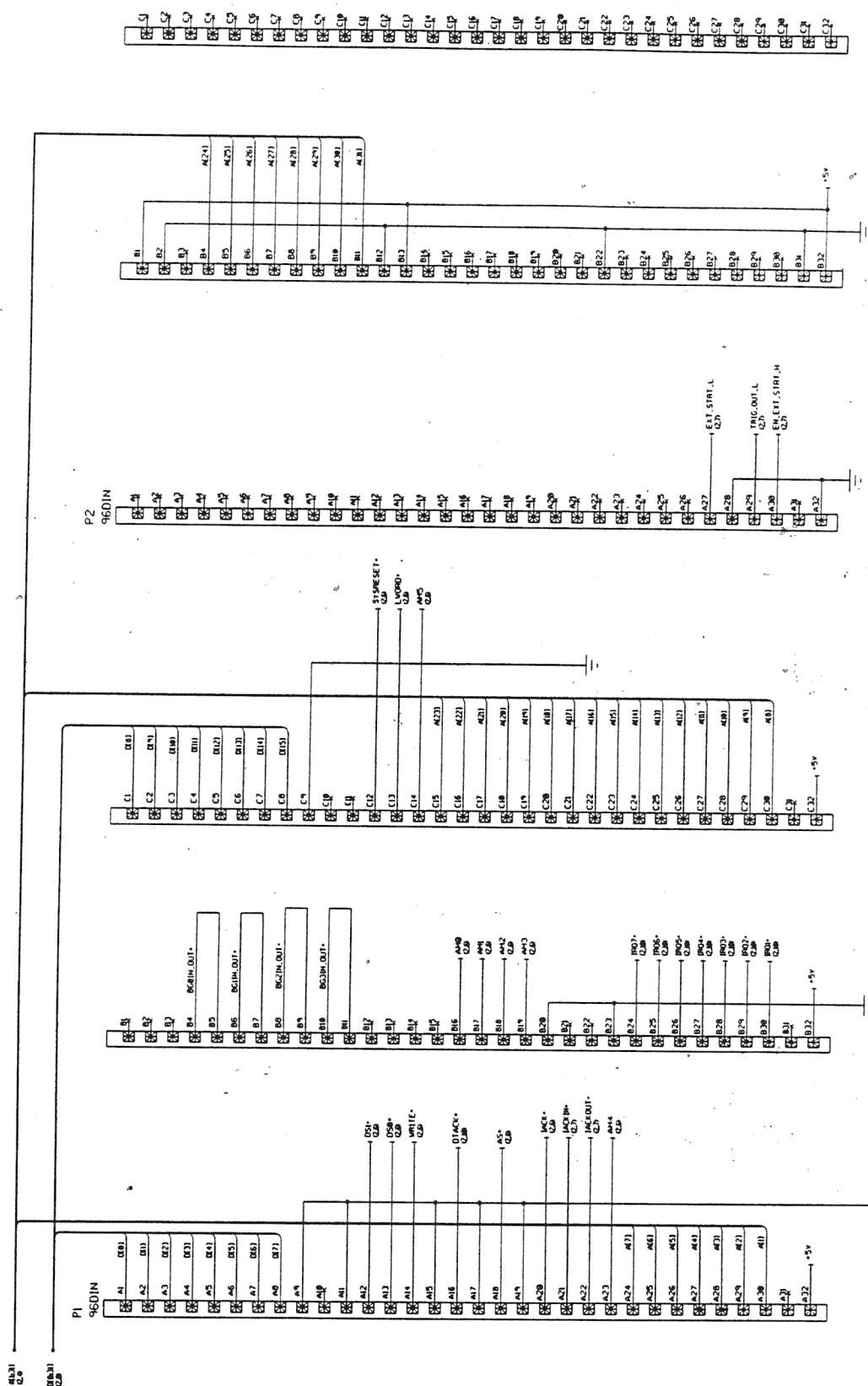


REVISIONS			
REV	DESCRIPTION	DATE	APPROVAL
A	RELEASE PER ECO 94-0118	4/11/94	73-07
B	CHANGE PER ECO 94-0119	4/11/94	73-07
C	CHANGES PER ECO 94-0176	4/11/94	73-07

NOTES:

- ALL RESISTOR VALUES ARE IN OHMS.
- UNLESS OTHERWISE SPECIFIED:
 - ALL RESISTORS ARE 1/4 WATT, 0.25.
 - ALL CAPACITOR VALUES ARE SHOWN IN MICROFARADS

VMIC Huntsville, Alabama 35893-3388 VPE Microsystems International Corporation	
DATE: 12/23/92 DRAWN: E.A. GREEN ROUTED: T. MCLEOD CHECKED: R. KELSOE BY: <i>[Signature]</i> DATE: 4-12-94 BY: <i>[Signature]</i>	TITLE: VMVME - 3122 SCHEMATIC SIZE: B SCALE: NONE SHEET: 1



VMIC Huntsville, Alabama 35883-3388 VME Microsystems International Corporation 50000		B	08PH5	ONE INCH
EX-1000-1 C-M-1000-1		4-7-94	NONE	PART 2

