9 N		S13-1				9 N
10 N		T4-10	S12-10N			10 N
11 N		T14-7			OT = 0	11 N
12 N		T12-4	T16-13N		M 5	12 N
13 N		S15-13N				13 N
14 N		S15-9N				14 N
15 N		S16-15N				15 N

drawn by	L.N.L.
checked	1.6.65
checked	5.11.67
checked	

Wiring Schedule

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pos.
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pos.	T 16	1010-8
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PIN	Special Wire	Wired To	Wired To	— X —	Name of Signal	PIN
1		T17-8				1
2		S14-10N				2
3		T8-3				3
4		T13-5				4
5		T13-6				5
6		S19-9				6
7		T10-15N	SB-e9		READY from Tape Station	7
8		T17-1				8
9		U19-13				9
10		V24-9N				10
11		V24-11N				11
12		V24-13N				12
13		V24-15N				13
14	+ 8 Volts			- x -	+ 8 Volts	14
15	0 Volts			- x -	0 Volts	15
1N	0 Volts			- x -	0 Volts	1N
2N	- 8 Volts			- x -	- 8 Volts	2N
3N	- 24 Volts			- x -	- 24 Volts	3N
4N		U19-12			5	4N
5N		S3-5N				5N
6N		T16-2				6N
7N						7N
8N						8N
9N		T15-2				9N
10N		T9-15N	T18-6N		2 --> 1	10N
11N		S14-5N			OGP --> Reg. 1 P	11N
12N						12N
13N						13N
14N						14N
15N		T10-11			MCL	15N

PIN	Special Wire	Wired To	Wired To	Wired To	—X—	Name of Signal	PIN
1							1
2							2
3							3
4							4
5							5
6							6
7							7
8							8
9							9
10							10
11							11
12							12
13							13
14							14
15							15
1N							1N
2N							2N
3N							3N
4N							4N
5N							5N
6N							6N
7N							7N
8N							8N
9N							9N
10N							10N
11N							11N
12N							12N
13N							13N
14N							14N
15N							15N
1N							1N
2N							2N
3N							3N
4N							4N
5N							5N
6N							6N
7N							7N
8N							8N
9N							9N
10N							10N
11N							11N
12N							12N
13N							13N
14N							14N
15N							15N

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checked	1.6.65
checked	
checked	

Wiring Schedule

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pos	
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PIN	Special Wire	Wired To	Wired To	--X--	Name of Signal	PIN
1			T7-13N	- x	OGP --> LT	1
2						2
3						3
4						4
5						5
6						6
7						7
8						8
9						9
10						10
11				- x	0 --> LT	11
12						12
13						13
14	+ 8 Volts			- x -	+ 8 Volts	14
15	0 Volts			- x -	0 Volts	15
1 N	0 Volts			- x -	0 Volts	1 N
2 N	- 3.2 Volts		T12-2N	- x	- 3.2 Volts	2 N
3 N	- 8 Volts		T18-2N	- x	- 8 Volts	3 N
4 N	- 24 Volts		T18-3N	- x	-24 Volts	4 N
5 N						5 N
6 N						6 N
7 N						7 N
8 N						8 N
9 N						9 N
10 N						10 N
11 N				- x		11 N
12 N	-8 Volts		S19-9N T20-3N	- x	- 8 Volts	12 N
13 N						13 N
14 N						14 N
15 N			T20-4 U4-13		Line 7 Out	15 N

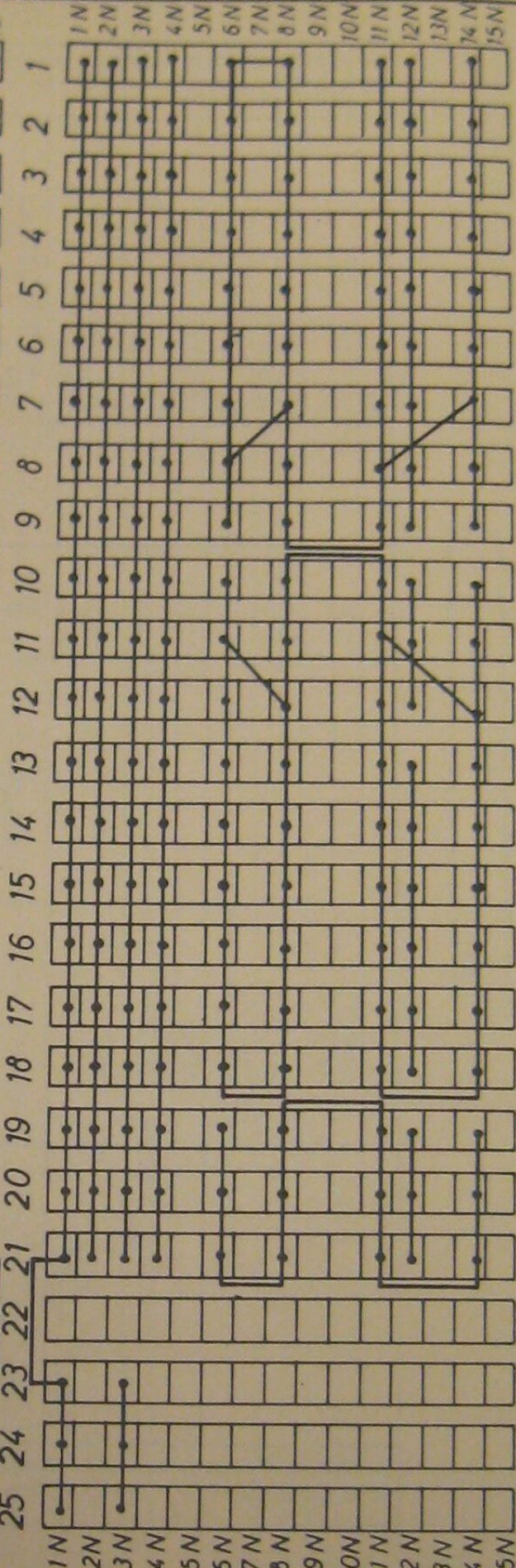
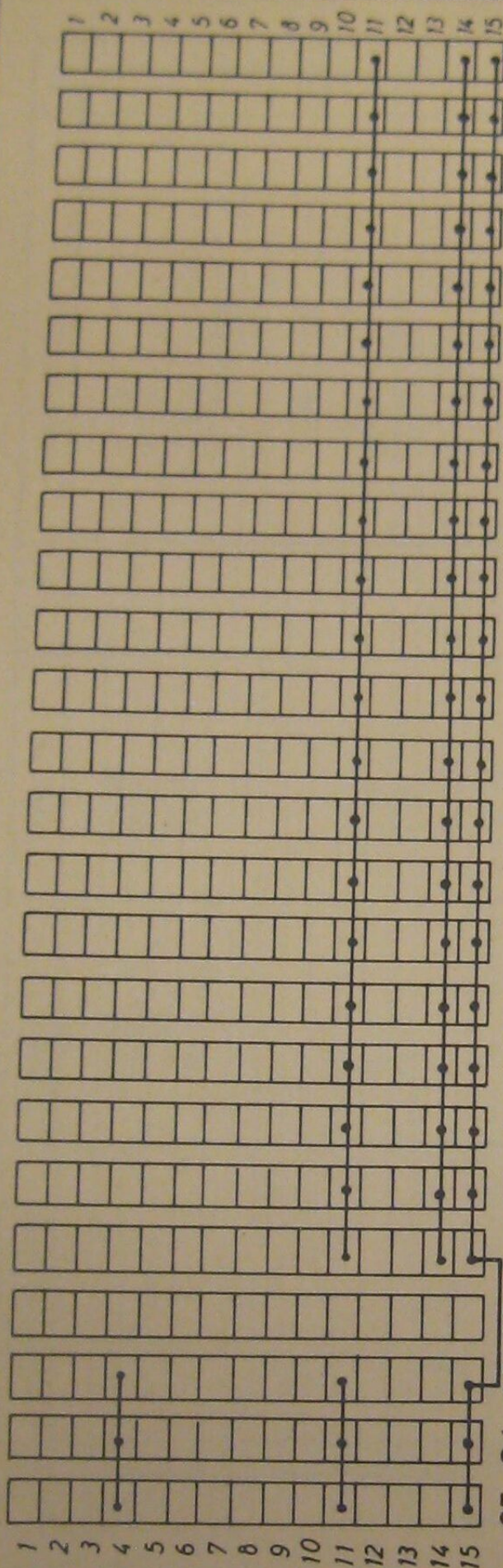
pos.	T 19	1017
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PIN	Special Wire	Wired To	Wired To	— X —	Name of Signal	PIN
1						1
2						2
3						3
4						4
5						5
6						6
7						7
8						8
9						9
10						10
11						11
12						12
13						13
14						14
15						15
1N	+ 8 Volts					1N
2N	0 Volts					2N
3N	- 3.2 Volts					3N
4N	- 8 Volts					4N
5N	- 24 Volts					5N
6N						6N
7N						7N
8N						8N
9N						9N
10N						10N
11N						11N
12N						12N
13N						13N
14N						14N
15N						15N

pos.	T 21	1017
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PIN	Special Wire	Wired To	Wired To	— X —	Name of Signal	PIN
1				— X —	OSP → LT	1
2		T22-8N				2
3						3
4		T21-14N				4
5						5
6						6
7						7
8						8
9						9
10						10
11				— X —	0 → LT	11
12						12
13						13
14	+ 8 Volts			— X —	+ 8 Volts	14
15	0 Volts			— X —	0 Volts	15
1N	0 Volts			— X —	0 Volts	1N
2N	- 3.2 Volts			— X —	- 3.2 Volts	2N
3N	- 8 Volts			— X —	- 8 Volts	3N
4N	- 24 Volts			— X —	- 24 Volts	4N
5N						5N
6N						6N
7N						7N
8N						8N
9N		T22-2				9N
10N		U7-12			Line 12 Out	10N
11N				— X —		11N
12N				— X —		12N
13N						13N
14N		T23-4				14N
15N		U7-13			Line 13 Out	15N

