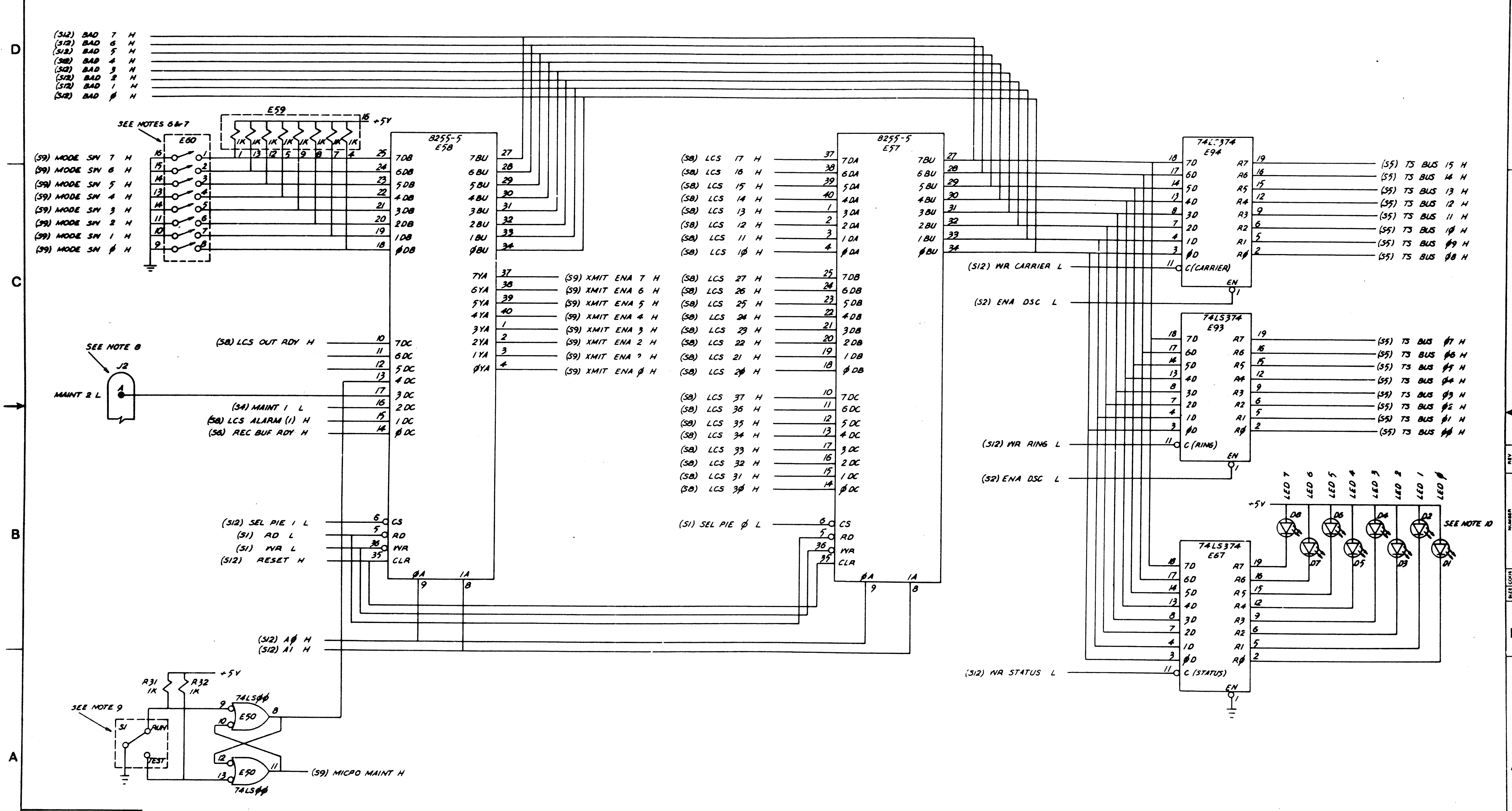


(MICRO I/O REGISTERS)

TITLE	SIZE	CODE	NUMBER	REV
DZS11-EA STATISTICAL MUX (S9)	D	CS	M7190-0-1	C

SHEET 9 OF 14

8253-5
E21
CLOCK

(S12) A Ø1 H
(S12) A ØØ H
(S12) SEL TIMER L
(S12) B RD L
(S12) B WR L
(S4) M SCAN ENA H
+3VA
+3VC
(S12) CLOCK H
74LS74
E42
(S10) CLOCK C H
(S10) CLOCK B H
(S10) CLOCK OUT H

