

APPENDIX A

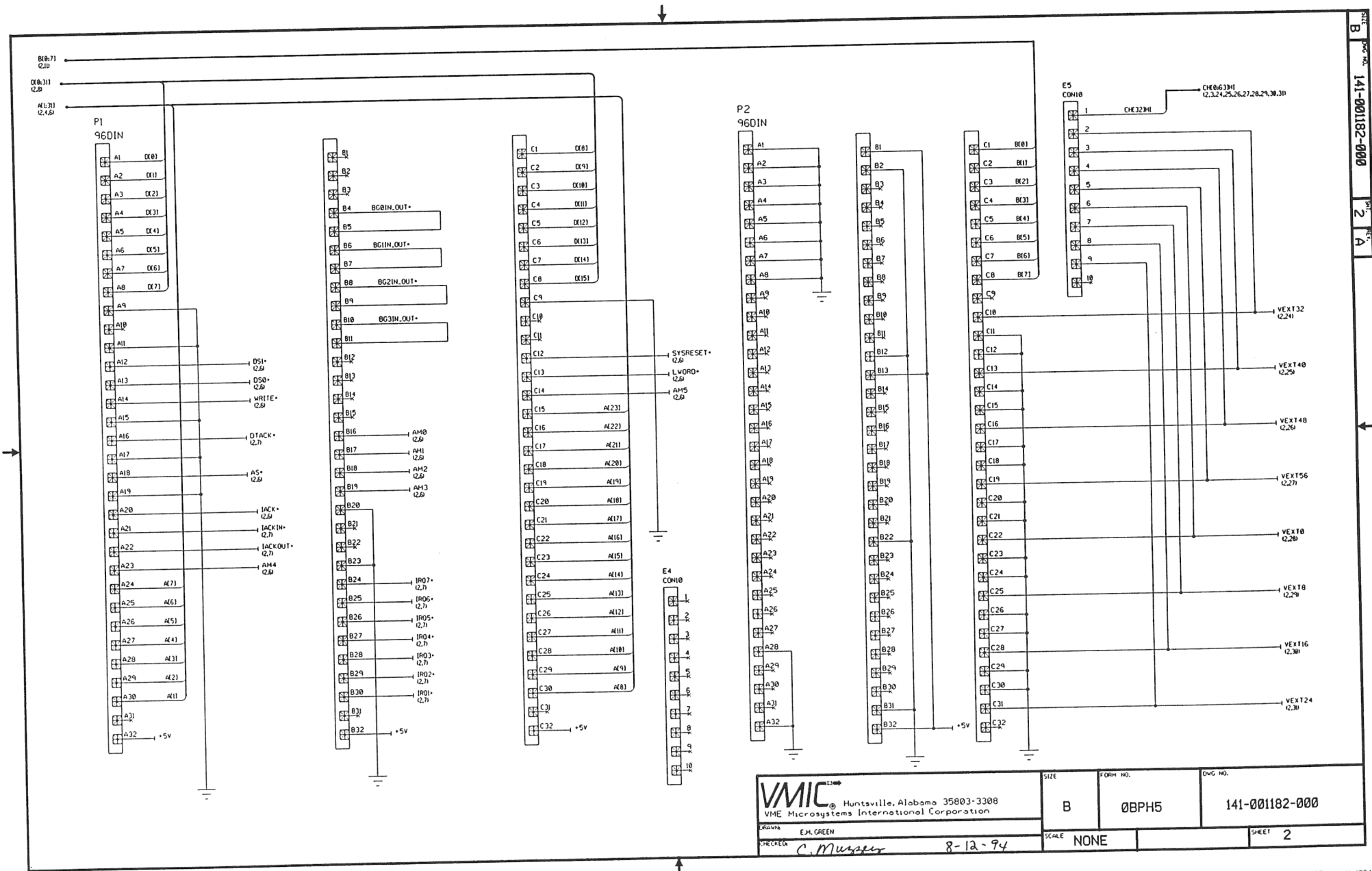
ASSEMBLY DRAWING, PARTS LIST, AND SCHEMATIC

NOTES:

1. ALL RESISTOR VALUES ARE IN OHMS.
2. UNLESS OTHERWISE SPECIFIED:
 - A. ALL RESISTORS ARE 1/4 WATT, 5%.
 - B. ALL CAPACITOR VALUES ARE SHOWN IN MICROFARADS

REVISIONS			
REV	DESCRIPTION	DATE	APPROVAL
A	RELEASE PER ECO 94-0556	9.23.94	<i>[Signature]</i>

THIS DRAWING AND SPECIFICATION HEREON ARE THE PROPERTY OF VMIC AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS A BASIS FOR THE MANU- FACTURE OR SALE OF ITEMS WITH- OUT WRITTEN PERMISSION.	DRAWN: E.M. GREEN	9/8/93	VMIC Huntsville, Alabama 35803-3308 VME Microsystems International Corporation
	PROJ. ENG: J. CROUCH	2/7/94	
	ENR. PRAT: D. MELROSE	2/23/94	
	DATE: <i>[Signature]</i> 9/26/94	9/26/94	
TITLE: VMIVME - 1182 SCHEMATIC			SIZE: B FORM NO. 08PH5 DWG NO. 141-001182-000
SCALE: NONE			
			SHEET 1



VMIC ^{INC.} Huntsville, Alabama 35803-3308 VME Microsystems International Corporation		SIZE B	FORM NO. 08PH5	DWG NO. 141-001182-000
DESIGNED E.H. GREEN	CHECKED C. Musser	SCALE NONE	SHEET 2	
8-12-94				

CH0631.0
13.24,25,26,27,28,29,30,31

CH0631.0
13.24,25,26,27,28,29,30,31

P3
960IN

A1	CH032.0
A2	CH033.0
A3	CH034.0
A4	CH035.0
A5	CH036.0
A6	CH037.0
A7	CH038.0
A8	CH039.0
A9	CH040.0
A10	CH041.0
A11	CH042.0
A12	CH043.0
A13	CH044.0
A14	CH045.0
A15	CH046.0
A16	CH047.0
A17	CH048.0
A18	CH049.0
A19	CH050.0
A20	CH051.0
A21	CH052.0
A22	CH053.0
A23	CH054.0
A24	CH055.0
A25	CH056.0
A26	CH057.0
A27	CH058.0
A28	CH059.0
A29	CH060.0
A30	CH061.0
A31	CH062.0
A32	CH063.0

P3
960IN

B1	CH032.0
B2	CH033.0
B3	CH034.0
B4	CH035.0
B5	CH036.0
B6	CH037.0
B7	CH038.0
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B30	CH061.0
B31	CH062.0
B32	CH063.0

P3
960IN

C1	CH032.0
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C6	CH037.0
C7	CH038.0
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P4
960IN

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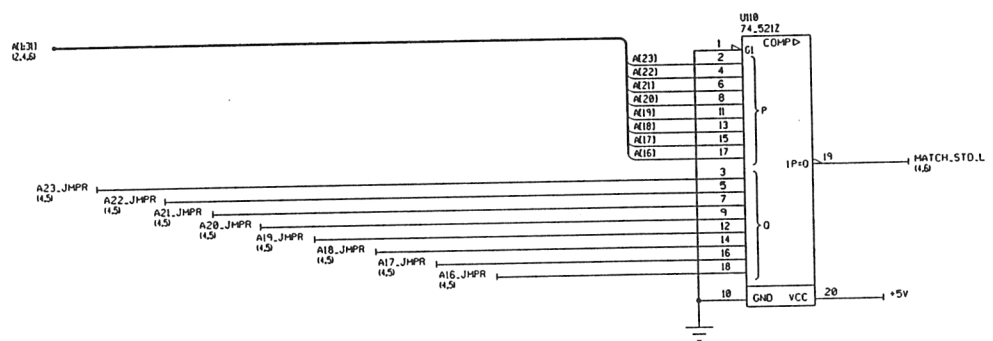
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B32	CH063.0

P4
960IN

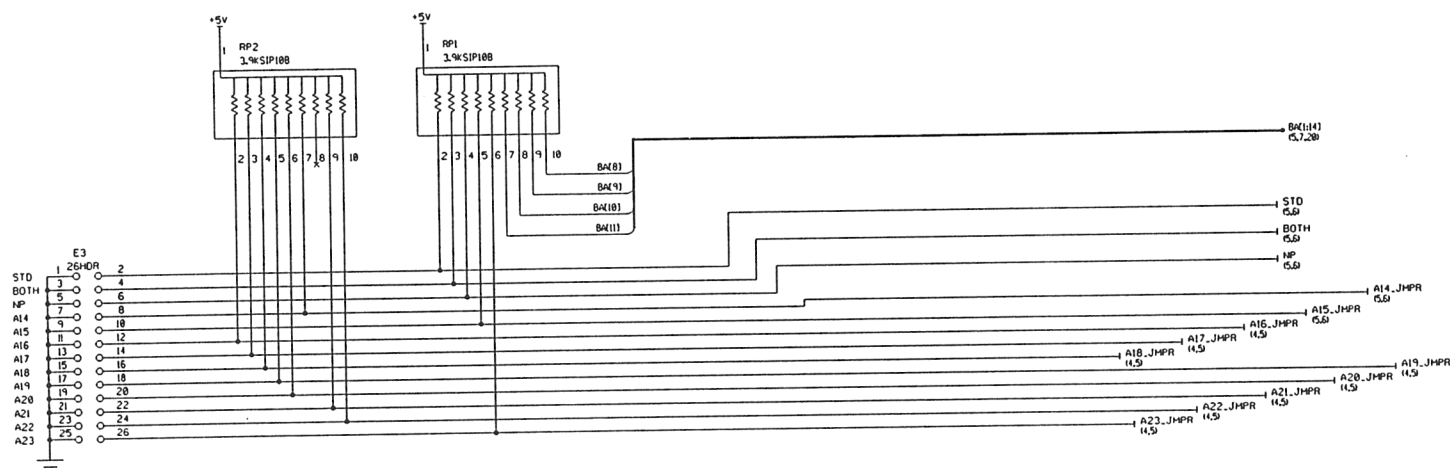
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C28	CH059.0
C29	CH060.0
C30	CH061.0
C31	CH062.0
C32	CH063.0

VMIC Huntsville, Alabama 35803-3308 VME Microsystems International Corporation		SIZE B	FORM NO. 08PH5	DWG NO. 141-001182-000
DRAWN E.H. GREEN	CHECKED C. M. M.	SCALE NONE	SHEET 3	
DATE 8-12-94				



VMEbus ADDRESS COMPARE

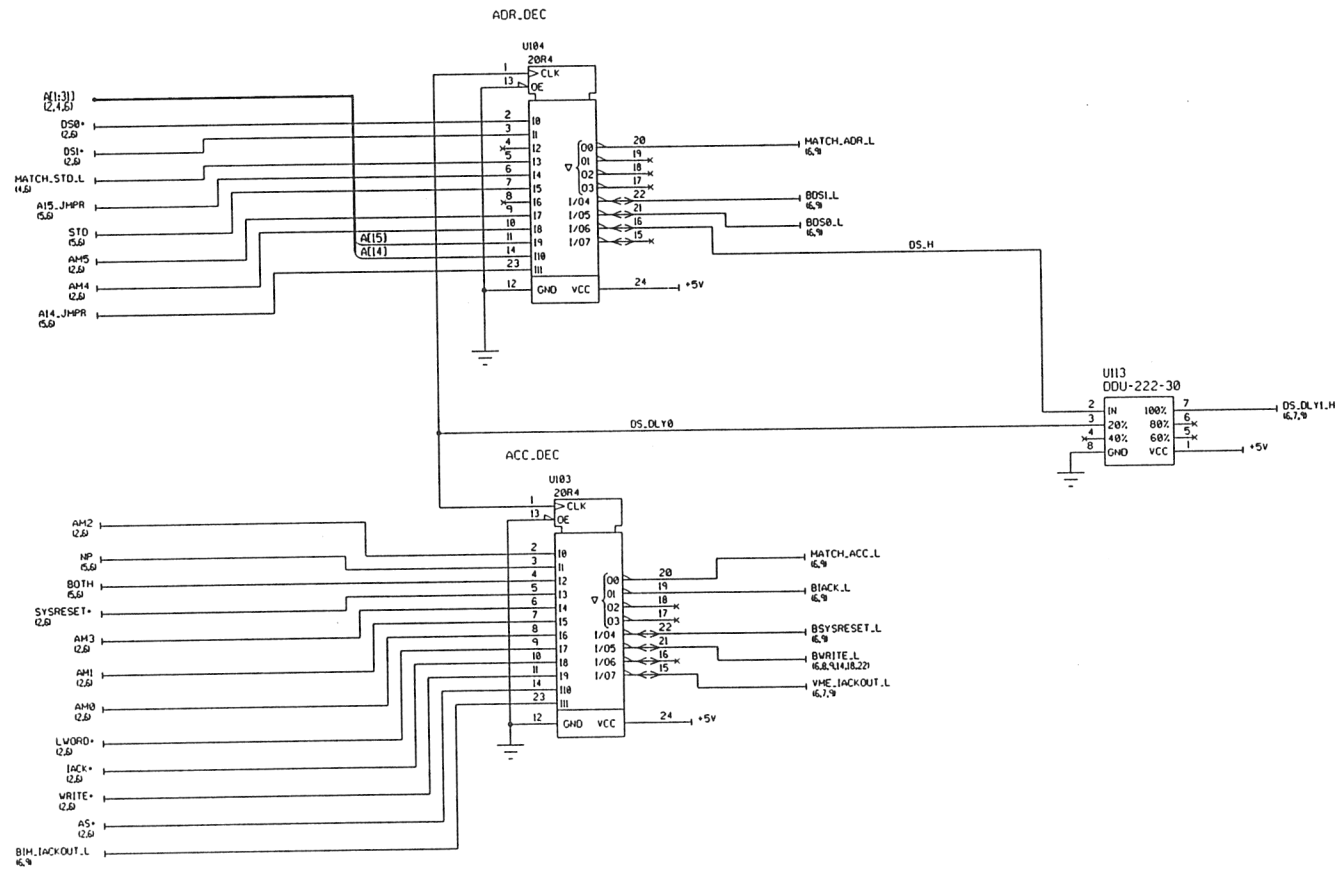
VMIC Huntsville, Alabama 35803-3308 VME Microsystems International Corporation		SIZE B	FORM NO. 08PH5	DWG NO. 141-001182-000
DESIGNED E.M. GREEN	CHECKED C. M. M...	DATE 8-12-94	SCALE NONE	SHEET 4



ADDRESS AND ACCESS MODE CONFIGURATION

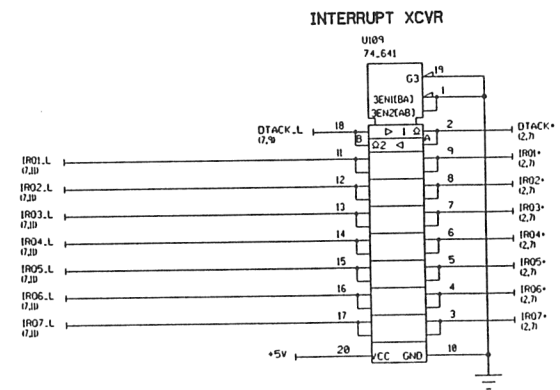
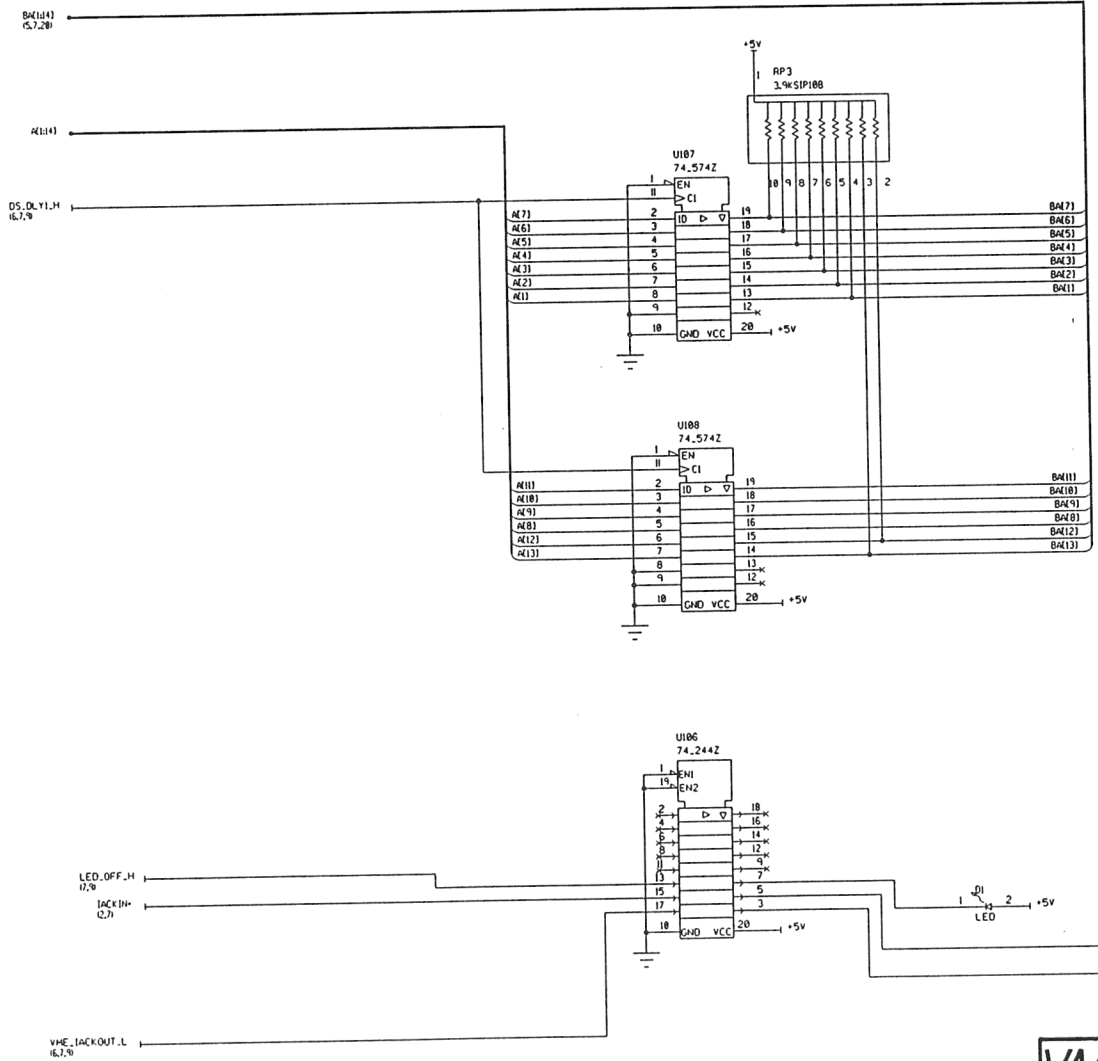
VMIC Huntsville, Alabama 35803-3308 VME Microsystems International Corporation		SIZE B	FORM NO. 0BPH5	DWG NO. 141-001182-000
DESIGNED E.M. GREEN	CHECKED C. M. M...	DATE 8-12-94	SCALE NONE	SHEET 5

