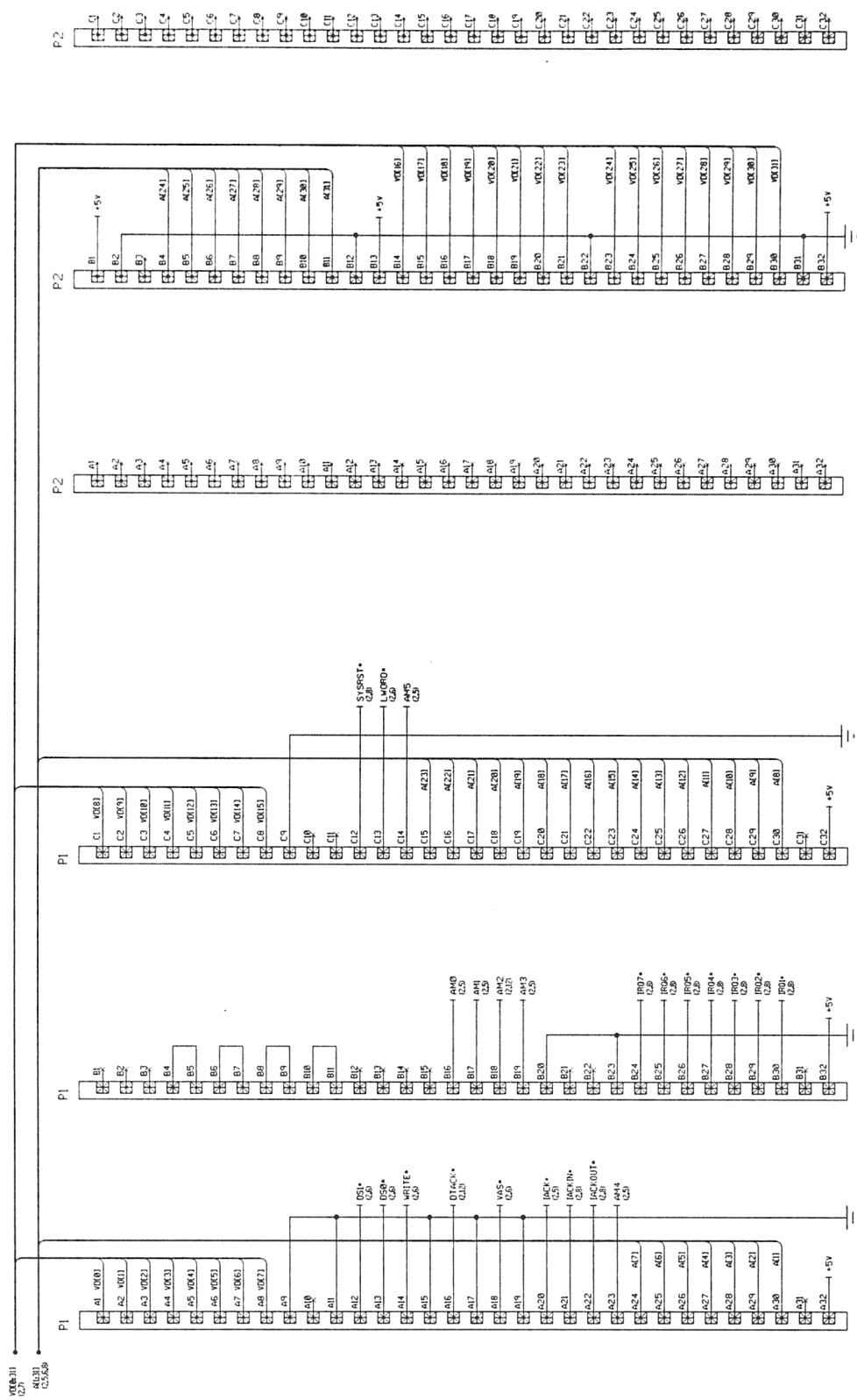


REVISIONS			
REV	DESCRIPTION	DATE	APPROVAL
A	RELEASE PER ECO 93-0345	5-25-93	Q29

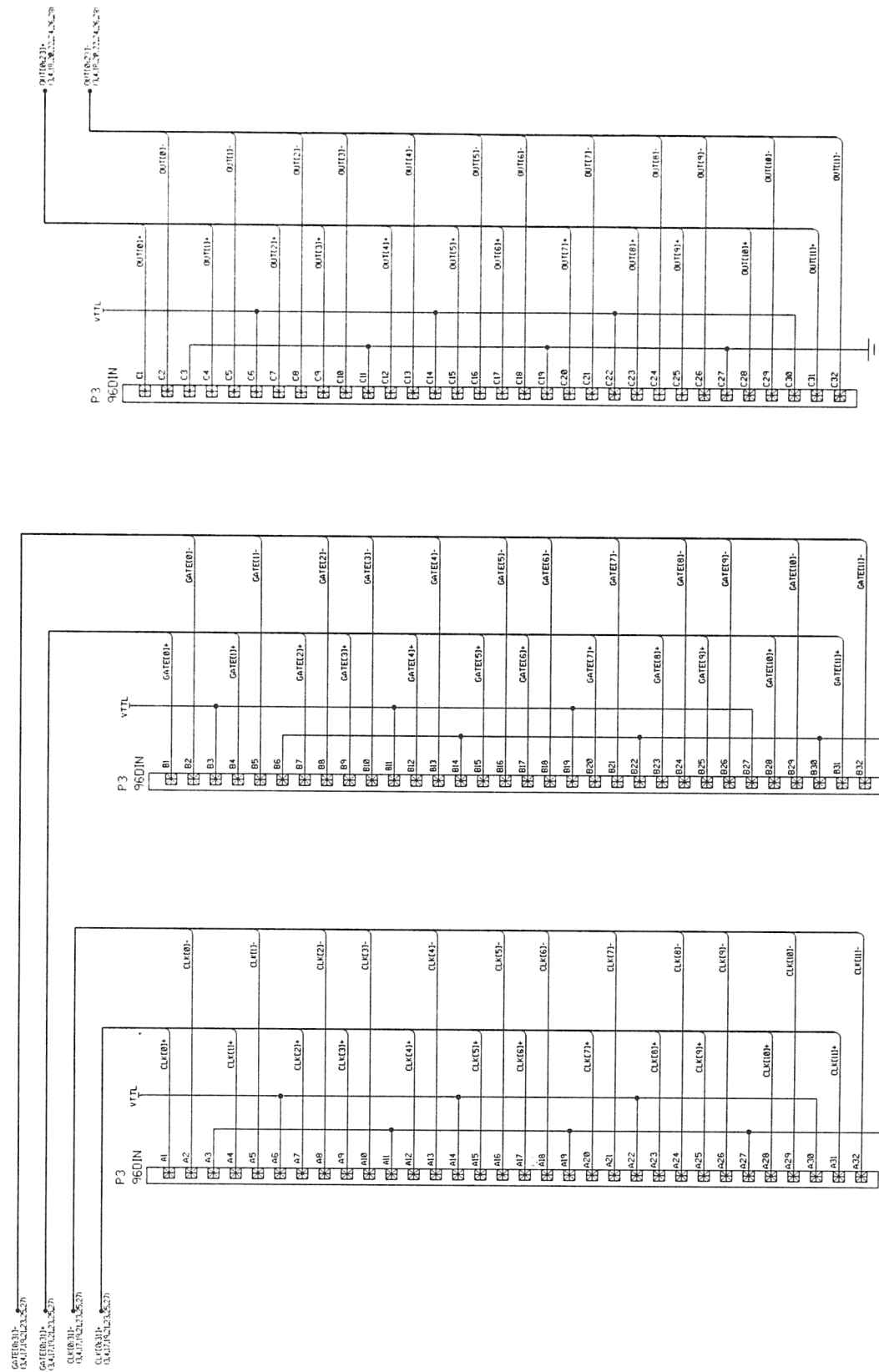
NOTES:

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

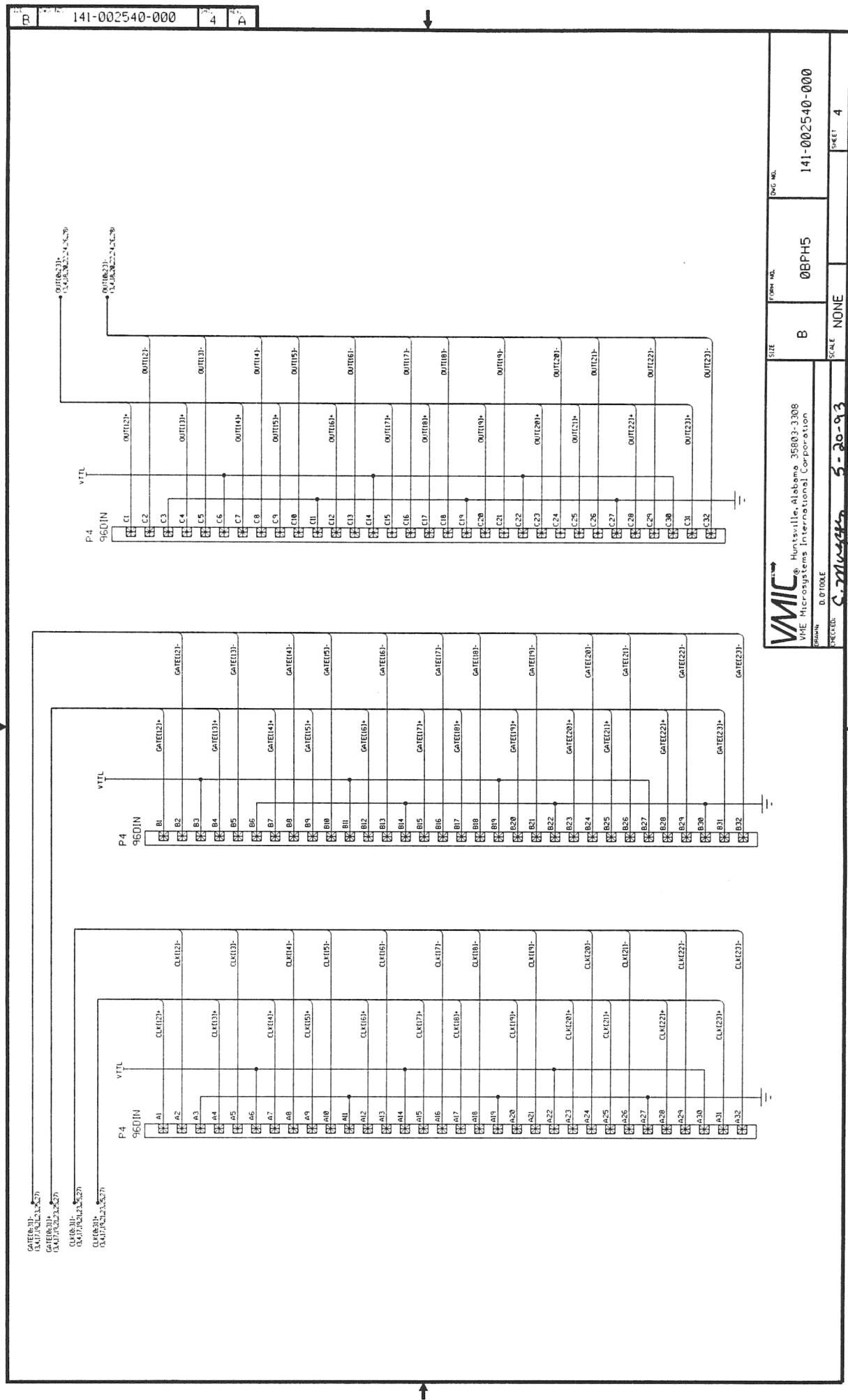
 VMIC Huntsville, Alabama 35893-3208 VME Microsystems International Corporation		TITLE VMVME - 2540 SCHEMATIC	
DRAWN: D. O'ROURKE DATE: 6/23/92		SCALE: NONE	
CHECKED: CLWHEELLOCK DATE: 11/20/92		SHEET NO.: 08PH5	
DESIGNED: RAMEL BOISE DATE: 11/20/92		TOTAL SHEETS: 1	
APPROVED: <i>[Signature]</i> DATE: 5-25-93		SCALE: NONE	
THIS DRAWING AND SPECIFICATION ARE THE PROPERTY OF VMIC. IT IS TO BE KEPT IN CONFIDENTIALITY AND NOT REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART FOR ANY OTHER PROJECT WITHOUT VMIC'S WRITTEN PERMISSION.			