8273
E40
HDLC
CONTROL

(S12) A Ø1 H
(S12) A ØØ H
(S11) TX CLK H
(S11) RX CLK H
(S11) MAIN SERIAL IN H
(S12) SEL COMM L
(S12) RD L
(S12) WR L
(S12) B CLOCK L
(S12) RESET H
(S11) DSR L
(S11) MODEM RDY L
(S11) EXT LOOP BACK L
(S10) XMIT INTR H
(S10) REC INTR H
(S10) SERIAL OUT H
(S12) RESET H
(S10) PB2 L
(S10) DTR L

8237-2
E41
DMA
CONTROL

(S12) SEL DMA L
(S12) RD L
(S12) WR L
(S12) B RD L
(S12) B WR L
(S12) B CLOCK L
(S12) HOLDA H
+3VC
+5V
(S12) A Ø7 H
(S12) A Ø6 H
(S12) A Ø5 H
(S12) A Ø4 H
(S12) A Ø3 H
(S12) A Ø2 H
(S12) A Ø1 H
(S12) A ØØ H
(S12) HOLD H

74LS373
E31

(S12) A 15 H
(S12) A 14 H
(S12) A 13 H
(S12) A 12 H
(S12) A 11 H
(S12) A 10 H
(S12) A Ø9 H
(S12) A Ø8 H

(S11) BAD 7 H
(S11) BAD 6 H
(S11) BAD 5 H
(S12) BAD 4 H
(S12) BAD 3 H
(S12) BAD 2 H
(S12) BAD 1 H
(S12) BAD Ø H

74LSØØ
E50
R33
4K7
+5V
(S10) AENA H

REVISIONS

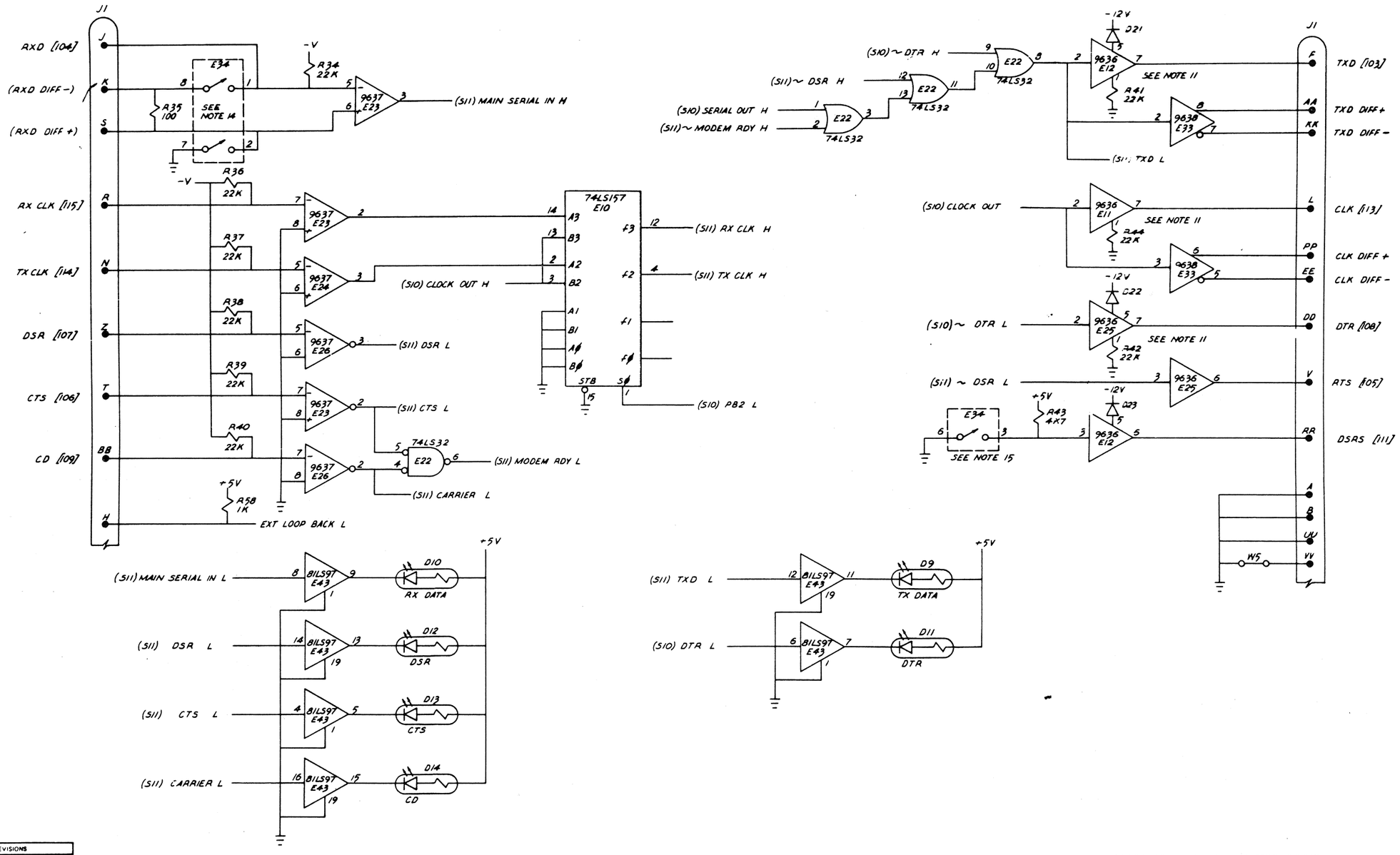
CHK	CHANGE NO.	REV.