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VMIC

Huntsville, Alabama 35893-3388
VME Microsystems International Corporation

08PH5

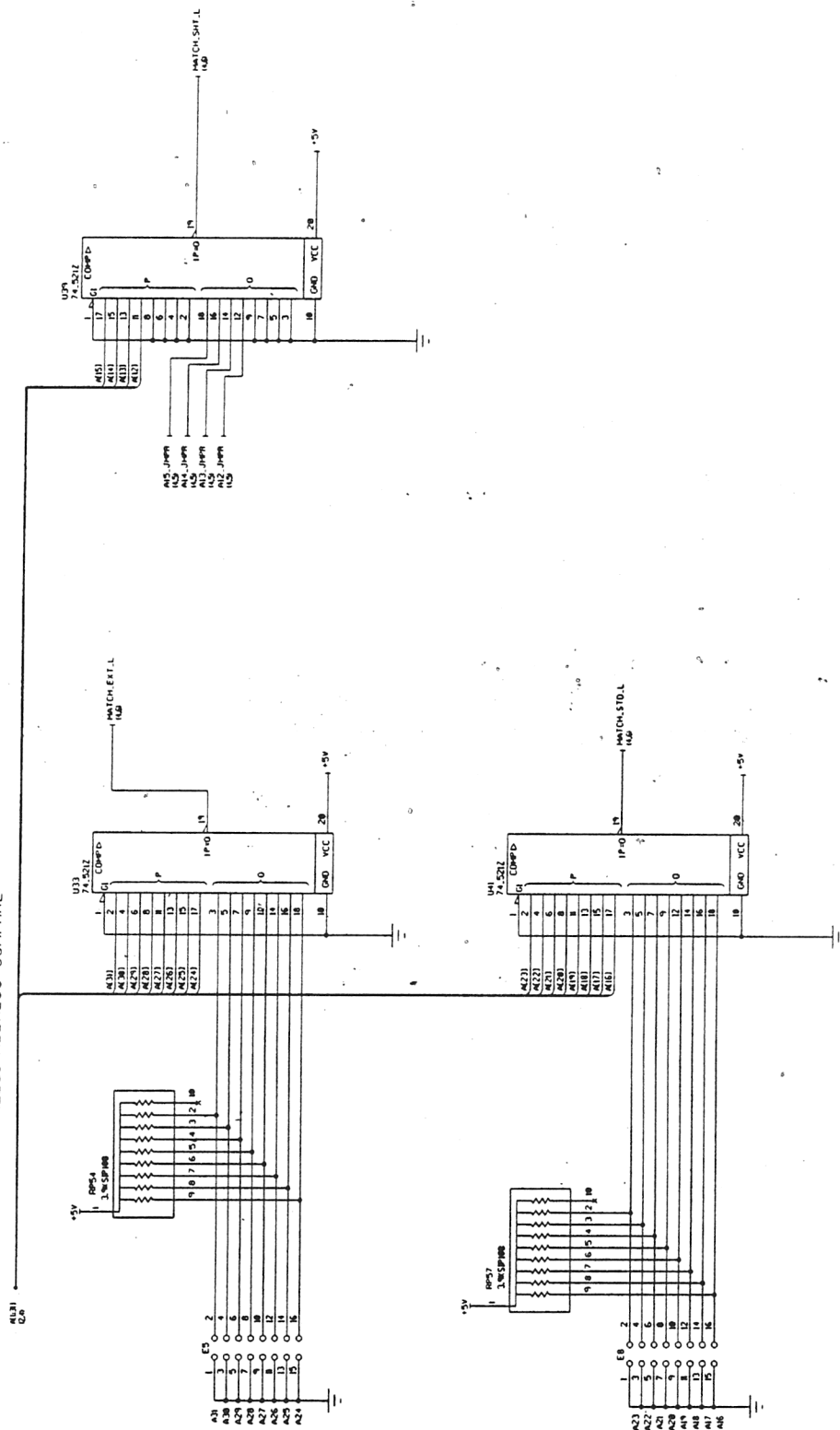
141-003122-000

4-7-94

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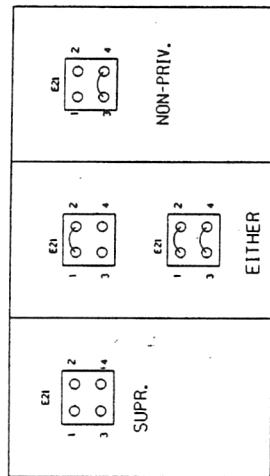
SHEET 3

VMEbus ADDRESS COMPARE

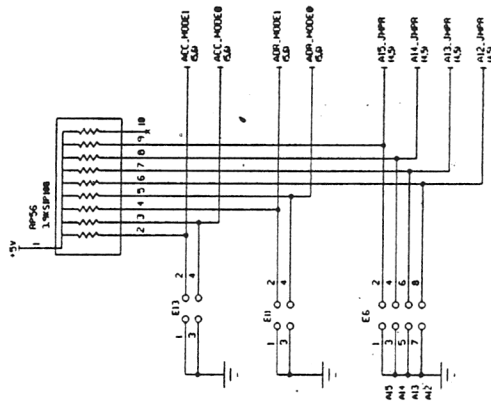
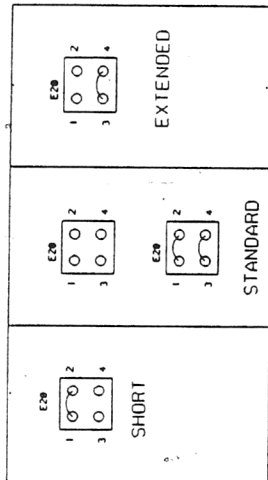


VMIC Huntsville, Alabama 35893-3388 VME Microsystems International Corporation		REZ B	FROM NL 08PH5	DND NL 141-003122-000
DESIG C. M. W. 4-7-84		SCALE NONE	SHEET 4	