ADDRESS DECODE

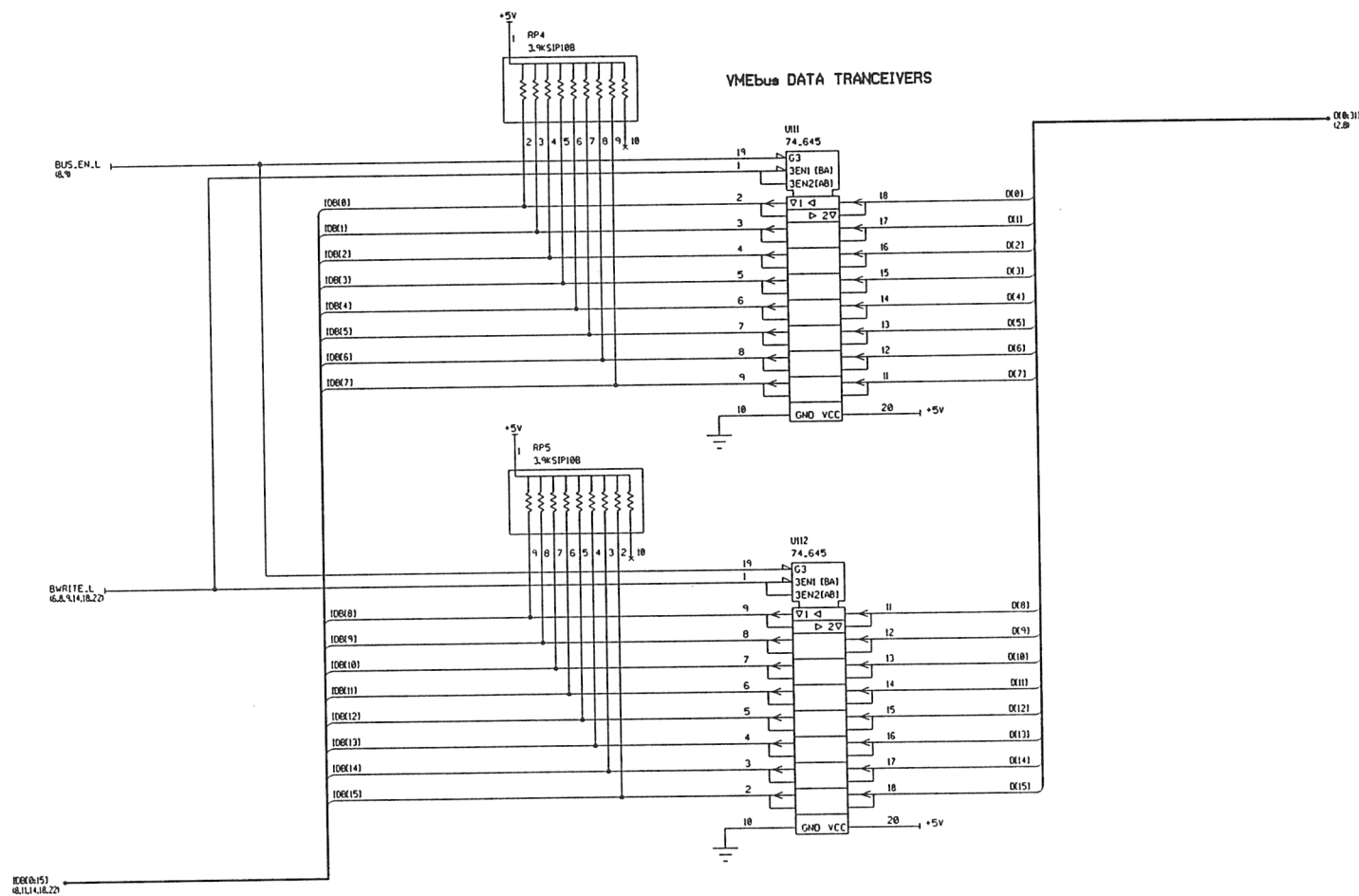


ACCESS DECODE

VMIC Huntsville, Alabama 35803-3308 VME Microsystems International Corporation		SIZE B	FORM NO. 08PH5	DWG NO. 141-001182-000
DESIGNED E.M. GREEN	CHECKED C. Muzzey	SCALE NONE	SHEET 6	
DATE 8-12-94				

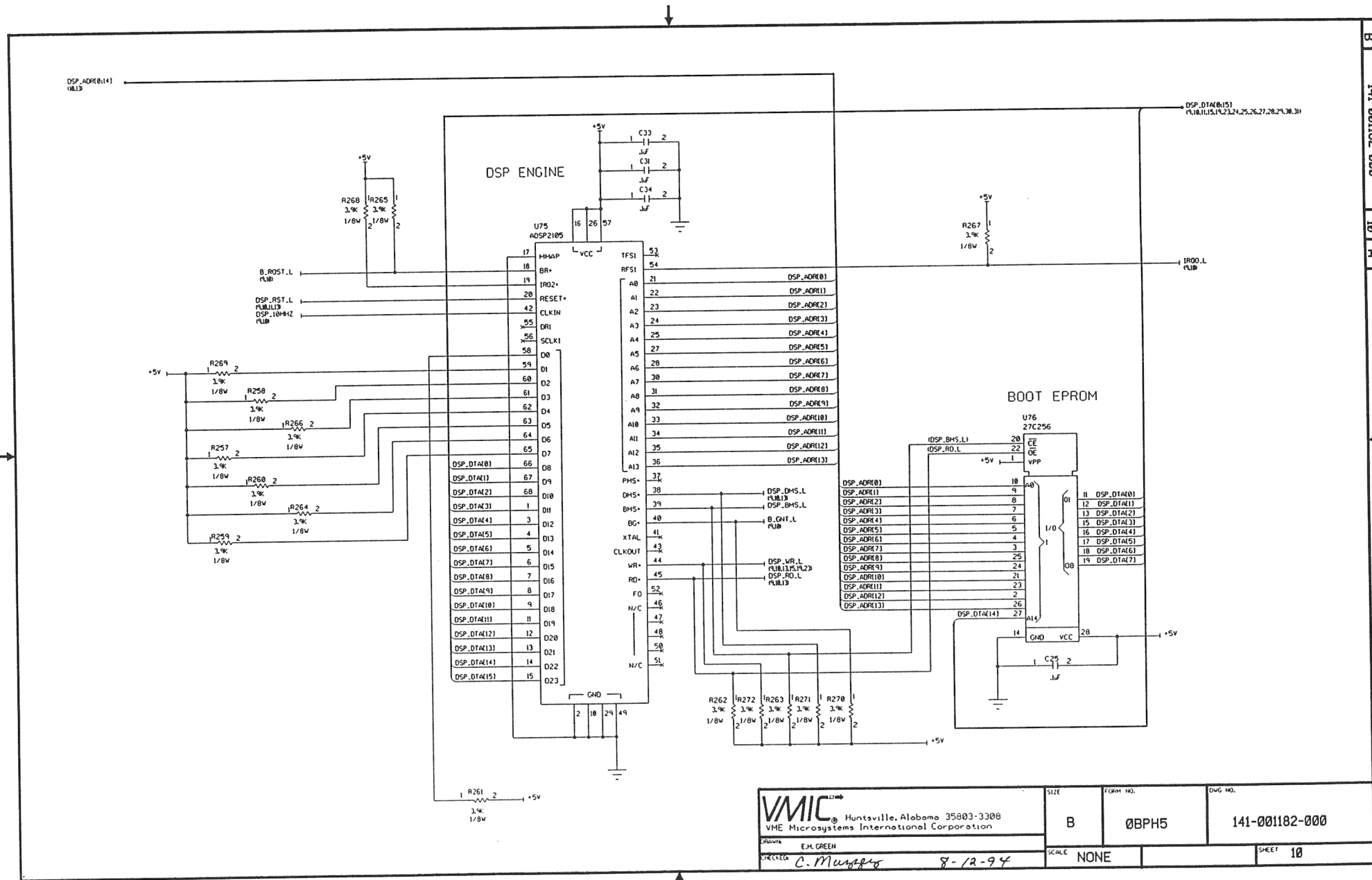


 Huntsville, Alabama 35803-3308 VME Microsystems International Corporation		SIZE B	FORM NO. 0BPH5	DWG NO. 141-001182-000
DRAWN E.M. GREEN		SCALE NONE		SHEET 7
CHECKED <i>C.M. Aggar</i>		8-12-94		

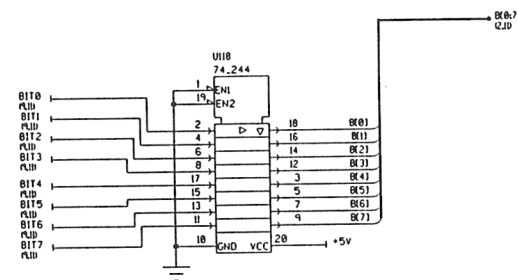
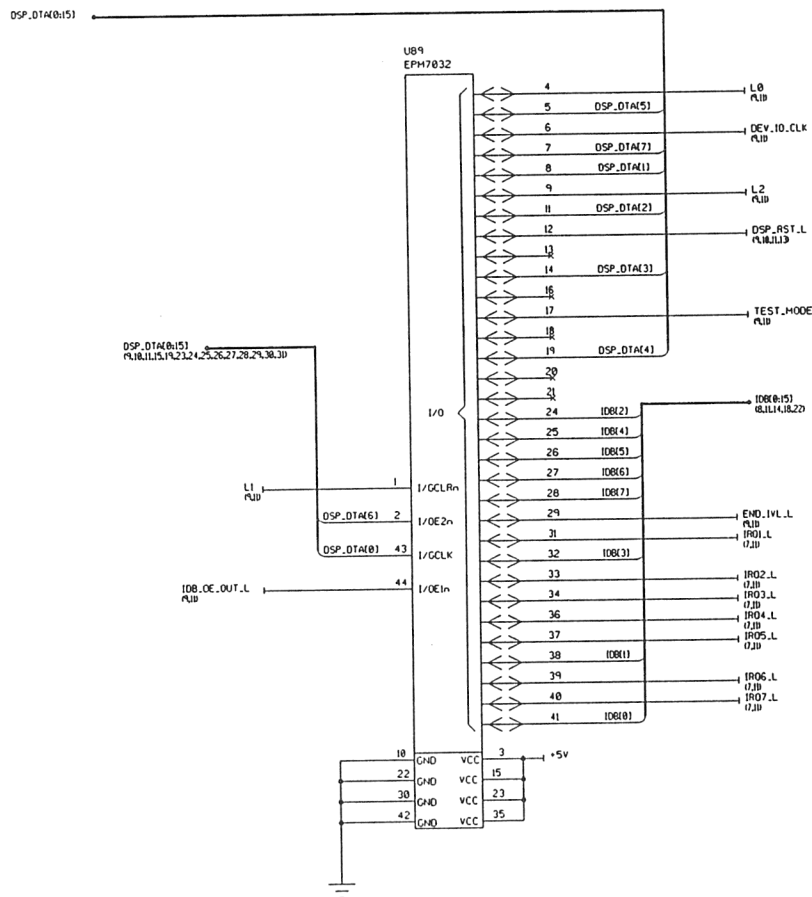


VMIC Huntsville, Alabama 35803-3308 VME Microsystems International Corporation		SIZE B	FORM NO. 0BPH5	DWG NO. 141-001182-000
DRAWN E.M. GREEN	CHECKED C.M. WYATT	SCALE NONE	SHEET 8	DATE 8-12-94



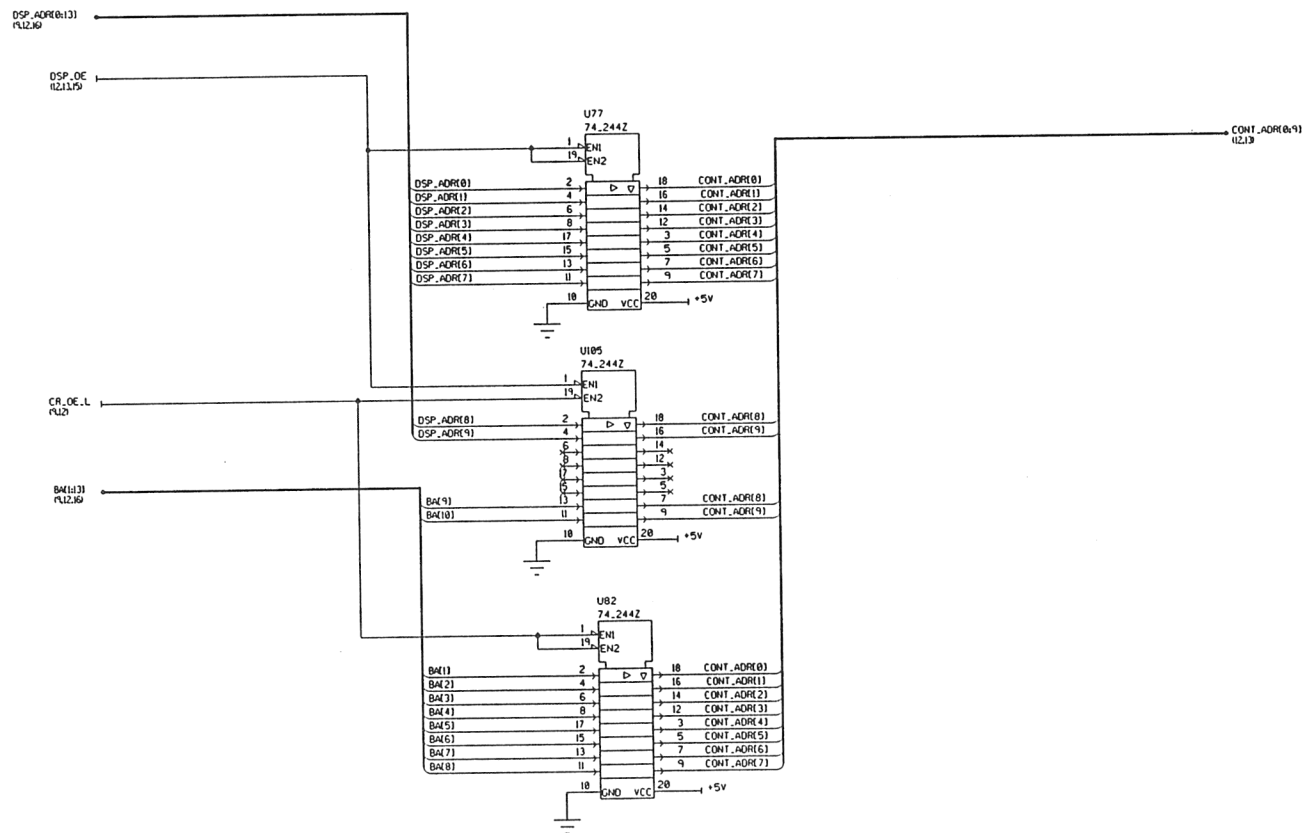


VMIC Huntsville, Alabama 35803-3308 VME Microsystems International Corporation		SIZE B	FORM NO. 08PH5	DWG NO. 141-001182-000
DESIGNED BY E.M. GREEN		SCALE NONE		SHEET 10
CHECKED BY C. Murphy		DATE 8-12-94		