1

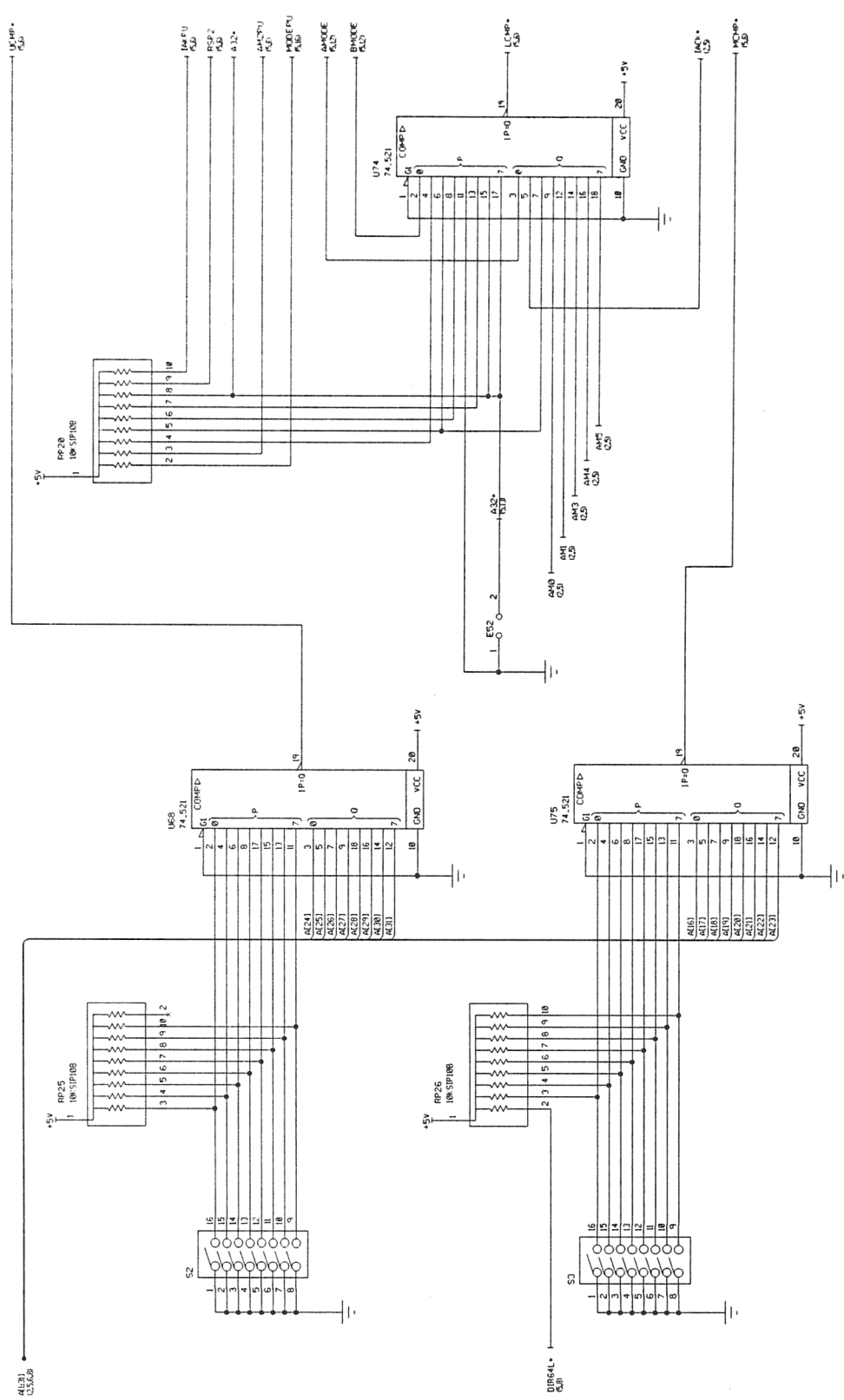


VMIC Huntsville, Alabama 35893-3308 VME Microsystems International Corporation		SIZE B	FORM NO. 08PH5	DWG NO. 141-002540-000
DRAWN D. O'TOOLE		SCALE NONE	SHEET 3	



VMIC
Huntsville, Alabama 35893-3308
VME Microsystems International Corporation
DESIGNED BY: C. M. WATSON
DATE: 5-20-93

SIZE	FORM NO.	DWG NO.
B	08PH5	141-002540-000
SCALE	NONE	SHEET 4

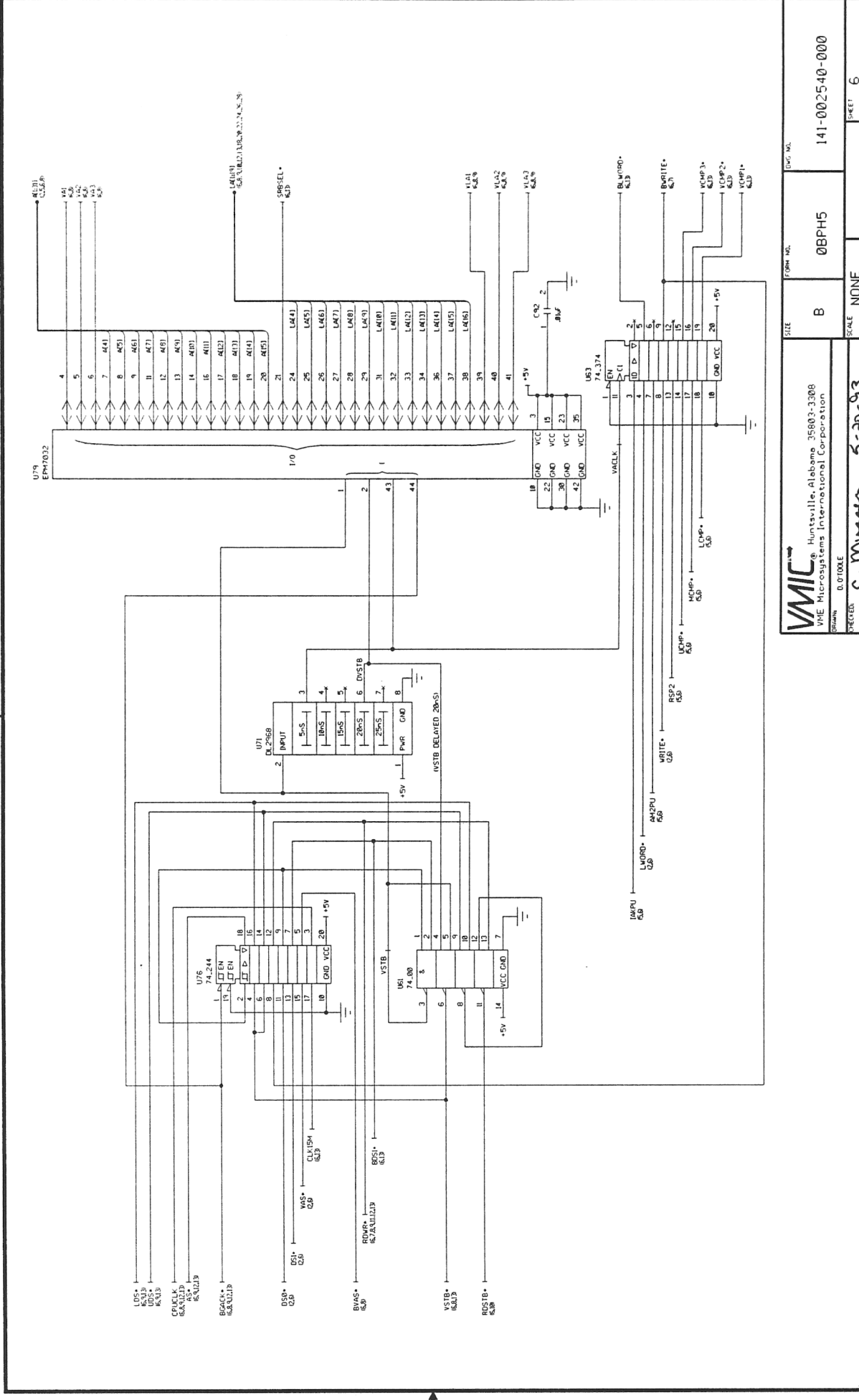


VMIC
Huntsville, Alabama 35803-3308
VME Microsystems International Corporation

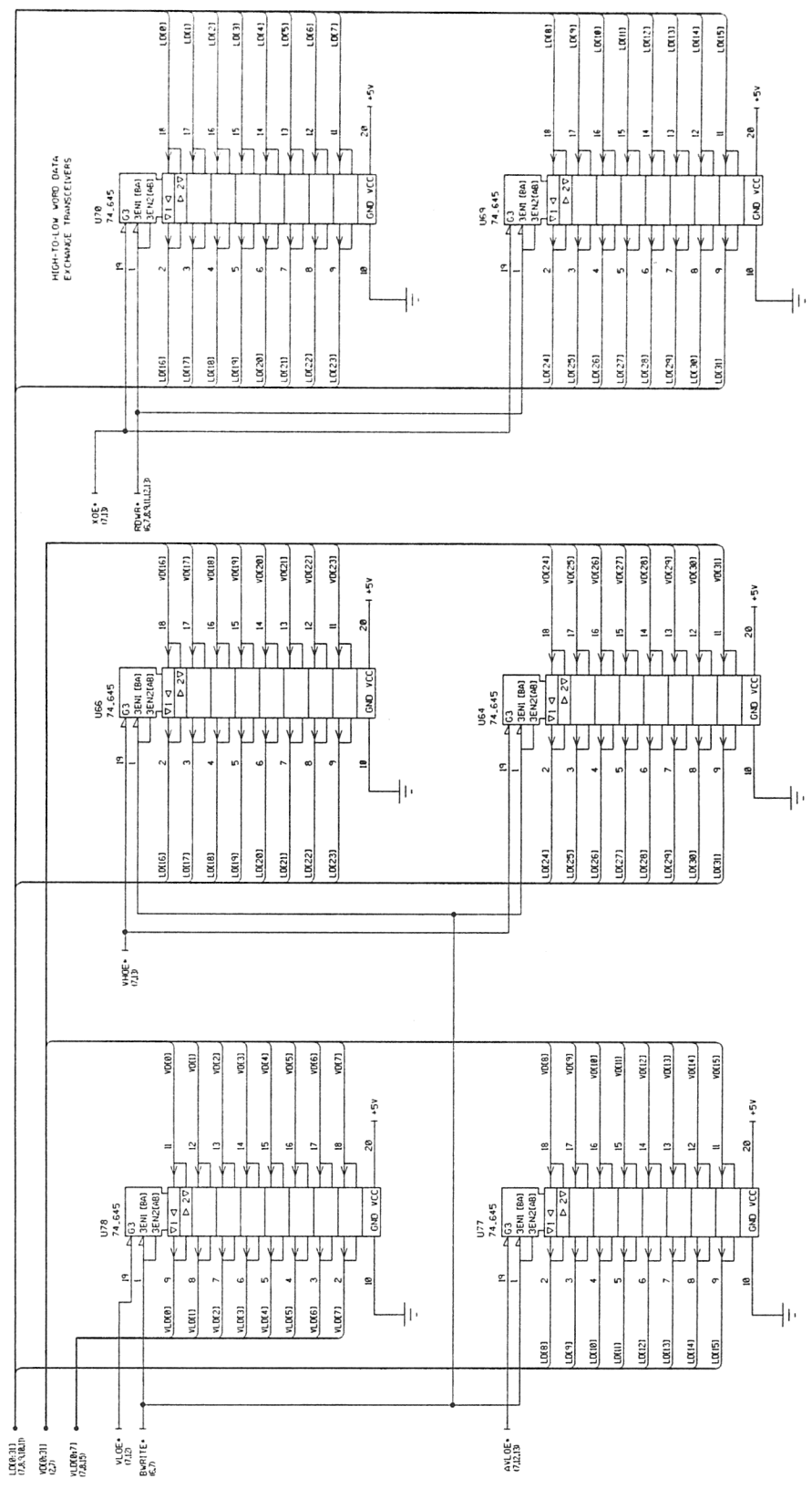
SIZE B
FORM NO. 08PH5
141-002540-000

REVISION 5-20-93
DRAWN S. MURPHY
CHECKED D. O'TOOLE

SCALE NONE
SHEET 5

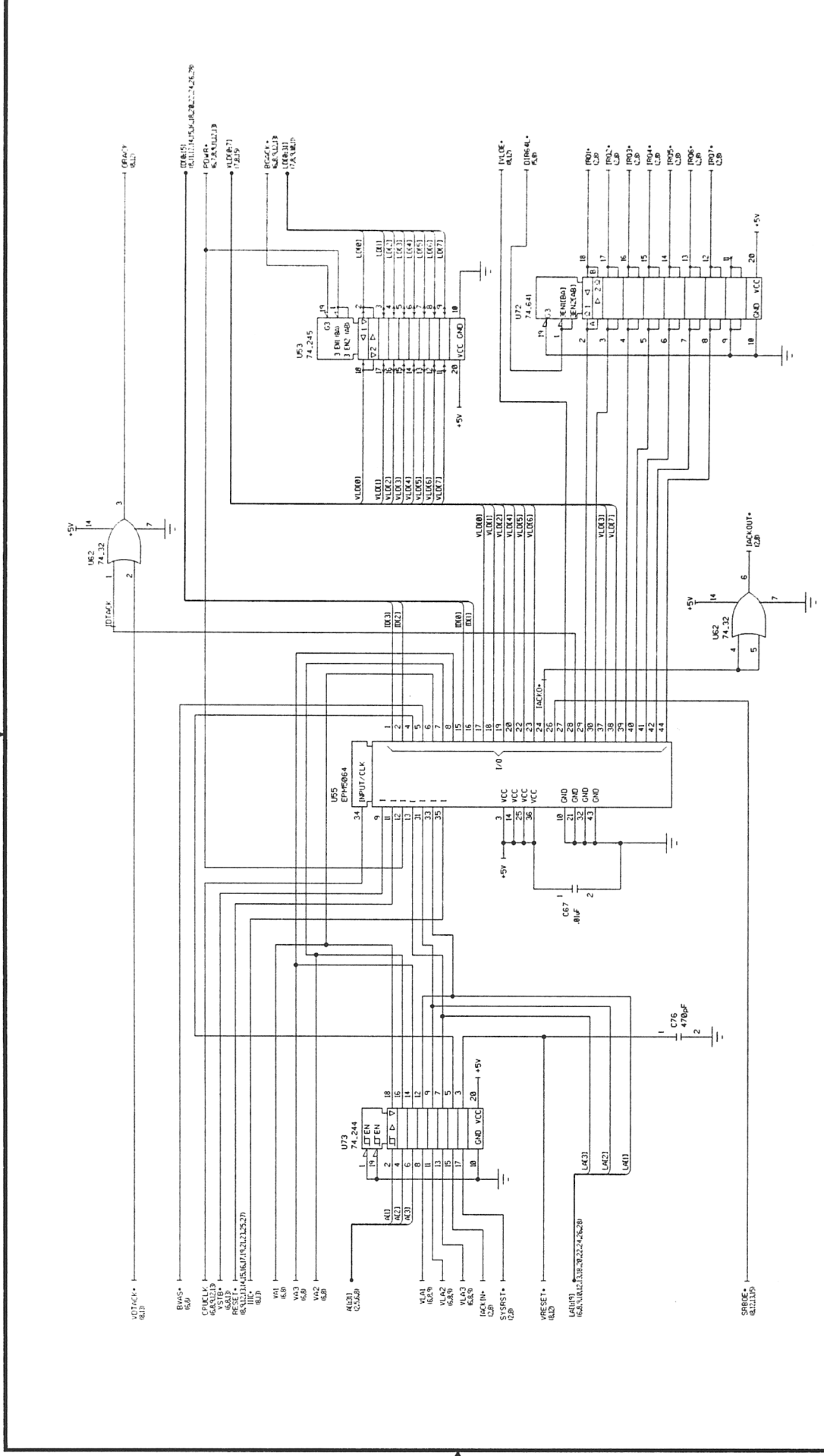


VMIC Huntsville, Alabama 35893-3308 VME Microsystems International Corporation	
SIZE	FORM NO.
B	08PH5
SCALE	NONE
SHEET	6