ACCESS MODE CONFIGURATION



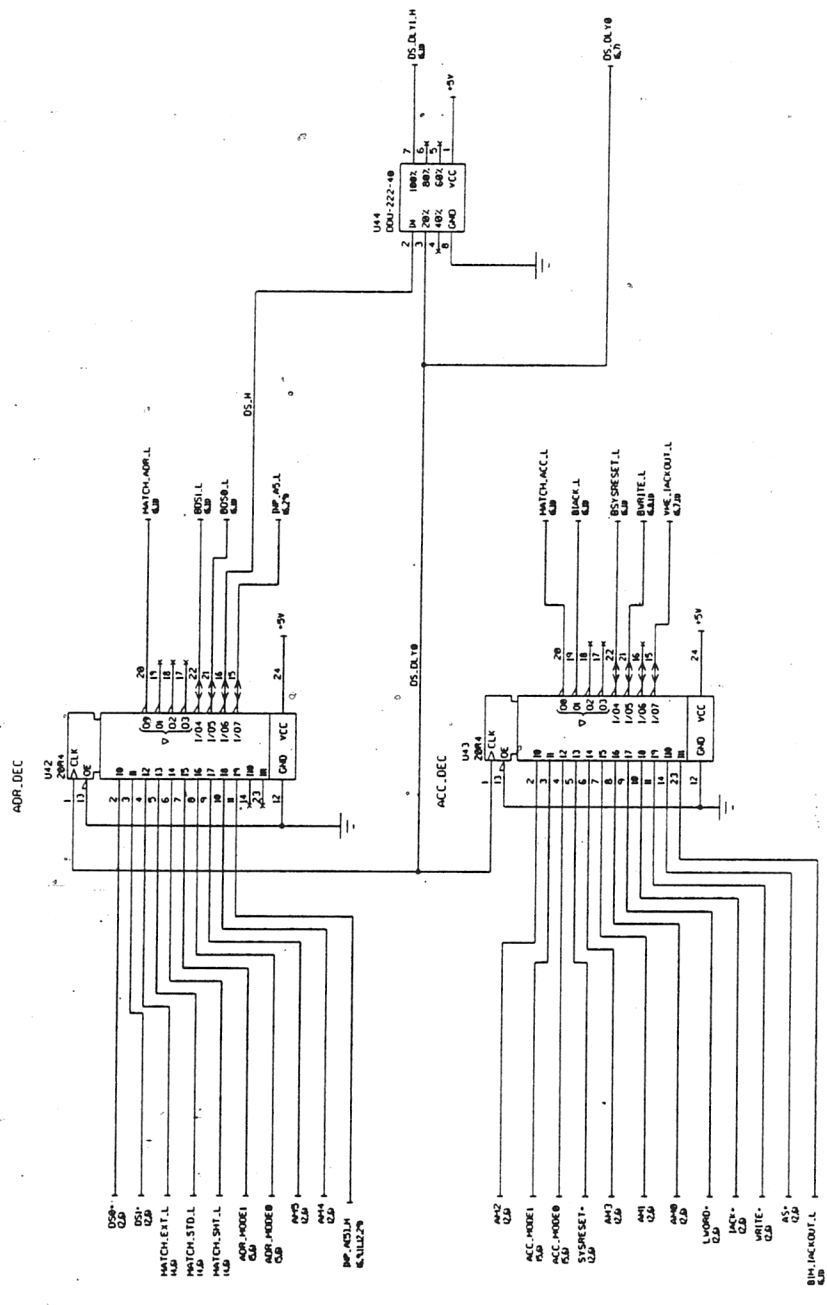
ADDRESS MODE CONFIGURATION



ADDRESS AND ACCESS MODE CONFIGURATION

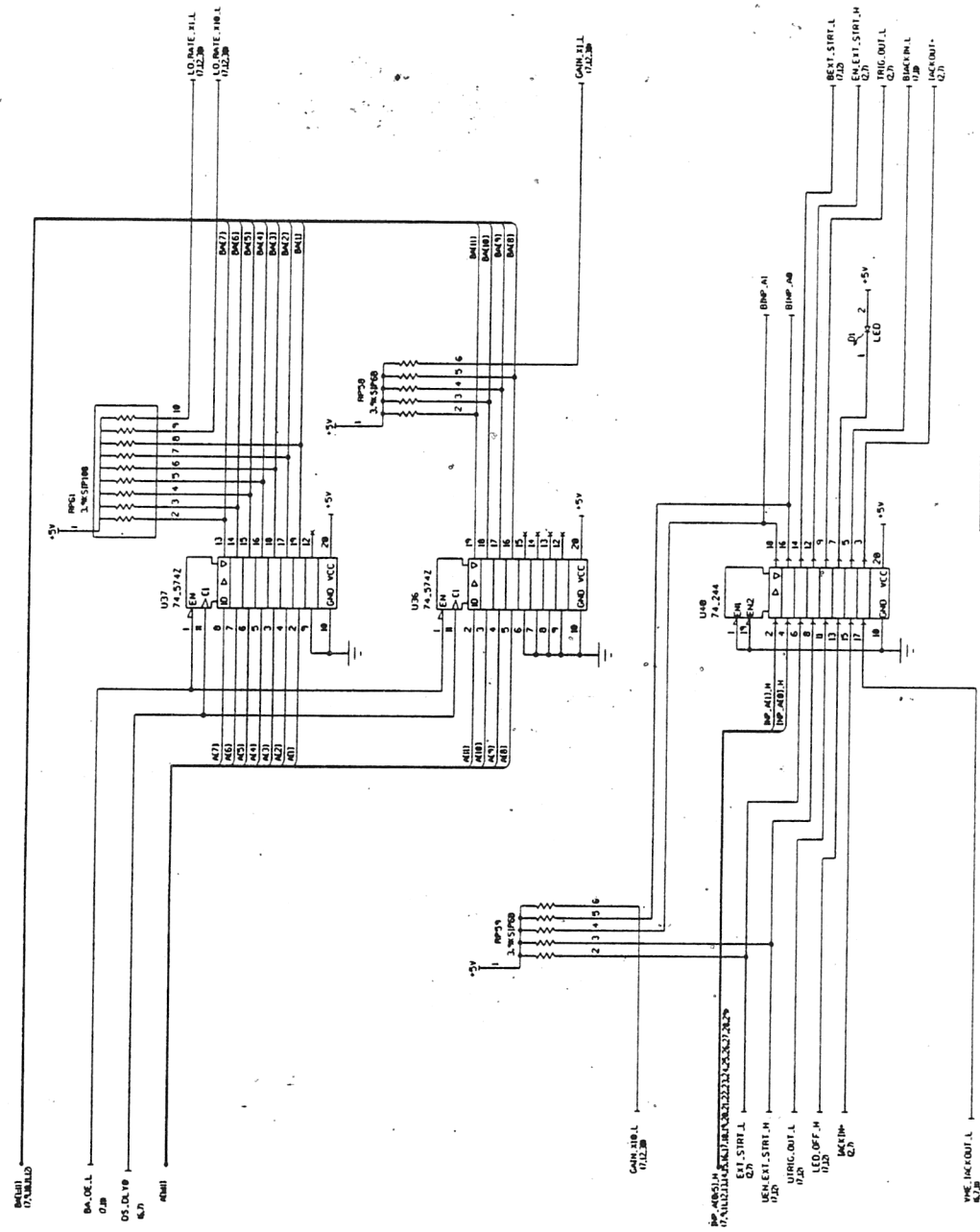
VMIC Huntsville, Alabama 35893-3388 VNE Microsystems International Corporation 3388 E.H. GREEN	SIZE B	FORM NO. 08PH5	DATE REC. 141-003122-000
PROJECTS C-M-4474	SCALE NONE	SHEET 5	