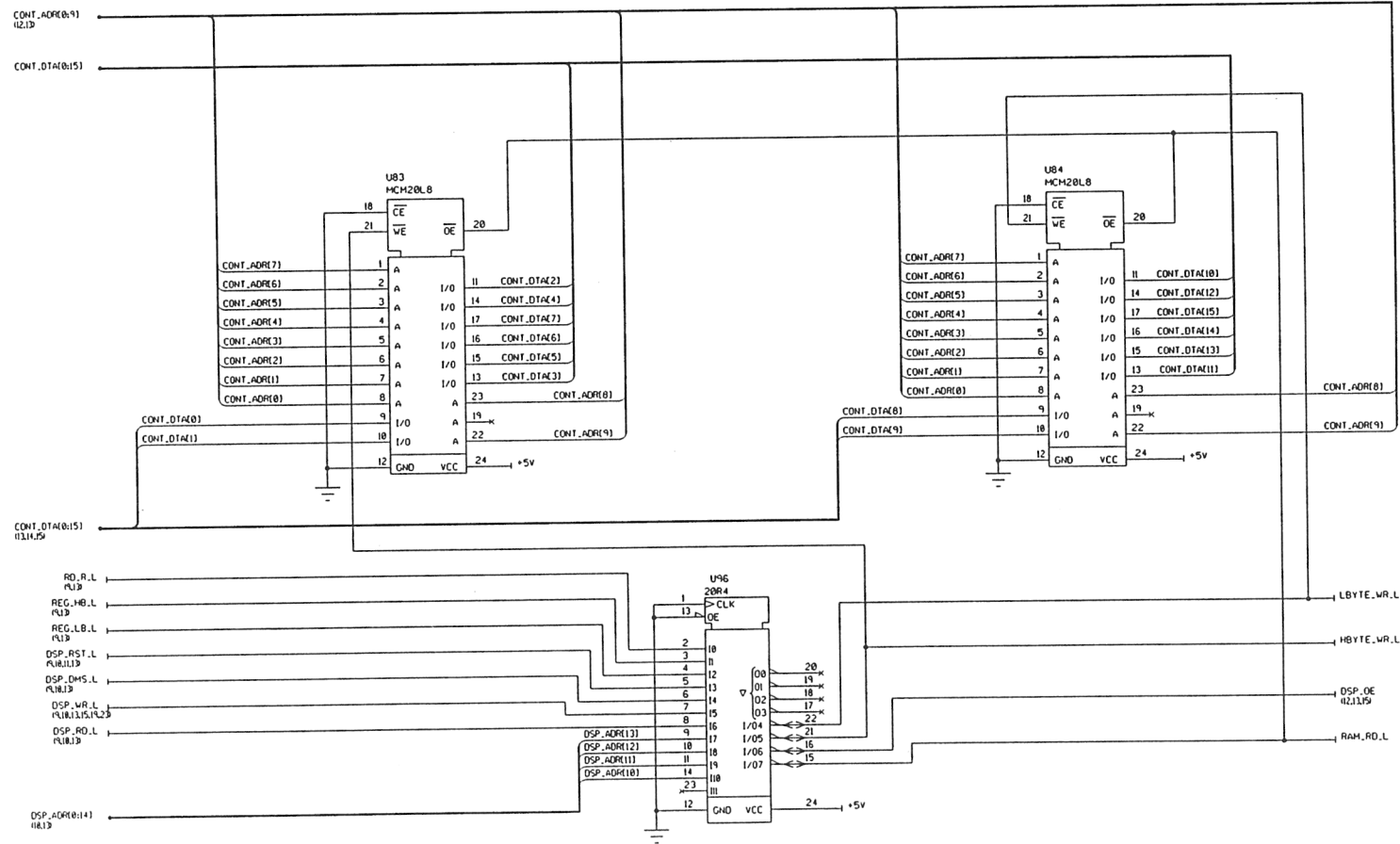
BUILT-IN TEST

VMIC Huntsville, Alabama 35803-3308 VME Microsystems International Corporation		SIZE B	FORM NO. 08PH5	DWG NO. 141-001182-000
DRAWN E.M. GREEN		SCALE NONE		SHEET 11
CHECKED C. M. ... 8-12-94				



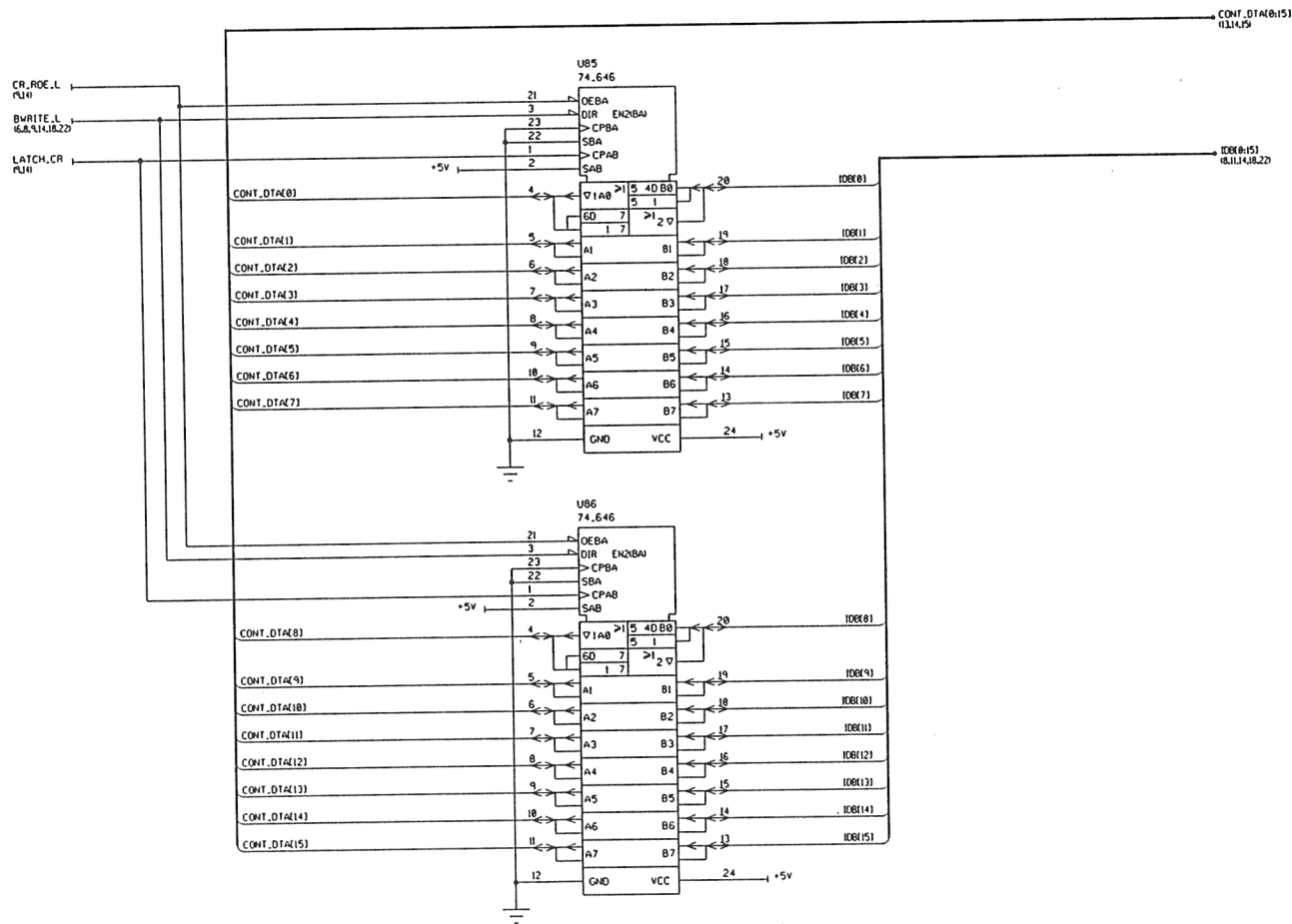
CONTROL ADDRESS BUFFERS

VMIC Huntsville, Alabama 35803-3308 VME Microsystems International Corporation		SIZE B	FORM NO. 08PH5	DWG NO. 141-001182-000
DESIGNED BY E.M. GREEN	CHECKED BY C. M. Muzzey	DATE 8-12-94	SCALE NONE	SHEET 12



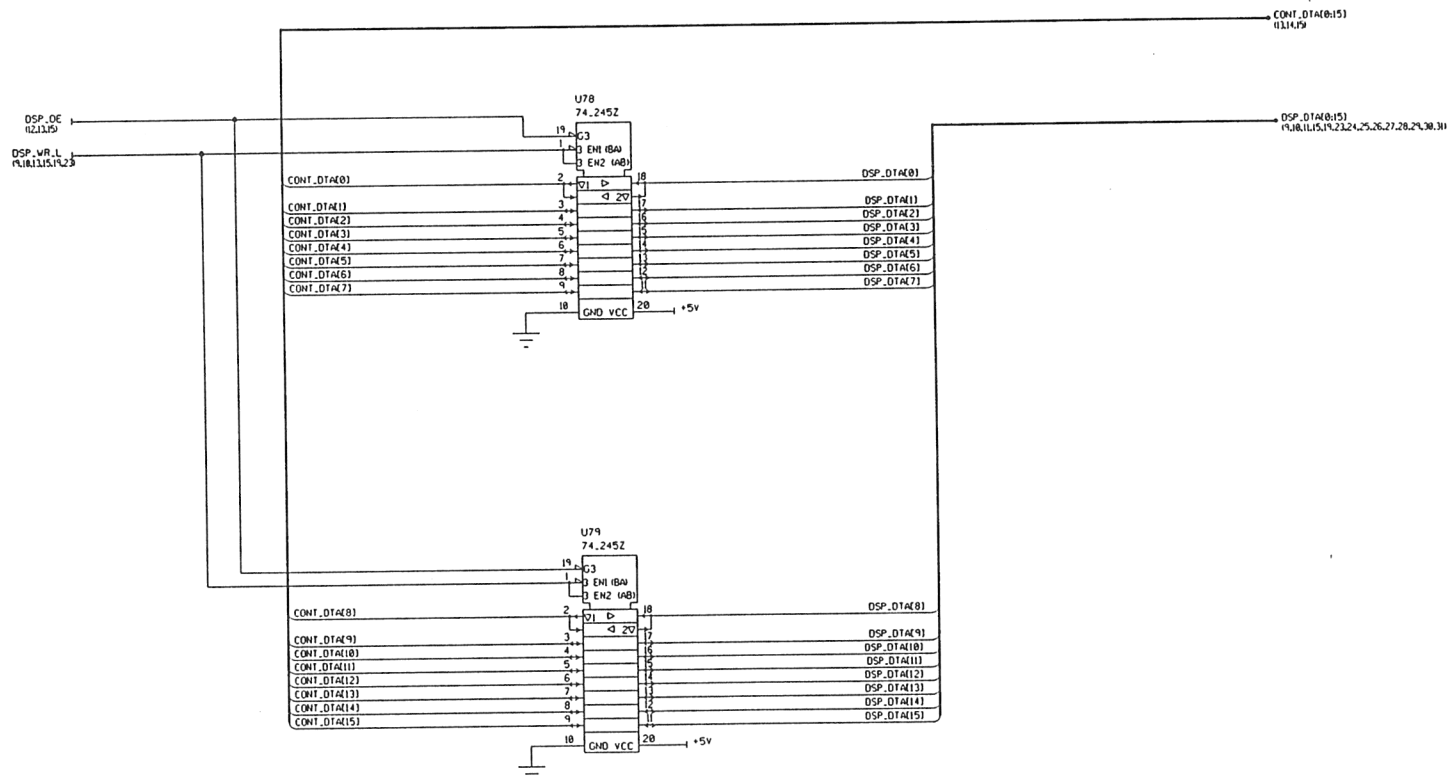
CONTROL RAM

VMIC Huntsville, Alabama 35803-3308 VME Microsystems International Corporation		SIZE B	FORM NO. 08PH5	DWG NO. 141-001182-000
DRAWN E.M. GREEN		SCALE NONE		SHEET 13
CHECKED C. M. M... 8-12-94				



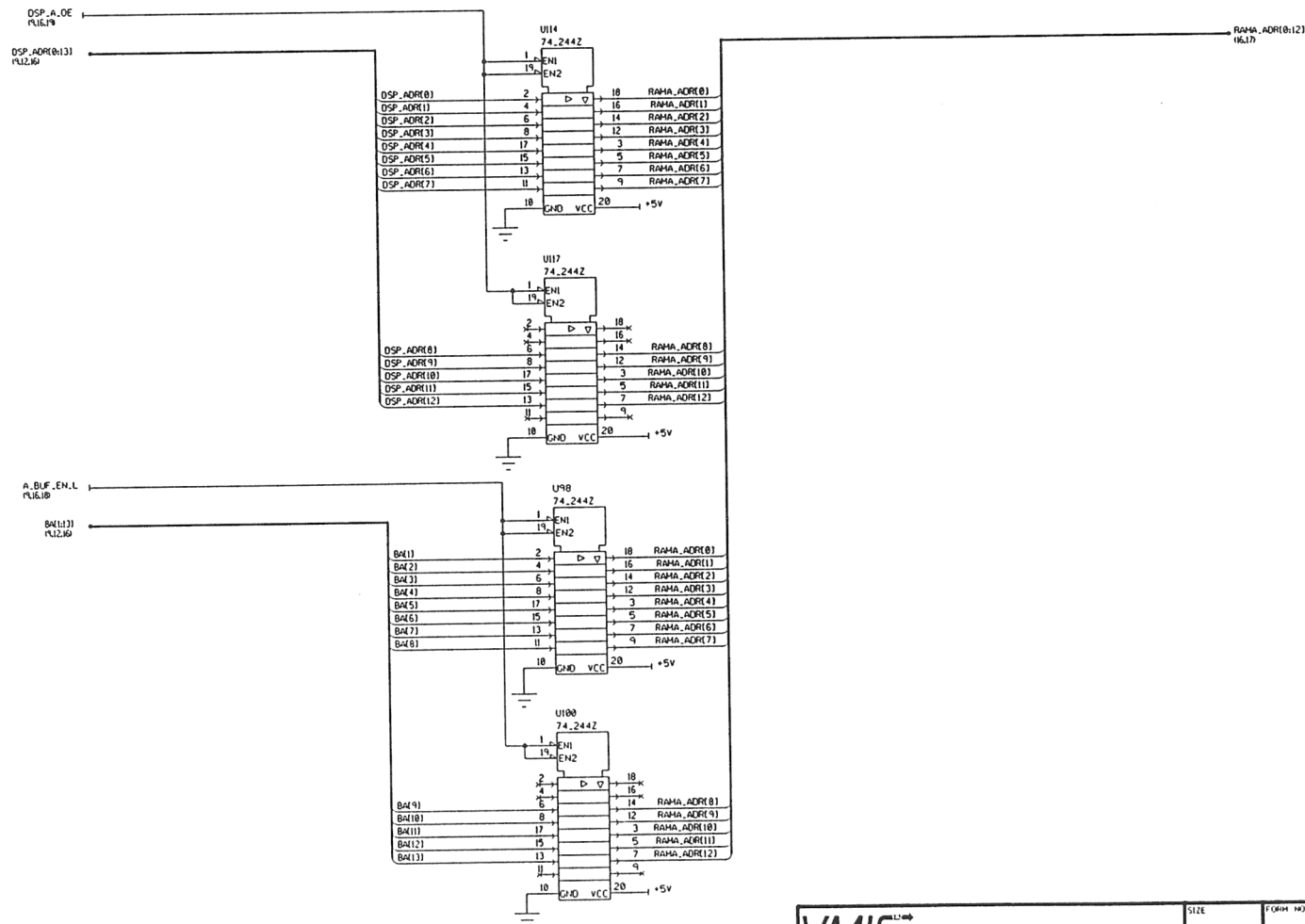
VME/CONTROL DATA BUFFERS

VMIC Huntsville, Alabama 35803-3308 VME Microsystems International Corporation		SIZE B	FORM NO. 0BPH5	DWG NO. 141-001182-000
DESIGNER E.M. GREEN	CHECKED C. Murphy	DATE 8-12-94	SCALE NONE	SHEET 14



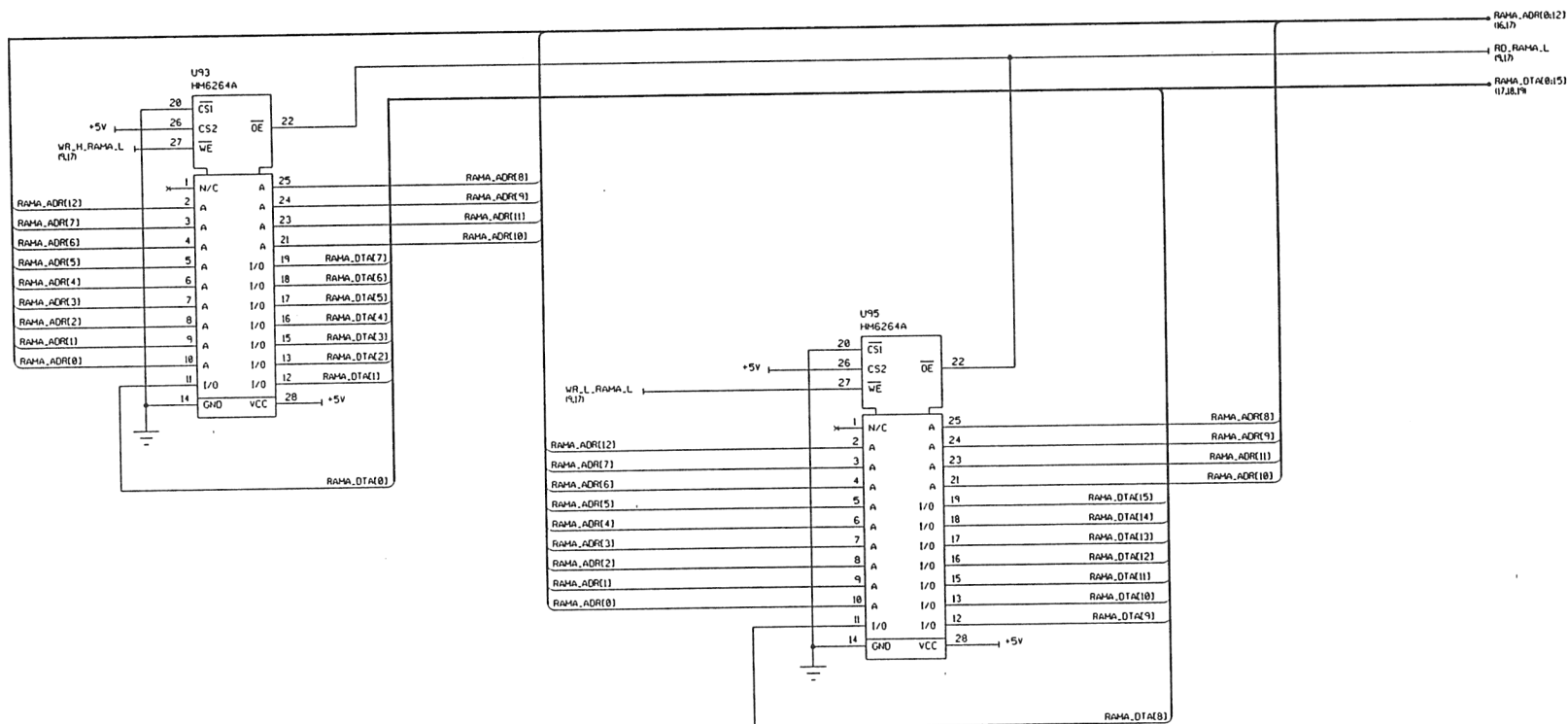
DSP/CONTROL DATA BUFFERS

VMIC Huntsville, Alabama 35803-3308 VME Microsystems International Corporation		SIZE B	F.O.B. NO. 0BPH5	DWG. NO. 141-001182-000
DESIGNED BY E.M. GREEN	CHECKED BY C. Murrer	DATE 8-12-94	SCALE NONE	SHEET 15