(COMPOSITE PORT COMMUNICATION CONTROLLER)

TITLE	SIZE	CODE	NUMBER	REV
DZS11-EA STATISTICAL MUX (S10)	D	CS	M7190-0-1	C

SCALE — SHEET 10 OF 14 DIST

DEC FORM NO DRB 130



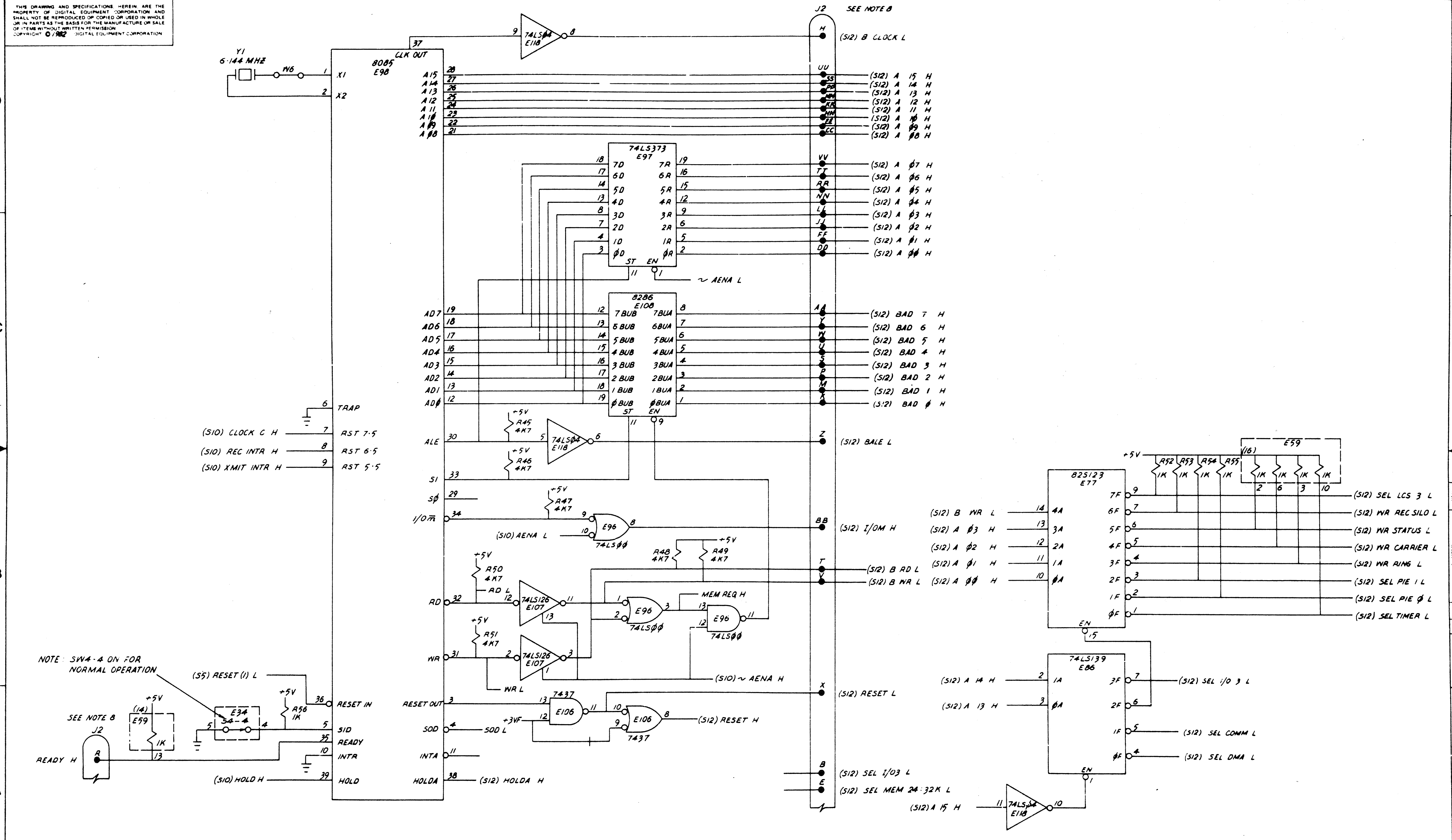
REVISIONS		
CHK	CHANGE NO.	REV

(COMPOSITE PORT TRANSCEIVERS)

