Top View   Side

Pin 1 Brown Wire

WIRED SIDE

UP

B1   B   A1

B25   B25   A25

199535 50pin

NOTES: UNLESS OTHERWISE SPECIFIED
1. Rest of Cable Supplied by
   Ampex ~~SPEC~~ 440

REVISIONS				TOLERANCES UNLESS OTHERWISE SPECIFIED FRACTIONS DEC ANGLES ± ± ±		**XEBEC** SYSTEMS INCORPORATED
LTR	DESCRIPTION	DATE	APPROVED			

FORMATTER DRIVE CABLE
50 WESTERN DYPEX

APPROVALS	DATE			
DRAWN				
CHECKED		SCALE	SIZE	DRAWING NO. 100697
		DO NOT SCALE DRAWING		SHEET 1 of 1

XEBEC
SYSTEMS INCORPORATED

ENGINEERING WIRE LIST

ORIGINATOR: S Lawson

Ampex 10 Mega Bite Disk Drive To XDF-50

APPROVED:

REV A

SEQ	CODE	FROM I/O Cable		TO 50 PIN		COMMENTS
		POS	PIN	POS	PIN	
1		Brown Wire	1	Solder Conn	A5	D. A. Bit 8
2		Red	2 +		B4	D. A. Bit 7
3		Orange	3		A4	D. A. Bit 6
4		Yellow	4		B3	D. A. Bit 5
5		Green	5		A3	D. A. Bit 4
6		Blue	6		B2	D. A. Bit 3
7		Violet	7		A2	D. A. Bit 2
8		Gray	8		B1	D. A. Bit 1
9		White	9		A1	D. A. Bit 0
10		Black	10		B5	Restore
11		Brown	11		B7	Ground
12		Red	12		B10	Removable Disk Enable
13		Orange	13		—	—
14		Yellow	14		A8	Erase Gate
15		Green	15		—	—
16		Blue	16		A8	Write Gate
17		Violet	17		—	—
18		Gray	18		—	—
19		White	19			
20		Black	20		B14	Illegal Address
21		Brown	21		—	—
22		Red	22		B25	Write Protect
		Orange	23		—	—
24		Yellow	24			—
25		Green	25			
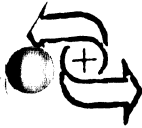
XEBEC
SYSTEMS INCORPORATED

XPN 100697

ENGINEERING WIRE LIST

Ampex Disk

ORIGINATOR: S Lawson

REV A

APPROVED:

SEQ	CODE	FROM POS	PIN	TO POS	PIN	COMMENTS
					B 24	Unit 3
26		Blue	26		A 24	Unit 2
27		Violet	27		B 23	Unit 1
28		Gray	28		A 23	Unit 0
29		White	29		—	
30		Black	30		A 10	Head Select
31		Brown	31		B 8	Ground
32		Red	32		A 9	Write Data
		Orange	33	—	B 9	Ground
34		Yellow	34	*	A 7	D.A. Strobe
35		Green	35		—	
36		Blue	36		A 25	Busy 0 (Seeking)
37		Violet	37		—	
38		Gray	38		A 25	Busy 1
39		White	39		—	
40		Black	40		A 25	Busy 2
41		Brown	41		—	
42		Red	42		A 25	Busy 3
43		Orange	43		—	
44		Yellow	44		A 19	Sector Pulse
45		Green	45		—	
46		Blue	46		A 20	Index
47		Violet	47		—	
48		Gray	48		A 16	S.A. 0
49		White	49		B 16	S.A. 1
50		Black	50			

XEBEC
SYSTEMS INCORPORATED

ENGINEERING WIRE LIST	Ampex Disk
ORIGINATOR: S Lawson	
APPROVED:	REV A

SEQ	CODE	FROM POS	PIN	TO POS	PIN	COMMENTS
51		Brown	51		A17	S. A. 2
52		Red	52		B17	S. A. 3
53		Orange	53		A18	S. A. 4
54		Yellow	54		B20	Ground
55		Green	55		B13	Read Data
56		Blue	56		B21	Ground
57		Violet	57		B12	Read Clock
58		Gray	58		B15	Ground
59		White	59		B11	Read Gate
60		Black	60		A12	Ground
61		Brown	61		A15	Ready
62		Red	62		—	—
63		Orange	63		—	—
64		Yellow	64		—	—