PIN	Special Wire	Wired To	Wired To	--X--	Name of Signal	PIN
1						1
2		V 23-6N		x -	OGP --> LT	2
3		T25-8N				3
4						4
5		T24-14N				5
6						6
7						7
8						8
9						9
10						10
11				x -	0 --> LT	11
12						12
13						13
14	+ 8 Volts	+ 8 V Term. P.S.		x -	+ 8 Volts	14
15	0 Volts	0 V Term. P.S.		x -	0 Volts	15
1 N	0 Volts	0 V Term. P.S.		x -	0 Volts	1 N
2 N	- 3.2 Volts	- 3.2 V Term. P.S.		x -	- 3.2 Volts	2 N
3 N	- 8 Volts	- 8 V Term. P.S.		x -	- 8 Volts	3 N
4 N	- 24 Volts	- 24 V Term. P.S.		x -	- 24 Volts	4 N
5 N						5 N
6 N						6 N
7 N						7 N
8 N						8 N
9 N		T25-2				9 N
10 N		U22-6N			Line 18 Out	10 N
11 N				x -		11 N
12 N				x -		12 N
13 N						13 N
14 N		T14-4			LT + 1	14 N
15 N		U22-5N			Line 19 Out	15 N



AS **REGNE**
CENTRALEN

drawn by	L. A. R.
checked	19-1-65
checked	28-1-65
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Cross Wiring At
Frame U

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PIN	Special Wire	Wired To	Wired To	--X--	Name of Signal	PIN
1						1
2					0 Out	2
3					0 Out	3
4					1 Out	4
5					1 Out	5
6					0 --- DM 160	6
7						7
8						8
9					1 --> DM 160	9
10						10
11				- x	0 Reg. 2	11
12					Line 0 Reg. 1	12
13					Line 1 Reg. 1	13
14	+ 8 Volts	V1-15N		- x	+ 8 Volts	14
15	0 Volts	V1-9N		- x	0 Volts	15
1N	0 Volts					1N
2N	- 3.2 Volts			- x	0 Volts	2N
3N	- 8 Volts			- x	- 3.2 Volts	3N
4N	- 24 Volts			- x	- 8 Volts	4N
5N					- 24 Volts	5N
6N					7 In	6N
7N				- x	Shift 2 In	7N
8N					7 In	8N
9N				- x	Shift 2 In	9N
10N					1 Out	10N
11N					6 In	11N
12N				- x	Shift 2 Out	12N
13N				- x	1 --> 2 In	13N
14N					6 In	14N
15N				- x	Shift 2 In	15N
					0 Out	

PIN	Special Wire	Wired To	Wired To	- X -	Name of Signal	PIN
1						1
2					2 Out	2
3					2 Out	3
4					3 Out	4
5					3 Out	5
6					2 → DM 160	6
7						7
8						8
9					3 → DM 160	9
10						10
11				- x -	0 Reg. 2	11
12					Line 2 Reg. 1	12
13					Line 3 Reg. 1	13
14	+ 8 Volts			- x -	+ 8 Volts	14
15	0 Volts			- x -	0 Volts	15
1 N	0 Volts			- x -	0 Volts	1 N
2 N	- 3.2 Volts			- x -	- 3.2 Volts	2 N
3 N	- 8 Volts			- x -	- 8 Volts	3 N
4 N	- 24 Volts			- x -	- 24 Volts	4 N
5 N					9 In	5 N
6 N					Shift 2 In	6 N
7 N				- x -	9 In	7 N
8 N				- x -	Shift 2 In	8 N
9 N					3 Out	9 N
10 N					8 In	10 N
11 N				- x -	Shift 2 In	11 N
12 N				- x -	1 → 2 In	12 N
13 N					8 In	13 N
14 N				- x -	Shift 2 In	14 N
15 N					2 Out	15 N

PIN	Special Wire	Wired To	Wired To	--X--	Name of Signal	PIN
1						1
2		V3-10N	T1-10		4 Out	2
3		V3-13N	T2-13N		4 Out	3
4		V3-5N	T1-8		5 Out	4
5		V3-7N	T2-15N		5 Out	5
6					4 --> DM 160	6
7						7
8						8
9					5 --> DM 160	9
10						10
11				- x -	0 Reg. 2	11
12		V23-15N	V23-4		Line 4 Reg. 1	12
13		V3-9N	V23-5		Line 5 Reg. 1	13
14	+ 8 Volts			- x -	+ 8 Volts	14
15	0 Volts			- x -	0 Volts	15
1N	0 Volts			- x -	0 Volts	1N
2N	- 3.2 Volts			- x -	- 3.2 Volts	2N
3N	- 8 Volts			- x -	- 8 Volts	3N
4N	- 24 Volts			- x -	- 24 Volts	4N
5N		U6-4			11 In	5N
6N				- x -	Shift 2 In	6N
7N		U6-5			11 In	7N
8N				- x -	Shift 2 In	8N
9N				- x -	5 Out	9N
10N		U6-2			10 In	10N
11N				- x -	Shift 2 In	11N
12N				- x -	1 --> 2 In	12N
13N					10 In	13N
14N		U6-3			Shift 2 In	14N
15N				- x -	4 Out	15N

PIN	Special Wire	Wired To	Wired To	- x -	Name of Signal	PIN
1						1
2		V4-10N	U1-10N		6 Out	2
3		V4-13N	U1-13N		6 Out	3
4		V4-5N	U1-5N		7 Out	4
5		V4-7N	U1-7N		7 Out	5
6					6 → DM 160	6
7						7
8						8
9					7 → DM 160	9
10						10
11				- x -	0 Reg. 2	11
12		V4-15N			Line 6 Reg. 1	12
13		V4-9N	T19-15N		Line 7 Reg. 1	13
14	+ 8 Volts			- x -	+ 8 Volts	14
15	0 Volts			- x -	0 Volts	15
1N	0 Volts			- x -	0 Volts	1N
2N	- 3.2 Volts			- x -	- 3.2 Volts	2N
3N	- 8 Volts			- x -	- 8 Volts	3N
4N	- 24 Volts			- x -	- 24 Volts	4N
5N		U7-4			13 In	5N
6N				- x -	Shift 2 In	6N
7N		U7-5			13 In	7N
8N				- x -	Shift 2 In	8N
9N					7 Out	9N
10N		U7-2			12 In	10N
11N				- x -	Shift 2 In	11N
12N				- x -	1 → 2 In	12N
13N					12 In	13N
14N		U7-3			Shift 2 In	14N
15N				- x -	6 Out	15N

PIN	Special Wire	Wired To	Wired To	— x —	Name of Signal	PIN
1						1
2						2
3		V5-10N	U2-10N		8 Out	3
4		V5-13N	U2-13N		8 Out	4
5		V5-5N	U2-5N		9 Out	5
6		V5-7N	U2-7N		9 Out	6
7					8 --> DM 160	7
8						8
9						9
10					9 --> DM 160	10
11				- x -	0 Reg, 2	11
12		V5-15N	T20-9N		Line 8 Reg, 1	12
13		V5-9N	T20-15N		Line 9 Reg, 1	13
14	+ 8 Volts			- x -	+ 8 Volts	14
15	0 Volts			- x -	0 Volts	15
1 N	0 Volts			- x -	0 Volts	1 N
2 N	- 3.2 Volts			- x -	- 3.2 Volts	2 N
3 N	- 8 Volts			- x -	- 8 Volts	3 N
4 N	- 24 Volts			- x -	- 24 Volts	4 N
5 N		U8-4			15 In	5 N
6 N				- x -	Shift 2 In	6 N
7 N		U8-5			15 In	7 N
8 N				- x -	Shift 2 In	8 N
9 N					9 Out	9 N
10 N		U8-2			14 In	10 N
11 N				- x -	Shift 2 In	11 N
12 N				- x -	1 --> 2 In	12 N
13 N		U8-3			14 In	13 N
14 N				- x -	Shift 2 In	14 N
15 N					8 Out	15 N

PIN	Special Wire	Wired To	Wired To	- X -	Name of Signal	PIN
1						1
2						2
3						3
4						4
5						5
6						6
7						7
8						8
9						9
10						10
11						11
12						12
13						13
14						14
15						15
1 N	0 Volts					1 N
2 N	- 3.2 Volts					2 N
3 N	- 8 Volts					3 N
4 N	- 24 Volts					4 N
5 N						5 N
6 N						6 N
7 N						7 N
8 N						8 N
9 N						9 N
10 N						10 N
11 N						11 N
12 N						12 N
13 N						13 N
14 N						14 N
15 N						15 N

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checked	

Wiring Schedule

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pos.