TITLE	SIZE	CODE	NUMBER	REV
DZS11-EA STATISTICAL MUX (S11)	D	CS	M7190-0-1	C

SHEET 11 OF 14 — DIST

DEC FORM NO. DRD 100



(MICROPROCESSOR)

DZS11-EA STATISTICAL MUX (S12)	D CS	M7190-0-1	C

SHEET 12 OF 14

REVISIONS: CHK | CHANGE NO. | REV

D CS M7190-0-1 C

(S12) A Ø Ø H
(S12) A Ø 1 H
(S12) A Ø 2 H
(S12) A Ø 3 H
(S12) A Ø 4 H
(S12) A Ø 5 H
(S12) A Ø 6 H
(S12) A Ø 7 H
(S12) A Ø 8 H
(S12) A Ø 9 H
(S12) A 1Ø H
(S12) BRD L

+5V
R3
1K 1K 1K 1K 1K 1K 1K 1K
3 4 5 6 7 8 9 10

825123 E32
ROM C
EN 15

(S12) A 15 H
(S12) A 14 H
(S12) A 13 H
(S12) A 12 H
(S12) A 11 H

(S13) SEL MEM 16:24K L
(S13) SEL MEM 24:32K L

74LS138 E9
(S13) SEL 16:24K
+3VA

(S12) 10M H
(S12) MEM REQ H
E37 74LSØØ
E36 74LS08
SEE NOTE 8
J2
(S13) EXT MEM L
R57 1K +5V

2716 E30 ROM Ø
2716 E29 ROM 1
2716 E28 ROM 2
2716 E27 ROM 3
CS VPP PD

(S12) BAD Ø H
(S12) BAD 1 H
(S12) BAD 2 H
(S12) BAD 3 H
(S12) BAD 4 H
(S12) BAD 5 H
(S12) BAD 6 H
(S12) BAD 7 H

+5V W3 W1 W4 W2 SEE NOTE 13
(S13) A 11 H

2114 L E1 E2 E3 E4 E5 E6 E7 E8
2114 L E13 E14 E15 E16 E17 E18 E19 E20
CS

B WR L

REVISIONS		
CHK	CHANGE NO	REV

(MICROPROCESSOR ROM / RAM)

DZS11-EA STATISTICAL MUX (S13) | D | CS | M7190-0-1 | C
SHEET 13 OF 14

M7190-0-1 C D CS

1. WHEN A SWITCH IS CLOSED (ON), THE COMPARATOR RECOGNISES THE RESPECTIVE UNIBUS ADDRESS BIT WHEN IT IS A LOGIC ONE (LOW). WHEN A SWITCH IS OPEN (OFF) THE COMPARATOR RECOGNISES THE RESPECTIVE UNIBUS ADDRESS BIT WHEN IT IS A LOGIC ZERO (HIGH).

2. THE "B" AND "D" INPUTS ON THE 8136 LOGIC SYMBOL HAVE THE FOLLOWING MEANING:

   B = UNIBUS RECEIVER INPUT
   D = TTL LOGIC INPUT.

3. THE 8136 CONTAINS SIX VOLTAGE COMPARATORS WITH A COMMON OUTPUT. EACH COMPARATOR MUST HAVE IT'S "B" AND "D" INPUTS THE SAME, AT THE SAME TIME, FOR A TRUE (HIGH) OUTPUT.

4. PRIORITY 5 IS THE STANDARD FOR THIS MODULE, THEREFORE E68 SHOWS THE REQUEST AND GIANT PATHS FOR PRIORITY 5.

5. WHEN THE SWITCH IS CLOSED (ON), THE RESPECTIVE VECTOR BIT IS SET TO A LOGICAL ONE. WHEN A SWITCH IS OPEN (OFF), THE RESPECTIVE VECTOR BIT IS SET TO A LOGICAL ZERO.

6. SWITCH PACK E68 ENABLES SELECTION OF COMPOSITE PORT BAUD RATES, COMPOSITE PORT TIMING SOURCE, AND ENABLES CONTINUOUS OPERATION OF SELECTED OFFLINE MICRODIAGNOSTICS.

