

B

0V 75 50 TAG 2 M
 TAG 1 M 50 50 TAG 1 M
 TAG 0 M 50 50 TAG 0 M
 BIT 7 M 50 50 BIT 7 M
 BIT 6 M 50 50 BIT 6 M
 BIT 5 M 50 50 BIT 5 M
 BIT 4 M 50 50 BIT 4 M
 BIT 3 M 50 50 BIT 3 M
 BIT 2 M 50 50 BIT 2 M
 BIT 1 M 50 50 BIT 1 M
 BIT 0 M 50 50 BIT 0 M
 WRITE PROT 75 M + WRITE PROT
 SEEK ERROR 75 M + SEEK ERROR
 CYLINDER 75 M + CYLINDER
 BUSY 75 M + BUSY
 UNIT READY 75 M + UNIT READY
 INDEX 75 M + INDEX
 FAULT 75 M + FAULT
 5V 75 M + 5V
 0V 75 M + 0V

J1

1 TAG 1 + M
 2 TAG 2 + M
 3 TAG 3 + M
 4 BIT 0 + M
 5 BIT 1 + M
 6 BIT 2 + M
 7 BIT 3 + M
 8 BIT 4 + M
 9 BIT 5 + M
 10 BIT 6 + M
 11 BIT 7 + M
 12 ODD PARITY + M
 13 SEEK ERROR + M
 14 CYLINDER + M

J2

1 + HOLD BIT 10 - M
 2 + WRITE PROT - M
 3 + WRITE PROT - M
 4 + CS2 - M
 5 + CS3 - M
 6 + SELECTOR - M
 7 + CS21 - M
 8 + CS22 - M
 9 + CS 744 - M
 10 + BUSY - M
 11 + UNIT READY - M
 12 + INDEX - M

LEFT DESIGNATION USED

CAVITATOR	CCD
FLAKE	FI
COLLECTOR	J10
INTEGRATED CIRCUIT	IC17
REGISTRAR	RIA
REPEATER MODULE	EM26
TRANS-MODE	DI
VOLTAGE REGULATOR	VRI

REFERENCE DESIGNATION	WAS USED	REF. SYMBOL
010	5/10	70521#

C

2V 3 0V
 +SELECTED 7 5 6 -SELECTED 7
 +SELECTED 8 5 6 -SELECTED 8
 +SELECTED 9 5 6 -SELECTED 9
 +SELECTED 10 5 6 -SELECTED 10
 +SELECTED 11 5 6 -SELECTED 11
 +SELECTED 12 5 6 -SELECTED 12
 +SELECTED 13 5 6 -SELECTED 13
 +SELECTED 14 5 6 -SELECTED 14
 +SELECTED 15 5 6 -SELECTED 15
 +SELECTED 16 5 6 -SELECTED 16
 +SELECTED 17 5 6 -SELECTED 17
 +SELECTED 18 5 6 -SELECTED 18
 +SELECTED 19 5 6 -SELECTED 19
 +SELECTED 20 5 6 -SELECTED 20
 +SELECTED 21 5 6 -SELECTED 21
 +SELECTED 22 5 6 -SELECTED 22
 +SELECTED 23 5 6 -SELECTED 23
 +SELECTED 24 5 6 -SELECTED 24
 +SELECTED 25 5 6 -SELECTED 25
 +SELECTED 26 5 6 -SELECTED 26
 +SELECTED 27 5 6 -SELECTED 27
 +SELECTED 28 5 6 -SELECTED 28
 +SELECTED 29 5 6 -SELECTED 29
 +SELECTED 30 5 6 -SELECTED 30
 +SELECTED 31 5 6 -SELECTED 31
 +SELECTED 32 5 6 -SELECTED 32
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 +SELECTED 34 5 6 -SELECTED 34
 +SELECTED 35 5 6 -SELECTED 35
 +SELECTED 36 5 6 -SELECTED 36
 +SELECTED 37 5 6 -SELECTED 37
 +SELECTED 38 5 6 -SELECTED 38
 +SELECTED 39 5 6 -SELECTED 39
 +SELECTED 40 5 6 -SELECTED 40
 +SELECTED 41 5 6 -SELECTED 41
 +SELECTED 42 5 6 -SELECTED 42
 +SELECTED 43 5 6 -SELECTED 43
 +SELECTED 44 5 6 -SELECTED 44
 +SELECTED 45 5 6 -SELECTED 45
 +SELECTED 46 5 6 -SELECTED 46
 +SELECTED 47 5 6 -SELECTED 47
 +SELECTED 48 5 6 -SELECTED 48
 +SELECTED 49 5 6 -SELECTED 49
 +SELECTED 50 5 6 -SELECTED 50
 +SELECTED 51 5 6 -SELECTED 51
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 +SELECTED 75 5 6 -SELECTED 75
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 +SELECTED 83 5 6 -SELECTED 83
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 +SELECTED 85 5 6 -SELECTED 85
 +SELECTED 86 5 6 -SELECTED 86
 +SELECTED 87 5 6 -SELECTED 87
 +SELECTED 88 5 6 -SELECTED 88
 +SELECTED 89 5 6 -SELECTED 89
 +SELECTED 90 5 6 -SELECTED 90
 +SELECTED 91 5 6 -SELECTED 91
 +SELECTED 92 5 6 -SELECTED 92
 +SELECTED 93 5 6 -SELECTED 93
 +SELECTED 94 5 6 -SELECTED 94
 +SELECTED 95 5 6 -SELECTED 95
 +SELECTED 96 5 6 -SELECTED 96
 +SELECTED 97 5 6 -SELECTED 97
 +SELECTED 98 5 6 -SELECTED 98
 +SELECTED 99 5 6 -SELECTED 99
 +SELECTED 100 5 6 -SELECTED 100