U 7

1007A

PIN	Special Wire	Wired To	Wired To	-X-	Name of Signal	PIN
1						1
2		V7-10N	U4-10N		12 Out	2
3		V7-13N	U4-13N		12 Out	3
4		V7-5N	U4-5N		13 Out	4
5		V7-7N	U4-7N		13 Out	5
6					12 → DM 160	6
7						7
8						8
9					13 → DM 160	9
10						10
11		T7-10N		- x -	0 Reg. 2	11
12		V7-15N	T22-9N		Line 12 Reg. 1	12
13		V7-9N	T22-15N		Line 13 Reg. 1	13
14	+ 8 Volts			- x -	+ 8 Volts	14
15	0 Volts			- x -	0 Volts	15
1 N	0 Volts			- x -	0 Volts	1 N
2 N	- 3.2 Volts			- x -	- 3.2 Volts	2 N
3 N	- 8 Volts			- x -	- 8 Volts	3 N
4 N	- 24 Volts			- x -	- 24 Volts	4 N
5 N					19 In	5 N
6 N		U10-4		- x -	Shift 2 In	6 N
7 N					19 In	7 N
8 N		U10-5		- x -	Shift 2 In	8 N
9 N		U8-6N			13 Out	9 N
10 N					18 In	10 N
11 N		U10-2		- x -	Shift 2 In	11 N
12 N				- x -	1 → 2 In	12 N
13 N				- x -	18 In	13 N
14 N		U10-3			Shift 2 In	14 N
15 N		U8-11N		- x -	12 Out	15 N

pos. U 7 1007A

drawn by L.N.L.

checked 4.6.65

checked

checked

Wiring Schedule

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pos.

U 9

1007A

PIN	Special Wire	Wired To	Wired To	-X-	Name of Signal	PIN
1						1
2						2
3		V9-10N	U6-10N		16 Out	3
4		V9-13N	U6-13N		16 Out	4
5		V9-5N	U6-5N		17 Out	5
6		V9-7N	U6-7N		17 Out	6
7					16 --> DM 160	7
8						8
9					17 --> DM 160	9
10						10
11				- x -	0 Reg. 2	11
12		V9-15N	T24-9N		Line 16 Reg. 1	12
13		V9-9N	T24-15N		Line 17 Reg. 1	13
14	+ 8 Volts			- x -	+ 8 Volts	14
15	0 Volts			- x -	0 Volts	15
1N	0 Volts			- x -	0 Volts	1N
2N	- 3.2 Volts			- x -	- 3.2 Volts	2N
3N	- 8 Volts			- x -	- 8 Volts	3N
4N	- 24 Volts			- x -	- 24 Volts	4N
5N		U12-4			23 In	5N
6N		T8-14N		x -	Shift 2 In	6N
7N		U12-5			23 In	7N
8N		U9-11N		x -	Shift 2 In	8N
9N					17 Out	9N
10N		U12-2			22 In	10N
11N		U9-8N		x -	Shift 2 In	11N
12N		T8-8N		x -	1 --> 2 In	12N
13N		U12-3			22 In	13N
14N				x -	Shift 2 In	14N
15N					16 Out	15N

pos. U 9 1007A

drawn by	L.N.L.
checked	4,6,65
checked	
checked	

Wiring Schedule

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PIN	Special wire	Wired To	Wired To	-X-	Name of Signal	PIN
1						1
2						2
3						3
4						4
5						5
6						6
7						7
8						8
9						9
10						10
11				- x -	0 Reg. 2	11
12					Line 18 Reg. 1	12
13					Line 19 Reg. 1	13
14	+ 8 Volts			- x -	+ 8 Volts	14
15	0 Volts			- x -	0 Volts	15
1N	0 Volts			- x -	0 Volts	1N
2N	- 3.2 Volts			- x -	- 3.2 Volts	2N
3N	- 8 Volts			- x -	- 8 Volts	3N
4N	- 24 Volts			- x -	- 24 Volts	4N
5N					25 In	5N
6N				- x	Shift 2 In	6N
7N					25 In	7N
8N				- x	Shift 2 In	8N
9N						9N
10N					24 In	10N
11N				- x	Shift 2 In	11N
12N				- x	1 -- 2 + READ CLOCK	12N
13N					24 In	13N
14N				- x	Shift 2 In	14N
15N						15N

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PIN	Special Wire	Wired To	Wired To	--X--	Name of Signal	PIN
1						1
2						2
3						3
4						4
5						5
6						6
7						7
8						8
9						9
10						10
11						11
12						12
13						13
14						14
15						15
1 N						1 N
2 N						2 N
3 N						3 N
4 N						4 N
5 N						5 N
6 N						6 N
7 N						7 N
8 N						8 N
9 N						9 N
10 N						10 N
11 N						11 N
12 N						12 N
13 N						13 N
14 N						14 N
15 N						15 N

PIN	Special Wire	Wired To	Wired To	— X —	Name of Signal	PIN
1						1
2		V12-10N	U9-10N		22 Out	2
3		V12-13N	U9-13N		22 Out	3
4		V12-5N	U9-5N		23 Out	4
5		V12-7N	U9-7N		23 Out	5
6					22 → DM 160	6
7						7
8						8
9					23 → DM 160	9
10						10
11				- x -	0 Reg, 2	11
12		U22-14			Line 22 Reg, 1	12
13		U22-15			Line 23 Reg, 1	13
14	+ 8 Volts			- x -	+ 8 Volts	14
15	0 Volts			- x -	0 Volts	15
1 N	0 Volts			- x -	0 Volts	1 N
2 N	- 3.2 Volts			- x -	- 3.2 Volts	2 N
3 N	- 8 Volts			- x -	- 8 Volts	3 N
4 N	- 24 Volts			- x -	- 24 Volts	4 N
5 N		U15-4			29 In	5 N
6 N					Shift 2 In	6 N
7 N		U15-5		- x -	29 In	7 N
8 N		U11-6N		- x -	Shift 2 In	8 N
9 N						9 N
10 N		U15-2			28 In	10 N
11 N				- x -	Shift 2 In	11 N
12 N				- x -	1 → 2 In	12 N
13 N		U15-3			28 In	13 N
14 N		U11-11N			Shift 2 In	14 N
15 N				- x -		15 N

PIN	Special Wire	Wired To	Wired To	--X--	Name of Signal	PIN
1						1
2					24 Out	2
3					24 Out	3
4					25 Out	4
5					25 Out	5
6					24 --> DM 160	6
7						7
8						8
9					25 --> DM 160	9
10						10
11				- x -	0 Reg. 2	11
12					Line 24 Reg. 1	12
13					Line 25 Reg. 1	13
14	+ 8 Volts			- x -	+ 8 Volts	14
15	0 Volts			- x -	0 Volts	15
1 N	0 Volts			- x -	0 Volts	1 N
2 N	- 3.2 Volts			- x -	- 3.2 Volts	2 N
3 N	- 8 Volts			- x -	- 8 Volts	3 N
4 N	- 24 Volts			- x -	- 24 Volts	4 N
5 N					31 In	5 N
6 N				- x -	Shift 2 In	6 N
7 N				- x -	31 In	7 N
8 N				- x -	Shift 2 In	8 N
9 N					25 Out	9 N
10 N					31 In	10 N
11 N				- x -	Shift 2 In	11 N
12 N				- x -	1 --> 2 In	12 N
13 N					31 In	13 N
14 N				- x -	Shift 2 In	14 N
15 N					24 Out	15 N

PIN	Special Wire	Wired To	Wired To	—X—	Name of Signal	PIN
1						1
2					26 Out	2
3					26 Out	3
4					27 Out	4
5					27 Out	5
6					26 → DM 160	6
7						7
8						8
9					27 → DM 160	9
10						10
11				- x -	0 Reg. 2	11
12					Line 26 Reg. 1	12
13					Line 27 Reg. 1	13
14				- x -	+ 8 Volts	14
15				- x -	0 Volts	15
1 N						1 N
2 N				- x -	0 Volts	2 N
3 N				- x -	- 3.2 Volts	3 N
4 N				- x -	- 8 Volts	4 N
5 N				- x -	- 24 Volts	5 N
6 N					33 In	6 N
7 N				- x -	Shift 2 In	7 N
8 N				- x -	33 In	8 N
9 N				- x -	Shift 2 In	9 N
10 N					27 Out	10 N
11 N				- x -	32 In	11 N
12 N				- x -	Shift 2 In	12 N
13 N				- x -	1 → 2 In	13 N
14 N					32 In	14 N
15 N				- x -	Shift 2 In	15 N
					26 Out	