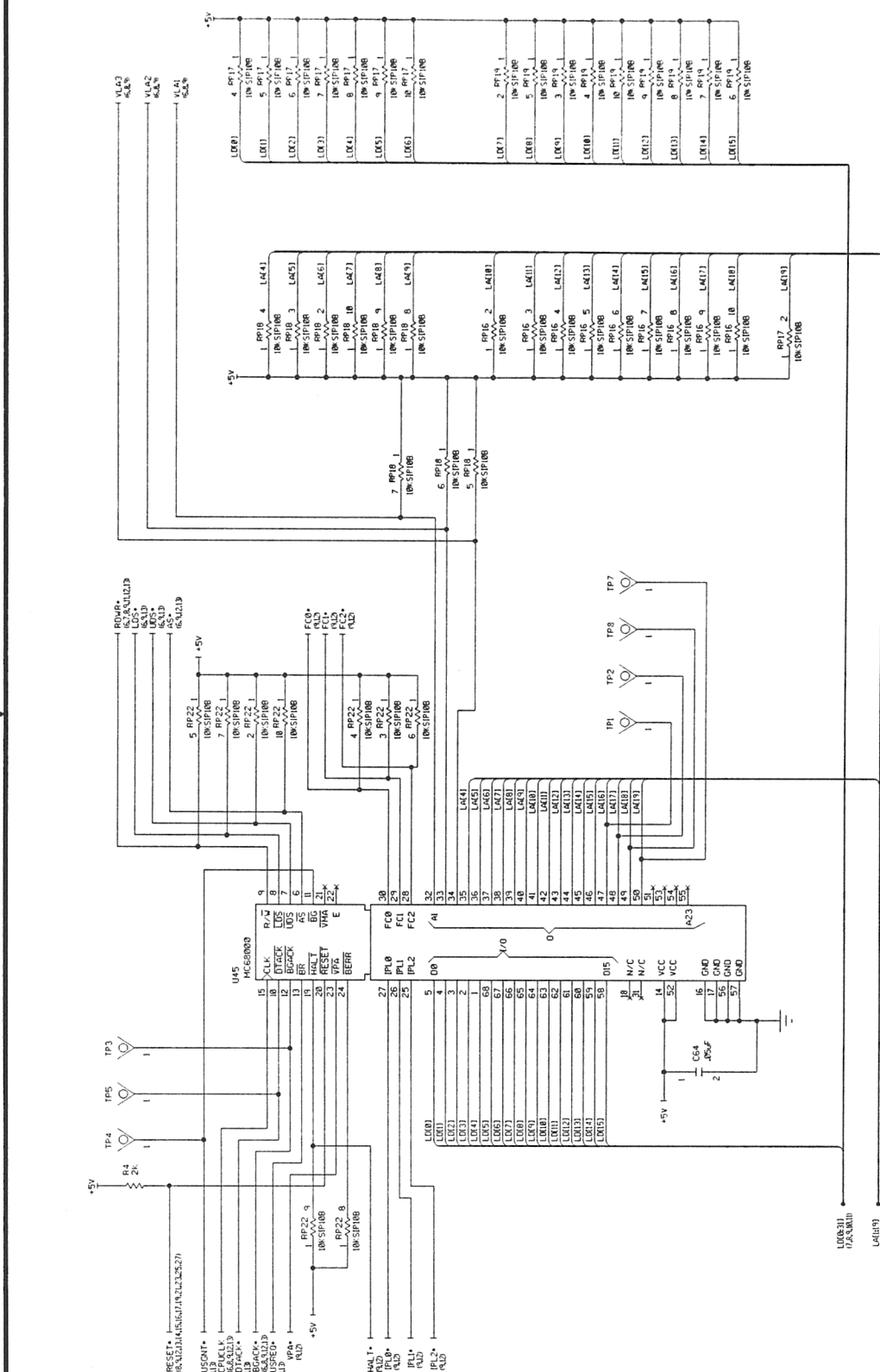


VMIC
Huntsville, Alabama 35803-3308
VME Microsystems International Corporation
DESIGNED BY: D. J. FOLEY
CHECKED BY: C. MURPHY
DATE: 5-20-93

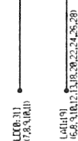
SIZE	B	FORM NO.	08PH5	DWG NO.	141-002540-000
SCALE	NONE	SHEET	7		



VMIC Huntsville, Alabama 35803-3308 VME Microsystems International Corporation SIGNATURE: D.01006		SIZE: B FORM NO.: 08PH5 SCALE: NONE SHEET: 8	141-002540-000
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VME MICROSYSTEMS		Huntsville, Alabama 35893-3308		VME Microsystems International Corporation	
FORM NO.	08PH5	SIZE	B	SCALE	NONE
REV. NO.	141-002540-000	SHEET	9		









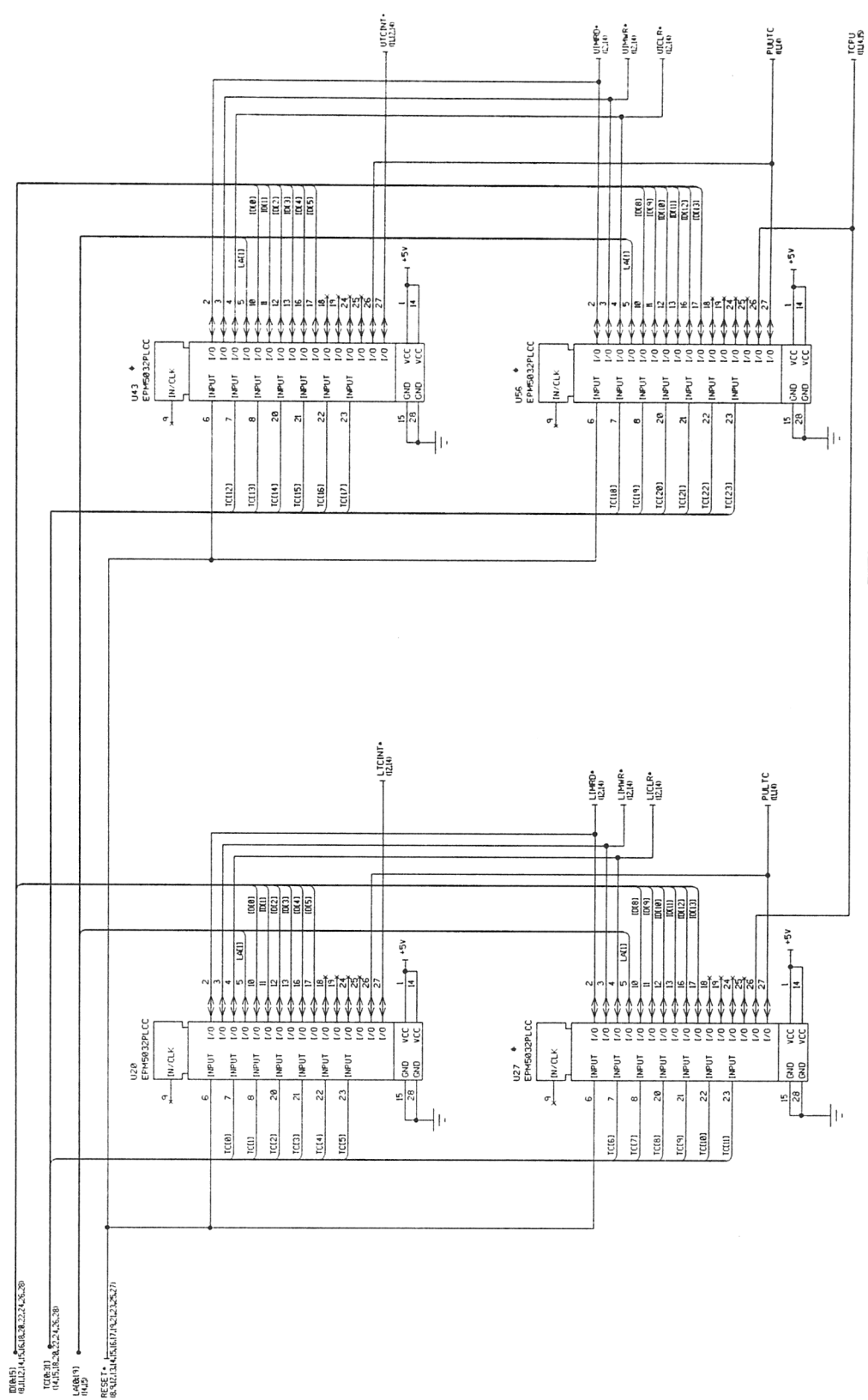
VME® Huntsville, Alabama 35803-3308
VME Microsystems International Corporation

CHECKED: C. Munn 5-20-93

B	Ø8PH5	14
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SCALE	NONE
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SCHEMATIC NAME: page SHEET NUMBER: 13 DATE: May 28, 1993

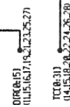


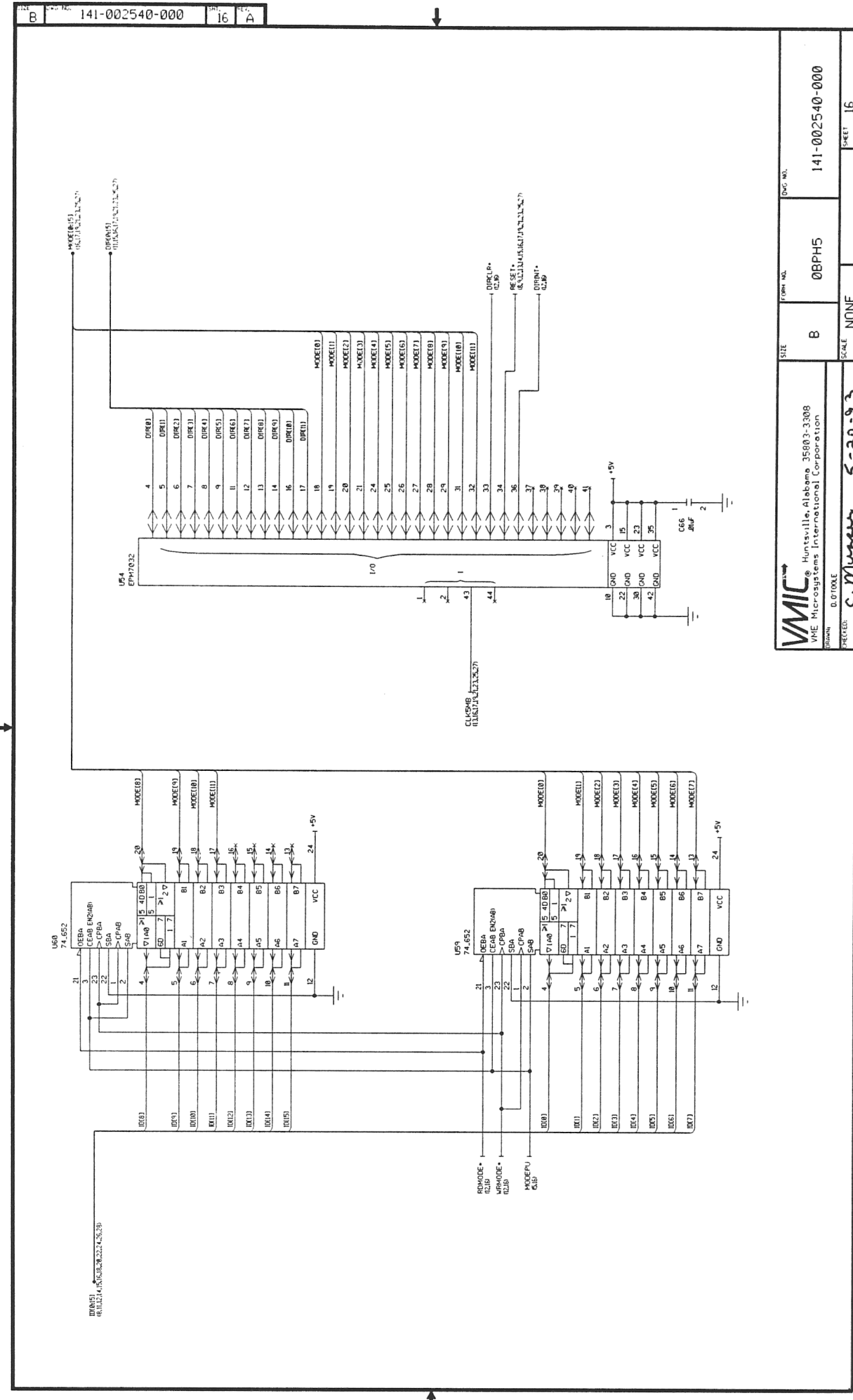
VAMIC
Huntsville, Alabama 35893-3308
VME Microsystems International Corporation
0.07000E