PORT 0

1 0V -SERVO - CLOCK 0 + M
 2 0V -SERVO - READ DATA 0 + M
 3 0V -SERVO - READ DATA 0 + M
 4 0V -SERVO - WRITE CLOCK 0 + M
 5 0V -SERVO - WRITE CLOCK 0 + M
 6 0V -SERVO - DATA 0 + M
 7 0V -SERVO - DATA 0 + M
 8 0V -SERVO - DATA 0 + M
 9 + SELECTED 0 - M
 10 - SEEK END 0 + M
 11 0V INDEX 0 + M
 12 - INDEX 0 - M
 13 - SECTOR 0 + M

PORT 1

1 0V -SERVO - CLOCK 1 + M
 2 0V -SERVO - READ DATA 1 + M
 3 0V -SERVO - READ DATA 1 + M
 4 0V -SERVO - WRITE CLOCK 1 + M
 5 0V -SERVO - WRITE CLOCK 1 + M
 6 0V -SERVO - DATA 1 + M
 7 0V -SERVO - DATA 1 + M
 8 0V -SERVO - DATA 1 + M
 9 + SELECTED 1 - M
 10 - SEEK END 1 + M
 11 0V INDEX 1 + M
 12 - INDEX 1 - M
 13 - SECTOR 1 + M

PORT 2

1 0V -SERVO - CLOCK 2 + M
 2 0V -SERVO - READ DATA 2 + M
 3 0V -SERVO - READ DATA 2 + M
 4 0V -SERVO - WRITE CLOCK 2 + M
 5 0V -SERVO - WRITE CLOCK 2 + M
 6 0V -SERVO - DATA 2 + M
 7 0V -SERVO - DATA 2 + M
 8 0V -SERVO - DATA 2 + M
 9 + SELECTED 2 - M
 10 - SEEK END 2 + M
 11 0V INDEX 2 + M
 12 - INDEX 2 - M
 13 - SECTOR 2 + M

PORT 3

1 0V -SERVO - CLOCK 3 + M
 2 0V -SERVO - READ DATA 3 + M
 3 0V -SERVO - READ DATA 3 + M
 4 0V -SERVO - WRITE CLOCK 3 + M
 5 0V -SERVO - WRITE CLOCK 3 + M
 6 0V -SERVO - DATA 3 + M
 7 0V -SERVO - DATA 3 + M
 8 0V -SERVO - DATA 3 + M
 9 + SELECTED 3 - M
 10 - SEEK END 3 + M
 11 0V INDEX 3 + M
 12 - INDEX 3 - M
 13 - SECTOR 3 + M