PIN	Special Wire	Wired To	Wired To	- X -	Name of Signal	PIN
1						1
2						2
3						3
4						4
5						5
6						6
7						7
8						8
9						9
10						10
11						11
12						12
13						13
14						14
15						15
1 N						1 N
2 N						2 N
3 N						3 N
4 N						4 N
5 N						5 N
6 N						6 N
7 N						7 N
8 N						8 N
9 N						9 N
10 N						10 N
11 N						11 N
12 N						12 N
13 N						13 N
14 N						14 N
15 N						15 N

PIN	Special Wire	Wired To	Wired To	— X —	Name of Signal	PIN
1						1
2						2
3						3
4						4
5						5
6						6
7						7
8						8
9						9
10						10
11						11
12						12
13						13
14						14
15						15
1N						1N
2N						2N
3N						3N
4N						4N
5N						5N
6N						6N
7N						7N
8N						8N
9N						9N
10N						10N
11N						11N
12N						12N
13N						13N
14N						14N
15N						15N

PIN	Special Wire	Wired To	Wired To	--X--	Name of Signal	PIN
1						1
2						2
3						3
4						4
5						5
6						6
7						7
8						8
9						9
10						10
11						11
12						12
13						13
14						14
15						15
1 N						1 N
2 N						2 N
3 N						3 N
4 N						4 N
5 N						5 N
6 N						6 N
7 N						7 N
8 N						8 N
9 N						9 N
10 N						10 N
11 N						11 N
12 N						12 N
13 N						13 N
14 N						14 N
15 N						15 N

PIN	Special Wire	Wired To	Wired To	— X —	Name of Signal	PIN
1						1
2		V18-10N	U15-10N		34 Out	2
3		V18-13N	U15-13N		34 Out	3
4		V18-5N	U15-5N		35 Out	4
5		V18-7N	U15-7N		35 Out	5
6					34 → DM 160	6
7						7
8						8
9					35 → DM 160	9
10						10
11				- x -	0 Reg. 2	11
12		V18-15N			Line 34 Reg. 1	12
13		V18-9N			Line 35 Reg. 1	13
14	+ 8 Volts			- x -	+ 8 Volts	14
15	0 Volts			- x -	0 Volts	15
1 N	0 Volts			- x -	0 Volts	1 N
2 N	- 3.2 Volts			- x -	- 3.2 Volts	2 N
3 N	- 8 Volts			- x -	- 8 Volts	3 N
4 N	- 24 Volts			- x -	- 24 Volts	4 N
5 N		U21-4			41 In	5 N
6 N		U18-8N		x -	Shift 2 In	6 N
7 N		U21-5			41 In	7 N
8 N		U18-6N		x -	Shift 2 In	8 N
9 N					35 Out	9 N
10 N		U21-2			40 In	10 N
11 N		U18-14N		x -	Shift 2 In	11 N
12 N		U19-14N		x -	1 → 2 In	12 N
13 N		U21-3			40 In	13 N
14 N		U18-11N			Shift 2 In	14 N
15 N				x -	34 Out	15 N

PIN	Special Wire	Wired To	Wired To	— X —	Name of Signal	PIN
1						1
2					36 Out	2
3					36 Out	3
4					37 Out	4
5					37 Out	5
6					36 → DM 160	6
7						7
8						8
9					37 → DM 160	9
10						10
11				- x -	0 Reg. 2	11
12						12
13						13
14				- x -	+ 8 Volts	14
15				- x -	0 Volts	15
1 N				- x -	0 Volts	1 N
2 N				- x -	- 3.2 Volts	2 N
3 N				- x -	- 8 Volts	3 N
4 N				- x -	- 24 Volts	4 N
5 N					37 Reg. 1 In	5 N
6 N				- x -	1 → 2 In	6 N
7 N					37 Reg. 1 In	7 N
8 N				- x -	1 → 2 In	8 N
9 N					37 Out	9 N
10 N					36 Out	10 N
11 N				- x -	1 → 2 In	11 N
12 N				- x -	READ CLOCK	12 N
13 N					36 Reg. 1 In	13 N
14 N				- x -	1 → 2 In	14 N
15 N					36 Out	15 N
1 N						1 N
2 N						2 N
3 N						3 N
4 N						4 N
5 N						5 N
6 N						6 N
7 N						7 N
8 N						8 N
9 N						9 N
10 N						10 N
11 N						11 N
12 N						12 N
13 N						13 N
14 N						14 N
15 N						15 N

PIN	Special Wire	Wired To	Wired To	— X —	Name of Signal	PIN
1						1
2						2
3						3
4						4
5						5
6						6
7						7
8						8
9						9
10						10
11						11
12						12
13						13
14						14
15						15
1N						1N
2N						2N
3N						3N
4N						4N
5N						5N
6N						6N
7N						7N
8N						8N
9N						9N
10N						10N
11N						11N
12N						12N
13N						13N
14N						14N
15N						15N

PIN	Special Wire	Wired To	Wired To	— X —	Name of Signal	PIN
1			U23-14N			1
2			U23-10N			2
3			U23-6N			3
4			U24-14N			4
5			U24-10N			5
6			U24-6N			6
7			T16-4N		M 00	7
8						8
9						9
10			U10-12			10
11			U10-13			11
12			U11-12			12
13			U11-13			13
14			U12-12			14
15			U12-13			15
1 N			V12-9N			1 N
2 N			V12-15N			2 N
3 N			V11-9N			3 N
4 N			V11-15N			4 N
5 N			T25-15N			5 N
6 N			T25-9N			6 N
7 N			T16-5N		M 00	7 N
8 N			U21-3N		- 8 Volts	8 N
9 N	- 8 Volts		U21-14		+ 8 Volts	9 N
10 N	+ 8 Volts					10 N
11 N						11 N
12 N						12 N
13 N						13 N
14 N						14 N
15 N						15 N

PIN	Special Wire	Wired To	Wired To	— X —	Name of Signal	PIN
1						1
2						2
3						3
4						4
5	- 24 Volts			- x	- 24 Volts	5
6						6
7						7
8						8
9						9
10						10
11	- 8 Volts			- x	- 8 Volts	11
12					ST 3	12
13					ST 3	13
14					ST 3	14
15	0 Volts			- x	0 Volts	15
1 N	0 Volts			- x	0 Volts	1 N
2 N						2 N
3 N	+ 8 Volts			- x	+ 8 Volts	3 N
4 N						4 N
5 N						5 N
6 N						6 N
7 N						7 N
8 N						8 N
9 N						9 N
10 N						10 N
11 N						11 N
12 N						12 N
13 N						13 N
14 N						14 N
15 N						15 N

35 34 33 32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

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PIN	Special Wire	Wired To	Wired To	--X--	Name of Signal	PIN
1						1
2						2
3						3
4						4
5	- 24 Volts	U25-3	U24-7	- x -	- 24 Volts	5
6						6
7						7
8						8
9						9
10						10
11	- 8 Volts	U23-10	U24-7			11
12		U23-12	U24-13	- x -	- 8 Volts	12
13		U24-12	U24-14		SF 3*	13
14		U24-13	U25-14		SF 3*	14
15	0 Volts			- x -	0 Volts	15
1 N	0 Volts			- x -	0 Volts	1 N
2 N						2 N
3 N	+ 8 Volts			- x -	+ 8 Volts	3 N
4 N						4 N
5 N						5 N
6 N		V25-8	U22-6			6 N
7 N						7 N
8 N						8 N
9 N						9 N
10 N		V25-10	U22-5			10 N
11 N						11 N
12 N						12 N
13 N						13 N
14 N		V25-11	U22-4			14 N
15 N						15 N