ADDRESS DECODE



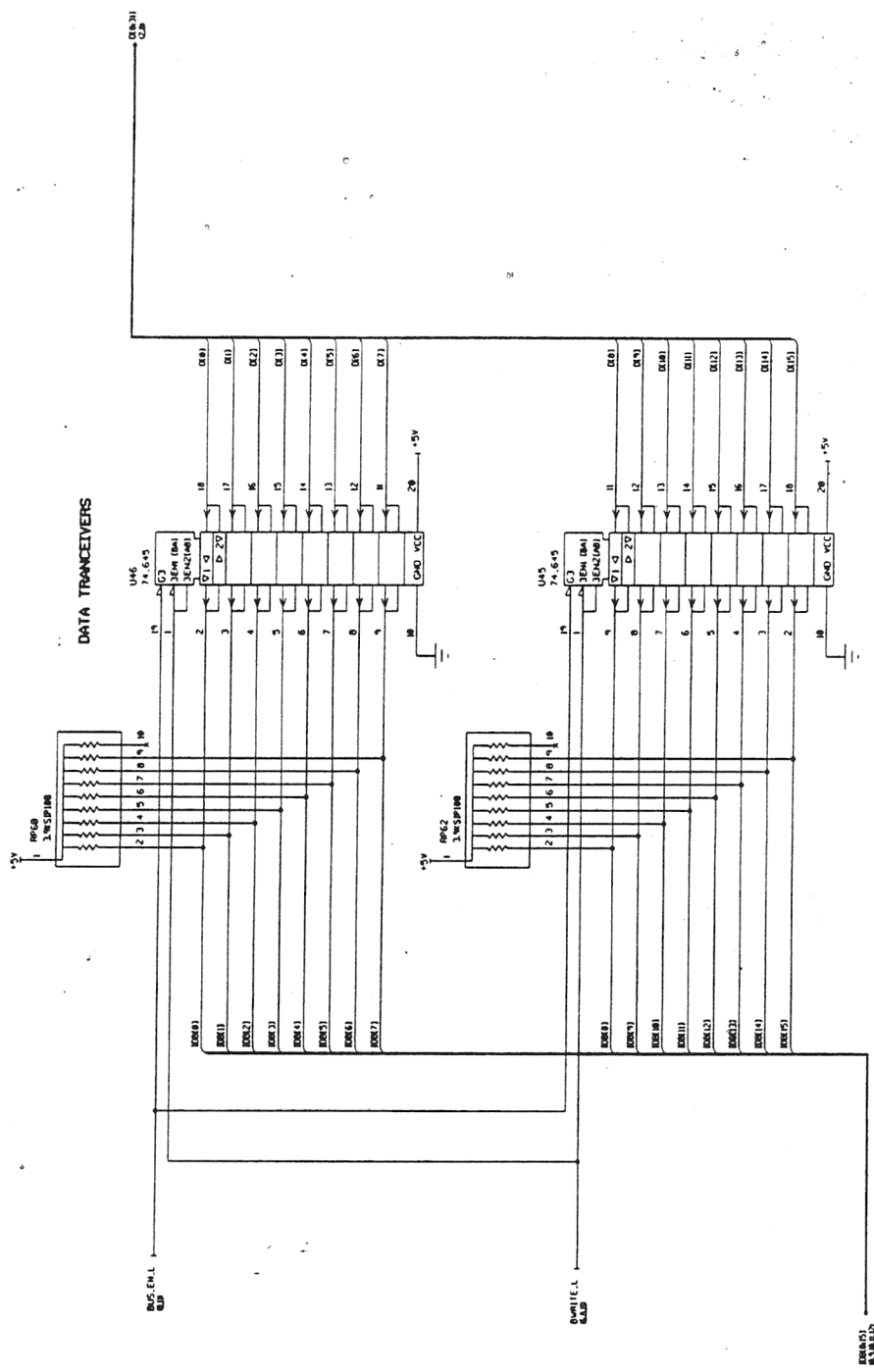
ACCESS DECODE

VMIC Huntsville, Alabama 35893-3388 THE Microsystems International Corporation		FORM NO.	08PH5	REV.	141-003122-000
DATE	4-7-94	SCALE	NONE	SHEET	6