SIZE B NONE SCALE 14

DOC. NO. 141-002540-000

5-20-93

SCHEMATIC NAME: page SHEET NUMBER: 15 DATE: May 20, 1993

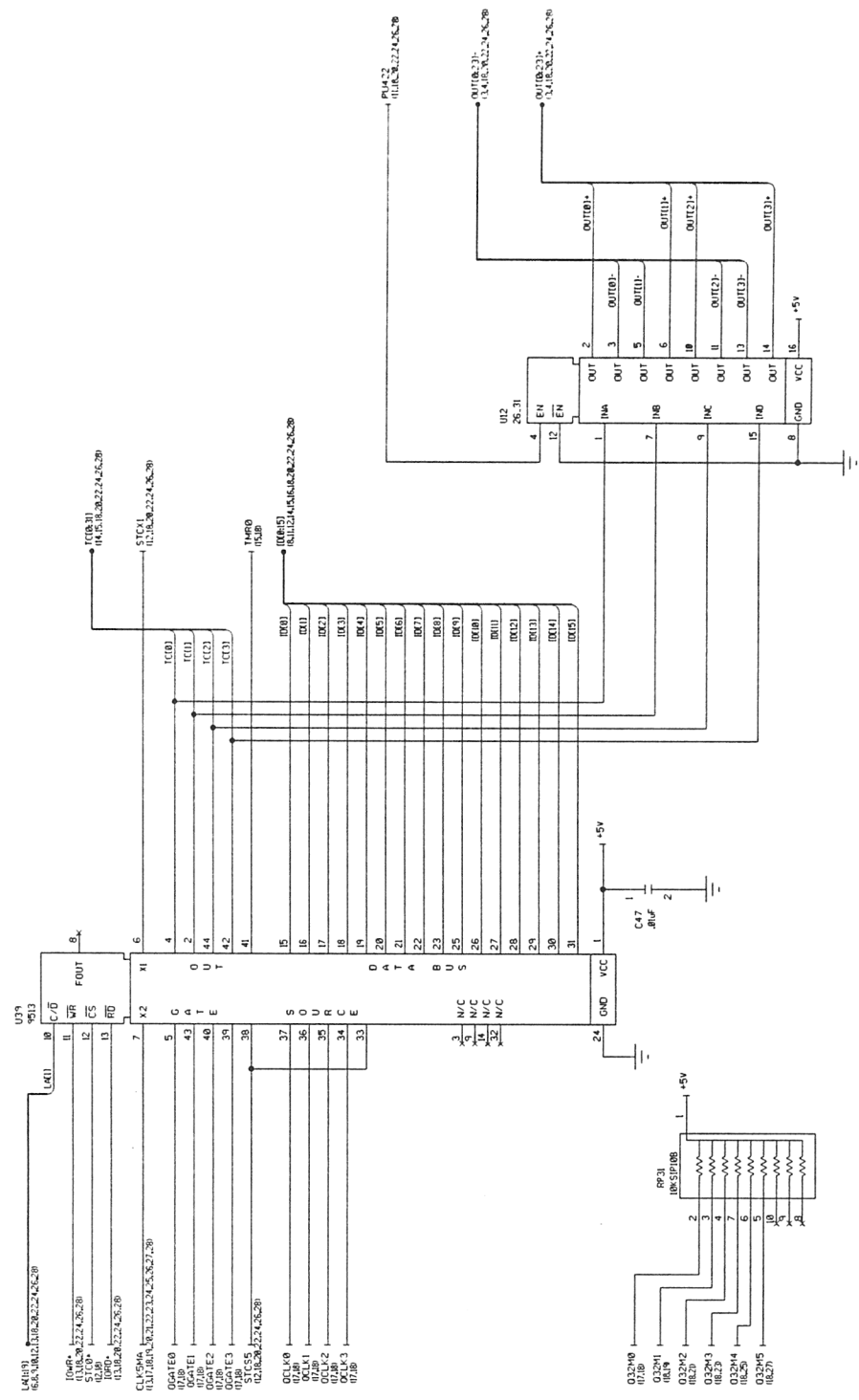


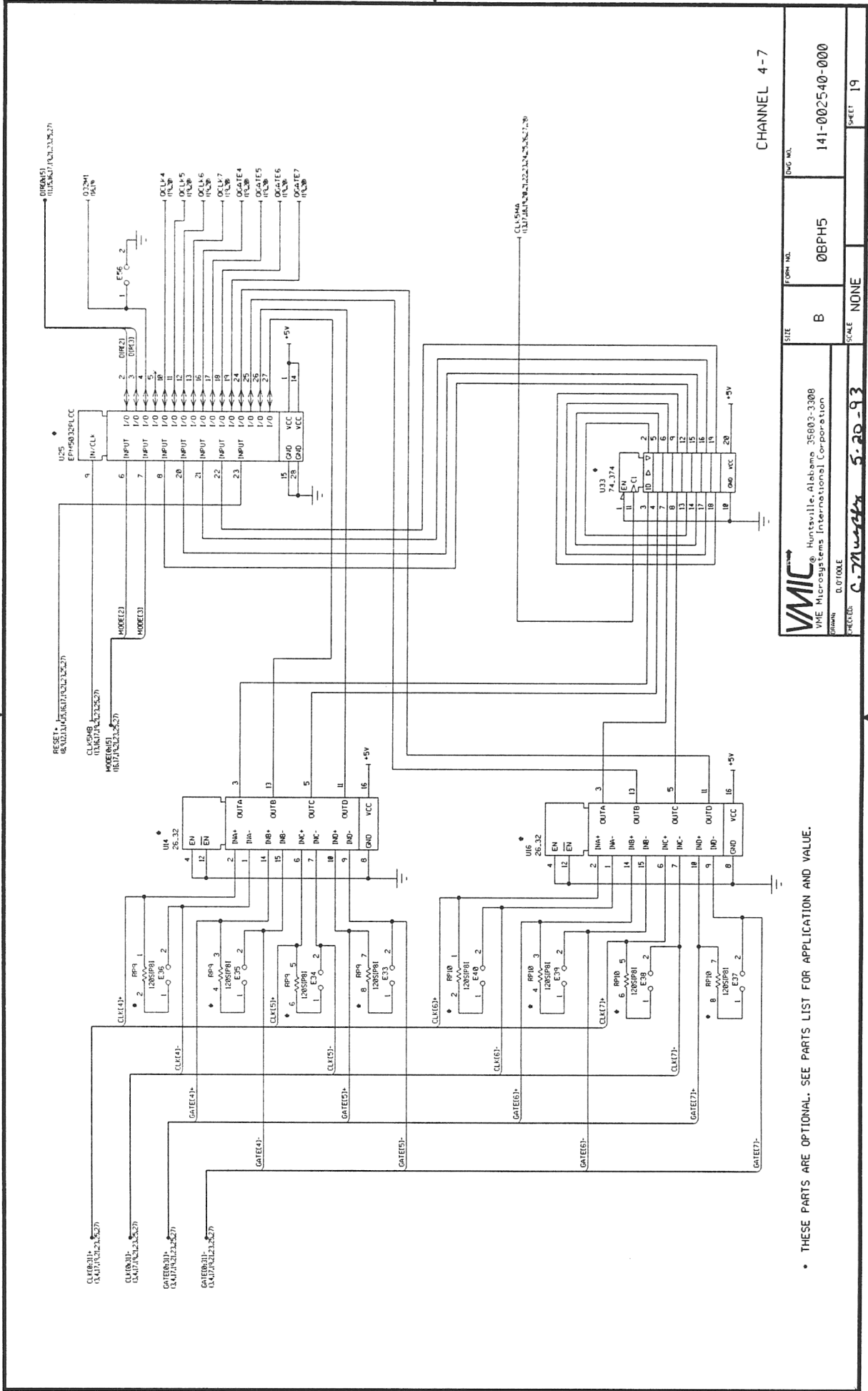
VME		Huntsville, Alabama 35893-3308		VME Microsystems International Corporation	
SITE		FORM NO.		Dwg. No.	
B		08PH5		141-002540-000	
SCALE		NONE		SHEET 16	



CHANNEL 0-3

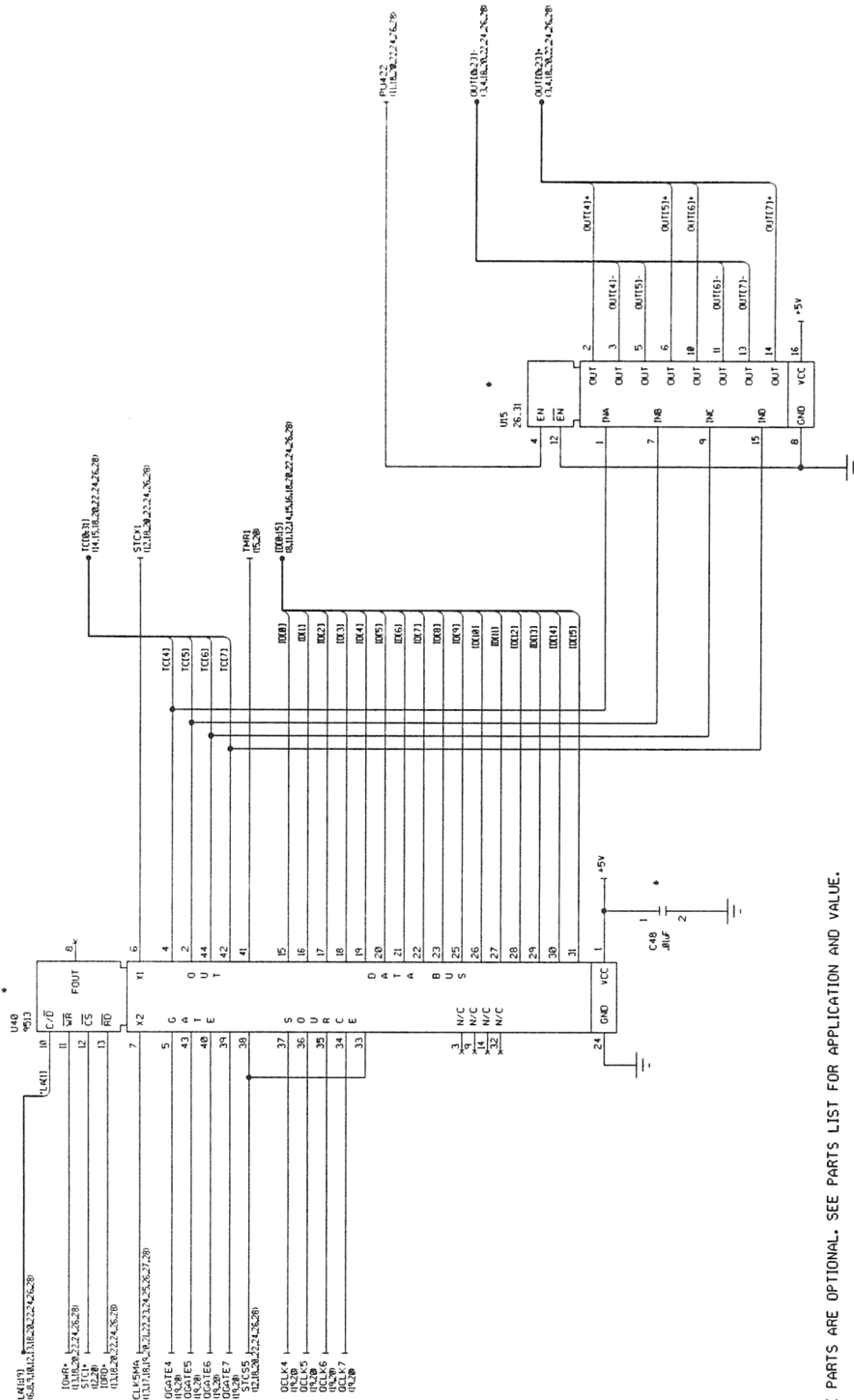
VMIC® Huntsville, Alabama 35803-3308 VME Microsystems International Corporation		SIZE B	FORM NO. 08PH5	DOC NO.
DRAWN D. DITTOLE		SCALE NONE	SHEET 18	141-002540-000





CHANNEL 4-7

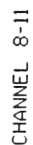
VMIC Huntsville, Alabama 35893-3308 VME Microsystems International Corporation	SIZE B	FORM NO. 08PH5	DWG NO. 141-002540-000
REVISION 0.0100E	SCALE NONE	SHEET 19	DATE: May 28, 1993