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checked	5.11.65
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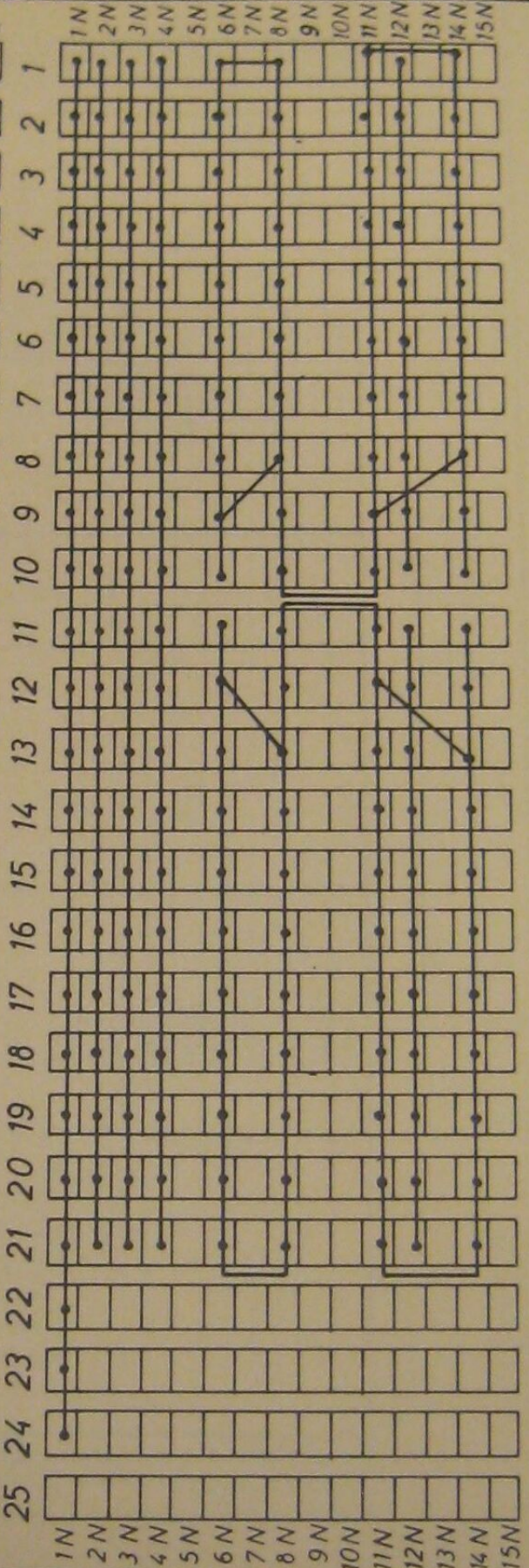
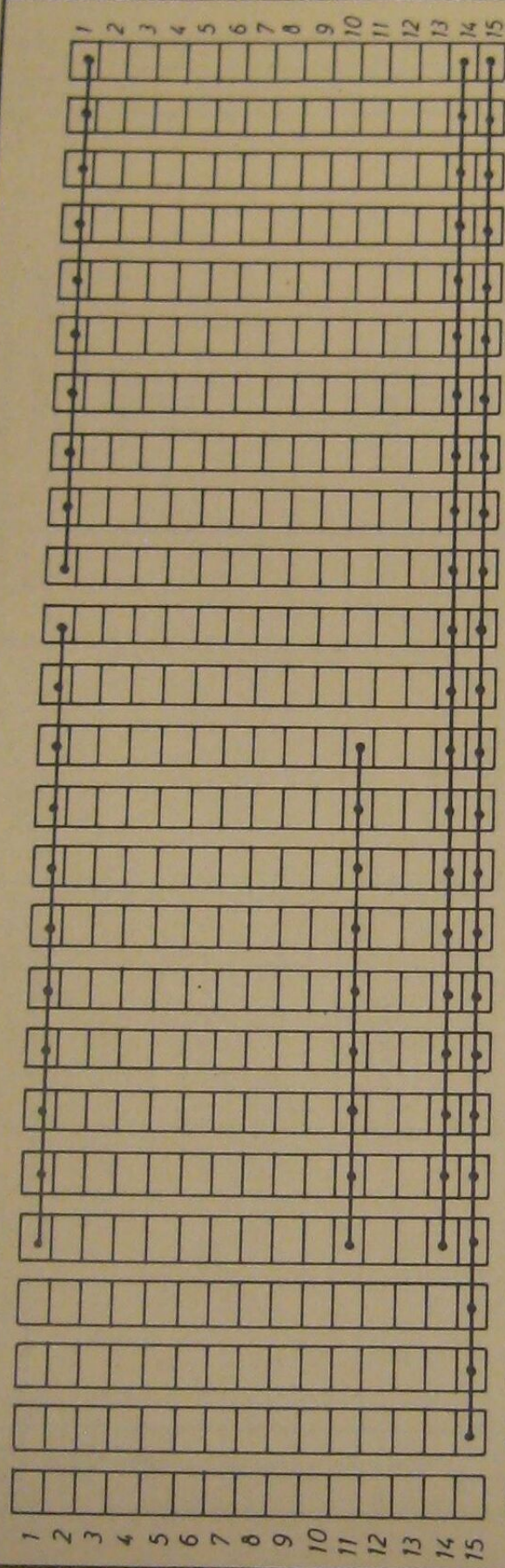
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PIN	Special Wire	Wired To	Wired To	--- X ---	Name of Signal	PIN
1						1
2		U25-13N				2
3		U25-15N				3
4		U24-3				4
5	- 24 Volts	- 24 V Term, P.S.		x -	- 24 Volts	5
6		U25-7N	T18-11		SCH	6
7		T16-8				7
8		U25-5N				8
9		T16-9				9
10						10
11	- 8 Volts	- 8 V Term, P.S.		x -	- 8 Volts	11
12		U25-13			MCL	12
13		S17-13	U25-12		MCL	13
14		U24-14			St 3	14
15	0 Volts	0 V Term, P.S.		x -	0 Volts	15
1N	0 Volts	0 V Term, P.S.		x -	0 Volts	1N
2N						2N
3N	+ 8 Volts	+ 8 V Term, P.S.		x -	+ 8 Volts	3N
4N		S11-11	U25-8N		ST 1	4N
5N		U25-8				5N
6N		V24-11	T18-10		READ CLOCK	6N
7N		U25-9N	U25-5		SCH	7N
8N		U25-4N			ST 1	8N
9N		U25-7N			SCH	9N
10N		S19-12N				10N
11N		S8-12			ST 4	11N
12N		U25-14N				12N
13N		U25-1				13N
14N		V25-15	U25-12N			14N
15N		U25-2				15N

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Cross Wiring At
Frame V

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Ampex

PIN	Special Wire	Wired To	Wired To	--X--	Name of signal	PIN
1				- x	OGP Reg. 1 In	1
2					0 Out	2
3					0 Out	3
4					1 Out	4
5					1 Out	5
6					0 --> DM 16C	6
7						7
8						8
9						9
10						10
11						11
12					Line 0 In	12
13					Line 1 In	13
14	+ 8 Volts			- x	+ 8 Volts	14
15	0 Volts			- x	0 Volts	15
1 N	0 Volts			- x	0 Volts	1 N
2 N	- 3.2 Volts			- x	- 3.2 Volts	2 N
3 N	- 8 Volts			- x	- 8 Volts	3 N
4 N	- 24 Volts			- x	- 24 Volts	4 N
5 N					1 Reg. 2 In	5 N
6 N					2 --> 1 In	6 N
7 N					1 Reg. 2 In	7 N
8 N					2 --> 1 In	8 N
9 N					Line 1 Out	9 N
10 N					0 Reg. 2 In	10 N
11 N					2 --> 1 In	11 N
12 N					IGP BF --> 1 In	12 N
13 N					0 Reg. 2 In	13 N
14 N					2 --> 1 In	14 N
15 N					Line 0 Out	15 N

PIN	Special Wire	wired To	wired To	- x -	Name of Signal	PIN
1				- x -	OSP Reg. 1 In	1
2				- x -	2 Out	2
3					2 Out	3
4					3 Out	4
5					3 Out	5
6					2 --> DM 160	6
7						7
8					3 --> DM 160	8
9						9
10						10
11						11
12					Line 2 In	12
13					Line 3 In	13
14	+ 8 Volts			- x -	+ 8 Volts	14
15	0 Volts			- x -	0 Volts	15
1 N	0 Volts			- x -	0 Volts	1 N
2 N	- 3.2 Volts			- x -	- 3.2 Volts	2 N
3 N	- 8 Volts			- x -	- 8 Volts	3 N
4 N	- 24 Volts			- x -	- 24 Volts	4 N
5 N					3 Reg. 2 In	5 N
6 N				- x -	2 --> 1 In	6 N
7 N				- x -	3 Reg. 2 In	7 N
8 N				- x -	2 --> 1 In	8 N
9 N					Line 3 In	9 N
10 N					2 Reg. 2 In	10 N
11 N				- x -	2 --> 1 In	11 N
12 N				- x -	IGP BF --> 1 In	12 N
13 N				- x -	2 Reg. 1 In	13 N
14 N				- x -	2 --> 1 In	14 N
15 N				- x -	Line 2 Out	15 N

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PIN	Special Wire	Wired To	Wired To	— X —	Name of Signal	PIN
1				- x -	OGP Reg. 1 In	1
2					4 Out	2
3					4 Out	3
4					5 Out	4
5					5 Out	5
6					4 --> DM 160	6
7						7
8						8
9					5 --> DM 160	9
10						10
11						11
12					Line 4 In	12
13					Line 5 In	13
14	+ 8 Volts	S3-e1		- x -	+ 8 Volts	14
15	0 Volts	S3-a2		- x -	0 Volts	15
1 N	0 Volts			- x -	0 Volts	1 N
2 N	- 3.2 Volts			- x -	- 3.2 Volts	2 N
3 N	- 8 Volts			- x -	- 8 Volts	3 N
4 N	- 24 Volts			- x -	- 24 Volts	4 N
5 N		U3-4			5 Reg. 2 In	5 N
6 N				- x -	2 --> 1 In	6 N
7 N		U3-5			5 Reg. 2 In	7 N
8 N				- x -	2 --> 1 In	8 N
9 N		S4-a2	U3-13		Line 5 Out	9 N
10 N		U3-2			4 Reg. 2 In	10 N
11 N				- x -	2 --> 1 In	11 N
12 N				- x -	IGP BF --> 1 In	12 N
13 N		U3-3			4 Reg. 2 In	13 N
14 N				- x -	2 --> 1 In	14 N
15 N		S4-e1	U3-12			15 N