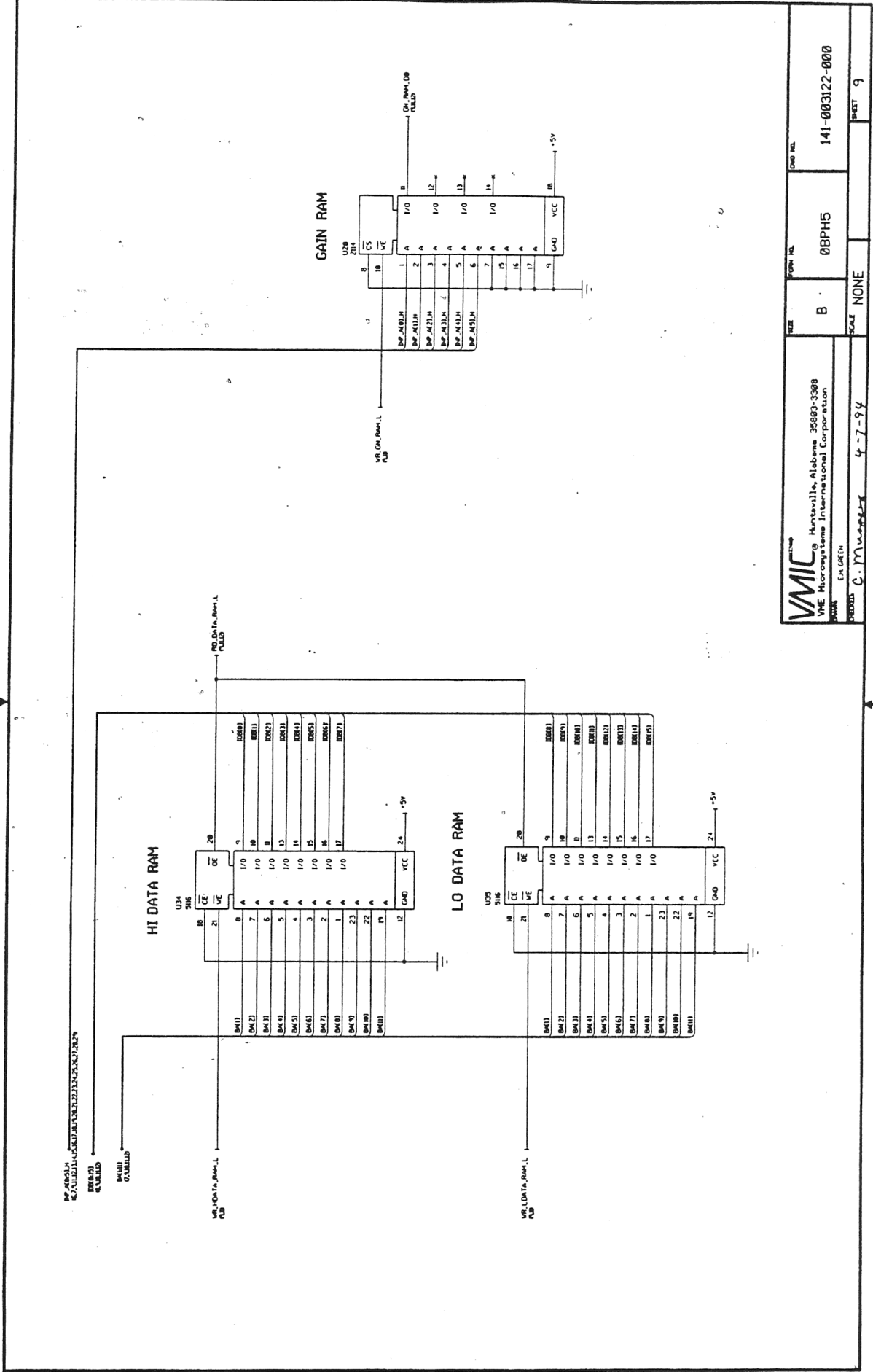


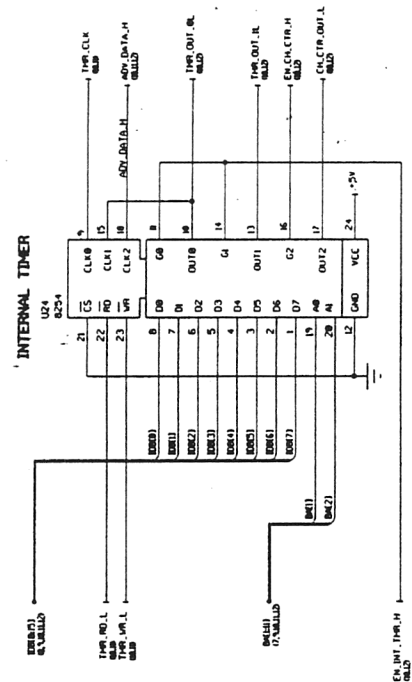
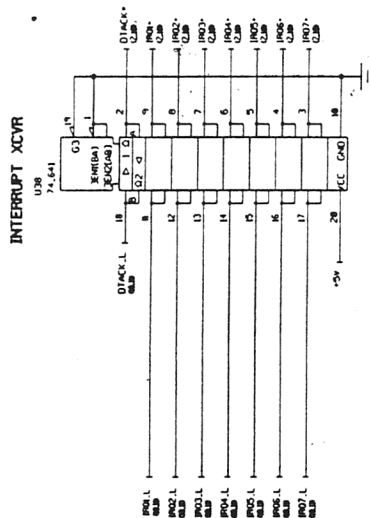
VMIC
Huntsville, Alabama 35893-3308
VME Microsystems International Corporation
E.H. GREEN