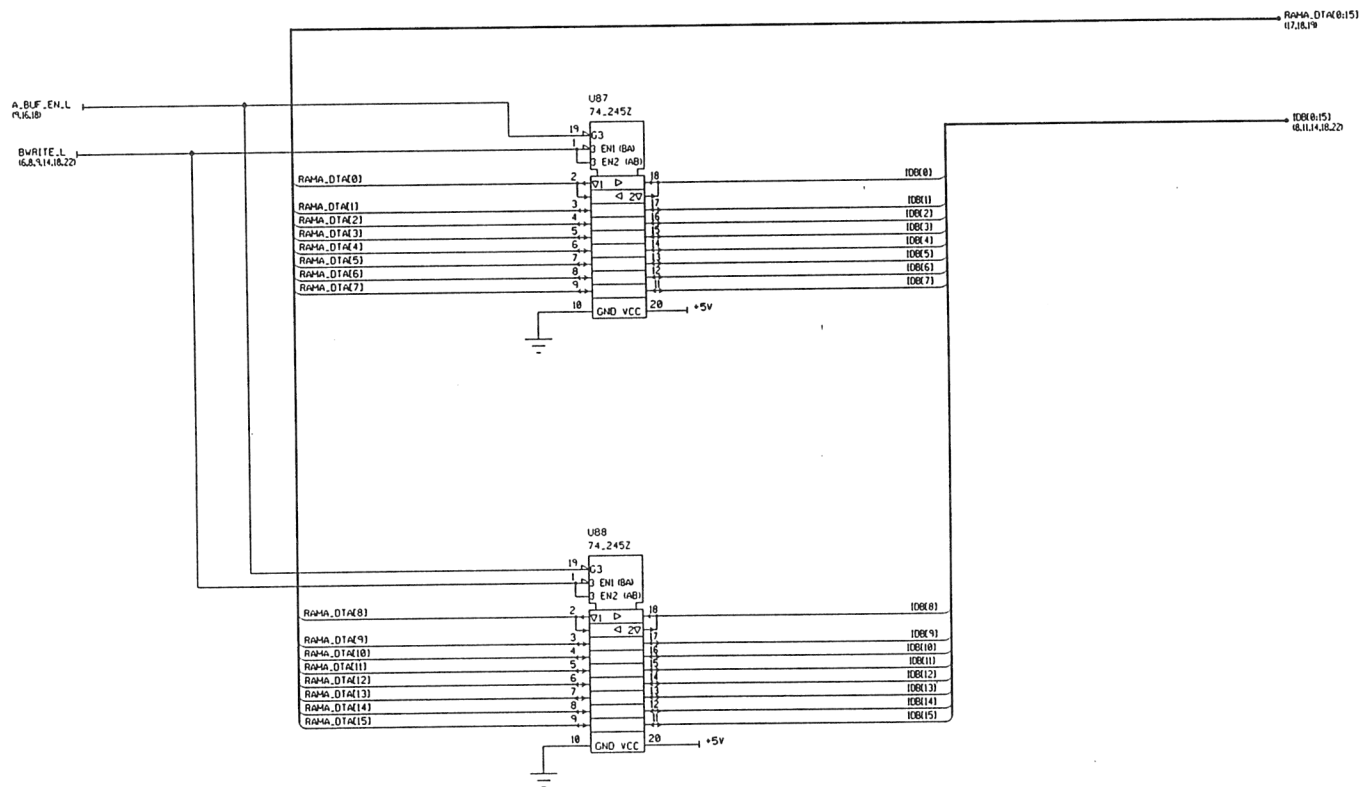
SOE A ADDRESS BUFFERS

VMIC Huntsville, Alabama 35803-3308 VME Microsystems International Corporation		SIZE B	FORM NO. 08PH5	DWG NO. 141-001182-000
DESIGNED E.H. GREEN		SCALE NONE		SHEET 16
CHECKED C. Muszys		DATE 8-12-94		



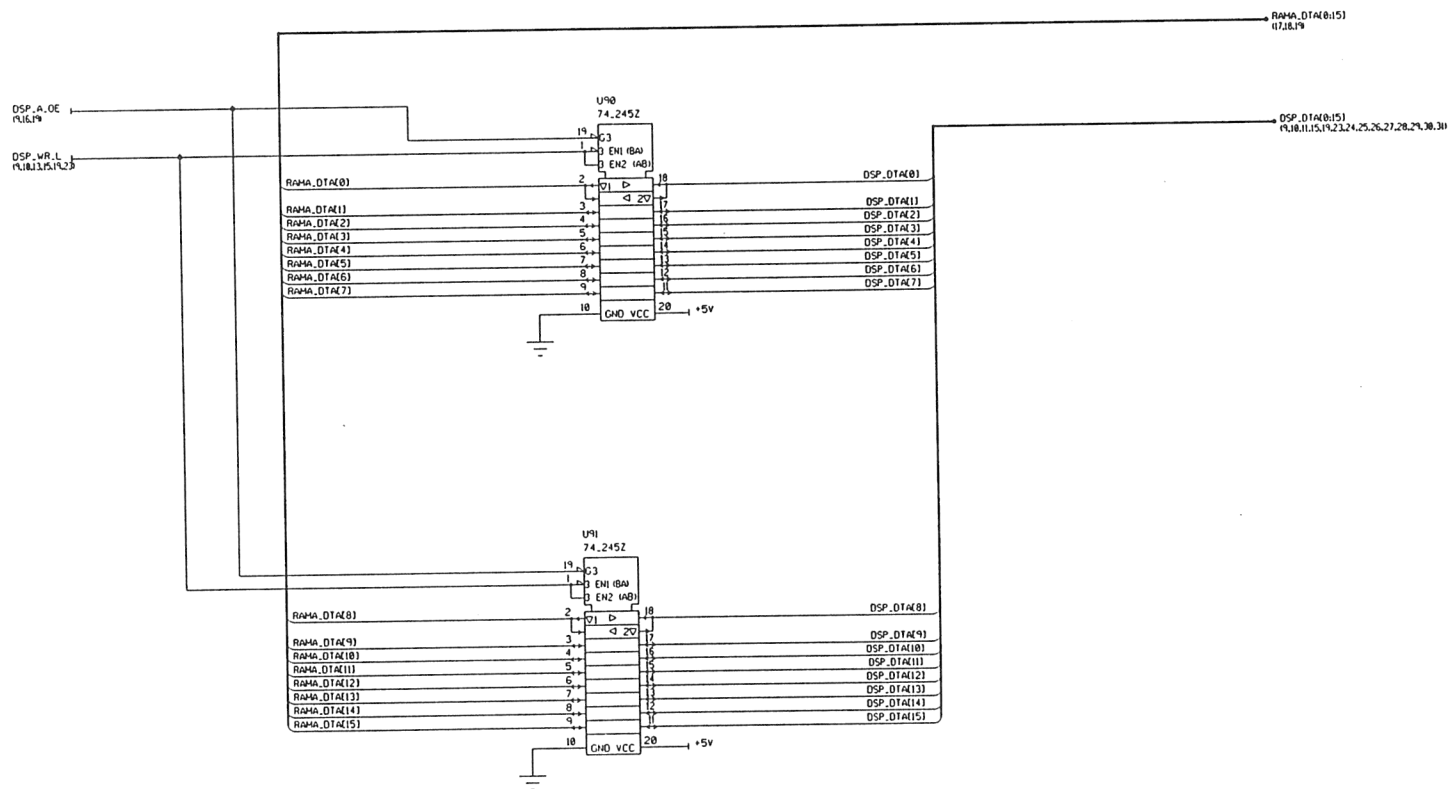
SOE BUFFER A

VMIC Huntsville, Alabama 35803-3308 VME Microsystems International Corporation		SIZE B	FORM NO. 08PH5	DWG NO. 141-001182-000
DESIGNED E.M. GREEN	CHECKED C. MURPHY	DATE 8-12-94	SCALE NONE	SHEET 17



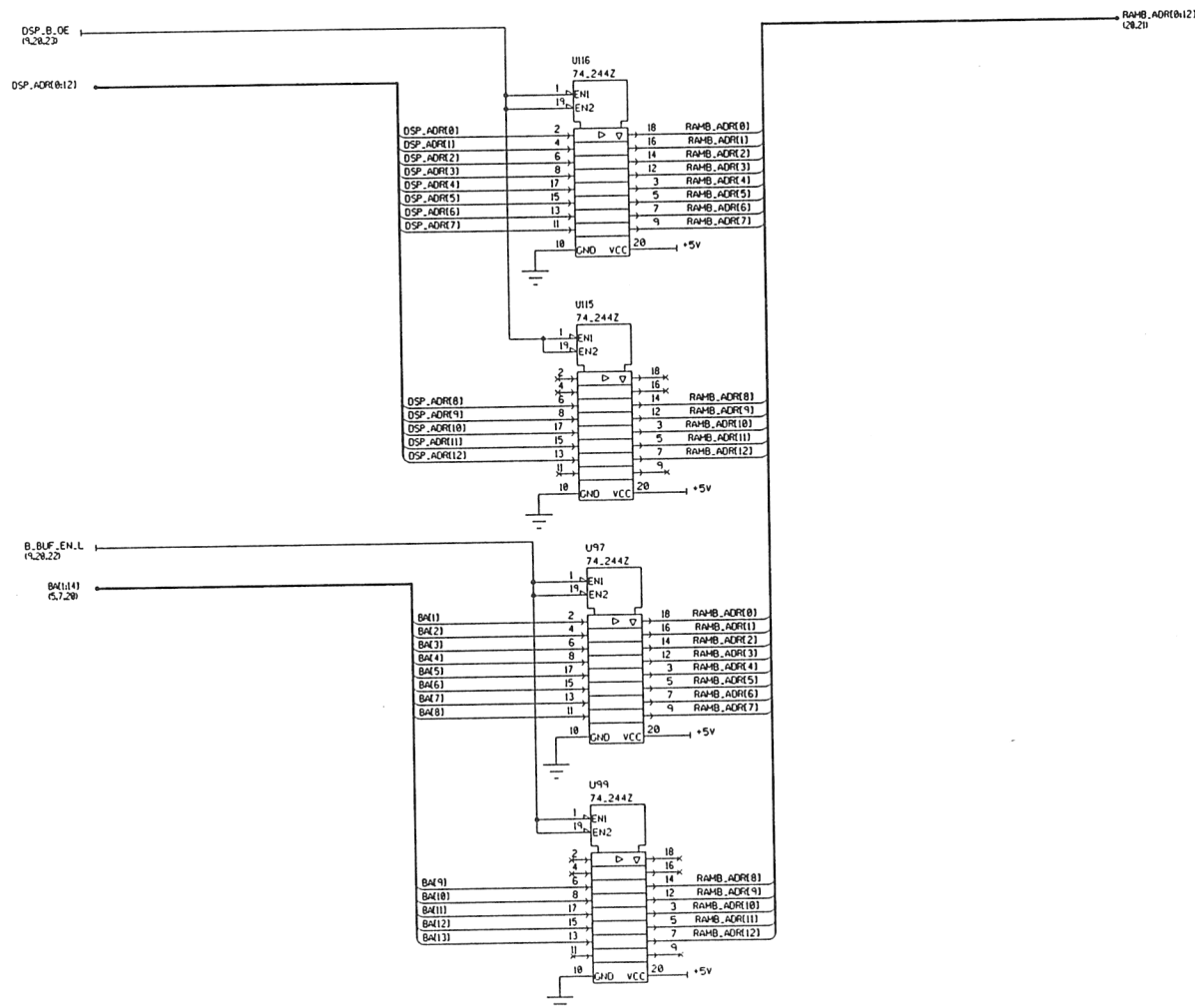
BUFFER A/VME DATA BUFFERS

VMIC Huntsville, Alabama 35803-3308 VME Microsystems International Corporation		SIZE B	FORM NO. 0BPH5	DWG NO. 141-001182-000
DESIGNER E.M. GREEN	CHECKED C. M. M...	SCALE NONE	SHEET 18	
DATE 8-12-94				



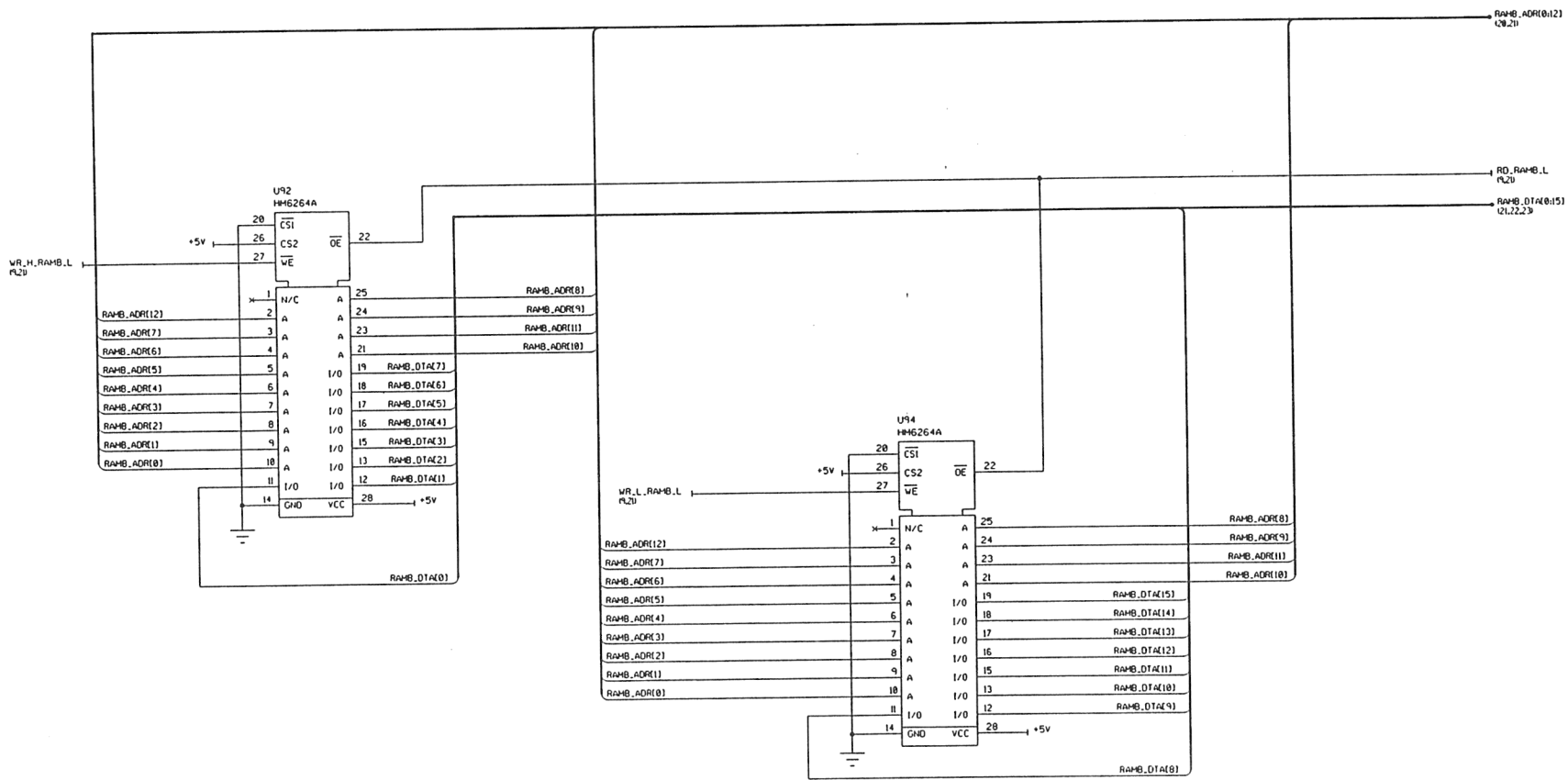
DSP/BUFFER A DATA BUFFERS

VMIC Huntsville, Alabama 35803-3308 VME Microsystems International Corporation		SIZE B	FORM NO. 00BPH5	DWG NO. 141-001182-000
DRAWN E.M. GREEN	CHECKED C. Murphy	SCALE NONE	SHEET 19	DATE 8-12-94