COMPOSITE PORT BAUD RATE

BAUD RATE	SW6	SW7	SW8
1200	ON	ON	ON
1800	ON	ON	OFF
2400	ON	OFF	ON
3600	ON	OFF	OFF
4800	OFF	ON	ON
7200	OFF	ON	OFF
9600	OFF	OFF	ON
19200	OFF	OFF	OFF

NOTE:

SW5 = ON (CLOSED) SELECTS EXTERNAL CLOCK
SW5 = OFF (OPEN) SELECTS INTERNAL CLOCK

MICRODIAGNOSTIC CONTROL

TEST	SW2	SW3	SW4
ROM	ON	ON	OFF
RAM	ON	OFF	ON
CLOCK	ON	OFF	OFF
X.25 LOGIC	OFF	ON	ON
X.25 INT DATA	OFF	ON	OFF
DMA LOGIC	OFF	OFF	ON
X.25 EXT DATA	OFF	OFF	OFF

NOTE:

SW1 = OFF (OPEN) FOR LOOP ON SELECT TEST
SW1 = ON (CLOSED) FOR RUN ALL TESTS

7. BAUD RATE SELECT SWITCHES E60-6, E60-7, AND E60-8, MUST BE SET TO OPERATIONAL BAUD RATE FOR BOTH INTERNAL AND EXTERNAL TIMING CLOCK.

8. J2 IS AN OPTION PORT, AND IS RESERVED FOR FUTURE EXPANSION.

9. S1 IS THE RUN/MAINTENANCE SWITCH AND IS USED TO ENABLE OFF LINE MICRODIAGNOSTIC. WHEN IN THE RUN POSITION (RUN LOW) THE MICROCONTROLLER WILL BE IN STATISTICAL MUX MODE. WHEN IN THE TEST POSITION (TEST LOW) THE MICROCONTROLLER WILL BE IN THE DIAGNOSTIC MODE.

10. LEDS 0 THRU 7 DISPLAY BOTH OPERATIONAL AND MAINTENANCE STATUS.
    LEDS 7 THRU 6 DISPLAY THE MODE, I.E. WHEN LEDS 7 THRU 6 ARE FLASHING, LEDS 0 THRU 5 DISPLAY STATISTICAL MUX OPERATIONAL STATUS. WHEN LEDS 7 THRU 6 ARE IN ANY STEADY STATE, LEDS 0 THRU 5 DISPLAY MAINTENANCE STATUS.

11. R35, 41, 42, AND 44 SELECT RS-423, RS-232C SLEW RATE. OPTION IS SHIPPED WITH 22K RESISTOR INSTALLED ENABLING ALL BAUD RATES TO OPERATE OVER 50 FEET.

EIA RS-423/RS-232C SLEW RATE RESISTOR VALUES

BAUD RATE	RESISTOR VALUE
38.4K BAUD	22K OHMS
19.2K BAUD	57K OHMS
9.6K BAUD	120K OHMS
4.8K BAUD	200K OHMS
2.4K BAUD	430K OHMS
1.2K BAUD	820K OHMS

12. W8 SHOULD BE INSTALLED FOR NORMAL OPERATION.

13. W3 AND W4 SHOULD BE INSTALLED. (2716 OPERATION).
    W1 AND W2 SHOULD NOT BE INSTALLED (2732 OPERATION).

14. TO ENABLE MAIN COMPOSITE PORT FOR EIA RS-423/232C OPERATION, SET E34-1 OFF AND E34-2 ON.
    TO ENABLE MAIN COMPOSITE PORT FOR EIA LONG LINE DRIVE OPERATION SET E34-1 ON AND E34-2 OFF.

15. E34-3 IS THE MODEM BAUD RATE SELECTOR.
    SET E34-3 ON TO ENABLE HIGH BUAD RATE.
    SET E34-3 OFF TO ENABLE LOW BAUD RATE.
    NORMAL OPERATION IS WITH E34-3 ON.

REVISIONS		
CHK	CHANGE NO	REV

(NOTES)