SIZE	FORM NO.	QWID NO.
B	08PH5	141-003122-000
SCALE	NONE	SHEET 7
REV	4-7-94	

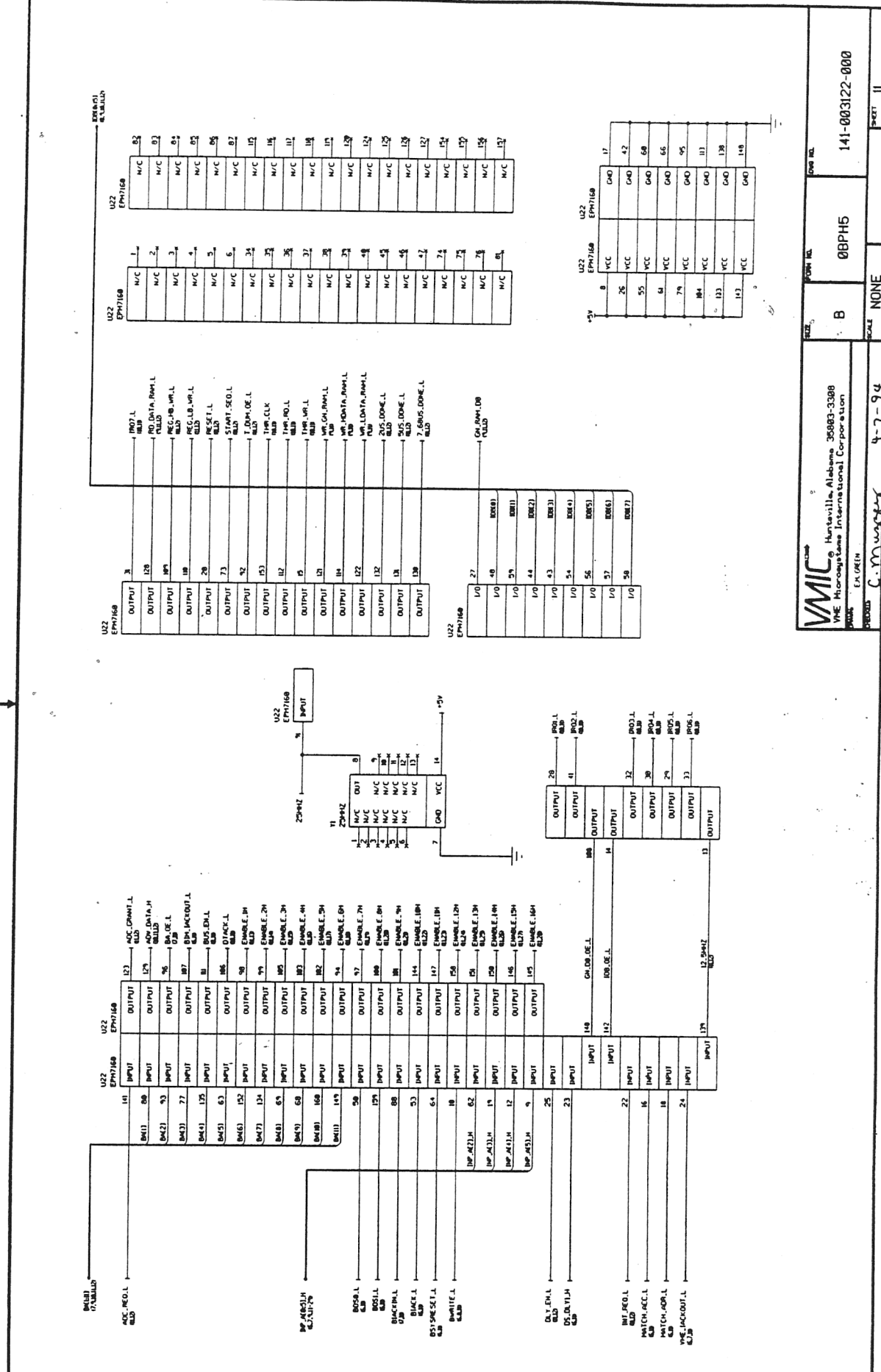


VMI Huntsville, Alabama 35893-1308 VME Microsystems International Corporation		SIZE B	FORM NO. 00PH5	SHEET NO. 141-003122-000
DRAWN LK GLEN		SCALE NONE		SHEET 8
CHECKED C. MURPHY		DATE 4-7-94		

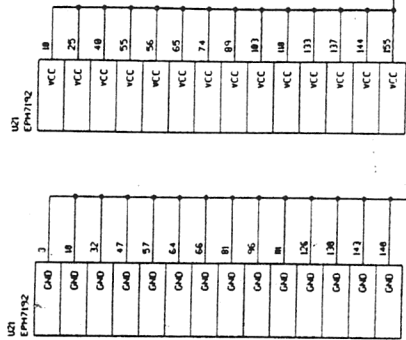


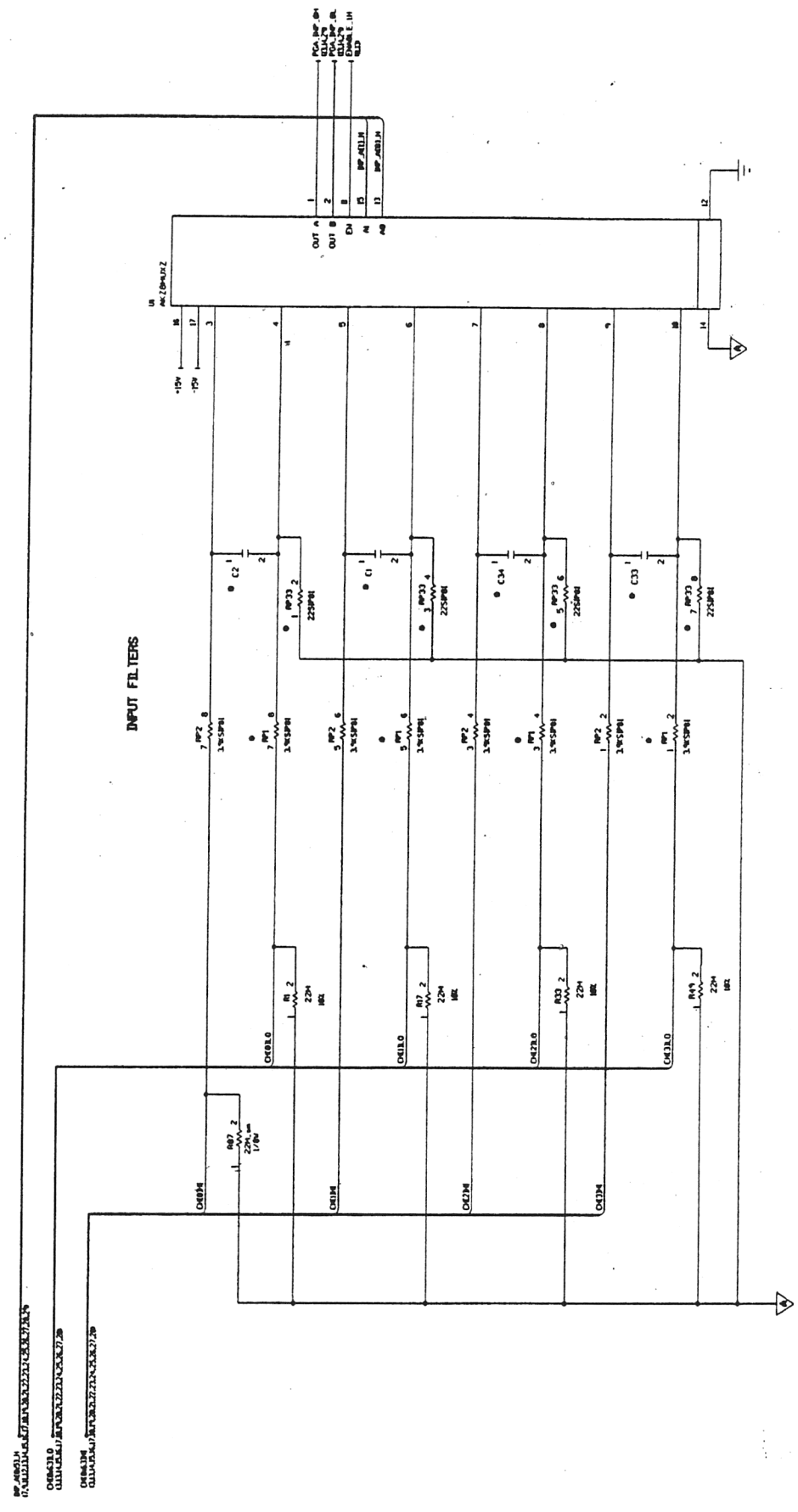


VMIC Huntsville, Alabama 35893-3388 VME Microsystems International Corporation		SIZE B	FORM NO. 08PH5	DRAW NO. 141-003122-000
CHECKED C. M. M.		SCALE NONE	SHEET 10	