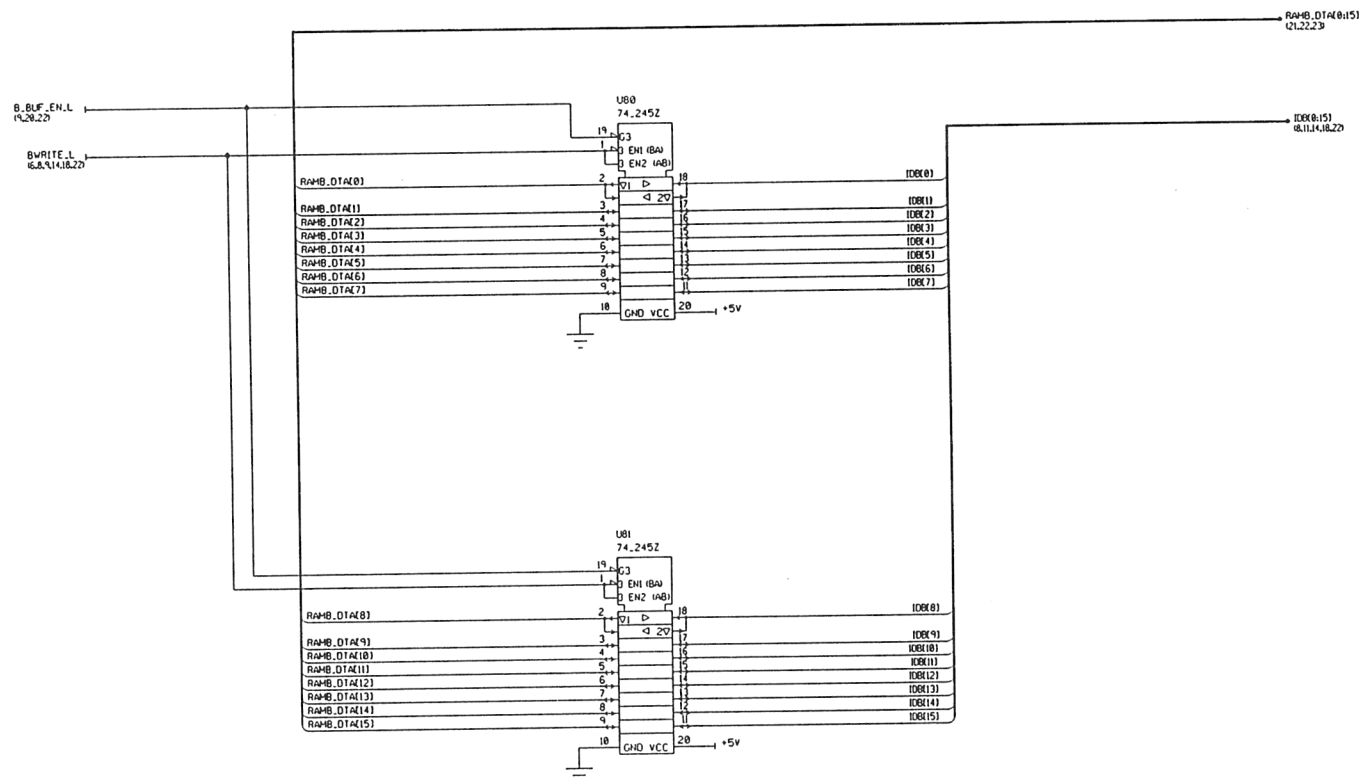
SOE B ADDRESS BUFFERS

VMIC Huntsville, Alabama 35803-3308 VME Microsystems International Corporation		SIZE B	FORM NO. 08PH5	DWG NO. 141-001182-000
DRAWN E.H. GREEN		SCALE NONE		SHEET 20
CHECKED C. Murphy		DATE 8-12-94		



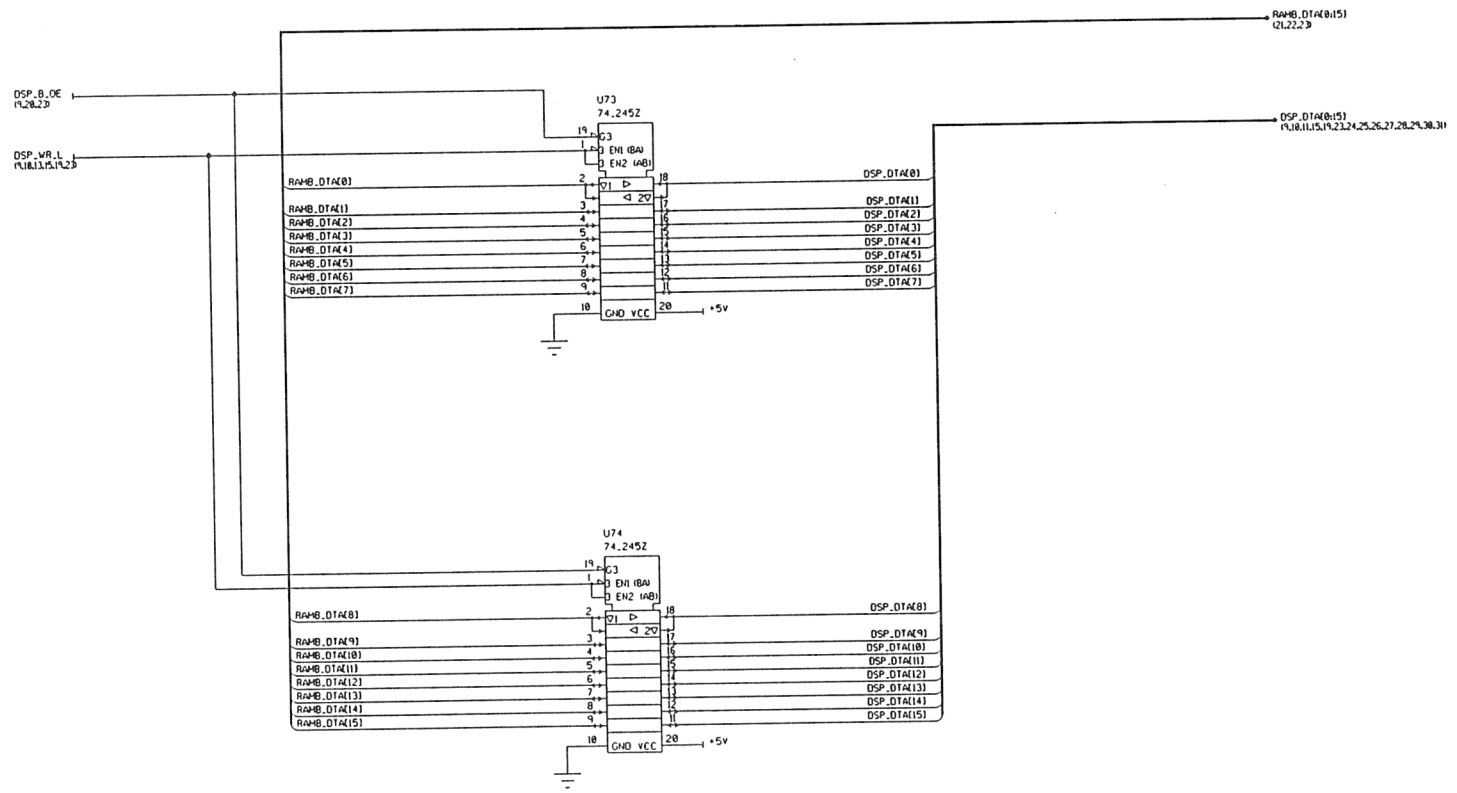
SOE BUFFER B

VMIC Huntsville, Alabama 35803-3308 VME Microsystems International Corporation		SIZE B	FORM NO. 08PH5	DWG NO. 141-001182-000
DRAWN E.M. GREEN	SCALE NONE	SHEET 21		DATE 8-12-94



BUFFER B/VME DATA BUFFERS

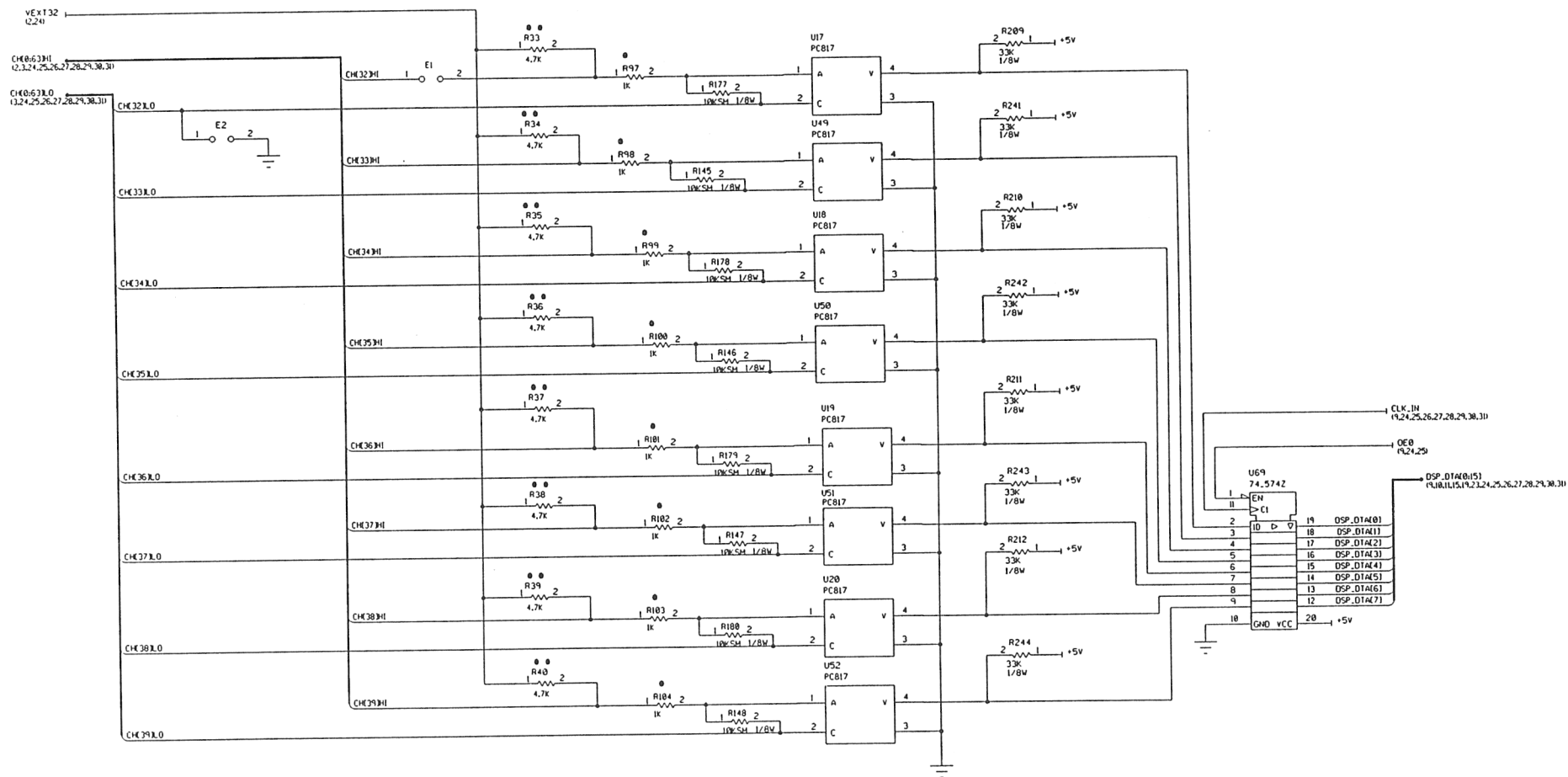
VMIC Huntsville, Alabama 35803-3308 VME Microsystems International Corporation		SIZE B	FORM NO. 08PH5	DWG NO. 141-001182-000
DESIGNED E.M. GREEN	CHECKED C. M. MURPHY	DATE 8-12-94	SCALE NONE	SHEET 22



DSP/BUFFER B DATA BUFFERS

VMIC Huntsville, Alabama 35803-3308 VME Microsystems International Corporation		SIZE B	FORM NO. 08PH5	DWG NO. 141-001182-000
DESIGNED E.M. GREEN	CHECKED C. M. [Signature]	SCALE NONE	SHEET 23	
DATE 8-12-94				

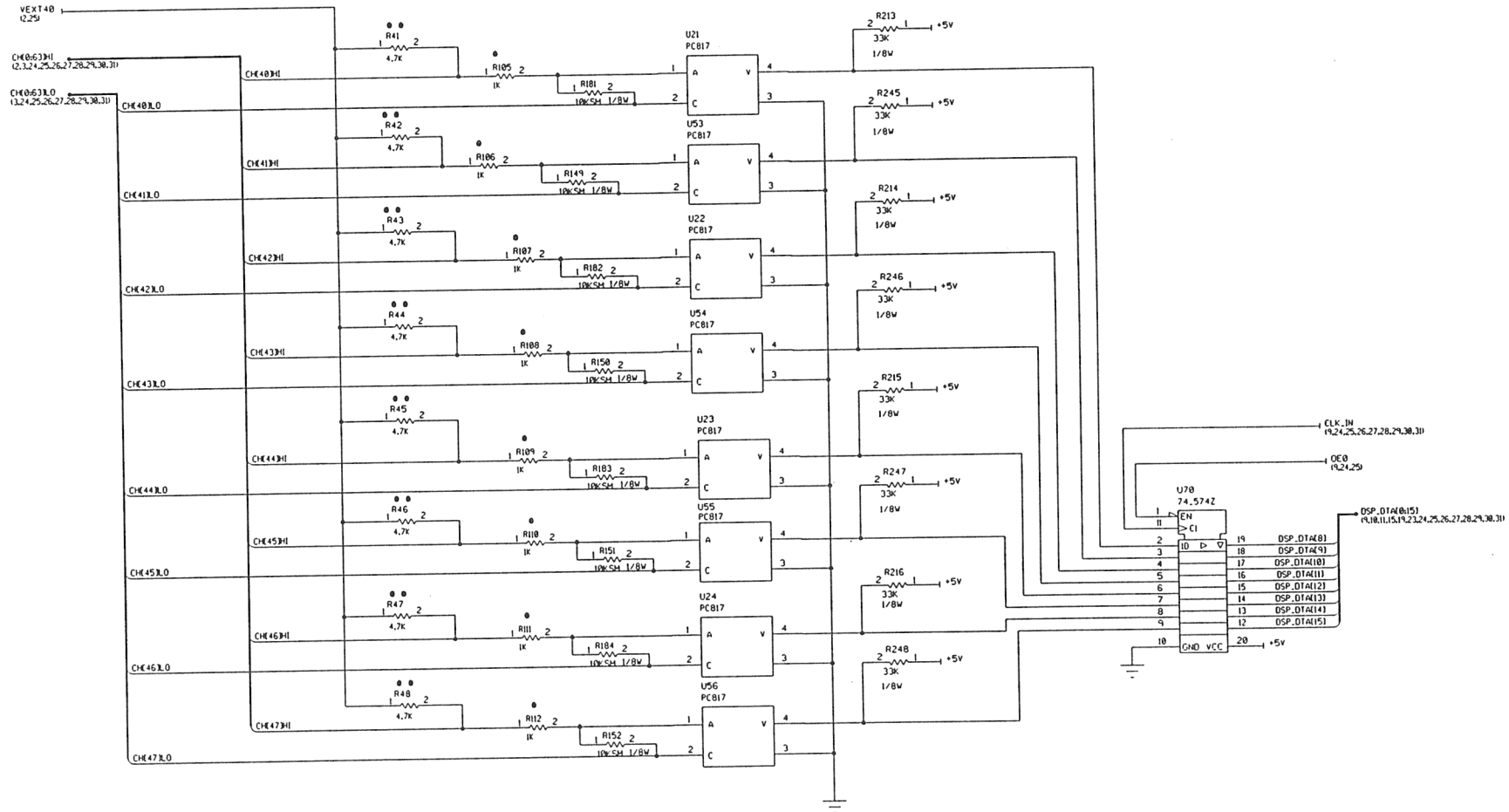
SHEET
 B
 141-001182-000
 23
 A



••DENOTES 1/2 WATT RESISTOR

•THESE PARTS ARE OPTIONAL,
SEE PARTS LIST FOR VALUE AND APPLICATION.