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

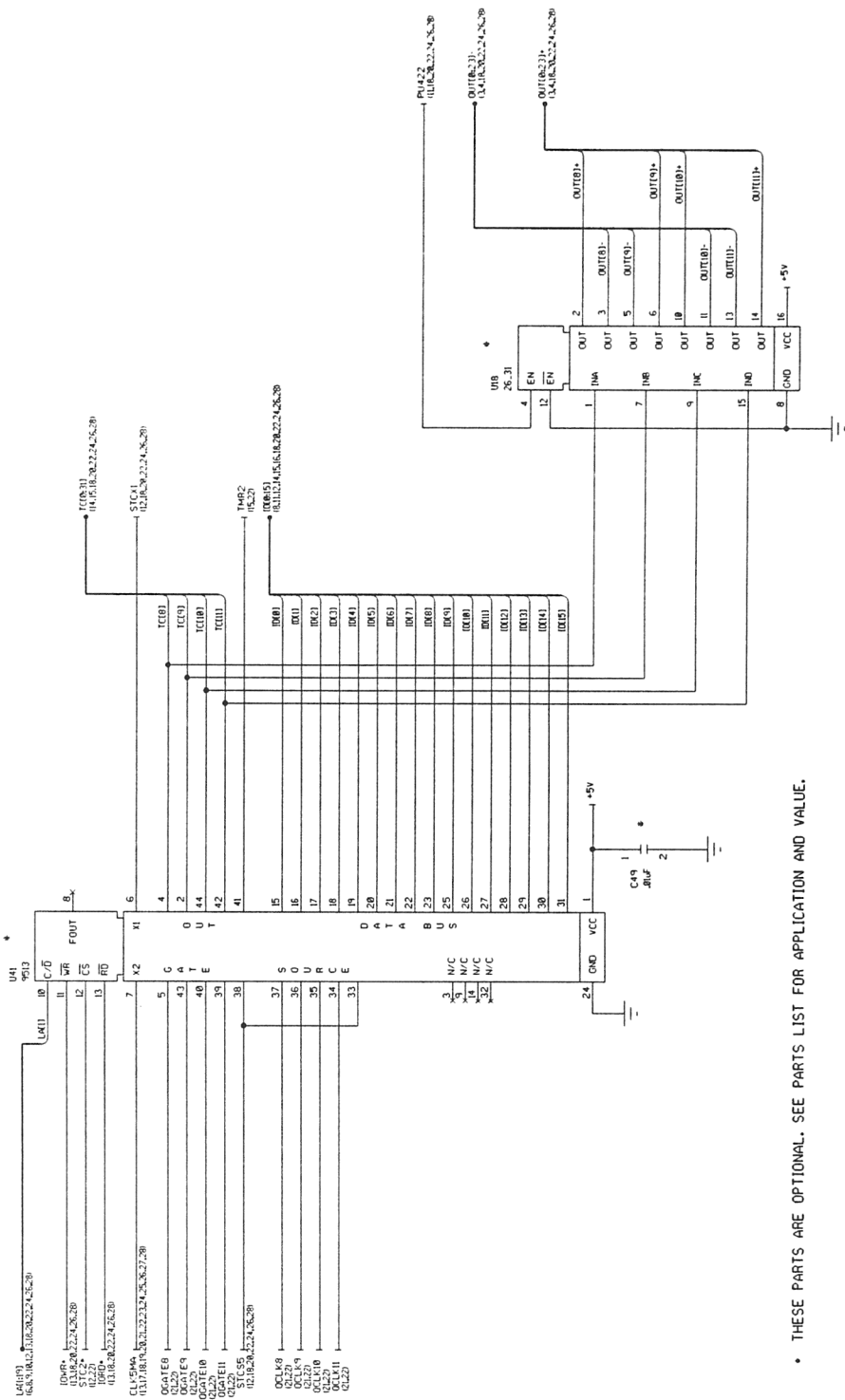
CHANNEL 4-7

VMIC Huntsville, Alabama 35893-3308 VME Microsystems International Corporation DRAWN: 0.0100LE		SIZE: B FORM NO.: 08PH5 DWG NO.: 141-002540-000	SCALE: NONE SHEET: 20
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SIZE	FORM NO.
3215	08PH5

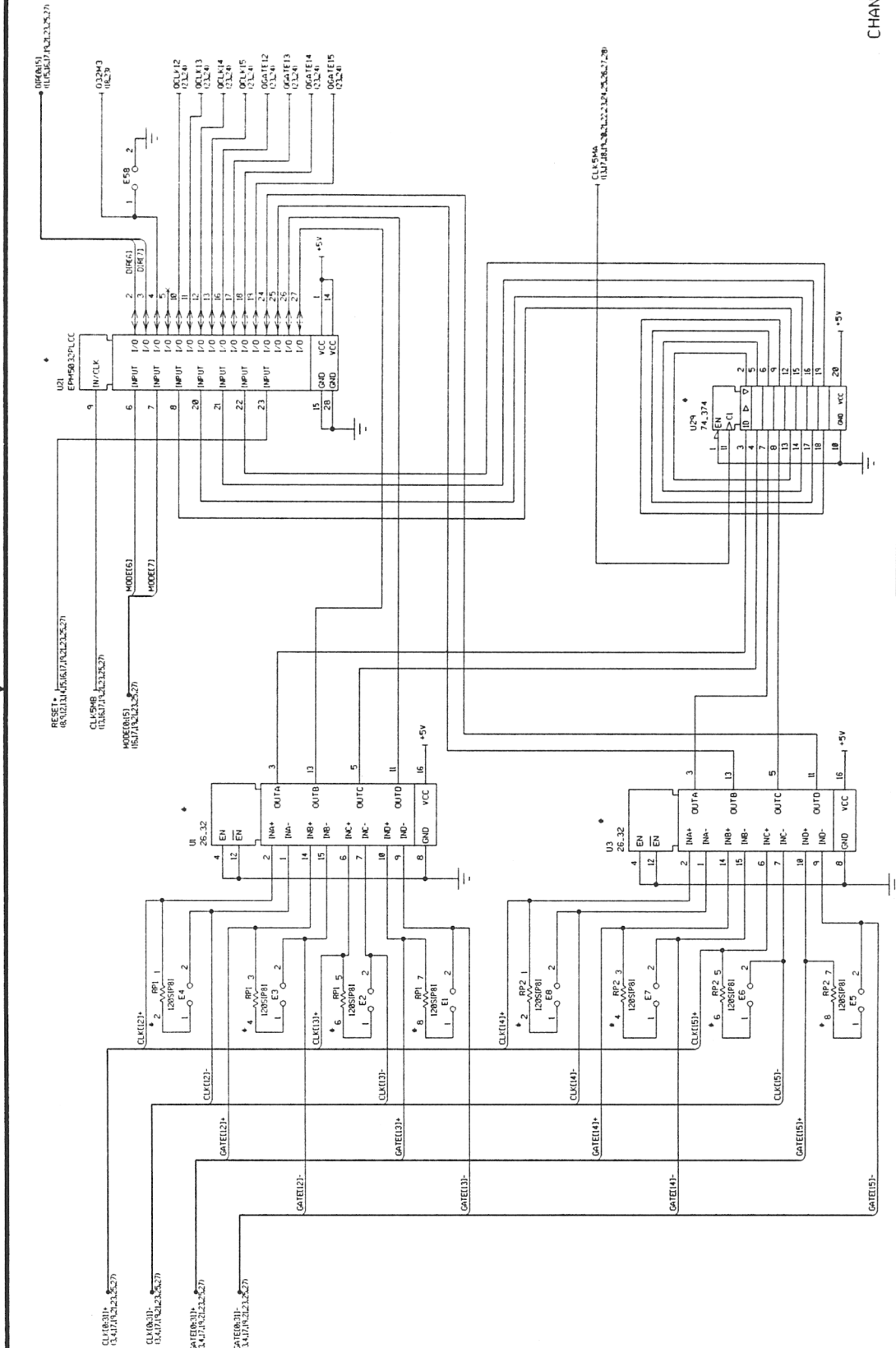
- THESE PARTS ARE OPTIONAL. SEE PARTS LIST FOR APPLICATION AND VALUE.



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

CHANNEL 8-11

VMEC VME Microsystems International Corporation Huntsville, Alabama 35893-3308		SIZE B	FORM NO. 08PH5	DWG NO. 141-002540-000
DRAWN D. D. TOOLE		SCALE NONE		SHEET 22



CHANNEL 12-15



VMC[®]
VME Microsystems

VME® Huntsville, Alabama 35803-3308
VME Microsystems International Corporation

D. O'TOOLE

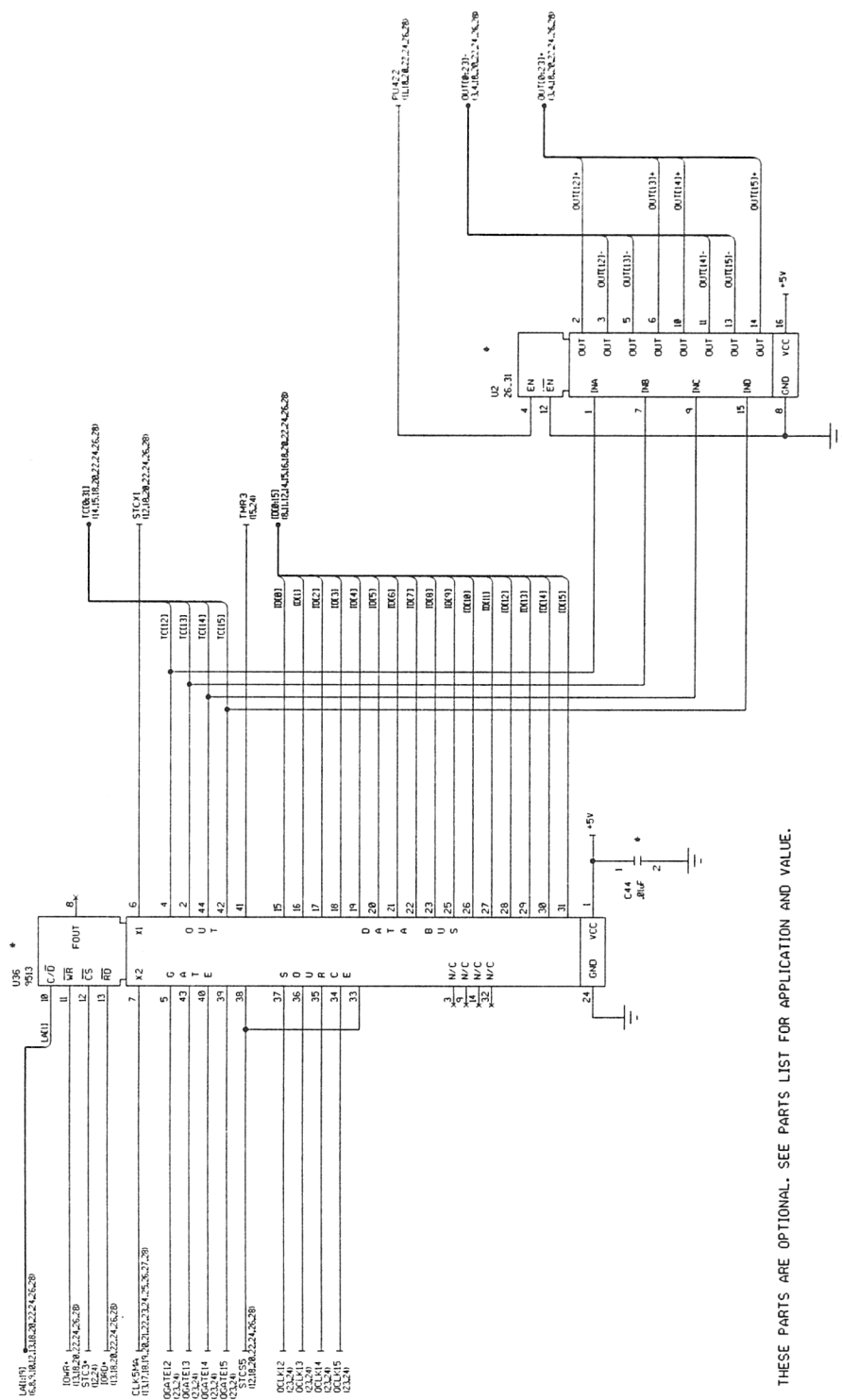
CHECKED: 5-26-93 W. J. W.