PIN	Special Wire	Wired To	Wired To	- X -	Name of Signal	PIN
1				- x -	DGP Reg. 1 In	1
2				- x -	6 Out	2
3					6 Out	3
4					7 Out	4
5					7 Out	5
6					6 --> DM 160	6
7						7
8						8
9					7 --> DM 160	9
10						10
11						11
12					Line 6 In	12
13		S3-b2			Line 7 In	13
14	+ 8 Volts	S3-c2		- x -	+ 8 Volts	14
15	0 Volts			- x -	0 Volts	15
1 N	0 Volts			- x -	0 Volts	1 N
2 N	- 3.2 Volts			- x -	- 3.2 Volts	2 N
3 N	- 8 Volts			- x -	- 8 Volts	3 N
4 N	- 24 Volts			- x -	- 24 Volts	4 N
5 N		U4-4		- x -	7 Reg. 2 In	5 N
6 N				- x -	2 --> 1 In	6 N
7 N		U4-5		- x -	7 Reg. 2 In	7 N
8 N				- x -	2 --> 1 In	8 N
9 N		S4-c2	U4-13		Line 7 Out	9 N
10 N		U4-2			6 Reg. 2 In	10 N
11 N				- x -	2 --> 1 In	11 N
12 N				- x -	IGP BF --> 1 In	12 N
13 N		U4-3		- x -	6 Reg. 2 In	13 N
14 N				- x -	2 --> 1 In	14 N
15 N		S4-b2	U4-12		Line 6 Out	15 N

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PIN	Special wire	Wired To	Wired To	— x —	Name of Signal	PIN
1				- x -	OGP Reg, 1 In	1
2					10 Out	2
3					10 Out	3
4					11 Out	4
5					11 Out	5
6					10 → DM 160	6
7						7
8						8
9					11 → DM 160	9
10						10
11						11
12					Line 10 In	12
13			S3-a3 S3-b3		Line 11 In	13
14	+ 8 Volts			- x -	+ 8 Volts	14
15	0 Volts		Chassis	- x -	0 Volts	15
1N	0 Volts		Chassis	- x -	0 Volts	1N
2N	- 3.2 Volts			- x -	- 3.2 Volts	2N
3N	- 8 Volts			- x -	- 8 Volts	3N
4N	- 24 Volts			- x -	- 24 Volts	4N
5N			U6-4		11 Reg, 2 In	5N
6N				- x -	2 → 1 In	6N
7N			U6-5		11 Reg, 2 In	7N
8N				- x -	2 → 1 In	8N
9N			S4-b3 U6-2		Line 11 Out	9N
10N					10 Reg, 2 In	10N
11N				- x -	2 → 1 In	11N
12N				- x -	IGP BF → 1 In	12N
13N			U6-3		10 Reg, 2 In	13N
14N				- x -	2 → 1 In	14N
15N			S4-a3 U6-12		Line 10 Out	15N

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PIN	Special wire	wired To	wired To	--X--	Name of Signal	PIN
1				- x -	0, P Reg. 1 In	1
2					12 Out	2
3					12 Out	3
4					13 Out	4
5					13 Out	5
6					12 -- DM 160	6
7						7
8						8
9					13 -- DM 160	9
10						10
11						11
12					Line 12 In	12
13					Line 13 In	13
14				- x -	+ 8 Volts	14
15				- x -	0 Volts	15
1 N				- x -	0 Volts	1 N
2 N				- x -	- 3,2 Volts	2 N
3 N				- x -	- 8 Volts	3 N
4 N				- x -	- 24 Volts	4 N
5 N				- x -	13 Reg. 2 In	5 N
6 N				- x -	2 -- 1 In	6 N
7 N				- x -	13 Reg. 2 In	7 N
8 N				- x -	2 -- 1 In	8 N
9 N					Line 13 Out	9 N
10 N					12 Reg. 2 In	10 N
11 N				- x -	2 -- 1 In	11 N
12 N				- x -	16P BF -- 1 In	12 N
13 N				- x -	12 Reg. 2 In	13 N
14 N				- x -	2 -- 1 In	14 N
15 N				- x -	Line 12 Out	15 N

PIN	Special Wire	Wired To	Wired To	— x —	Name of Signal	PIN
1				- x -	Disp Reg. 1 In	1
2					16 Out	2
3					16 Out	3
4					17 Out	4
5					17 Out	5
6					16 --> DM 160	6
7						7
8						8
9					17 --> DM 160	9
10						10
11						11
12					Line 16 In	12
13		53-b4			Line 17 In	13
14	+ 8 Volts	53-b4		- x -	+ 8 Volts	14
15	0 Volts			- x -	0 Volts	15
1 N	0 Volts			- x -	0 Volts	1 N
2 N	- 3.2 Volts			- x -	- 3.2 Volts	2 N
3 N	- 8 Volts			- x -	- 8 Volts	3 N
4 N	- 24 Volts			- x -	- 24 Volts	4 N
5 N		U9-4			17 Reg. 2 In	5 N
6 N		V8- 8 N		- x -	2 --> 1 In	6 N
7 N		U9-5			17 Reg. 2 In	7 N
8 N				- x -	2 --> 1 In	8 N
9 N		S4-c4	U9-13		Line 17 Out	9 N
10 N		U9-2			16 Reg. 2 In	10 N
11 N		V8-14 N			2 --> 1 In	11 N
12 N				- x -	IGP BF --> 1 In	12 N
13 N		U9-3		- x -	16 Reg. 2 In	13 N
14 N				- x -	2 --> 1 In	14 N
15 N		S4-b4	U9-12		Line 16 Out	15 N

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PIN	Special Wire	Wired To	Wired To	Wired To	— X —	Name of Signal	PIN
1			T7-15N		x -	OGP Reg. 1 In	1
2						18 Out	2
3						18 Out	3
4						19 Out	4
5						19 Out	5
6						13 --> DM 160	6
7							7
8							8
9						19 --> DM 160	9
10							10
11							11
12						Line 18 In	12
13			S3-d4			Line 19 In	13
14	+ 8 Volts		S3e4		- x -	+ 8 Volts	14
15	0 Volts				- x -	0 Volts	15
1N	0 Volts				- x -	0 Volts	1N
2N	- 3.2 Volts				- x -	- 3.2 Volts	2N
3N	- 8 Volts				- x -	- 8 Volts	3N
4N	- 24 Volts				- x -	- 24 Volts	4N
5N			U10-4			19 Reg. 2 In	5N
6N			T9-14N		x -	2 --> 1 In	6N
7N			U10-5			19 Reg. 2 In	7N
8N			V 10-11N		x -	2 --> 1 In	8N
9N			S4-e4			Line 19 Out	9N
10N			U10-2			18 Reg. 2 In	10N
11N			V10-8N		x -	2 --> 1 In	11N
12N			V22-14N		x -	IGP BF --> 1 In	12N
13N			U10-3			18 Reg. 2 In	13N
14N					x -	2 --> 1 In	14N
15N			S4-d4			Line 18 Out	15N

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PIN	Special Wire	Wired To	Wired To	-- X --	Name of Signal	PIN
1			T7-14N	- x	OSP Reg. 1 In	1
2					20 Out	2
3					20 Out	3
4					21 Out	4
5					21 Out	5
6					20 --> DM 160	6
7						7
8					21 --> DM 160	8
9						9
10						10
11						11
12					Line 20 In	12
13					Line 21 In	13
14	+ 8 Volts			- x -	+ 8 Volts	14
15	0 Volts		Chassis	- x -	0 Volts	15
1 N	0 Volts		Chassis	- x -	0 Volts	1 N
2 N	- 3.2 Volts			- x -	- 3.2 Volts	2 N
3 N	- 8 Volts			- x -	- 8 Volts	3 N
4 N	- 24 Volts			- x -	- 24 Volts	4 N
5 N					21 Reg. 2 In	5 N
6 N				- x	2 --> 1 In	6 N
7 N					21 Reg. 2 In	7 N
8 N				- x	2 --> 2 In	8 N
9 N					Line 21 Out	9 N
10 N			U22-3N		20 Reg. 2 In	10 N
11 N				- x	2 --> 1 In	11 N
12 N				- x	16P BF --> 1 In	12 N
13 N					20 Reg. 2 In	13 N
14 N				- x	2 --> 1 In	14 N
15 N			U22-4N		Line 20 In	15 N