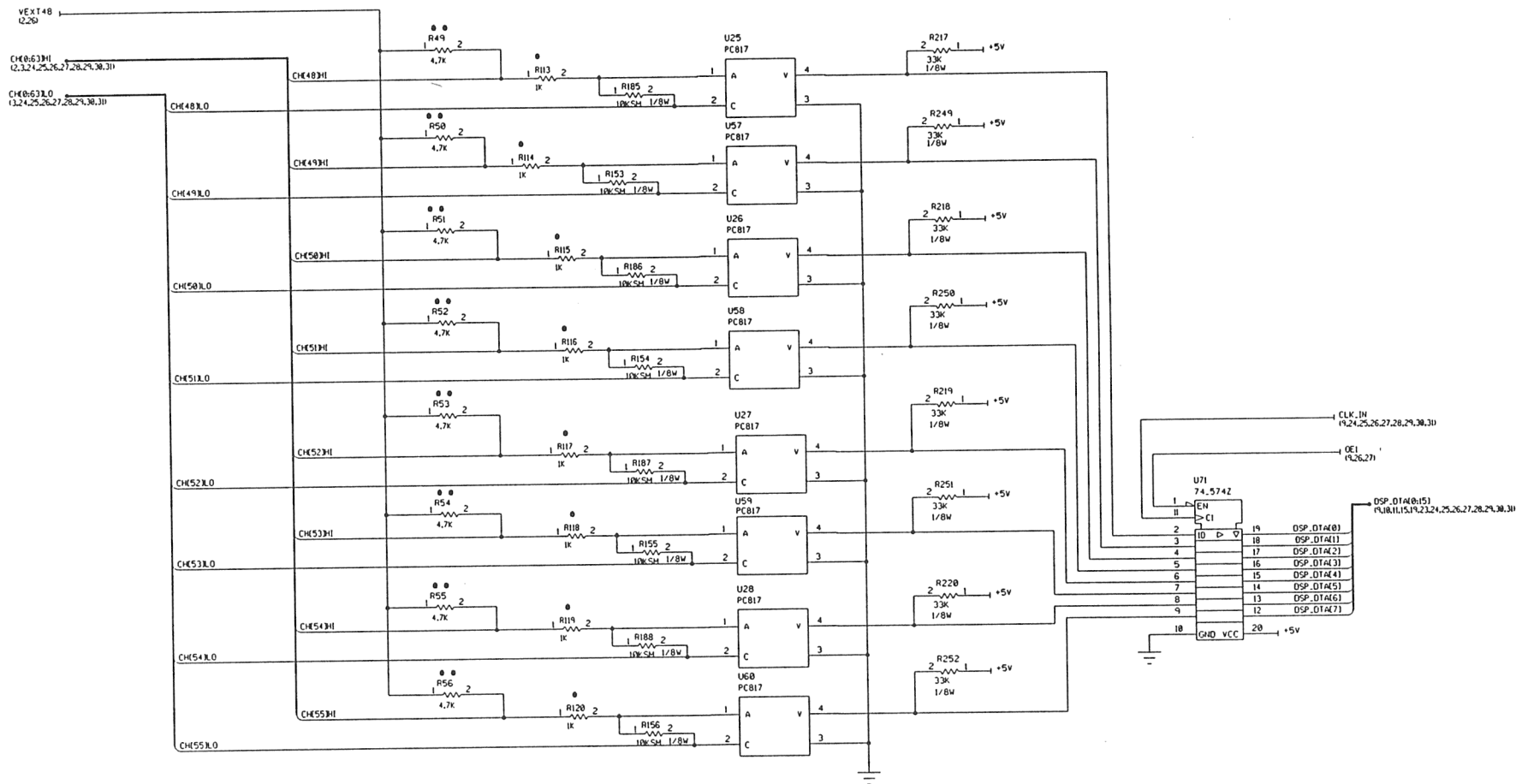
VMIC Huntsville, Alabama 35803-3308 VME Microsystems International Corporation		SIZE B	FORM NO. 08PH5	DRG NO. 141-001182-000
DESIGNED BY E.M. GREEN	CHECKED BY C. MURPHY	SCALE NONE	SHEET 24	DATE 8-12-94



••DENOTES 1/2 WATT RESISTOR

•THESE PARTS ARE OPTIONAL.
SEE PARTS LIST FOR VALUE AND APPLICATION.

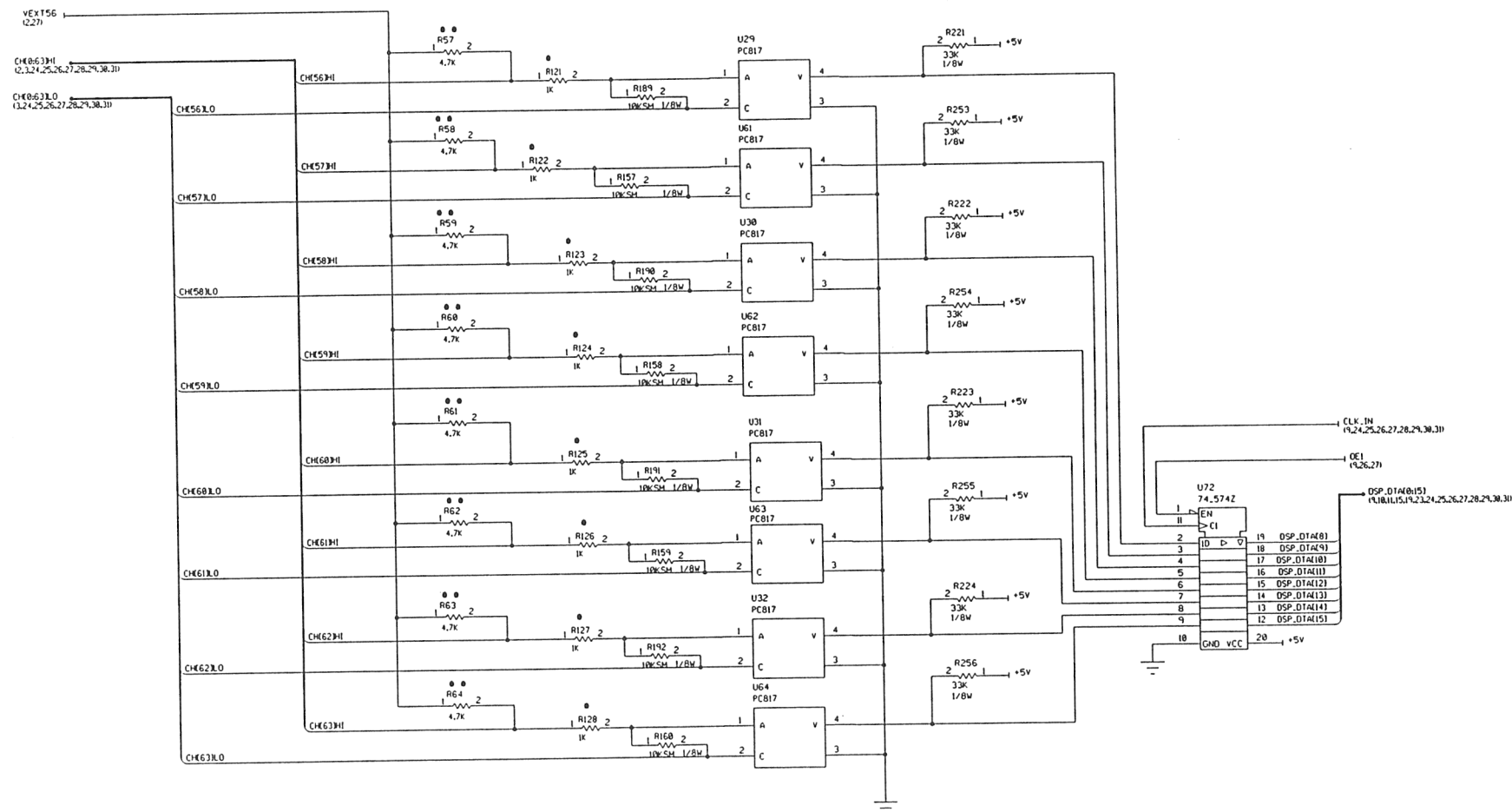
VMIC Huntsville, Alabama 35803-3308 VME Microsystems International Corporation		SIZE B	FORM NO. 08PH5	DWG NO. 141-001182-000
DESIGNED E.M. GREEN	CHECKED C. M. GREEN	DATE 8-12-94	SCALE NONE	SHEET 25



••DENOTES 1/2 WATT RESISTOR

•THESE PARTS ARE OPTIONAL,
SEE PARTS LIST FOR VALUE AND APPLICATION.

VMIC Huntsville, Alabama 35803-3308 VME Microsystems International Corporation		SIZE B	FORM NO. 08PH5	DWG NO. 141-001182-000
DESIGNED E.M. GREEN	CHECKED C. Murphy	DATE 8-12-94	SCALE NONE	SHEET 26



••DENOTES 1/2 WATT RESISTOR

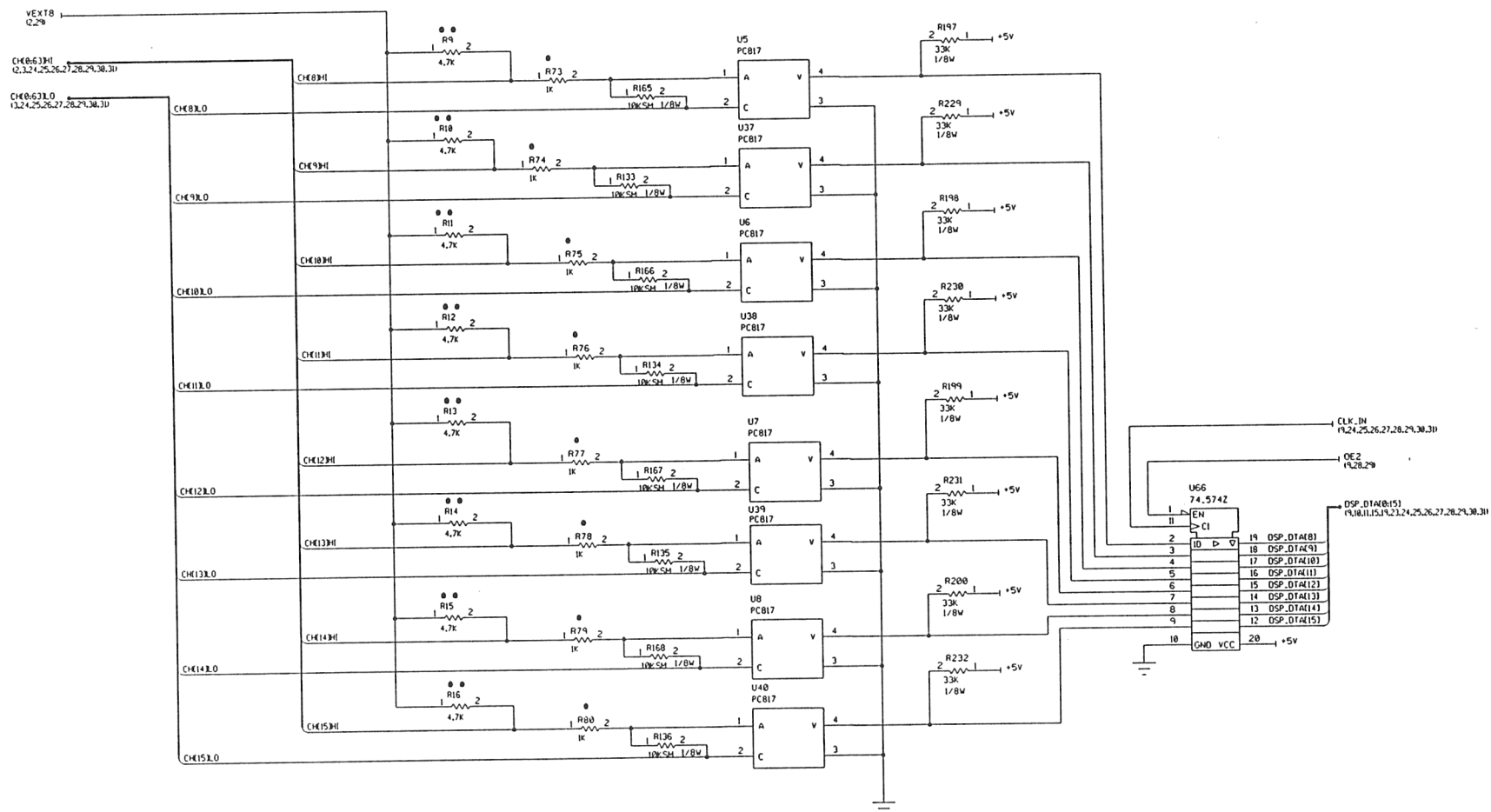
•THESE PARTS ARE OPTIONAL.
SEE PARTS LIST FOR VALUE AND APPLICATION.

VMIC Huntsville, Alabama 35803-3308 VME Microsystems International Corporation		SIZE B	FORM NO. 08PH5	DWG NO. 141-001182-000
DRAWN E.M. GREEN	CHECKED C. Murphy	DATE 8-12-94	SCALE NONE	SHEET 27

•THESE PARTS ARE OPTIONAL,
SEE PARTS LIST FOR VALUE AND APPLICATION.

WRITER	E.M. GREEN	
CHECKED	C. Murrey	8-12-9

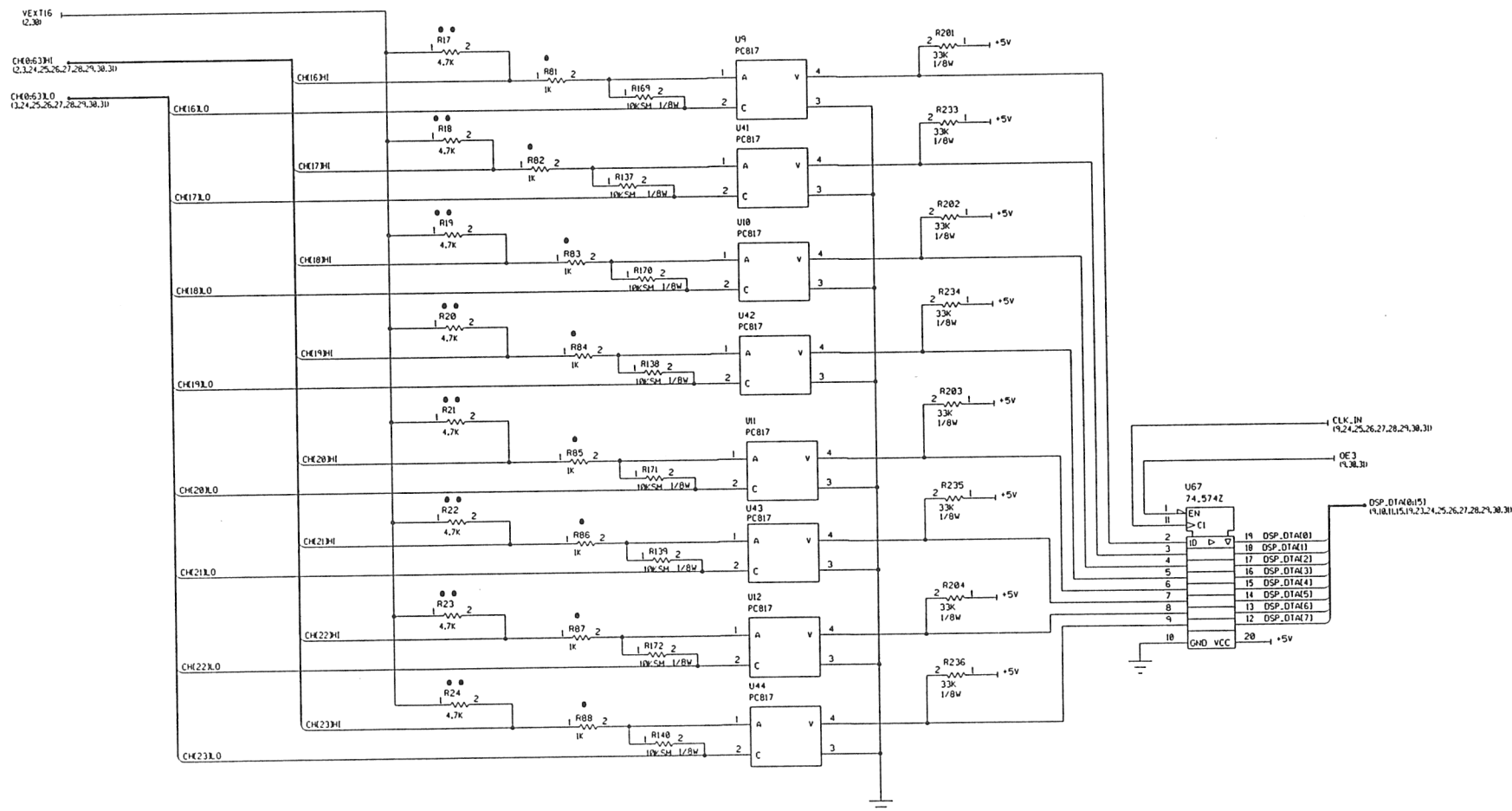
SIZE	FORM NO.	DWG. NO.
B	0BPH5	141-001182-000
SCALE	NONE	SHEET 28



••DENOTES 1/2 WATT RESISTOR

•THESE PARTS ARE OPTIONAL,
SEE PARTS LIST FOR VALUE AND APPLICATION.

VMIC Huntsville, Alabama 35803-3308 VME Microsystems International Corporation		SIZE B	FORM NO. 00BPH5	Dwg NO. 141-001182-000
DRAWN E.M. GREEN	CHECKED C. M. MURPHY	SCALE NONE	SHEET 29	DATE 8-12-94



••DENOTES 1/2 WATT RESISTOR

•THESE PARTS ARE OPTIONAL,
SEE PARTS LIST FOR VALUE AND APPLICATION.