PORT 4

1 0V -SERVO - CLOCK 4 + M
 2 0V -SERVO - READ DATA 4 + M
 3 0V -SERVO - READ DATA 4 + M
 4 0V -SERVO - WRITE CLOCK 4 + M
 5 0V -SERVO - WRITE CLOCK 4 + M
 6 0V -SERVO - DATA 4 + M
 7 0V -SERVO - DATA 4 + M
 8 0V -SERVO - DATA 4 + M
 9 + SELECTED 4 - M
 10 - SEEK END 4 + M
 11 0V INDEX 4 + M
 12 - INDEX 4 - M
 13 - SECTOR 4 + M

PORT 5

1 0V -SERVO - CLOCK 5 + M
 2 0V -SERVO - READ DATA 5 + M
 3 0V -SERVO - READ DATA 5 + M
 4 0V -SERVO - WRITE CLOCK 5 + M
 5 0V -SERVO - WRITE CLOCK 5 + M
 6 0V -SERVO - DATA 5 + M
 7 0V -SERVO - DATA 5 + M
 8 0V -SERVO - DATA 5 + M
 9 + SELECTED 5 - M
 10 - SEEK END 5 + M
 11 0V INDEX 5 + M
 12 - INDEX 5 - M
 13 - SECTOR 5 + M

PORT 6

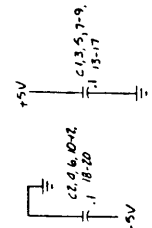
1 0V -SERVO - CLOCK 6 + M
 2 0V -SERVO - READ DATA 6 + M
 3 0V -SERVO - READ DATA 6 + M
 4 0V -SERVO - WRITE CLOCK 6 + M
 5 0V -SERVO - WRITE CLOCK 6 + M
 6 0V -SERVO - DATA 6 + M
 7 0V -SERVO - DATA 6 + M
 8 0V -SERVO - DATA 6 + M
 9 + SELECTED 6 - M
 10 - SEEK END 6 + M
 11 0V INDEX 6 + M
 12 - INDEX 6 - M
 13 - SECTOR 6 + M

PORT 7

1 0V -SERVO - CLOCK 7 + M
 2 0V -SERVO - READ DATA 7 + M
 3 0V -SERVO - READ DATA 7 + M
 4 0V -SERVO - WRITE CLOCK 7 + M
 5 0V -SERVO - WRITE CLOCK 7 + M
 6 0V -SERVO - DATA 7 + M
 7 0V -SERVO - DATA 7 + M
 8 0V -SERVO - DATA 7 + M
 9 + SELECTED 7 - M
 10 - SEEK END 7 + M
 11 0V INDEX 7 + M
 12 - INDEX 7 - M
 13 - SECTOR 7 + M

PORT 10

1 0V -SERVO - CLOCK 7 + M
 2 0V -SERVO - READ DATA 7 + M
 3 0V -SERVO - READ DATA 7 + M
 4 0V -SERVO - WRITE CLOCK 7 + M
 5 0V -SERVO - WRITE CLOCK 7 + M
 6 0V -SERVO - DATA 7 + M
 7 0V -SERVO - DATA 7 + M
 8 0V -SERVO - DATA 7 + M
 9 + SELECTED 7 - M
 10 - SEEK END 7 + M
 11 0V INDEX 7 + M
 12 - INDEX 7 - M
 13 - SECTOR 7 + M



NOTES: UNLESS OTHERWISE SPECIFIED
 1 CAPACITANCE VALUES ARE IN MICROFARADS.
 2 RESISTANCE VALUES ARE IN OHMS, 100K, 100K, 100K.