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PIN	Special Wire	Wired To	Wired To	— x —	Name of Signal	PIN
1				- x -	OGP Reg. 1 In	1
2					22 Out	2
3					22 Out	3
4					23 Out	4
5					23 Out	5
6					22 --> DM 160	6
7						7
8						8
9					23 --> DM 160	9
10						10
11						11
12					Line 22 In	12
13					Line 23 In	13
14	+ 8 Volts			- x -	+ 8 Volts	14
15	0 Volts			- x -	0 Volts	15
1 N	0 Volts			- x -	0 Volts	1 N
2 N	- 3.2 Volts			- x -	- 3.2 Volts	2 N
3 N	- 8 Volts			- x -	- 8 Volts	3 N
4 N	- 24 Volts			- x -	- 24 Volts	4 N
5 N					23 Reg. 2 In	5 N
6 N					2 --> 1 In	6 N
7 N					23 Reg. 2 In	7 N
8 N					2 --> 1 In	8 N
9 N					Line 23 Out	9 N
10 N					22 Reg. 2 In	10 N
11 N					2 --> 1 In	11 N
12 N					IGP BF --> 1 In	12 N
13 N					22 Reg. 2 In	13 N
14 N					2 --> 1 In	14 N
15 N					Line 22 Out	15 N
1 N						
2 N						
3 N						
4 N						
5 N						
6 N						
7 N						
8 N						
9 N						
10 N						
11 N						
12 N						
13 N						
14 N						
15 N						

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PIN	Special Wire	Wired To	Wired To	--X--	Name of Signal	PIN
1				- X -	DSP Reg. 1 In	1
2				- X -	24 Out	2
3				- X -	24 Out	3
4				- X -	25 Out	4
5				- X -	25 Out	5
6				- X -	24 --> DM 160	6
7				- X -		7
8				- X -		8
9				- X -	25 --> DM 160	9
10				- X -		10
11				- X -	0 Reg. 1	11
12				- X -	Line 24 In	12
13				- X -	Line 25 In	13
14				- X -	+ 8 Volts	14
15				- X -	0 Volts	15
1N				- X -	0 Volts	1N
2N				- X -	- 3.2 Volts	2N
3N				- X -	- 8 Volts	3N
4N				- X -	- 24 Volts	4N
5N				- X -	25 Reg. 2 In	5N
6N				- X -	2 --> 1 In	6N
7N				- X -	25 Reg. 2 In	7N
8N				- X -	2 --> 1 In	8N
9N				- X -	Line 25 Out	9N
10N				- X -	24 Reg. 2 In	10N
11N				- X -	2 --> 1 In	11N
12N				- X -	IGP BF --> 1 In	12N
13N				- X -	24 Reg. 2 In	13N
14N				- X -	2 --> 1 In	14N
15N				- X -	Line 24 Out	15N
17-12N				- X -		
53-e5				- X -		
53-e6				- X -		
48 Volts				- X -		
0 Volts				- X -		
0 Volts				- X -		
- 3.2 Volts				- X -		
- 8 Volts				- X -		
- 24 Volts				- X -		
U13-4				- X -		
U13-5				- X -		
V12-6N				- X -		
54-a6				- X -		
U13-2				- X -		
U13-3				- X -		
V12-11N				- X -		
54-e5				- X -		

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PIN	Special Wire	Wired To	Wired To	- X -	Name of Signal	PIN
1				- x -	OGP Reg. 1 In	1
2					28 Out	2
3					28 Out	3
4					29 Out	4
5					29 Out	5
6					28 → DM 160	6
7						7
8						8
9					29 → DM 160	9
10						10
11				- x -	0 Reg. 1	11
12		53-d6			Line 28 In	12
13		53-e6			Line 29 In	13
14	+ 8 Volts			- x -	+ 8 Volts	14
15	0 Volts			- x -	0 Volts	15
1 N	0 Volts			- x -	0 Volts	1 N
2 N	- 3.2 Volts			- x -	- 3.2 Volts	2 N
3 N	- 8 Volts			- x -	- 8 Volts	3 N
4 N	- 24 Volts			- x -	- 24 Volts	4 N
5 N		U15-4			29 Reg. 2 In	5 N
6 N				- x -	2 → 1 In	6 N
7 N		U15-5			29 Reg. 2 In	7 N
8 N				- x -	2 → 1 In	8 N
9 N		U15-13			Line 29 Out	9 N
10 N		U15-2			28 Reg. 1 In	10 N
11 N				- x -	2 → 1 In	11 N
12 N				- x -	IGP BF → 1 In	12 N
13 N		U15-3			28 Reg. 2 In	13 N
14 N					2 → 1 In	14 N
15 N		U15-d6	U15-12		Line 28 Out	15 N

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PIN	Special Wire	Wired To	Wired To	--X--	Name of Signal	PIN
1				- x -	OGP Reg. 1 In	1
2					30 Out	2
3					30 Out	3
4					31 Out	4
5					31 Out	5
6					30 --> DM 160	6
7						7
8						8
9					31 --> DM 160	9
10						10
11				- x -	0 Reg. 1	11
12		S3-a7			Line 30 In	12
13		S3-b7			Line 31 In	13
14	+ 8 Volts			- x -	+ 8 Volts	14
15	0 Volts		Chassis	- x -	0 Volts	15
1 N	0 Volts		Chassis	- x -	0 Volts	1 N
2 N	- 3.2 Volts			- x -	- 3.2 Volts	2 N
3 N	- 8 Volts			- x -	- 8 Volts	3 N
4 N	- 24 Volts			- x -	- 24 Volts	4 N
5 N		U16-4			31 Reg. 2 In	5 N
6 N				- x -	2 --> 1 In	6 N
7 N		U16-5			31 Reg. 2 In	7 N
8 N				- x -	2 --> 1 In	8 N
9 N		S4-b7	U16-13		Line 31 Out	9 N
10 N		U16-2			30 Reg. 2 In	10 N
11 N				- x -	2 --> 1 In	11 N
12 N				- x -	IGP BF --> 1 In	12 N
13 N		U16-3			30 Reg. 2 In	13 N
14 N				- x -	2 --> 1 In	14 N
15 N		S4-a7	U16-12		Line 30 Out	15 N

PIN	Special Wire	Wired To	Wired To	— X —	Name of Signal	PIN
1				- x -	OSP Reg. 1 In	1
2					32 Out	2
3					32 Out	3
4					33 Out	4
5					33 Out	5
6					32 → DM 160	6
7						7
8						8
9					33 → DM 160	9
10				- x -		10
11				- x -	0 Reg. 1	11
12		S3-c7			Line 32 In	12
13		S3-d7			Line 33 In	13
14	+ 8 Volts			- x -	+ 8 Volts	14
15	0 Volts			- x -	0 Volts	15
1 N	0 Volts			- x -	0 Volts	1 N
2 N	- 3.2 Volts			- x -	- 3.2 Volts	2 N
3 N	- 8 Volts			- x -	- 8 Volts	3 N
4 N	- 24 Volts			- x -	- 24 Volts	4 N
5 N		U17-4			33 Reg. 2 In	5 N
6 N				- x -	2 → 1 In	6 N
7 N		U17-5			33 Reg. 2 In	7 N
8 N				- x -	2 → 1 In	8 N
9 N		S4-d7	U17-13		Line 33 Out	9 N
10 N		U17-2			32 Reg. 2 In	10 N
11 N				- x -	2 → 1 In	11 N
12 N				- x -	IGP BF → 1 In	12 N
13 N		U17-3			32 Reg. 2 In	13 N
14 N				- x -	2 → 1 In	14 N
15 N		S4-c7	U17-12		Line 32 Out	15 N

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PIN	Special Wire	Wired To	Wired To	-- X --	Name of Signal	PIN
1				- X -	05P Reg. 1 In	1
2				- X -	34 Out	2
3					34 Out	3
4					35 Out	4
5					35 Out	5
6					34 --> DM 160	6
7						7
8						8
9					35 --> DM 160	9
10						10
11				- X -	0 Reg. 1	11
12		53-e7			Line 34 In	12
13		53a8			Line 35 In	13
14	+ 8 Volts			- X -	+ 8 Volts	14
15	0 Volts			- X -	0 Volts	15
1 N	0 Volts			- X -	0 Volts	1 N
2 N	- 3.2 Volts			- X -	- 3.2 Volts	2 N
3 N	- 8 Volts			- X -	- 8 Volts	3 N
4 N	- 24 Volts			- X -	- 24 Volts	4 N
5 N		U18-4			35 Reg. 2 In	5 N
6 N				- X -	2 --> 1 In	6 N
7 N		U18-5			35 Reg. 2 In	7 N
8 N				- X -	2 --> 1 In	8 N
9 N		54-a8	U18-13		Line 35 Out	9 N
10 N		U18-2			34 Reg. 2 In	10 N
11 N				- X -	2 --> 1 In	11 N
12 N				- X -	IGP BF --> 1 In	12 N
13 N		U18-3		- X -	34 Reg. 2 In	13 N
14 N				- X -	2 --> 1 In	14 N
15 N		54-e7	U18-12		Line 34 Out	15 N