TITLE	SIZE	CODE	NUMBER	REV
DZS11-EA STATISTICAL MUX (S14)	C	CS	M7190-0-1	C
SCALE — SHEET 14 OF 14	DIST			

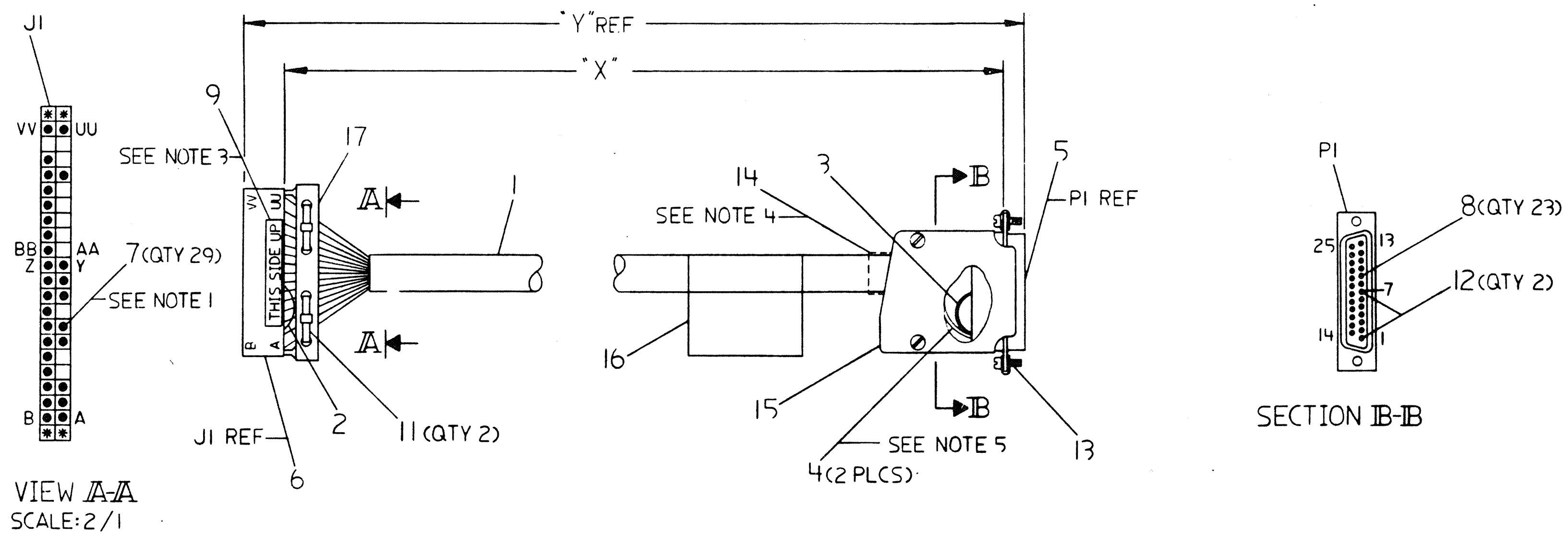
SIZE C CODE CS NUMBER M7190-0-1 REV C

LEGEND

NUMBER	REV	DIM "X"	DIM "Y" (PRECUT)
BCØ5C-1F	–	18 IN ±1 IN	19.8 IN ±1 IN
BCØ5C-2F	–	30 IN ±1 IN	31.8 IN ±1 IN
BCØ5C-Ø5	–	5 FT ±2 IN	5 FT 1.8 IN ±2 IN
BCØ5C-Ø9	–	9 FT ±3 IN	9 FT 1.8 IN ±3 IN
BCØ5C-1Ø	–	10 FT ±3 IN	10 FT 1.8 IN ±3 IN
BCØ5C-25	–	25 FT ±3 IN	25 FT 1.8 IN ±3 IN
BCØ5C-35	–	35 FT ±2%	35 FT 1.8 IN ±2%
BCØ5C-5Ø	–	50 FT ±2%	50 FT 1.8 IN ±2%
BCØ5C-7Ø	–	70 FT ±2%	70 FT 1.8 IN ±2%
BCØ5C-A5	–	150 FT ±2%	150 FT 1.8 IN ±2%
BCØ5C-C5	–	350 FT ±2%	350 FT 1.8 IN ±2%

NOTES:

1. MANUFACTURING SHOULD USE MACHINE CRIMPER TOOL FOR CRIMPING PINS (ITEM #7). MUST BE HT68 FROM BERG ELECT.
2. ONLY DEC P/N 1210918-15 MAY BE USED AS J1.
3. PLACE ITEM #9 ("THIS SIDE UP" STICKER) ON LETTERED SIDE OF ITEM #6 (BERG HOUSING) AS SHOWN.
4. DUE TO ± TOLERANCES WITH DIFFERENT VENDORS THE CABLE HOLE DIA. IN HOOD (ITEM 5) MAY VARY, CAUSING POTENTIAL STRAIN RELIEF GRIPPING PROBLEM. SHOULD THIS CONDITION BE PRESENT, USE ITEM #14 (9007834) AT JUNCTION OF CABLE AND HOOD.
5. PLACE ITEM #4 (9107256) OVER SHIELD WIRE J1-A, J1-B, P1-1, P1-7.
6. CABLES THAT EXCEED 50 FT. ARE NOT GUARANTEED BY DIGITAL EQUIP. CORP. TO FUNCTION SATISFACTORILY. CABLES OVER 50 FT. ARE SUPPLIED AT CUSTOMERS OWN RISK.



CAUTION: OFF SHEET PARTS LIST EXISTS REFER TO K-PL-BCØ5C-Ø-Ø.