VMIC Huntsville, Alabama 35803-3308 VME Microsystems International Corporation		SIZE B	FORM NO. 08PH5	DWG. NO. 141-001182-000
DESIGNED E.M. GREEN	CHECKED C. Murphy	SCALE NONE	SHEET 30	DATE 8-12-94

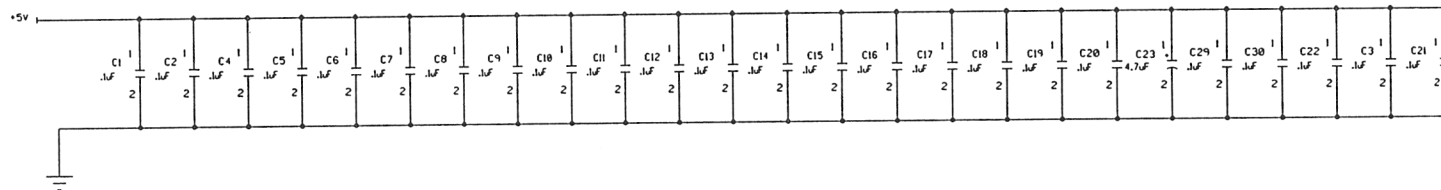
•THESE PARTS ARE OPTIONAL.
SEE PARTS LIST FOR VALUE AND APPLICATION.

VMIC INCORPORATED
Huntsville, Alabama 35803-3308
VME Microsystems International Corporation

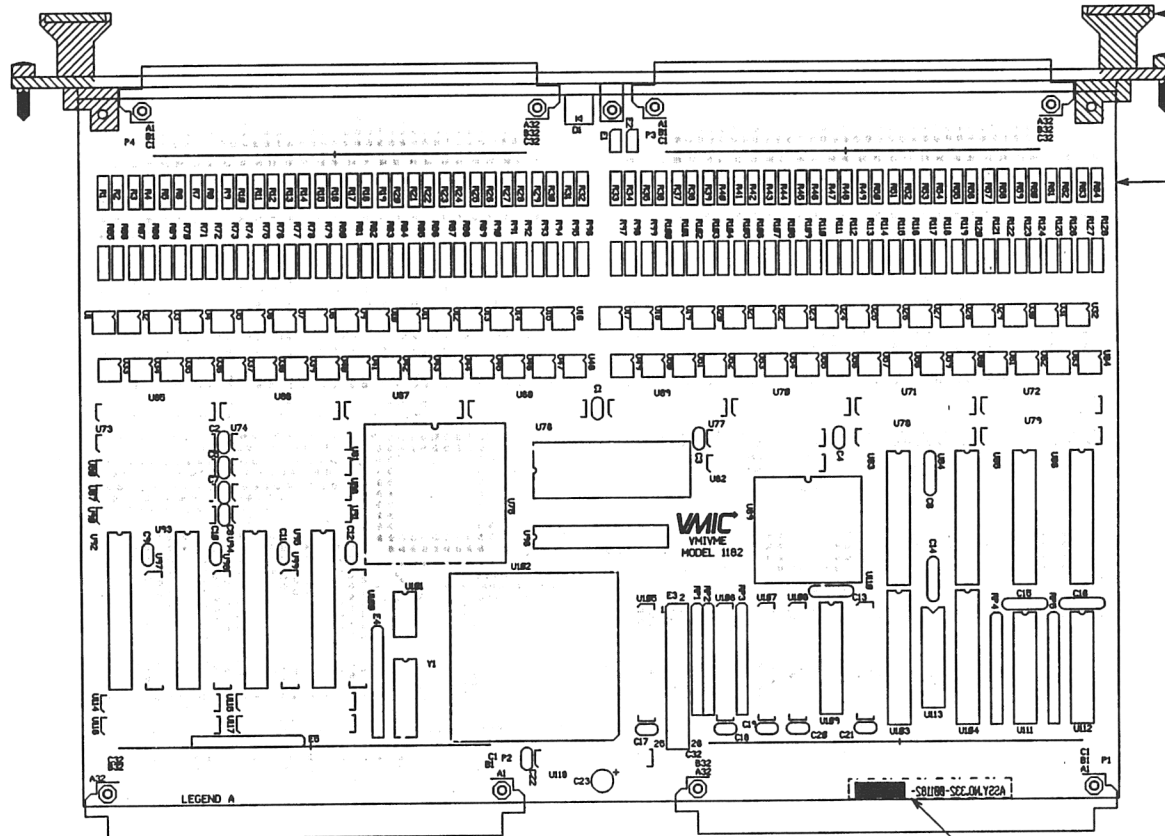
NAME: E.M. GREEN

CHECKED: C. Muehler 8-12-94

SIZE	FORM NO.	DWG NO.
B	06PH5	141-001182-000
SCALE	NONE	SHEET 31



VMIC Huntsville, Alabama 35803-3308 VME Microsystems International Corporation		SIZE B	FORM NO. 08PH5	DWG NO. 141-001182-000
DESIGNED E.M. GREEN		SCALE NONE		SHEET 32 OF 32
CHECKED C. M. M. 8-12-94				

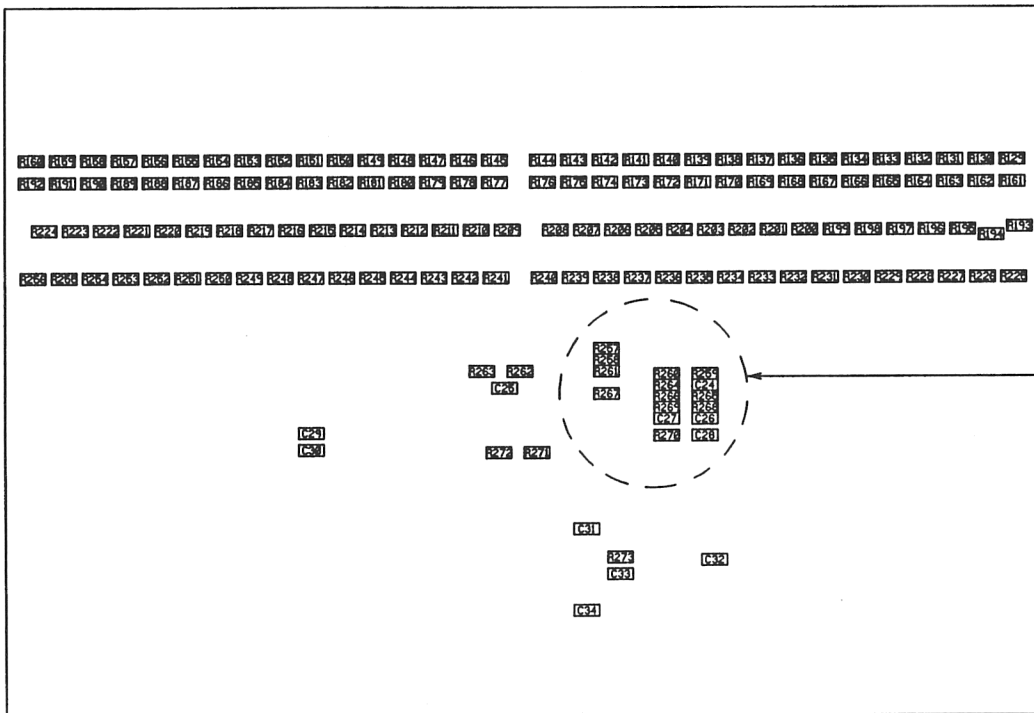


ASSY.NO.332-001182-

DETAIL 'A'

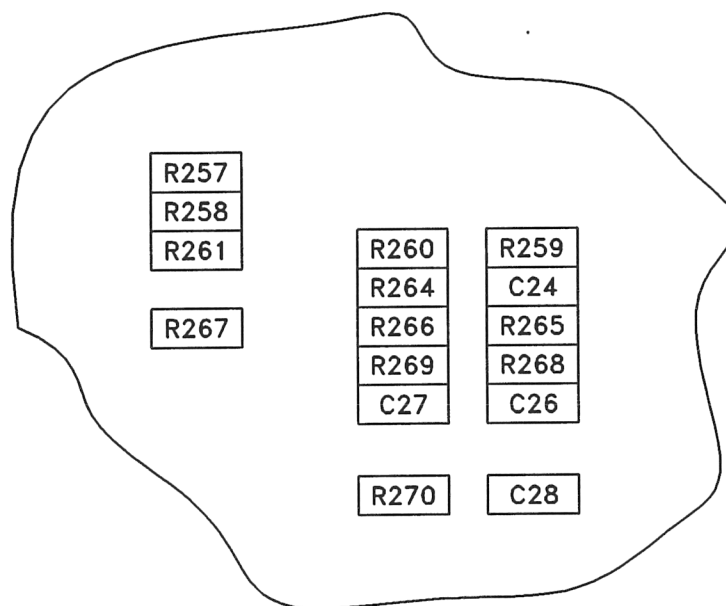
SEE DETAIL 'A'

VMIC VME Microsystems International Corporation Huntsville, Alabama 35893-3308		SIZE B	FORM NO. 08PH5	DWG NO. 132-001182-000
DRAWN K.COWAN		SCALE NONE		SHEET 2
CHECKED C. MURPHY		DATE 5-20-95		



SEE DETAIL "B"

VMIC Huntsville, Alabama 35803-3308 VME Microsystems International Corporation		SIZE B	FORM NO. 0BPH5	DWG NO. 132-001182-000
DRAWN K.COWAN		SCALE NONE		SHEET 2A
CHECKED C. Muzzey		DATE 3-20-95		



DETAIL "B"

VMIC HUNTSVILLE, AL 35803-3308 VME MICROSYSTEMS INTERNATIONAL CORP.		SIZE A	FSCM NO. OBPH5.	DWG NO. 132-001182-000
DRAWN: E. JORY		SCALE		SHEET 2B
CHECKED: <i>C. Muzey</i> 3-16-95				

NOTE:

DO NOT REMOVE THE QFP CARRIER FROM THE DEVICE UNTIL INSTALLATION INTO THE BOARD SOCKET. UTILIZE THE EXISTING INSERTION TOOL FROM AMP (AMP P/N 822253-4), OR FOLLOW THE PROCEDURE BELOW.

STEP 1

PLACE THE DEVICE WITH QFP CARRIER AGAINST A FLAT, STATIC FREE WORK SURFACE.

STEP 2

WITHOUT APPLYING PRESSURE, HOLD DOWN THE DEVICE WITH THE BLUNT END OF A PENCIL OR SIMILAR DEVICE.

STEP 3

USE THUMB AND FOREFINGER TO BEND UP THE YELLOW RETAINING CLIPS LOCATED ON DIAGONAL CORNERS OF THE CARRIER (IF CARRIER HAS RETAINING CLIPS ON ALL FOUR CORNERS, LIFTING TWO CORNERS SHOULD STILL ALLOW THE CARRIER TO LIFT FREE).

STEP 4

INSTALL QFP DEVICE COVER, ITEM 24, IN REVERSE ORDER OF THE CARRIER REMOVAL.

CAUTION:

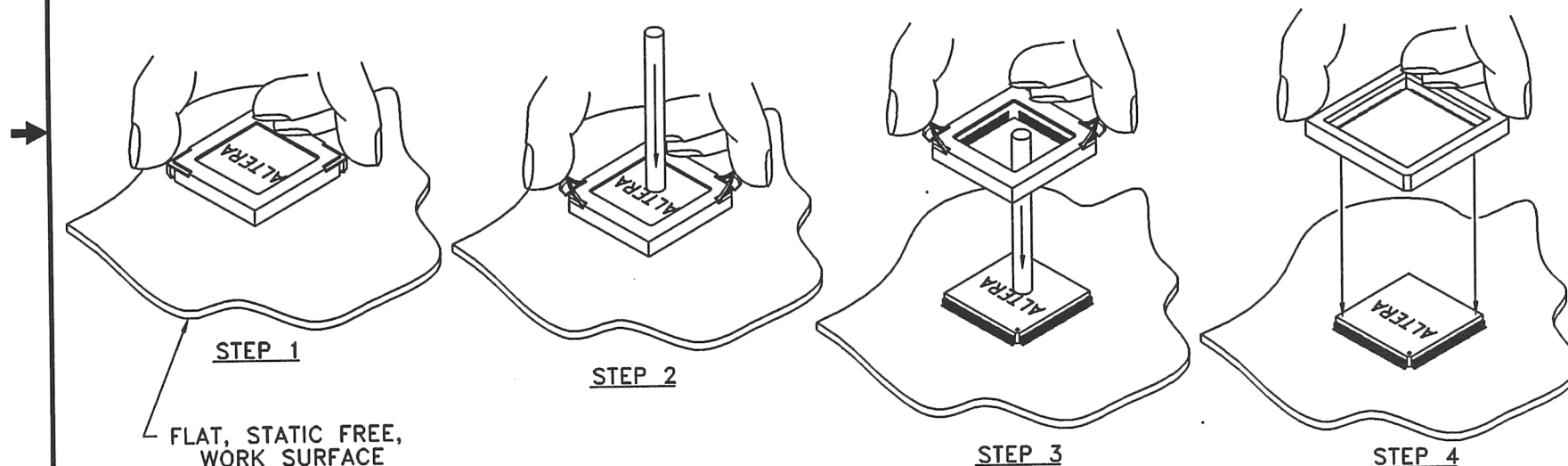
WHEN INSTALLING THE DEVICE COVER INSURE THE FOUR CORNER CLIPS CLEAR THE DEVICE PINS AND PIN 1 ORIENTATION OF THE COVER AND DEVICE MATCH.

STEP 5

AFTER THE COVER IS FLAT AGAINST THE WORK SURFACE AND OVER THE DEVICE, LIFT THE COVER WITH THE DEVICE AND INSURE THE UNDERSIDE DEVICE PINS ARE PROPERLY ALIGNED AND SEATED WITHIN THE COVER GUIDES.

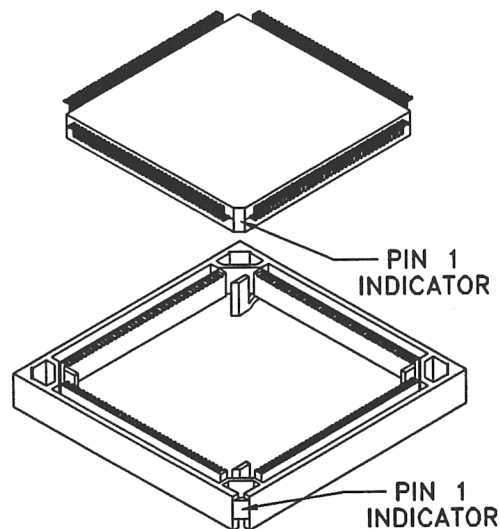
STEP 6

INSERT DEVICE WITH COVER INTO THE PROPER BOARD SOCKET INSURING PIN 1 ORIENTATION IS CORRECT.

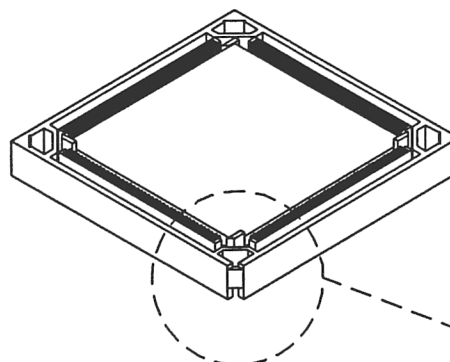


DETAIL "C"

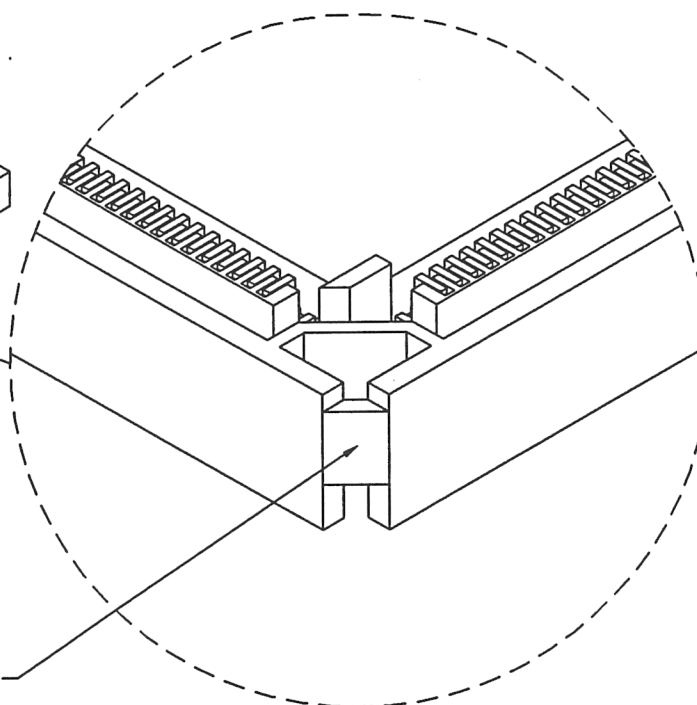
VMIC HUNTSVILLE, AL 35803-3308 VME MICROSYSTEMS INTERNATIONAL CORP.		SIZE A	FSCM NO. OBPH5	DWG NO. 132-001182-000
DRAWN: E. JORY		SCALE .375=1		SHEET 2C
CHECKED: C. Muffey		3-16-95		



BOTTOM VIEWS OF COVER
AND DEVICE PRIOR TO
STEP 4



BOTTOM VIEW OF ASSEMBLED
COVER AND DEVICE
STEP 5



BOTTOM VIEW OF ASSEMBLED COVER AND DEVICE
SHOWING CORRECT PIN ALIGNMENT

DETAIL "C" (CONTINUED)

VMIC HUNTSVILLE, AL 35803-3308 VME MICROSYSTEMS INTERNATIONAL CORP.		SIZE A	FSCM NO. OBPH5	DWG NO. 132-001182-000
DRAWN: E. JORY CHECKED: <i>C. J. M. 3-16-95</i>		SCALE		SHEET 2D

EFFECTIVITY: ECO 95-0088 (332-000131-000 ALL REVISIONS)

INSTRUCTIONS: ASSEMBLY

FOR OPTIONS -04X, -05X, -06X, AND -07X

STEP 1

INSTALL RESISTORS R1 THROUGH R64 AND R65 THROUGH R128 AS SHOWN BELOW.