SHEET 5 READ DATA SYNCHRONIZATION AND PORT SELECTOR
 SHEET 4 'B' CABLE INTERFACE
 SHEET 3 'B' CABLE INTERFACE
 SHEET 2 'A' CABLE INTERFACE

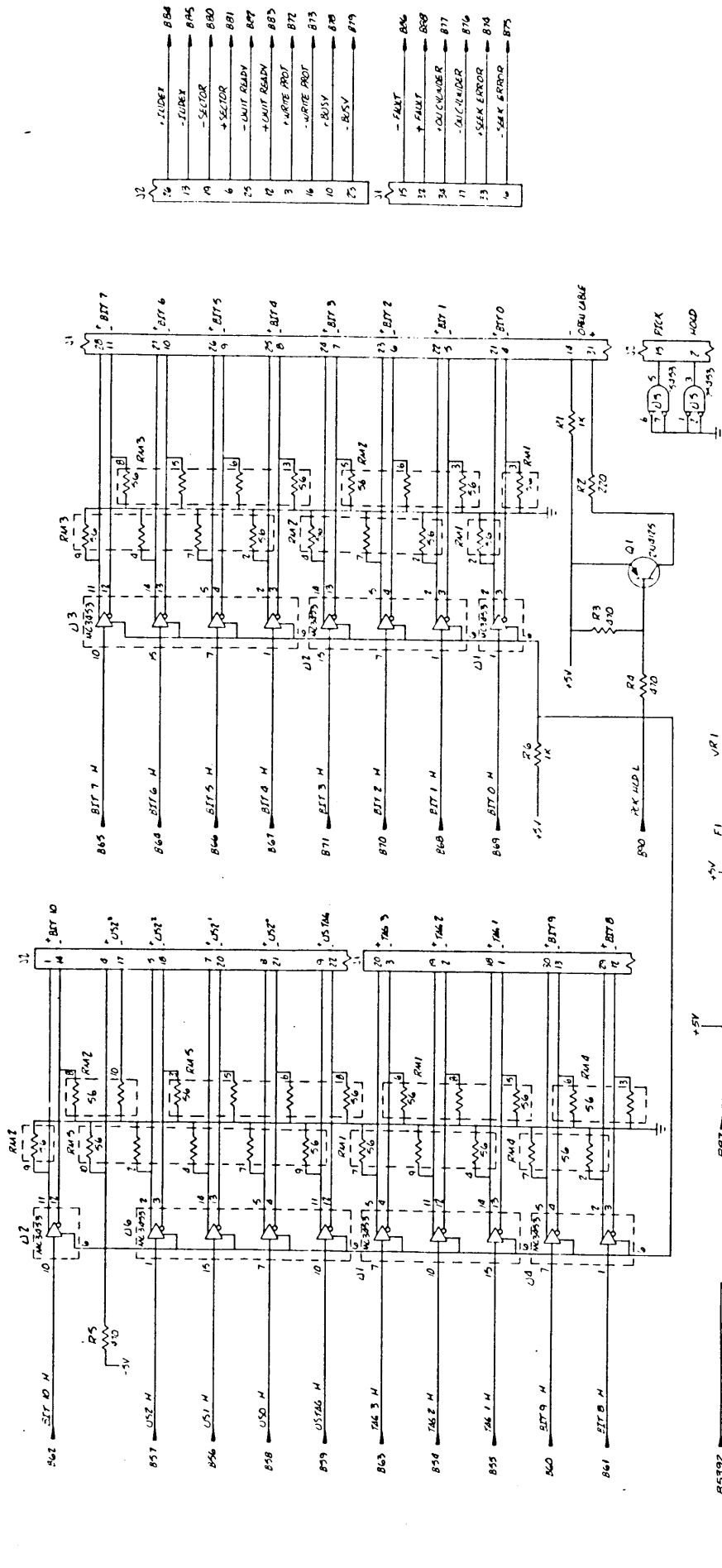
EMULX CORPORATION
 SANTA ANA, CALIF.