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PIN	Special Wire	Wired To	Wired To	— X —	Name of Signal	PIN
1				- x -	OGP Reg. 1 In	1
2					36 Out	2
3					36 Out	3
4					37 Out	4
5					37 Out	5
6					36 --> DM 160	6
7						7
8						8
9					37 --> DM 160	9
10						10
11				- x -	0 Reg. 1	11
12					Line 36 In	12
13					Line 37 In	13
14				- x -	+ 8 Volts	14
15				- x -	0 Volts	15
1 N				- x -	0 Volts	1 N
2 N				- x -	- 3.2 Volts	2 N
3 N				- x -	- 8 Volts	3 N
4 N				- x -	- 24 Volts	4 N
5 N					37 Reg. 2 In	5 N
6 N				- x -	2 --> 1 In	6 N
7 N				- x -	37 Reg. 2 In	7 N
8 N				- x -	2 --> 1 In	8 N
9 N					Line 37 Out	9 N
10 N					36 Reg. 2 In	10 N
11 N				- x -	2 --> 1 In	11 N
12 N				- x -	IGP BF --- 1 In	12 N
13 N				- x -	36 Reg. 2 In	13 N
14 N				- x -	2 --> 1 In	14 N
15 N					Line 36 Out	15 N
1 N						
2 N						
3 N						
4 N						
5 N						
6 N						
7 N						
8 N						
9 N						
10 N						
11 N						
12 N						
13 N						
14 N						
15 N						

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PIN	Special Wire	Wired To	Wired To	— X —	Name of Signal	PIN
1				- x -	OGP Reg. 1 In	1
2					38 Out	2
3		U20-10N			38 Out	3
4		U20-13N			39 Out	4
5		U20-5N			39 Out	5
6		U20-7N			38 --> DM 160	6
7						7
8						8
9					39 --> DM 160	9
10						10
11				- x -	0 Reg. 1	11
12		53-d8			Line 38 In	12
13		53-e8			Line 39 In	13
14	+ 8 Volts			- x -	+ 8 Volts	14
15	0 Volts			- x -	0 Volts	15
1 N	0 Volts			- x -	0 Volts	1 N
2 N	- 3.2 Volts			- x -	- 3.2 Volts	2 N
3 N	- 8 Volts			- x -	- 8 Volts	3 N
4 N	- 24 Volts			- x -	- 24 Volts	4 N
5 N		U20-4			39 Reg. 2 In	5 N
6 N				- x -	2 --> 1 In	6 N
7 N		U20-5			39 Reg. 2 In	7 N
8 N				- x -	2 --> 1 In	8 N
9 N		54-e8			Line 39 Out	9 N
10 N		U20-2			38 Reg. 2 In	10 N
11 N				- x -	2 --> 1 In	11 N
12 N					IGP BF --> 1 In	12 N
13 N		U20-3		- x -	38 Reg. 2 In	13 N
14 N				- x -	2 --> 1 In	14 N
15 N		54-d8			Line 38 Out	15 N

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PIN	Special Wire	Wired To	Wired To	--X--	Name of Signal	PIN
1						1
2				X -	OGP Reg. 1 In	2
3					40 Out	3
4					40 Out	4
5					41 Out	5
6					41 Out	6
7					40 --> DM 160	7
8						8
9						9
10					41 --> DM 160	10
11						11
12				X -	0 Reg. 1	12
13					Line 40 In	13
14					Line 41 In	14
15	+ 8 Volts 0 Volts	S3-a2 S3-b9 V23-14	Chassis	X - - X -	+ 8 Volts 0 Volts	15
1 N	0 Volts		Chassis	- X -	0 Volts	1 N
2 N	- 3.2 Volts	- 3.2 V Term. P.S.		X -	- 3.2 Volts	2 N
3 N	- 8 Volts	V22-11N		X -	- 8 Volts	3 N
4 N	- 24 Volts	V23-3N		X -	- 24 Volts	4 N
5 N		U21-4			41 Reg. 2 In	5 N
6 N		V21-8N		X -	2 --> 1 In	6 N
7 N		U21-5		X -	41 Reg. 2 In	7 N
8 N		V21-6N			2 --> 1 In	8 N
9 N		S4-b9			Line 41 Out	9 N
10 N		U21-2			40 Reg. 2 In	10 N
11 N		V21-14N		X -	2 --> 1 In	11 N
12 N		V22-13N		X -	IGP BF --> 1 In	12 N
13 N		U21-3			40 Reg. 2 In	13 N
14 N		V21-11N		X -	2 --> 1 In	14 N
15 N		S4-a9			Line 40 Out	15 N

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PIN	Special Wire	Wired To	Wired To	— x —	Name of Signal	PIN
1		S4-cl0			D from BF	1
2		V22-15N				2
3		V22-2				3
4		V25-9N				4
5						5
6		S11-5N				6
7						7
8						8
9						9
10						10
11						11
12						12
13						13
14						14
15	0 Volts			- x -	0 Volts	15
1 N	0 Volts			- x -	0 Volts	1 N
2 N						2 N
3 N						3 N
4 N						4 N
5 N						5 N
6 N						6 N
7 N						7 N
8 N						8 N
9 N		V23-10			B0r to Delay	9 N
10 N						10 N
11 N	- 8 Volts	V21-3N	V23-2N		- 8 Volts	11 N
12 N		S2-13N				12 N
13 N		V21-12N			BF → 1	13 N
14 N		V10-12N			BF → 1	14 N
15 N		V22-2				15 N

PIN	Special Wire	Wired To	Wired To	--X--	Name of Signal	PIN
1		U1-13			Line 1	1
2		U2-12			Line 2	2
3		T19-5			Line 3	3
4		U3-12			Line 4	4
5		U3-13			Line 5	5
6		S12-9N				6
7		S19-11N			HD	7
8		T3-7			BOT DELAY to READ PERMIT	8
9		T3-5				9
10		V22-9N				10
11		S11-8				11
12		V23-7N				12
13		V21-14				13
14	+ 8 Volts		V24-14		+ 8 Volts	14
15	0 Volts			- x -	0 Volts	15
1 N	0 Volts			- x -	0 Volts	1 N
2 N	- 8 Volts	V22-11N	V24-2N		- 8 Volts	2 N
3 N	- 24 Volts	V24-3N	V21-4N		- 24 Volts	3 N
4 N						4 N
5 N		V23-9N				5 N
6 N		T25-1	V23-8N		IGP --> LT	6 N
7 N		V23-13	SB-a12			7 N
8 N		V23-6N	V23-10N		IGP --> LT	8 N
9 N		SB-d11	V23-5N			9 N
10 N		V23-8N	V23-12N		IGP --> LT	10 N
11 N		SB-b12				11 N
12 N		V23-10N	V23-14N		IGP --> LT	12 N
13 N		T16-7N	SB-c12			13 N
14 N		V23-12N			IGP --> LT	14 N
15 N		T15-12				15 N

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PIN	Special Wire	Wired To	Wired To	-- X --	Name of Signal	PIN
1		V25-14				1
2		V25-13				2
3		V25-12				3
4		V25-11				4
5		V25-10				5
6		V25-8				6
7		V25-15				7
8		S19-11			READ CLOCK	8
9						9
10						10
11		U25-6N			READ CLOCK	11
12						12
13		SB-b9			6	13
14	+ 8 Volts	V23-14	V25-13N		+ 8 Volts	14
15	0 Volts	V25-5		x -	0 Volts	15
1N	0 Volts	0 V Term. P. 5,			0 Volts	1N
2N	- 8 Volts	V23-2N	V25-15N	x -	- 8 Volts	2N
3N	- 24 Volts	V23-3N	V25-14N		- 24 Volts	3N
4N						4N
5N		SB-a9			5	5N
6N						6N
7N		SB-e7			4	7N
8N						8N
9N		SB-d7	T17-10		3	9N
10N						10N
11N		SB-c7	T17-11		2	11N
12N						12N
13N		SB-b7	T17-12		1	13N
14N						14N
15N		SB-a7	T17-13		0	15N

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PIN	Special wire	Wired To	Wired To	— x —	Name of Signal	PIN
1						1
2						2
3						3
4						4
5	0 Volts	V24-15	0 V Term. P.S.		0 Volts	5
6						6
7						7
8		V24-6	U24-6N		5	8
9						9
10		V24-5	U24-10N		4	10
11		V24-4	U24-14N		3	11
12		V24-3	U23-6N		2	12
13		V24-2	U23-10N		1	13
14		V24-1	U23-14N		0	14
15		V24-7	U25-14N		6	15
1N		T11-2			M 2	1N
2N						2N
3N						3N
4N						4N
5N						5N
6N						6N
7N						7N
8N						8N
9N		V22-4				9N
10N						10N
11N						11N
12N						12N
13N	+ 8 Volts	V24-14	+ 8 V Term. P.S.		+ 8 Volts	13N
14N	- 24 Volts	V24-3N	- 24 V Term. P.S.		- 24 Volts	14N
15N	- 8 Volts	V24-2N	- 8 V Term. P.S.		- 8 Volts	15N

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