REVISIONS		
CHK	CHANGE NO.	REV.
[illegible]	REVISED AND REDRAWN BCØ5C-MKØ11	L

S. [illegible] 4 Aug 82
M. LAWRENCE
[illegible]

DESCRIPTION	DWG./PART NO.	ITEM NO.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
ANGLES ±0° 30'
SURFACE QUALITY IN MICROINCHES
QUANTITY & VARIATION
THIRD ANGLE PROJECTION
REMOVE BURRS AND BREAK SHARP CORNERS
DO NOT SCALE DWG

DRN.	S ROBERTS	3-NOV-71
CHK'D	R. COOK	5-NOV-71
ENG.	R M. SMITH	5-NOV-71
PROJ. ENG.	R M SMITH	5-NOV-71
PROD.	R GILLSON	8-NOV-71

NEXT HIGHER ASSY.
FIRST USED ON: DN11
digital

TITLE: CABLE, MODEM BCØ5C

MATERIAL: SEE PARTS LIST
FINISH: //
SCALE: NONE
SHEET OF 2

SIZE	CODE	NUMBER	REV.
D	UA	BCØ5C-Ø-Ø	L

DIST.
MK

WIRE TABLE

ITEM NO.	DESCRIPTION AWG	DESCRIPTION COLOR	FROM CONN	FROM WITH	TO CONN	TO WITH	REMARKS
1	26	BLU/WHT	P1-1*	12	J1-VV	7	
		WHT/BLU	P1-2	8	J1-F		
		ORN/WHT	P1-3		J1-J		
		WHT/ORN	P1-4		J1-V		
		GRN/WHT	P1-5		J1-T		
		WHT/GRN	P1-6	8	J1-Z		
		BRN/WHT	P1-7**	12	J1-UU		
		WHT/BRN	P1-8	8	J1-BB		
		GRY/WHT	P1-9		J1-Y		
		WHT/GRY	P1-10		J1-W		
		BLU/RED	P1-11		J1-FF		
		RED/BLU	P1-12		J1-JJ		
		ORN/RED	P1-13		J1-D		
		GRY/RED	P1-14		J1-LL		
	26	GRY/GRN	P1-15	8	J1-N	7	

WIRE TABLE CONT.

ITEM NO.	DESCRIPTION AWG	DESCRIPTION COLOR	FROM CONN	FROM WITH	TO CONN	TO WITH	REMARKS
1	26	RED/BRN	P1-16	8	J1-NN	7	
		GRY	P1-17		J1-R		
		RED/GRY	P1-18		J1-U		
		BLU/BLK	P1-19		J1-P		
		BLK/BLU	P1-20		J1-DD		
		ORN/BLK	P1-21		J1-MM		
		BLK/ORN	P1-22		J1-X		
		GRN/BLK	P1-23		J1-RR		
		BRN/RED	P1-24		J1-L		
		RED/ORN	P1-25	8	J1-C		
		SHIELD	P1-1*	12	J1-A		
		SHIELD	P1-7**	12	J1-B	7	
3		BLK	P1-1*	12	P1-7**	12	
2	26	RED	J1-E	7	J1-M	7	

* DENOTES THREE WIRES ARE SOLDERED INTO THE P1-1 SOLDER CUP.
** DENOTES THREE WIRES ARE SOLDERED INTO THE P1-7 SOLDER CUP.