TITLE SCHEMATIC DIAGRAM -
 SUB B PORT CABLE ADAPTER

DRAWN G. BATT
 CHECKED G. BATT
 ENGINEER G. BATT
 APPROVED G. BATT

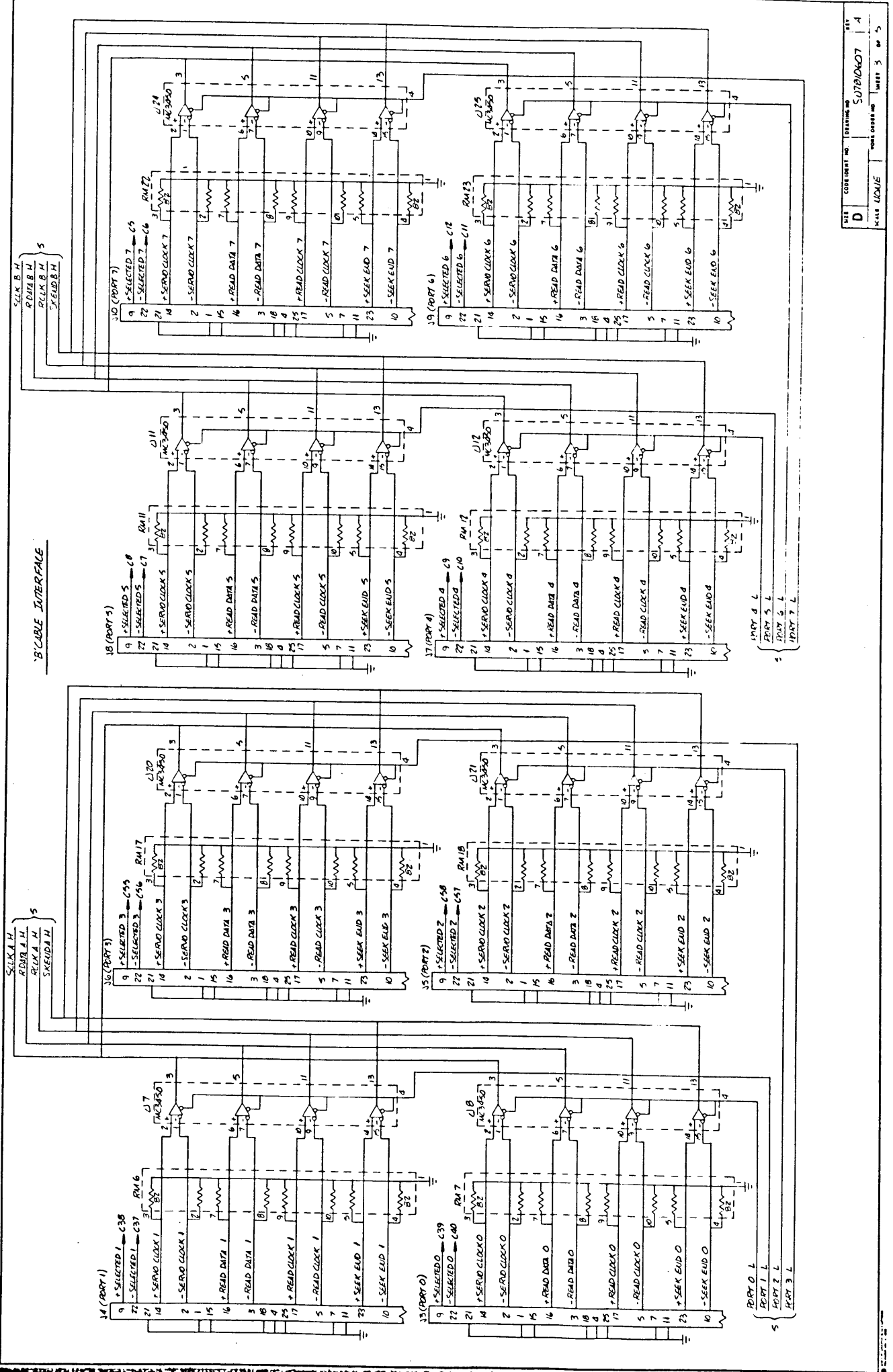
DATE 10-11-78
 SCALE 1:1
 SHEET 1 OF 5

1' CABLE INTERFACE



B5392
 C91
 E4, A1, B1, C1, D1, E1, F1, G1, H1, I1, J1, K1, L1, M1, N1, O1, P1, Q1, R1, S1, T1, U1, V1, W1, X1, Y1, Z1
 1/2 BIT 0, 1/2 BIT 1, 1/2 BIT 2, 1/2 BIT 3, 1/2 BIT 4, 1/2 BIT 5, 1/2 BIT 6, 1/2 BIT 7, 1/2 BIT 8, 1/2 BIT 9, 1/2 BIT 10, 1/2 BIT 11, 1/2 BIT 12, 1/2 BIT 13, 1/2 BIT 14, 1/2 BIT 15