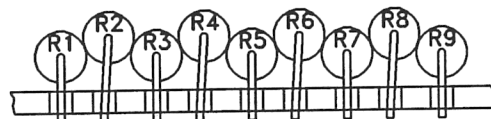


FIGURE 1
SCALE: 2=1

NOTE THAT TOP-MOUNTED RESISTORS REQUIRE LONGER LEADS.

VMIC HUNTSVILLE, AL 35803-3308 VME MICROSYSTEMS INTERNATIONAL CORP.	SIZE A	FSCM NO. OBPH5	DWG NO. 132-001182-000
	DRAWN: E. JORY CHECKED: <i>C. Muzey</i> 3-16-95		SCALE SHEET 2E

REWORK LEGEND:

- A. REWORK INSTRUCTIONS SHALL BE ACCOMPLISHED ON THE COPPER REVISION(S) INDICATED AND WILL BECOME A PART OF THE ASSEMBLED BOARD.
- B. REWORK INSTRUCTION SYMBOLS:
 1. PIN ONE DOT ■
 2. DRILL HOLE ●
 3. DISCONNECT TRACE ×
 4. TRACE ON INTERNAL LAYER -----
 5. TRACE ON EXTERNAL LAYER _____

INSTRUCTIONS:

NOTES:

- 1 A. ALL ASSEMBLED BOARDS SHALL BE IDENTIFIED WITH THE ASSEMBLED BOARD PART NUMBER. THIS NUMBER INCLUDES THE CURRENT REVISION LETTER LISTED IN THE "REVISION STATUS OF 332" BLOCK (SEE SHEET 1). THE RESULTING PART SHALL BECOME A 332-001182-ABC (REV).
- B. THE PART NUMBER FIELDS "ABC" WILL COINCIDE WITH THE OPTIONAL PARTS INSTALLED IN THE COMPLETED ASSEMBLY. IF NO OPTIONAL PARTS ARE USED IN A FIELD, THAT FIELD WILL DEFAULT TO "0".
- C. IF NECESSARY, REMOVE AND REPLACE 332 REVISION LETTER WITH CURRENT REVISION LETTER USING EITHER A REMOVABLE NON-SMEARING BLACK INK OR A LABEL.
- 2 SOLDER COMPOSITION COMPLIES WITH MIL-STD-2000.
- 3 SEE DRAWING 150-000022-000 FOR THE ASSEMBLY AND INSTALLATION OF THE FRONT PANEL.

VMIC HUNTSVILLE, AL 35803-3308 VME MICROSYSTEMS INTERNATIONAL CORP.		SIZE A	FSCM NO. OBPH5	DWG NO. 132-001182-000
DRAWN: E. JORY		SCALE		SHEET 3
CHECKED: <i>C. Murphy</i>		3-16-95		

SIZE A	DWG NO 132-001182-000	SH 3A	REV C
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EFFECTIVITY: ECO 95-0126 (332-000131-000 REV A)

INSTRUCTIONS: REWORK

STEP 1

REMOVE U76, P/N 303-001071-000, AND INSTALL P/N 303-001071-001.

END OF REWORK INSTRUCTIONS

VMIC HUNTSVILLE, AL 35803-3308 VME MICROSYSTEMS INTERNATIONAL CORP.		SIZE A	FSCM NO. OBPH5	DWG NO. 132-001182-000	
DRAWN: E. JORY		SCALE		SHEET 3A	
CHECKED: <i>C. Muzys</i>		3-16-95			

OPT.			QUANTITY	ITEM #	VMIC[®] PARTS LIST VME MICROSYSTEMS INT'L CORP.		CODE	REV.	DRAWING NUMBER	CHECKED	SH NO.
A	B	C			REFERENCE DESIGNATOR	PART NO.		C	132-001182-000	DATE	
			1	1		333-001182-000	BOARD: PC, RAW, 8 LAYERS				4
			1	2		317-000106-000	F/P ASSY: EXTRUDED EJECTOR, TWO 96 PIN CUTOUT, PANEL MOUNT LED (SEE NOTE 3)				
			1	3		324-001182-100	LABEL: ID, 1182, FRONT PANEL (SEE NOTE 3)				
			1	4	U103	303-001068-000	PROGRAMMED PAL: FILE: 1182103A.JED A PROGRAMMED 20R4 (331-300105-600)				
			1	5	U104	303-001069-000	PROGRAMMED PAL: FILE: 1182104A.JED A PROGRAMMED 20R4 (331-300105-600)				
			1	6	U96	303-001070-000	PROGRAMMED PAL: FILE: 1182-96A.JED A PROGRAMMED 20R4 (331-300105-600)				
			1	7	U76	306-001071-001	PROGRAMMED PROM: FILE: 1182-76B.MX, A PROGRAMMED 27C256 (331-309061-000)				
			1	8	U89	303-001072-000	PROGRAMMED PAL: FILE: 1182-89A.POF A PROGRAMMED EPM7032 (331-300147-003)				
			1	9	U102	303-001073-000	PROGRAMMED PAL: FILE: 1182102A.POF A PROGRAMMED EPM7160 (331-300154-012)				
			5	10	C6,13-16	315-005002-104	CAP: .1uF, .300 LEAD SPACE, 10%, 50V, X7R, CERAMIC MOLDED				CW80C104KM (PHILLIPS)
			1	11	C23	315-103001-475	CAP: 4.7uF, .100 LEAD SPACE, 20%, 35V, TANTALUM				T35(0,1)E475M035AS (KEMET)
			17	12	C1-5,7-12,17-22	315-205000-104	CAP: .1uF, .100 LEAD SPACE, 20%, 50V, Z5U, CERAMIC MONOLYTHIC				C3(15,20)C104M5U5CA (KEMET)
			11	13	C24-34	315-305000-104	CAP: SMT, CERAMIC, 0.1uF, 10%, 50V, X7R EIA 1206				C1206C104K5RAC (KEMET)
			A/R	14	P1-4	316-000002-000	LOCTITE: SMALL SCREW THREADLOCKER 222				

OPT.			Q U A N T I T Y	I T E M #	VMIC[®] PARTS LIST VME MICROSYSTEMS INT'L CORP.		CODE OBPH5	REV. C	DRAWING NUMBER 132-001182-000	CHECKED <i>C. Muzz...</i>	SH NO. 5
A	B	C			REFERENCE DESIGNATOR	PART NO.	NOMENCLATURE OR DESCRIPTION			DATE 3/15/95	MANUFACTURER'S PART NO.
			2	15	E4,5	321-000007-210	SOCKET: IC, BREAKAWAY STRIP, 10 CONTACTS, TIN/GOLD			SBE100-S-(TG,TG30)	(R/N)
			3	16	E1-3	321-000015-001	JUMPER: PC BOARD, 2 POSITION, FEMALE, GOLD PLATED CONTACT, BLACK			MSB-2360-G-C-STP	(McKENZIE)
			2	17	E1,2	321-000016-021	TERMINAL: PC BOARD, SINGLE ROW, .025 THICK, GOLD PLATED, TWO POSTS			92983401-02	(PANDUIT)
			1	18	E3	321-000017-131	TERMINAL: PC BOARD, DUAL ROW, .025 THICK, GOLD PLATED, THIRTEEN POSTS			PEG26DS-(T,F)BR	(CRANE)
			1	19	P1	321-000054-001	CONNECTOR: DIN, 96 PIN WITH EXTENDED GROUND PINS, TYPE C			536437-6	(AMP)
			3	20	P2-4	321-000054-002	CONNECTOR: DIN, 96 PIN WITH EXTENDED GROUND PINS, TYPE C			536437-5	(AMP)
			1	21	U89	321-000062-044	CARRIER: CHIP, 44 PIN PLCC			821575-1 (PREFERRED)	(AMP)
			1	22	U75	321-000062-068	CARRIER: CHIP, 68 PIN PLCC			821574-1	(AMP)
			1	23	U102	321-000122-160	SOCKET: IC, EIAJ METRIC QUAD FLAT PACK, (QFP) 160 PIN			822114-4	(AMP)
			1	24	U102	321-000122-161	SOCKET COVER: QUAD FLAT PACK, 160 PIN			822115-4	(AMP)
			3	25	U96,103,104	321-001324-001	SOCKET: DIP, 24 PIN, .300 ROW, STAMPED & FORMED			2-641932-(3,1,5)	(AMP)
			1	26	U76	321-001628-001	SOCKET: DIP, 28 PIN, .600 ROW, STAMPED & FORMED			2-641605-(3,1,5)	(AMP)
			1	27	Y1	323-000007-400	OSCILLATOR: TTL, HIGH SPEED CMOS, +-100ppm, 5Vdc, 40.0 MHz, -10 TO 70 DEGREES C ,			P5C-KT-40MHZ	(FOX)
			1	28	U113	323-500002-030	DELAY LINE: DIGITAL, TTL, 5 TAP, 8 PIN SIL, 30ns			DDU-222-30	(DATA DELAY)
			4	29	P1,2	328-250000-010	SCREW: PAN HEAD, PHILLIPS, M2.5 X 10MM, SS				
			8	30	P1-4	328-250001-025	NUT: METRIC, 2.5MM, HEX, SS				

OPT.			QUANTITY	ITEM #	VMIC[®] PARTS LIST VME MICROSYSTEMS INT'L CORP.		CODE	REV.	DRAWING NUMBER	CHECKED	SH NO.
A	B	C			REFERENCE DESIGNATOR	PART NO.	OBPH5			DATE	6
							C			3/15/95	
										MANUFACTURER'S PART NO.	
			13	31	U77,82,97-100,105 U106,114-118	331-304244-133	IC: DIGITAL, OCTAL BUFFER/LINE DRIVER, TRI-STATE, NON-INVERTING, ZIP PACKAGE			QS74FCT244ATZ (QUALITY SEMI)	
			10	32	U73,74,78-81,87,88 U90,91	331-304245-723	IC: DIGITAL, OCTAL BIDIRECTIONAL TRANSEIVER, TRI-STATE, ZIP PACKAGE			QS74FCT245TATZ (QUALITY SEMI)	
			1	33	U110	331-304521-303	IC: DIGITAL, 8 BIT COMPARATOR, FAST, ZIP PACKAGE			QS74FCT521TZ (QUALITY SEMI)	
			10	34	U65-72,107,108	331-304574-703	IC: DIGITAL, OCTAL D-TYPE FLIP-FLOP, THREE STATE, PLASTIC ZIP			QS74FCT574(A)TZ (QUALITY SEMI)	
			1	35	U109	331-304641-610	IC: DIGITAL, OCTAL BUS TRANSCEIVER, OPEN COLLECTOR PLASTIC DIP			SN74LS641-1N (TI)	
			2	36	U111,112	331-304645-110	IC: DIGITAL, OCTAL BUS TRANSCEIVER, PLASTIC DIP			SN74(ALS,AS)645A-1N (TI)	
			2	37	U85,86	331-304646-400	IC: DIGITAL, TRI-STATE OCTAL BUS TRANSCEIVER AND REGISTER, PLASTIC DIP			SN74F646N (TI)	
			2	38	U83,84	331-309065-001	IC: MEMORY, 2048 X 8, 16K BIT STATIC RAM, 35ns OR LESSER, .300 WIDE PLASTIC DIP			MCM2018AN35 (MOTOROLA)	
			4	39	U92-95	331-309105-250	IC: MEMORY CHOS RAM, 8K X 8, 25ns, 495/575mW ACTIVE LOW POWER .300 WIDE			P4C164-25PC (PERFORMANCE)	
			1	40	U75	331-309132-000	IC: DSP MICROCOMPUTER, 68 PIN PLCC			ADSP-2105(K,B)P-40 (A/D)	
			1	41	U101	331-309148-000	IC: MICROMONITOR CHIP, 8-PIN DIP			DS1232 (DALLAS SEMI)	
			1	42	D1	337-000001-110	DIODE: LED, RED, 5V, 15mA, INTEGRAL RESISTOR, WIRE LEADS			558-0102-003 (DIALIGHT)	
			65	43	R129-192,273	347-000021-103	RESISTOR: CHIP, 10K OHM, 1/8W, 5%, EIA SIZE 1206			CRCW1206103JRT2 (DALE)	
			64	44	R193-256	347-000021-333	RESISTOR: CHIP, 33K OHM, 1/8W, 5%, EIA SIZE 1206			CRCW1206333JRT2 (DALE)	
			16	45	R257-272	347-000021-392	RESISTOR: CHIP, 3.9K OHM, 1/8W, 5%, +- 200PPM			CRCW1206392JRT2 (DALE)	

OPT.			QUANTITY	ITEM #	 PARTS LIST VME MICROSYSTEMS INT'L CORP.		CODE OBPH5	REV. C	DRAWING NUMBER 132-001182-000	CHECKED <i>C. Mussen</i> DATE 3/15/95	SH NO. 7
A	B	C			REFERENCE DESIGNATOR	PART NO.	NOMENCLATURE OR DESCRIPTION			MANUFACTURER'S PART NO.	
			5	46	RP1-5	347-001002-392	SIP: 3.9K OHM, BUSSED, 10 PIN, LOW PROFILE			4610X-101-392	(BOURNS)
			1	47	E4	347-001032-010	SIP: 0 OHM, BUSSED, 10 PIN, LOW PROFILE			AK0X10G	(ACCUTEK)
			64	48	U1-64	348-000012-005	OPTOCOUPLER: SINGLE CHANNEL, 4-PIN IC			PC817(B,BC,BD,C,CD,D)	(SHARP)
			2	49	P3,4	321-000048-003	BRACKET: MULTIPLE FIXING, MALE CONNECTOR FOR 19", LEFT			09 02 000 9919	(HARTING)
			2	50	P3,4	321-000048-004	BRACKET: MULTIPLE FIXING, MALE CONNECTOR FOR 19", RIGHT			09 02 000 9920	(HARTING)
0	0	1	64	51	R1-64	347-000005-750	RESISTOR: 750 OHM, 1/4W, 1%, METAL FILM				
0	0	C	64	52	R65-128	347-000006-402	RESISTOR: 4.02K OHM, 1/4W, 1%, METAL FILM				
			4	53	P3,4	328-250000-012	SCREW: PAN HEAD, PHILLIPS, M2.5 X 12MM, SS				
0	1	1	64	54	R1-64	347-000006-150	RESISTOR: 1.50K OHM, 1/4W, 1%, METAL FILM				
0	1	C	64	55	R65-128	347-000007-143	RESISTOR: 14.3K OHM, 1/4W, 1%, METAL FILM				
				56							
0	2	1	64	57	R1-64	347-000006-402	RESISTOR: 4.02K OHM, 1/4W, 1%, METAL FILM				
0	2	C	64	58	R65-128	347-000007-301	RESISTOR: 30.1K OHM, 1/4W, 1%, METAL FILM				
				59							
0	3	1	64	60	R1-64	347-000006-402	RESISTOR: 4.02K OHM, 1/4W, 1%, METAL FILM				
0	3	C	64	61	R65-128	347-000007-301	RESISTOR: 30.1K OHM, 1/4W, 1%, METAL FILM				
				62							

OPT.			QUANTITY	ITEM #	VMIC [®] PARTS LIST		CODE	REV.	DRAWING NUMBER	CHECKED	SH NO.
A	B	C			VME MICROSYSTEMS INT'L CORP.		OBPH5	C	132-001182-000	DATE	8
					REFERENCE DESIGNATOR	PART NO.	NOMENCLATURE OR DESCRIPTION			MANUFACTURER'S PART NO.	
0	4	1	64	63	R1-64	347-000032-100	RESISTOR: 10.0K OHM, 1/2W, 1%, METAL FILM (SEE ASSEMBLY INSTRUCTIONS)				
0	4	C	64	64	R65-128	347-000032-604	RESISTOR: 60.4K OHM, 1/2W, 1%, METAL FILM (SEE ASSEMBLY INSTRUCTIONS)				
				65							
0	5	1	64	66	R1-64	347-000032-100	RESISTOR: 10.0K OHM, 1/2W, 1%, METAL FILM (SEE ASSEMBLY INSTRUCTIONS)				
0	5	C	64	67	R65-128	347-000032-806	RESISTOR: 80.6K OHM, 1/2W, 1%, METAL FILM (SEE ASSEMBLY INSTRUCTIONS)				
				68							
0	6	1	64	69	R1-64	347-000032-402	RESISTOR: 40.2K OHM, 1/2W, 1%, METAL FILM (SEE ASSEMBLY INSTRUCTIONS)				
0	6	C	64	70	R65-128	347-000033-150	RESISTOR: 150K OHM, 1/2W, 1%, 100PPM, METAL FILM, RN60C TYPE (SEE ASSEMBLY INSTRUCTIONS)				
				71							
0	7	1	64	72	R1-64	347-000033-150	RESISTOR: 150K OHM, 1/2W, 1%, 100PPM, METAL FILM, RN60C TYPE (SEE ASSEMBLY INSTRUCTIONS)				
0	7	C	64	73	R65-128	347-000033-280	RESISTOR: 280K OHM, 1/2W, 1%, 50PPM, METAL FILM, RN50C TYPE (SEE ASSEMBLY INSTRUCTIONS)				