		Huntsville, Alabama 35893-3388 VME Microsystems International Corporation EX-100	
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4-7-94		C. M. M.	II

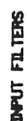
5 (16) NATIONAL MUSIC PAPER SHEET NUMBER 13 DATE 06-7-1994



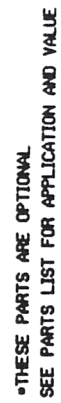
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*THESE PARTS ARE OPTIONAL
SEE PARTS LIST FOR APPLICATION AND VALUE

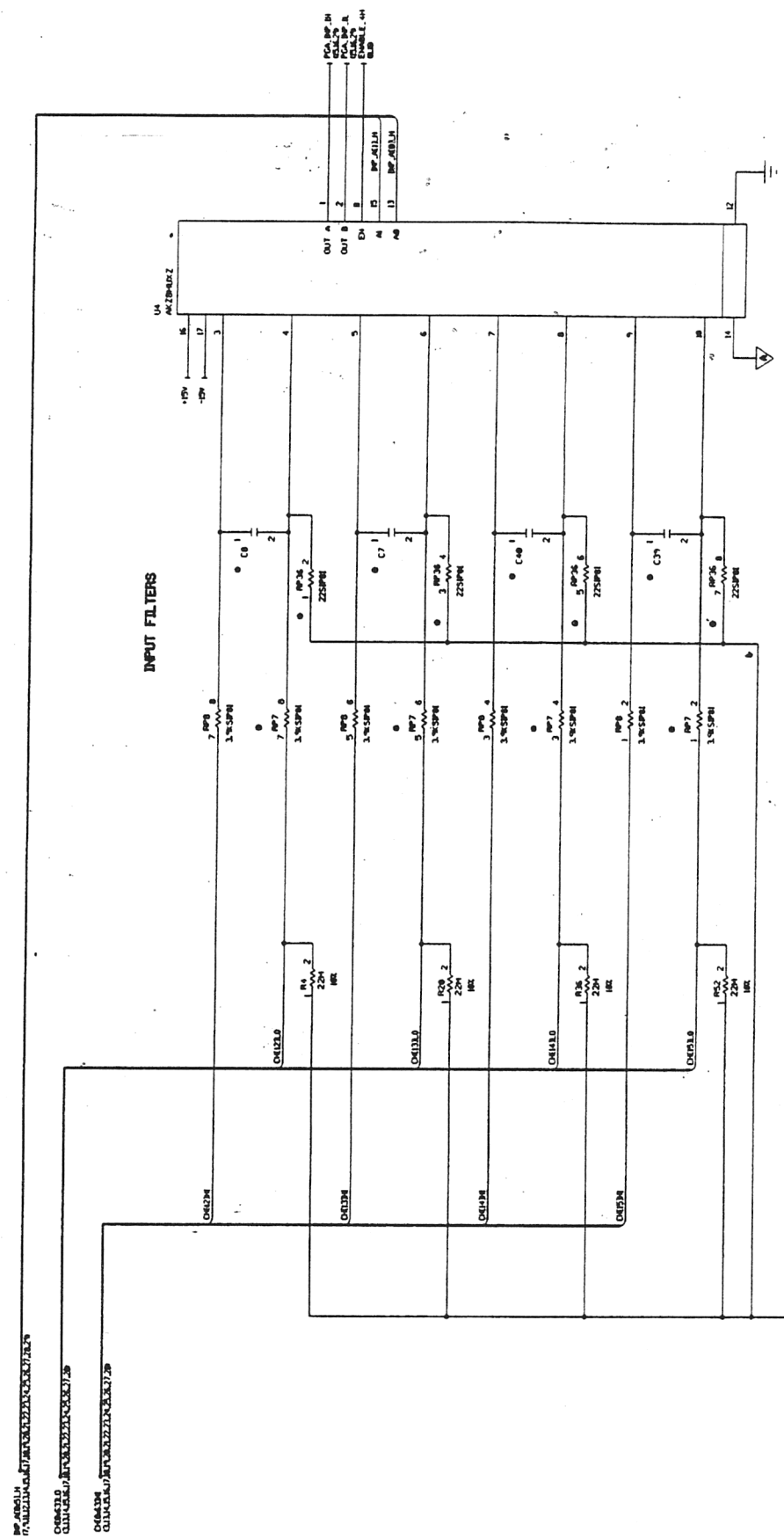
VMIC Huntsville, Alabama 35893-3388 VME Microcomputers International Corporation L.A. OFFICE		141-003122-000
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NONE	4-7-94	13

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VMIC Huntsville, Alabama 35893-3388 VME Microsystems International Corporation		06PH5 141-003122-0000		14	
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4-7-94		4-7-94		14	