SCALE NONE

[illegible]

1

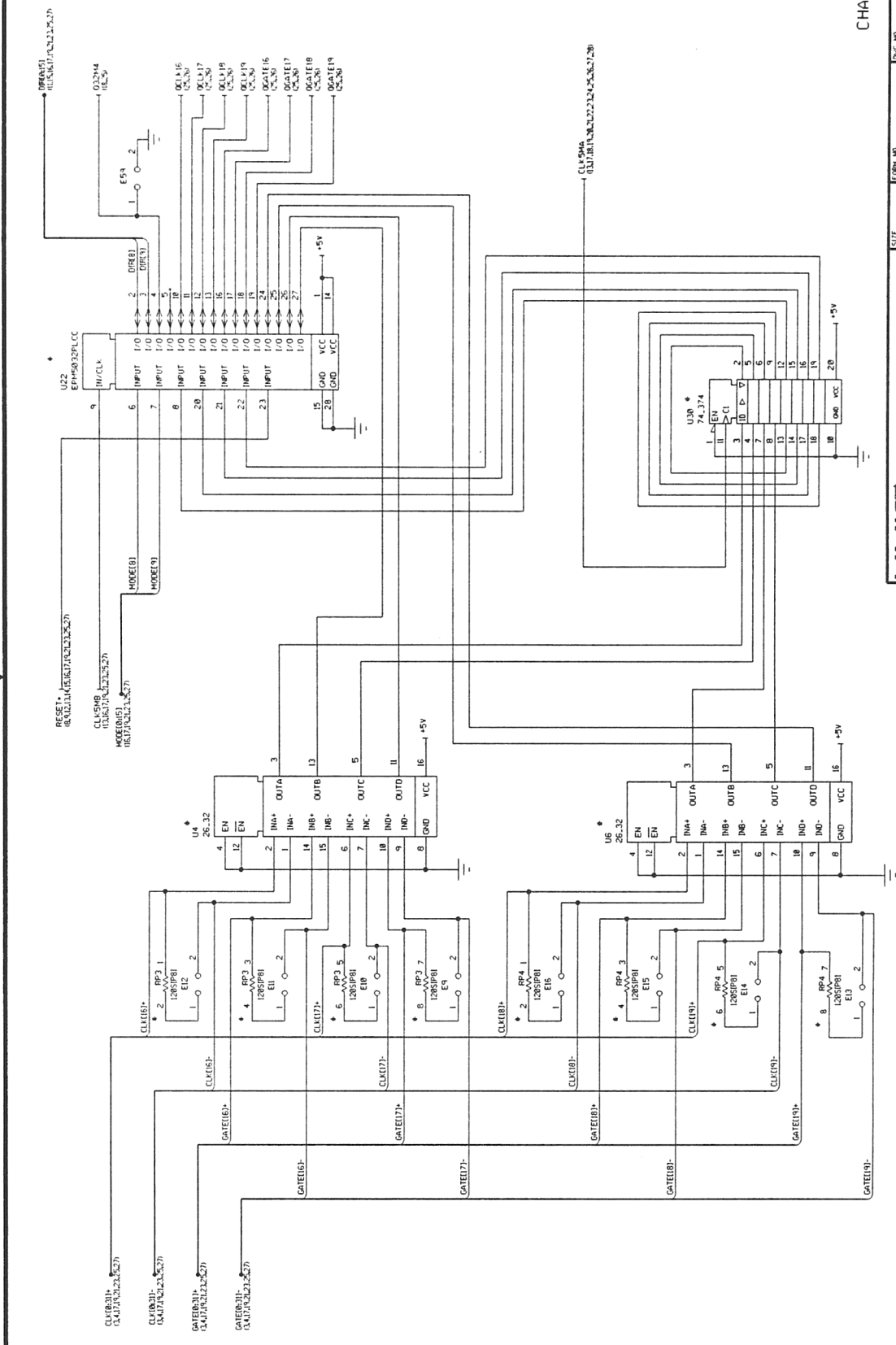
23



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

CHANNEL 12-15

		SIZE B	FORM NO. 08PH5	DATE 141-002540-000
HUNTSVILLE, ALABAMA 35803-3308 VME Microsystems International Corporation		SCALE NONE	SHEET 24	DATE 5-20-93



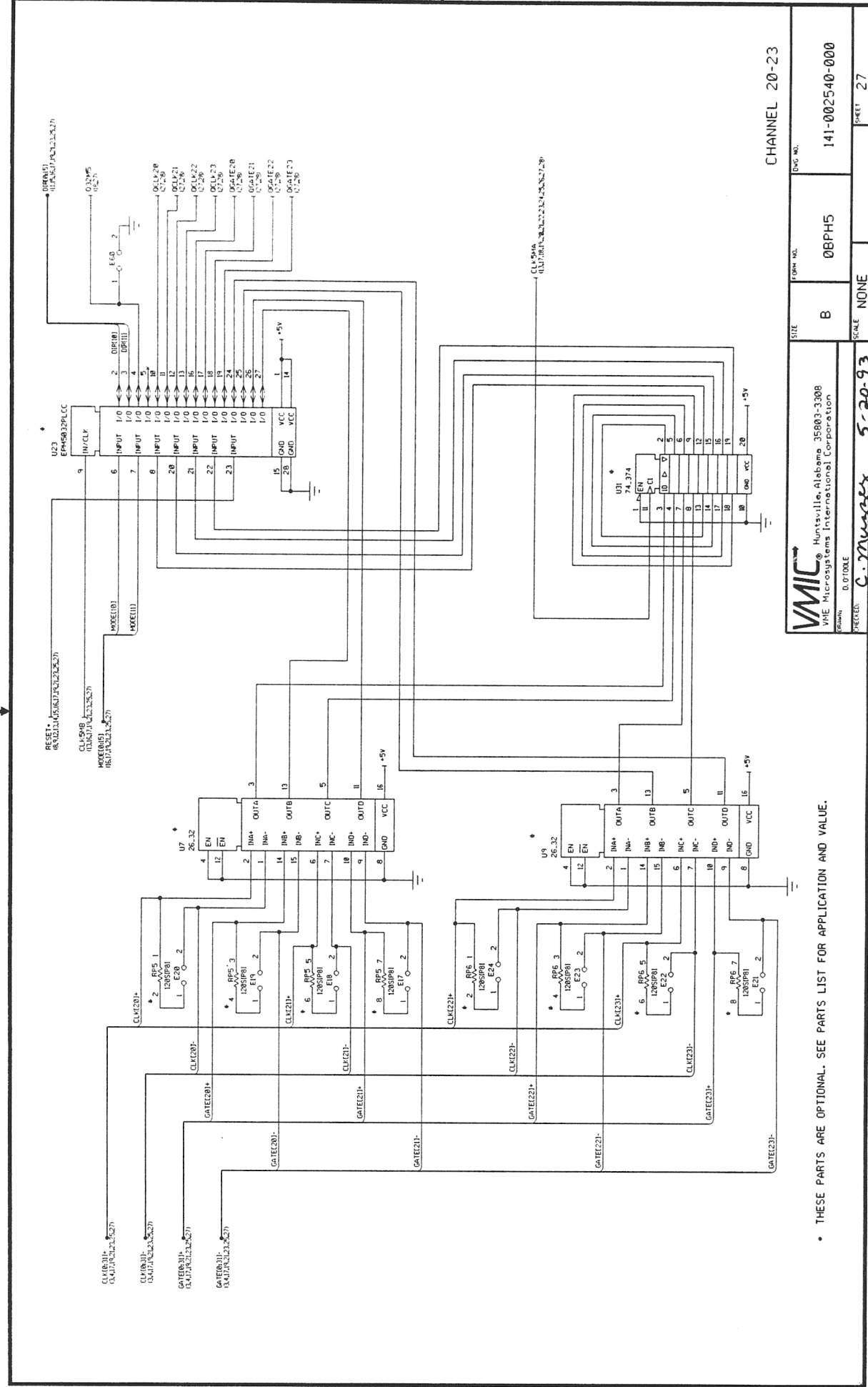
* THESE PARTS ARE OPTIONAL. SEE PARTS LIST FOR APPLICATION AND VALUE.

CHANNEL 16-19

 Huntsville, Alabama 35803-3308 VME Microsystems International Corporation DRAWN: D.01006		SIZE: B FORM: 42 Dwg No.: 141-002540-000	SCALE: NONE SHEET: 25
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SCHEMATIC NAME: DOGE SHEET NUMBER: 26 DATE: NOV 20, 1993



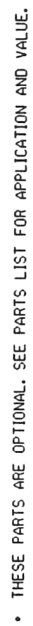
CHANNEL 20-23

SIZE	FORM	ENC. NO.
B	08PH5	141-002540-000
SCALE	NONE	SHEET 27

VMIC® Huntsville, Alabama 35893-3308
VME Microsystems International Corporation

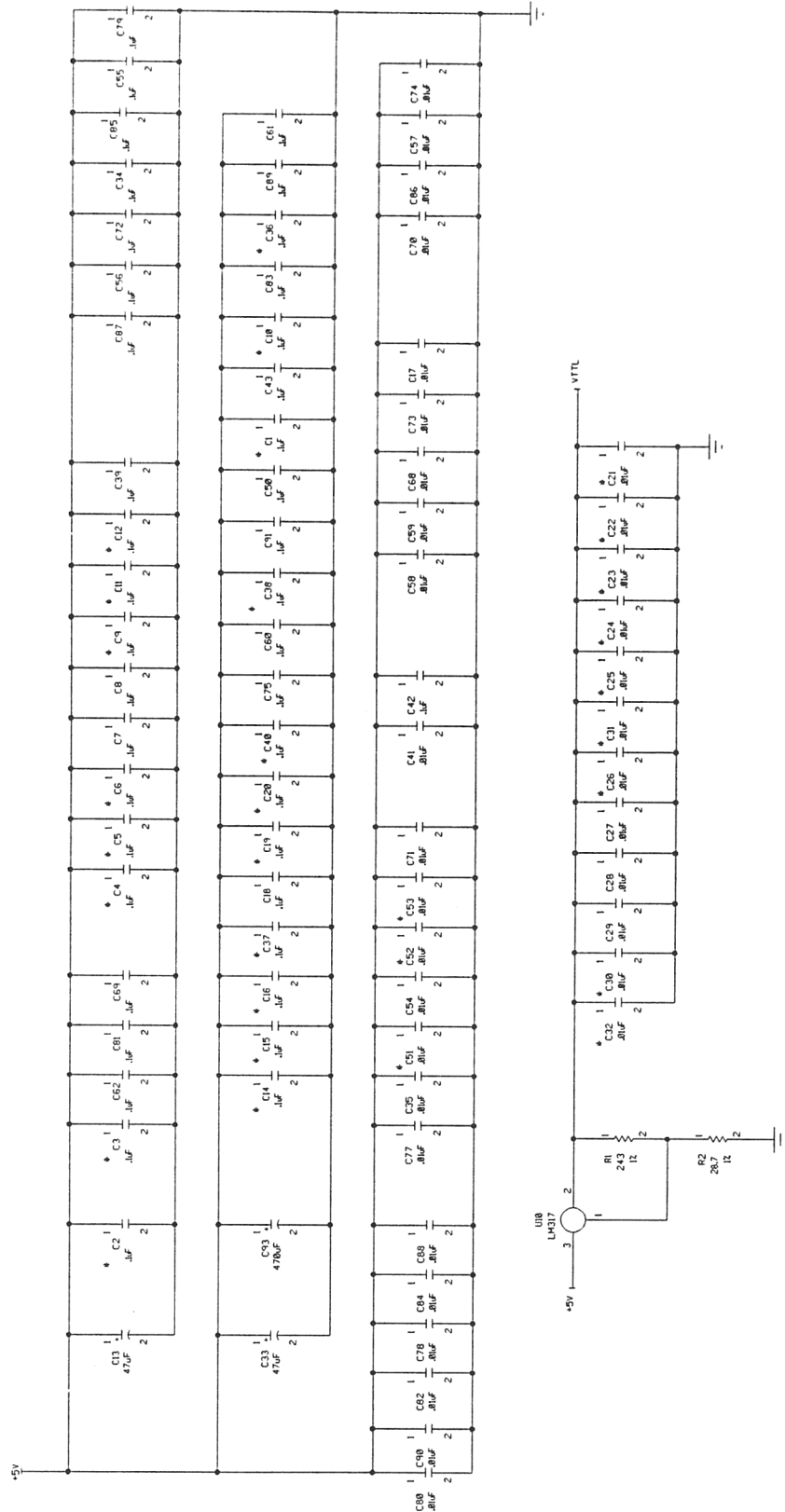
REVISION 0.01000
C. Murry 5-20-93

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



 VMIC Huntsville, Alabama 35893-3308 VME Microsystems International Corporation		SITE B		FORM NO. 08PH5		DWG. NO. 141-002540-000	
DRAWN D. O'DRISCOLL		SCALE NONE		SHEET 28		PROJECT C-245424-5-20-93	

BYPASS CAPACITORS



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

		SIZE B		FORM NO. 08PH5		Dwg. No. 141-002540-000	
VME Microsystems International Corporation Huntsville, Alabama 35893-1308				SCALE NONE		SHEET 29 OF 29	
DRAWN J. Muggs				CHECKED S-21-93			

NOTES:

1. FOR SCHEMATIC DIAGRAM SEE 141-002540-000.
2. FOR TEST PROCEDURE SEE 510-002540-000.

REVISION
STATUS
OF 332

REVISIONS

132	DESCRIPTION	DATE	APPROVED
A	RELEASE PER ECO 93-0345	5/25/93	D. W.
B	CHANGE PER ECO 93-0401	5/25/93	D. W.
C	CHANGE PER ECO 93-0445	6-21-93	D.W.