REVISION HISTORY		
DATE	ECO NUMBER	REV

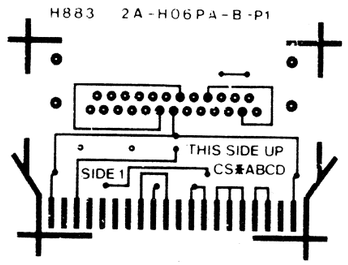
TITLE: CABLE MODEM BGØ5G

DOCUMENT NUMBER: SIZE D | CODE | NUMBER DUA-BGØ5G-0-0 | REV L

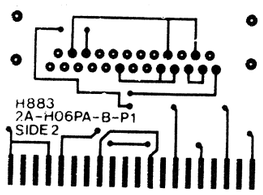
SCALE NONE | SHEET 1 OF 1

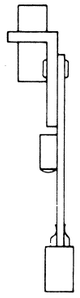
MK

SIDE 1

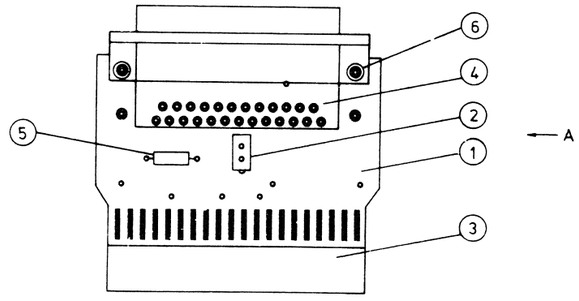


SIDE 2

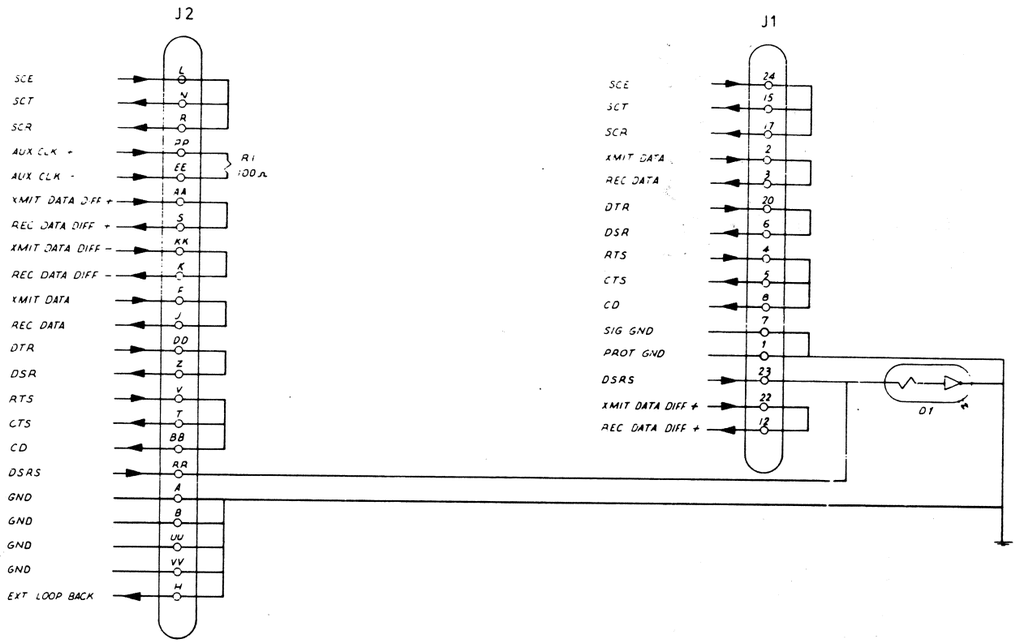




VIEW A



digital	EQUIPMENT AUSTRALIA PTY LTD
H883 TEST CONNECTOR	
B-DD-MACO6LB-C-0	D UA
1/2	H883-0-0



QTY	DESCRIPTION	PART NO	ITEM NO.
2	EYELET ROLLED FLANGE 121	90-06746-00	6
1	100.0 25W 5% FUSE	13-10881-03	5
1	CONN, D SUB 25 PIN	12-15599-00	4
1	EDGE CARD PLUG, 40 PIN	12-11620-00	3
1	LED 6.5 MA 5V	11-14136-01	2
1	ETCHED CIRCUIT BOARD	2A-H06PA-00	1

PARTS LIST

DRN	DATE FEB 83	digital EQUIPMENT AUSTRALIA PTY LTD.
CHKD	DATE	
ENG	DATE	H883 TEST CONNECTOR
PROJ ENG	DATE 17.2.83	
PROD	DATE 16.3.83	

NEXT HIGHER ASSY: D-UA-H883-0-0
SCALE
SHEET 1 OF 1

SIZE	CODE	NUMBER	REV
D	CS	H883-0-1	0

DIST

REVISIONS		
CHK	CHANGE NO	REV
INITIAL		C

DEC FORM NO DRB 102AB

29-SEP-82 09 43 P A R T S L I S T SHEET A1 OF A1

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION EA	REFERENCE DESIGNATOR
1	1	BX-Q3133-TK-001	BXQ3133-TK	DOCUMENTATION PACK DZS11-EA	1	
2	2		M7190	CONTROL MODULE DXS11-EA	1	
3	3		BC05C-25	CABLE MODEM	1	
4	4		H883	TEST CONNECTOR	1	
5						
6						
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REVISION HISTORY			BASIC PART NO: DZS11-EA										
ENG	ECO HISTORY	REV	SECTION A OF A	DRN: C ROLINSON	DATE: 10-JUN-82		D	I	G	I	T	A	L
	INITIAL	C	SECTION VARIATION INDEX	CHK'D: D KNOX	DATE: 10-JUN-82	TITLE: PARTS LIST							
			[A] EA			DZS11-EA SHIPPING LIST							
			[B]	DES ENG: R STARKEY	DATE: 10-JUN-82								
			[C]			DOCUMENT NUMBER							
			[D]	RESP ENG: R STARKEY	DATE: 10-JUN-82								
			[E]			SIZE: C	CODE:	NUMBER				REV	
			[F]	MFG ENG: A WILLIAMS	DATE: 10-JUN-82	A	PL	DZS11-EA				C	
			[H]										
			[J]										
			[K]										
			[L]	ASSEMBLY NUMBER	TOP DOCUMENT NUMBER	FILE NAME:						EDIT #	
	—		[M]	DZS11-EA	B-TC-DZS11-EA	XPLDZS11-EA						3	
			[N]										