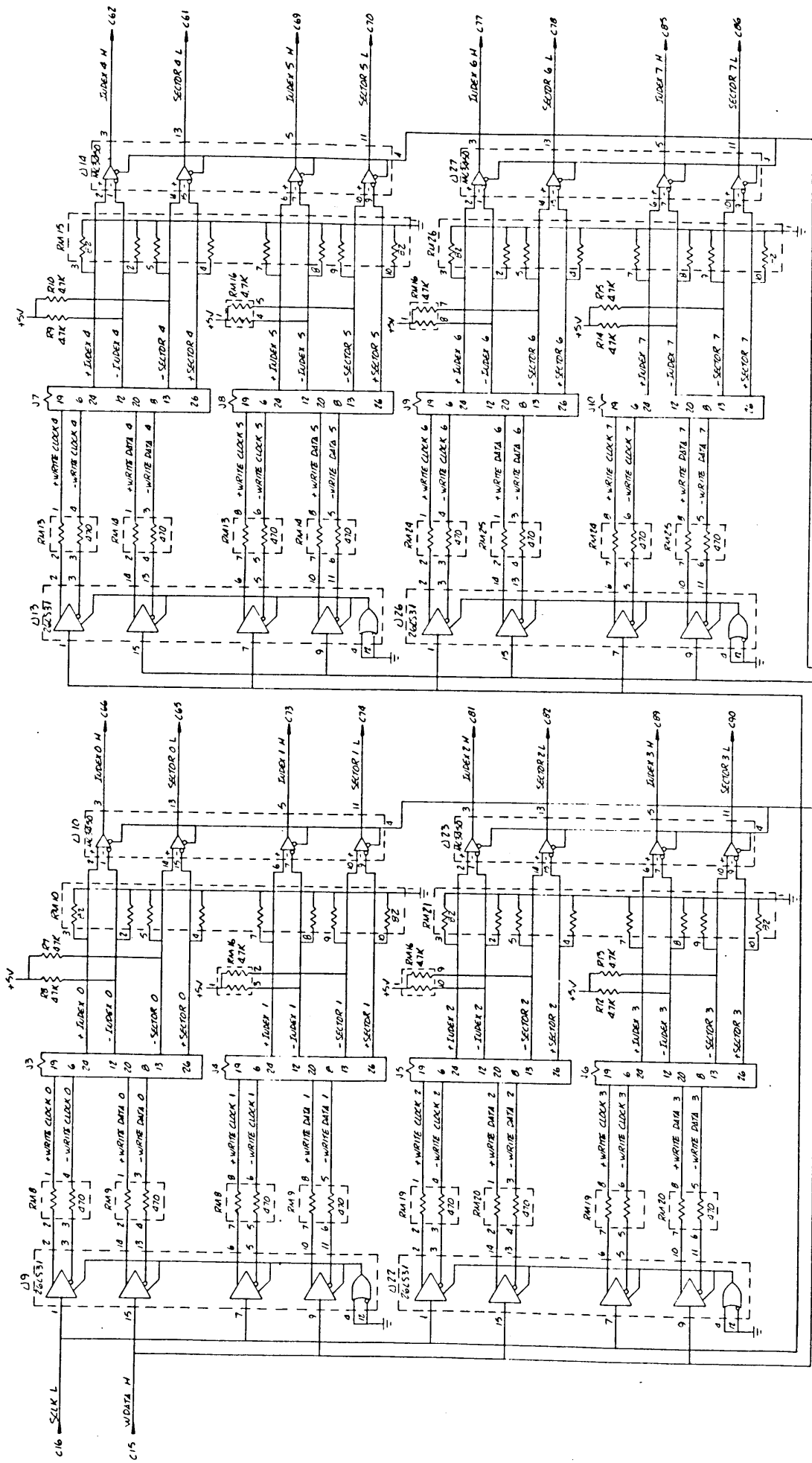
'B' CABLE INTERFACE



PART 1 L
 PART 2 L
 PART 3 L

PART 4 L
 PART 5 L
 PART 6 L
 PART 7 L

B' CABLE INTERFACE



5 2019100 M

READ DATA SYNCHRONIZATION AND PORT SECTOR