Italla



HUNTSVILLE, ALABAMA 35803-3308
VME MICROSYSTEMS INTERNATIONAL CORPORATION

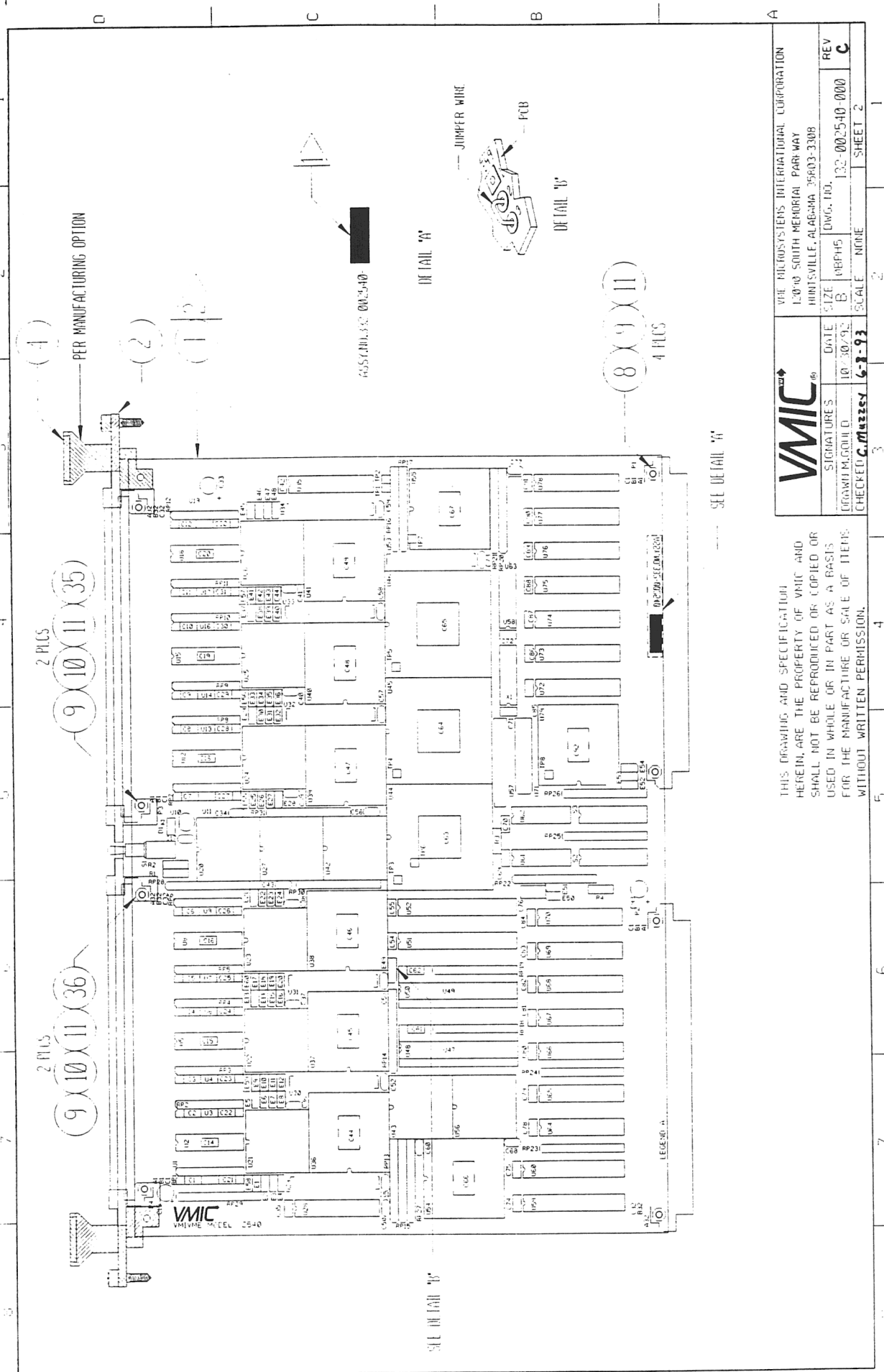
ASSEMBLY DRAWING
VMIVME-2540

SIGNATURES	DATE
DRAWN: E.M.GREEN	11/12/92
PROJ.ENG.:D.WHEELLOCK	11/13/92
ENG.MGR.:D.WHEELLOCK	11/13/92
PROD.: S.CROWSON	5/25/93
Q.A.: T.HERRING	5/25/93

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON:
2 PL. DECIMALS ±
3 PL. DECIMALS ±
ANGLES ±
FRACTIONS ±

THIS DRAWING AND SPECIFICATION
HEREIN 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.

SIZE	FSCM NO.	DWG NO.
A	OBPH5	132-002540-000
SCALE	NONE	SHEET 1 OF 12



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 332-002540-XXX (REV).
- B. THE REVISION LETTER(S) OF THE ASSEMBLY DRAWING SHALL BE STAMPED IN THE DESIGNATED AREA.
- C. REMOVE ANY EXISTING REVISION LETTER FROM THE 332 ASSEMBLED PART NUMBER.
- D. REMOVABLE NON-SMEARING INK SHALL BE USED TO STAMP REVISION LETTERS IN THE DESIGNATED AREA.

2

SOLDER COMPOSITION COMPLIES WITH MIL-STD-2000.

INSTRUCTIONS: REWORK

NOTES:

- 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 _____



HUNTSVILLE, AL 35803-3308
VME MICROSYSTEMS INTERNATIONAL CORP.

DRAWN: E.M. GREEN

CHECKED: C. Muzer 6-17-93

EFFECTIVITY: ECO 93-0445 (332-002540-000 REV. B AND EARLIER)

INSTRUCTIONS: REWORK

STEP 1

ITEM 15, U46, REPLACE 303-000915-000 WITH 303-000915-001,
AND REPLACE 2540-46A.POF WITH 2540-46B.JED.

STEP 2

ITEM 55, U12, REPLACE 331-305172-000 WITH 331-309129-000 (AM26LS31),

STEP 3

ITEM 111, (U2, U15, U18), REPLACE 331-305172-000 WITH 331-309129-000 (AM26LS31),

STEP 4

ITEM 130, (U2, U5, U8, U15, U18), REPLACE 331-305172-000 WITH 331-309129-000 (AM26LS31),



HUNTSVILLE, AL 35803-3308
VME MICROSYSTEMS INTERNATIONAL CORP.

DRAWN: E.M. GREEN

CHECKED: C. Murphree 6-17-93

SIZE
A

FSCM NO.
OBPH5

DWG NO.

132-002540-000

SCALE

SHEET
3A

OPT.		Q U A N T I T Y	I T E M #	VME MICROSYSTEMS INT'L CORP.	PARTS LIST		CODE	REV.	DRAWING NUMBER	CHECKED	SH NO.
					REFERENCE DESIGNATOR	PART NO.					
A	B	C									
			1		333-002540-000					C. Musters 6/8/93	4
			1		317-000107-000						
			3		DELETED						
			1		324-002540-100						
			5		DELETED						
			6		DELETED						
			7		DELETED						
			8	P1,2	328-250000-010				SCREW: METRIC, 2.5 X 10MM, SS		
			9	P1-4	328-250001-025				NUT: METRIC, 2.5MM, HEX, SS		
			10	P3,4	328-250000-012				SCREW: PAN HEAD, METRIC, 2.5 X 12MM, SS		
			A/R	REF. P1-4	316-000002-000				LOCTITE: SMALL SCREW THREADLOCKER 222		
			12		DELETED						
			13	U20,42	303-000913-000				PROGRAMMED PAL: FILE: 2540INTR.POF, A PROGRAMMED EPW5032LC-1 (331-300137-020)		
			14	U44	303-000914-000				PROGRAMMED PAL: FILE: 2540-44A.POF, A PROGRAMMED EP1810LC-20T (331-300139-200)		
			15	U46	303-000915-001				PROGRAMMED PAL: FILE: 2540-46B.JED, A PROGRAMMED EP1810LC-20T (331-300139-200)		
			16	U55	303-000916-000				PROGRAMMED PAL: FILE: 2540-55A.POF, A PROGRAMMED EPW5064JC-1 (331-300140-250)		

FO086-90

OPT.		Q U A N T I T Y	I T E M #	V M I C [®] VME MICROSYSTEMS INT'L CORP.	P A R T S L I S T		CODE	REV.	DRAWING NUMBER	CHECKED	SH NO.	
					REFERENCE DESIGNATOR	PART NO.						
A	B	C					OBPH5	C	132-002540-000	C. Muggers DATE 6/8/93	5	
							NOMENCLATURE OR DESCRIPTION					MANUFACTURER'S PART NO.
			1	17	U54	303-000917-000	PROGRAMMED PAL: FILE: 2540-54A.POF, A PROGRAMMED EPM7032LC-3 (331-300147-003)					
			1	18	U79	303-000918-000	PROGRAMMED PAL: FILE: 2540-79A.POF, A PROGRAMMED EPM7032LC-3 (331-300147-003)					
			1	19	U24	303-000919-000	PROGRAMMED PROM: FILE: 2540SGCM.POF, A PROGRAMMED EPM5032LC-1 (331-300137-020)					
			1	20	U47	303-000920-004	PROGRAMMED PROM: FILE: 2540FW13.MX, ODD, A PROGRAMMED 27C256 (331-309061-000)					
			1	21	U49	303-000920-003	PROGRAMMED PROM: FILE: 2540FW13.MX, EVEN, A PROGRAMMED 27C256 (331-309061-000)					
			14	22	C27,28,35,54,70,71, C74,78,80,82,84,86, C88,90	315-005002-103	CAP: .01uF, .300 LEAD SPACE, 10%, 50V, X7R, CERAMIC MOLDED					CW80C103KM (PHILLIPS)
			17	23	C7,8,18,42,55,61 C62,69,72,75,79,81 C83,85,87,89,91	315-005002-104	CAP: .1uF, .300 LEAD SPACE, 10%, 50V, X7R, CERAMIC MOLDED					CW80C104KM (PHILLIPS)
			5	24	C17,57,68,73,77	315-210000-103	CAP: .01uF, .100 LEAD SPACE, 10%, 100V, X7R, CERAMIC MONOLYTHIC					C315C103K1R5CA (KEMET)
			6	25	C34,39,43,50,56,60	315-210000-104	CAP: .1uF, .100 LEAD SPACE, 10%, 100V, X7R, CERAMIC MONOLYTHIC					C315C104K1R5CA (KEMET)
			1	26	C76	315-220002-471	CAP: 470PF, .200 LEAD SPACE, 10%, 200V, NPO, CERAMIC MONOLYTHIC					C3(17,22,23)C471K2G5CA (KEMET)
			3	27	C63-65	315-900000-000	CAP: FIXED, MICRODECOUPLING, .6" X .6", 25V, .050uF					503AHL (ROGERS)
			1	28	C93	315-901000-477	CAP: 470uF, 20%, 10V, PVC INSULATED SLEEVE, ALUMINUM					678D477M010CG4D (SPRAGUE)
			2	29	C13,33	315-902001-476	CAP: 47uF, 20%, 35V, RADIAL, ALUMINUM ELECTRO-LYTIC					ECEA1VU470 (PANASONIC)

OPT.		Q U A N T I T Y	I T E M #	P A R T S L I S T		CODE	REV.	DRAWING NUMBER	CHECKED	SH NO.	
				REFERENCE DESIGNATOR	PART NO.						
	A B C			VME MICROSYSTEMS INT'L CORP.		OBPH5	C	132-002540-000	C. Muthers DATE 6/8/93		
						NOMENCLATURE OR DESCRIPTION					
			45	U62	331-300432-400	IC: DIGITAL, QUAD 2-INPUT OR GATE, PLASTIC DIP					
			46	U58	331-300438-400	IC: DIGITAL, QUAD 2-INPUT NAND BUFFER, PLASTIC DIP					
			47	U73,76	331-304244-900	IC: DIGITAL, OCTAL BUFFER/LINE DRIVER 3-STATE, NON-INVERTING, PLASTIC DIP					
			48	U53	331-304245-703	IC: DIGITAL, OCTAL BIDIRECTIONAL TRANSCEIVER, TRI-STATE, ZIP PACKAGE					
			49	U28,35	331-304373-100	IC: DIGITAL, OCTAL TRANSPARENT LATCH, PLASTIC DIP					
			50	U32,57,63	331-304374-823	IC: DIGITAL, OCTAL FLIP-FLOP D-TYPE, TRI-STATE, ZIP PACKAGE					
			51	U68,74,75	331-304521-400	IC: DIGITAL, 8 BIT COMPARATOR, FAST, PLASTIC DIP					
			52	U72	331-304641-200	IC: DIGITAL, OCTAL BUS TRANSCEIVER, PLASTIC DIP					
			53	U64-67,69,70,77,78	331-304645-200	IC: DIGITAL, OCTAL BUS TRANSCEIVER, PLASTIC DIP					
			54	U59,60	331-304652-100	IC: DIGITAL, OCTAL BUS TRANSCEIVER/REGISTER, PLASTIC DIP					
			55	U12	331-309129-000	IC: QUAD DIFFERENTIAL LINE DRIVER, 16 PIN DIP					
			56	U11,13	331-309003-002	IC: INTERFACE, 5Vcc, 1000mW, 8mA, -440uA, 0 TO 70 DEGREES, PLASTIC DIP					
			57	U48,50-52	331-309097-400	IC: MEMORY, 32K X 8-BIT, 45ns, 28-PIN .300 CENTERS					
			58	U45	331-309098-403	IC: MICROPROCESSOR, CMOS, 16MHZ, QUAD PACK					
			59	U39	331-309113-001	IC: SYSTEM TIMING CONTROLLER, 9513A SERIES 5V +- 5% SUPPLY VOLTAGE,					