NOTES: The I/O cable is a 26-gauge, 64-conductor, 2.5-inch wide flat ribbon cable. The brown conductor is conductor number 1. The wiring assignments are specified below:

BACKPANEL LOCATION NUMBERS	I/O PWB WIRING NUMBER	I/O CABLE CONDUCTOR NUMBER	LOGIC NAME	
A5-48, A3-50	3	1	RDA8	Demand Address Bit 8 (200 TPI only)
A5-50, A3-49	1	2	RDA7	Demand Address Bit 7
A5-49, A3-47	2	3	RDA6	Demand Address Bit 6
A5-47, A3-45	4	4	RDA5	Demand Address Bit 5
A5-45, A3-43	6	5	RDA4	Demand Address Bit 4
A5-43, A3-41	9	6	RDA3	Demand Address Bit 3
A5-41, A3-39	10	7	RDA2	Demand Address Bit 2
A5-39, A3-37	12	8	RDA1	Demand Address Bit 1
A5-37, A3-35	14	9	RDA0	Demand Address Bit 0
A5-22, A2-38	24	10	RDAR	Demand Address Reset (Restore)
A5-46, A2-35	5	12	RDRE	Removable Disk Enable
A5-44, A2-37	7	14	REDM	Erase Data Mode
A5-42, A2-39	8	16	RWDM	Write Data Mode
A5-40, A2-42	11	18	XUNL	Unload (Malfunction)
A5-38, A2-44	13	20	XILA	Illegal Address
A5-36, A2-46	15	22	XWPM	Write Protect Mode
A5-34, A2-48	17	24	RULC	Unload Control (File Unload)
A5-32, Sel 04	18	26	RLF4	Logic File Select 4
A5-30, Sel 03	20	27	RLF3	Logic File Select 3
A5-28, Sel 02	21	28	RLF2	Logic File Select 2
A5-26, Sel 01	22	29	RLF1	Logic File Select 1
A5-35, A4-49	16	31	RHS0	Head Select 0 (Top Head)
A5-33, A4-45	19	33	RWDP	Write Data Pulse
A5-24, A2-40	23	35	RDAS	Demand Address Strobe (Seek or Restore)
A5-12, Busy 01	31	37	XBZ1	Busy Positioner 1
A5-14, Busy 02	28	39	XBZ2	Busy Positioner 2
A5-16, Busy 03	27	41	XBZ3	Busy Positioner 3
A5-18, Busy 04	25	43	XBZ4	Busy Positioner 4
A5-17, A1-38	26	45	XSRT	Sector Pulse
A5-15, A1-40	29	47	XIND	Index Selected
A5-13, A1-42	30	49	XSB0	Sector Address Bit 0
A5-11, A1-44	32	50	XSB1	Sector Address Bit 1
A5-09, A1-46	34	51	XSB2	Sector Address Bit 2
A5-07, A1-48	35	52	XSB3	Sector Address Bit 3
A5-05, A1-50	39	53	XSB4	Sector Address Bit 4
A5-10, A1-37	33	55	XRDB	Read Data Bit
A5-08, A1-41	36	57	XRDQ	Read Clock
A5-06, A1-43	37	59	RRDE	Read Enable
A5-04, A1-45	38	61	XFRY	File Ready
A5-02, A1-47	40	63	3.6 V	Terminating Voltage
A5-01, A1-49	41	64	3.6 V	Terminating Voltage
*A5-29, A4-47			XWCE	Write Check Error

Example: Conductor 1 wires to I/O PWB pin 3 which connects to backpanel I/O slot A5 pin 48 and then terminates at slot A3 pin 50. Pin assignments in I/O slots A5 and A6 are identical. See Dwg. 10D000232.

Conductors 11, 13, 15, 17, 19, 21, 23, 25, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 54, 56, 58, 60, 62 are to be connected to DC ground by the user.

Conductors 63 and 64 are to be tied together when used.

* See A4 sheet 1 for details

AMPEX

I/O INFORMATION

| A. Silverstein | 10D000164 | Rev A1 | Sheet 1 of 5 |