OPT.		Q U A N T I T Y		I T E M #		VMIC[®] VME MICROSYSTEMS INT'L CORP.		PARTS LIST		CODE	REV.	DRAWING NUMBER	CHECKED	SH NO.
A	B	C						REFERENCE DESIGNATOR	PART NO.	OBPH5	C	132-002540-000	DATE	8
												MANUFACTURER'S PART NO.		
			1		60	U10			331-309118-001			IC: VOLTAGE REGULATOR, LOW-CURRENT THREE-TERMINAL ADJUSTABLE POSITIVE	LM317LZ	(NATIONAL SEMI)
			1		61	D1			337-000001-110			DIODE: LED, RED, 5V, 15mA, INTEGRAL RESISTOR, WIRE LEADS	558-0102-003	(DIALIGHT)
			1		62	R3			347-000000-161			RESISTOR: 160 OHM, 1/4W, 5%, CARBON FILM		
			1		63	R4			347-000000-202			RESISTOR: 2K OHM, 1/4W, 5%, CARBON FILM		
			1		64	R2			347-000004-287			RESISTOR: 28.7 OHM, 1/4W, 1%, METAL FILM		
			1		65	R1			347-000005-243			RESISTOR: 243 OHM, 1/4W, 1%, METAL FILM		
			15		66	RP13-26,31			347-001002-103			SIP: 10K OHM, BUSSED, 10 PIN, LOW PROFILE	4610X-101-103	(BOURNS)
			2		67	RP7,8			347-001004-121			SIP: 120 OHM, ISOLATED, 8 PIN, LOW PROFILE	4608X-102-121	(BOURNS)
			2		68	S2,3			351-000000-080			SWITCH: DIP, 8 POSITION, LOW PROFILE, PC MOUNT, TAPE SEAL	ADF-08PCT	(AUGAT)
			1		69	S1			351-000006-000			SWITCH: PUSHBUTTON, SPDT, RIGHT ANGLE	EP12-D1-AV-B-E	(C&K)
					70									
					71									
					72									
					73									
0	B	C	2		74	E50,51			321-000003-002			JUMPER: WIRE, 22 AWG, .2 INCHES, RED	923345-02	(AP PRODUCTS)
0	B	C	4		75	RP27-30			347-001002-103			SIP: 10K OHM, BUSSED, 10 PIN, LOW PROFILE	4610X-101-103	(BOURNS)
					76									

OPT.		Q U A N T I T Y	I T E M #	V M I C [®] VME MICROSYSTEMS INT'L CORP.		PARTS LIST		CODE OBPH5	REV. C	DRAWING NUMBER 132-002540-000	CHECKED <i>C. Mueffler</i> DATE 6/8/93	SH NO. 9
				REFERENCE DESIGNATOR	PART NO.	NOMENCLATURE OR DESCRIPTION						
1	B C	1	77	U27	303-000913-000	PROGRAMMED PAL: FILE: 2540INTR.POF, A PROGRAMMED EPM5032LC-1 (331-300137-020)						
1	B C	1	78	U25	303-000919-000	PROGRAMMED PROM: FILE: 2540SGCM.POF, A PROGRAMMED EPM5032LC-1 (331-300137-020)						
1	B C	2	79	C29,30	315-005002-103	CAP: .01uF, .300 LEAD SPACE, 10%, 50V, X7R, CERAMIC MOLDED						CW80C103KM (PHILLIPS)
1	B C	3	80	C9,10,19	315-005002-104	CAP: .1uF, .300 LEAD SPACE, 10%, 50V, X7R, CERAMIC MOLDED						CW80C104KM (PHILLIPS)
1	B C	1	81	C58	315-210000-103	CAP: .01uF, .100 LEAD SPACE, 10%, 100V, X7R, CERAMIC MONOLYTHIC						C315C103K1R5CA (KEMET)
1	B C	1	82	C40	315-210000-104	CAP: .1uF, .100 LEAD SPACE, 10%, 100V, X7R, CERAMIC MONOLYTHIC						C315C104K1R5CA (KEMET)
1	B C	1	83	C48	315-905002-000	CAP: FIXED, .011uF, 50V, 3.5%, 4 PIN						113ARL (ROGERS)
1	B C	1	84	E51	321-000003-002	JUMPER: WIRE, 22 AWG, .2 INCHES, RED						923345-02 (AP PRODUCTS)
1	B C	6	85	U14-16	321-000007-002	SOCKET: IC, BREAKAWAY STRIP, 10 CONTACTS, TIN/GOLD						3852010-02 (MUPAC)
1	B C	4	86	E33-40	321-000015-001	JUMPER: PC BOARD, 2 POSITION, FEMALE, GOLD PLATED CONTACT, BLACK						MSB-2360-G-C-STP (McKENZIE)
1	B C	8	87	E33-40	321-000017-011	TERMINAL: PC BOARD, DUAL ROW, .025 THICK, GOLD PLATED, ONE POST						PEG02DS-(T,F)BR (CRANE)
1	B C	2	88	U25,27	321-000062-028	CARRIER: CHIP, 28 PIN PLCC						821581-1 (PREFERRED) (AMP)
1	B C	1	89	U40	321-000062-044	CARRIER: CHIP, 44 PIN PLCC						821575-1 (PREFERRED) (AMP)
1	B C	1	90	U33	331-304374-823	IC: DIGITAL, OCTAL FLIP-FLOP D-TYPE, TRI-STATE, ZIP PACKAGE						QS74FCT374TAZ (QUALITY SEMI)
1	B C	1	91	U15	331-309129-000	IC: QUAD DIFFERENTIAL LINE DRIVER, 16 PIN DIP						DS26LS31C(N,J) (NATIONAL)

F0086-90

OPT.		Q U A N T I T Y	I T E M #	V M I C [®] VME MICROSYSTEMS INT'L CORP.		PARTS LIST		CODE	REV.	DRAWING NUMBER		CHECKED	SH NO.
A	B			REFERENCE DESIGNATOR	PART NO.								
1	B	C	2	U14, 16	331-309003-002			OBPH5	C	132-002540-000		DATE 6/8/93	10
1	B	C	1	U40	331-309113-001			NOMENCLATURE OR DESCRIPTION					
1	B	C	2	RP9, 10	347-001004-121			IC: INTERFACE, 5Vcc, 1000nm, 8mA, -440uA, 0 TO 70 DEGREES, PLASTIC DIP					
1	B	C	4	RP27-30	347-001002-103			IC: SYSTEM TIMING CONTROLLER, 9513A SERIES 5V +- 5% SUPPLY VOLTAGE,					
			96					SIP: 120 OHM, ISOLATED, 8 PIN, LOW PROFILE					
2	B	C	2	U27, 43	303-000913-000			SIP: 10K OHM, BUSSED, 10 PIN, LOW PROFILE					
2	B	C	3	U21, 25, 26	303-000919-000			PROGRAMMED PAL: FILE: 2540INTR.POF, A PROGRAMMED EPMS032LC-1 (331-300137-020)					
2	B	C	6	C21, 22, 29-32	315-005002-103			PROGRAMMED PROM: FILE: 2540SGCM.POF, A PROGRAMMED EPMS032LC-1 (331-300137-020)					
2	B	C	9	C1, 2, 9-12, 14, 19, 20	315-005002-104			CAP: .01uF, .300 LEAD SPACE, 10%, 50V, X7R, CERAMIC MOLDED					
2	B	C	5	C36, 41, 51, 58, 59	315-210000-103			CAP: .01uF, .300 LEAD SPACE, 10%, 50V, X7R, CERAMIC MOLDED					
2	B	C	1	C40	315-210000-104			CAP: .01uF, .100 LEAD SPACE, 10%, 100V, X7R, CERAMIC MONOLYTHIC					
2	B	C	3	C44, 48, 49	315-905002-000			CAP: .01uF, .100 LEAD SPACE, 10%, 100V, X7R, CERAMIC MONOLYTHIC					
2	B	C	1	E50	321-000003-002			CAP: FIXED, .011uF, 50V, 3.5%, 4 PIN					
2	B	C	18	U1-3, 14-19	321-000007-002			JUMPER: WIRE, 22 AWG, .2 INCHES, RED					
2	B	C	12	E1-8, 33-48	321-000015-001			SOCKET: IC, BREAKAWAY STRIP, 10 CONTACTS, TIN/GOLD					
								JUMPER: PC BOARD, 2 POSITION, FEMALE, GOLD PLATED CONTACT, BLACK					

OPT.		Q U A N T I T Y	I T E M #	VAMIC [®] VME MICROSYSTEMS INT'L CORP.	PARTS LIST		CODE OBPH5	REV. C	DRAWING NUMBER 132-002540-000	CHECKED C. Mungar	SH NO. 11
					REFERENCE DESIGNATOR	PART NO.					
A	B C									MANUFACTURER'S PART NO.	
2	B C	24	107	E1-8,33-48	321-000017-011	TERMINAL: PC BOARD, DUAL ROW, .025 THICK, GOLD PLATED, ONE POST				PEG02DS-(T,F)BR (CRANE)	
2	B C	5	108	U21,25-27,43	321-000062-028	CARRIER: CHIP, 28 PIN PLCC				821581-1 (PREFERRED) (AMP)	
2	B C	3	109	U36,40,41	321-000062-044	CARRIER: CHIP, 44 PIN PLCC				821575-1 (PREFERRED) (AMP)	
2	B C	3	110	U29,33,34	331-304374-823	IC: DIGITAL, OCTAL FLIP-FLOP D-TYPE, TRI-STATE, ZIP PACKAGE				QS74FCT374TAZ (QUALITY SEMI)	
2	B C	3	111	U2,15,18	331-309129-000	IC: QUAD DIFFERENTIAL LINE DRIVER, 16 PIN DIP				DS26LS31C(N,J) (NATIONAL)	
2	B C	6	112	U1,3,14,16,17,19	331-309003-002	IC: INTERFACE, 5Vcc, 1000mH, 8mA, -440uA, 0 TO 70 DEGREES, PLASTIC DIP				AM26LS33ACN (TI)	
2	B C	3	113	U36,40,41	331-309113-001	IC: SYSTEM TIMING CONTROLLER, 9513A SERIES 5V +/- 5% SUPPLY VOLTAGE,				AM9513AJC (AMD)	
2	B C	6	114	RP1,2,9-12	347-001004-121	SIP: 120 OHM, ISOLATED, 8 PIN, LOW PROFILE				4608X-102-121 (BOURNS)	
2	B C	4	115	RP27-30	347-001002-103	SIP: 10K OHM, BUSSED, 10 PIN, LOW PROFILE				4610X-101-103 (BOURNS)	
			116								
3	B C	3	117	U27,43,56	303-000913-000	PROGRAMMED PAL: FILE: 2540INTR.POF, A PROGRAMMED EPM5032LC-1 (331-300137-020)					
3	B C	5	118	U21-23,25,26	303-000919-000	PROGRAMMED PROM: FILE: 2540SGCM.POF, A PROGRAMMED EPM5032LC-1 (331-300137-020)					
3	B C	12	119	C21-26,29-32	315-005002-103	CAP: .01uF, .300 LEAD SPACE, 10%, 50V, X7R, CERAMIC MOLDED				CW80C103KM (PHILLIPS)	
3	B C	15	120	C1-6,9-12,14-16,19, C20	315-005002-104	CAP: .1uF, .300 LEAD SPACE, 10%, 50V, X7R, CERAMIC MOLDED				CW80C104KM (PHILLIPS)	
3	B C	7	121	C36,41,51-53,58,59	315-210000-103	CAP: .01uF, .100 LEAD SPACE, 10%, 100V, X7R, CERAMIC MONOLYTHIC				C315C103K1R5CA (KEMET)	

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OPT.		Q U A N T I T Y	I T E M #	PARTS LIST		CODE	REV.	DRAWING NUMBER	CHECKED	SH NO.	
				REFERENCE DESIGNATOR	PART NO.						OBPH5
				VME MICROSYSTEMS INT'L CORP.		C. Murphy					12
A B C		MANUFACTURER'S PART NO.									
3	B	C	122	C37,38,40	315-210000-104	CAP: .1uF, .100 LEAD SPACE, 10%, 100V, X7R, CERAMIC MONOLITHIC			C315C104K1R5CA	(KEMET)	
3	B	C	123	C44-46,48,49	315-905002-000	CAP: FIXED, .011uF, 50V, 3.5%, 4 PIN			113ARL	(ROGERS)	
3	B	C	124	U1-9,14-19	321-000007-002	SOCKET: IC, BREAKAWAY STRIP, 10 CONTACTS, TIN/GOLD			3852010-02	(MUPAC)	
3	B	C	125	E1-24,33-48	321-000015-001	JUMPER: PC BOARD, 2 POSITION, FEMALE, GOLD PLATED CONTACT, BLACK			MSB-2360-G-C-STP	(MCKENZIE)	
3	B	C	126	E1-24,33-48	321-000017-011	TERMINAL: PC BOARD, DUAL ROW, .025 THICK, GOLD PLATED, ONE POST			PEG02DS-(T,F)BR	(CRANE)	
3	B	C	127	U21-23,25-27,43,56	321-000062-028	CARRIER: CHIP, 28 PIN PLCC			821581-1 (PREFERRED)	(AMP)	
3	B	C	128	U36-38,40,41	321-000062-044	CARRIER: CHIP, 44 PIN PLCC			821575-1 (PREFERRED)	(AMP)	
3	B	C	129	U29-31,33,34	331-304374-823	IC: DIGITAL, OCTAL FLIP-FLOP D-TYPE, TRI-STATE, ZIP PACKAGE			QS74FCT374TAZ	(QUALITY SEMI)	
3	B	C	130	U2,5,8,15,18	331-309129-000	IC: QUAD DIFFERENTIAL LINE DRIVER, 16 PIN DIP			DS26LS31C(N,J)	(NATIONAL)	
3	B	C	131	U1,3,4,6,7,9,14,16, U17,19	331-309003-002	IC: INTERFACE, 5Vcc, 1000mW, 8mA, -440uA, 0 TO 70 DEGREES, PLASTIC DIP			AM26LS33ACN	(TI)	
3	B	C	132	U36-38,40,41	331-309113-001	IC: SYSTEM TIMING CONTROLLER, 9513A SERIES 5V +- 5% SUPPLY VOLTAGE,			AM9513AJC	(AMD)	
3	B	C	133	RP1-6,9-12	347-001004-121	SIP: 120 OHM, ISOLATED, 8 PIN, LOW PROFILE			4608X-102-121	(BOURNS)	

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