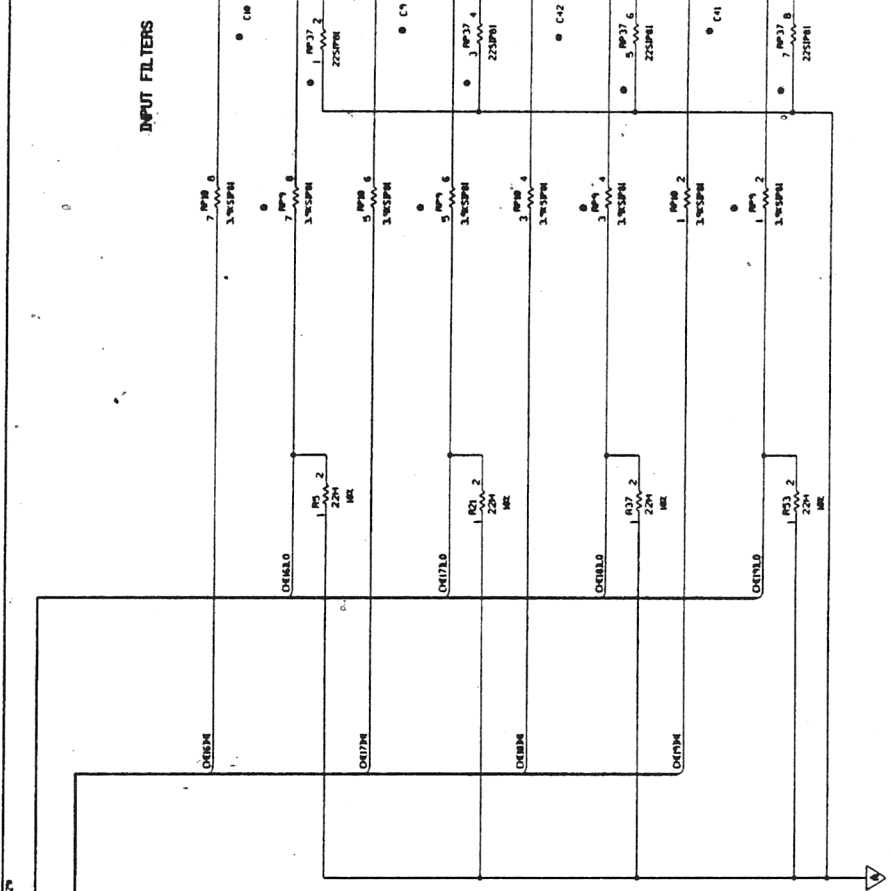
SCHENATIC NAME: none SHEET NUMBER: 15 DATE: Apr 7, 1994



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

		DATE: 4-7-74	
NAME: C. M. M. M.		PART: 15	
ADDRESS: Huntsville, Alabama 35893-3300 VME Microsystems International Corporation		PART NO.: 08PH5	
DRAWN: C. M. M. M.		SHEET NO.: 141-003122-000	

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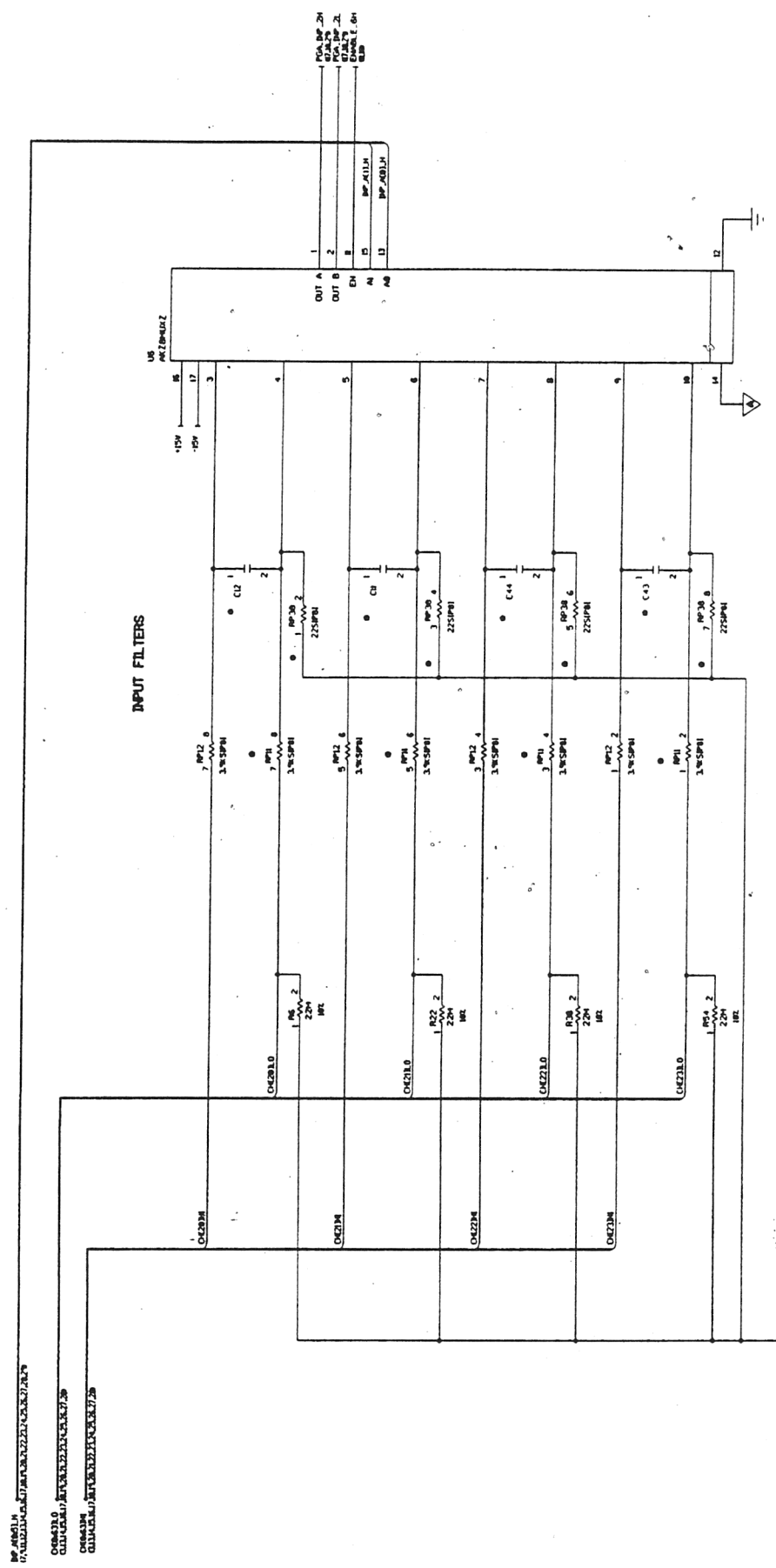


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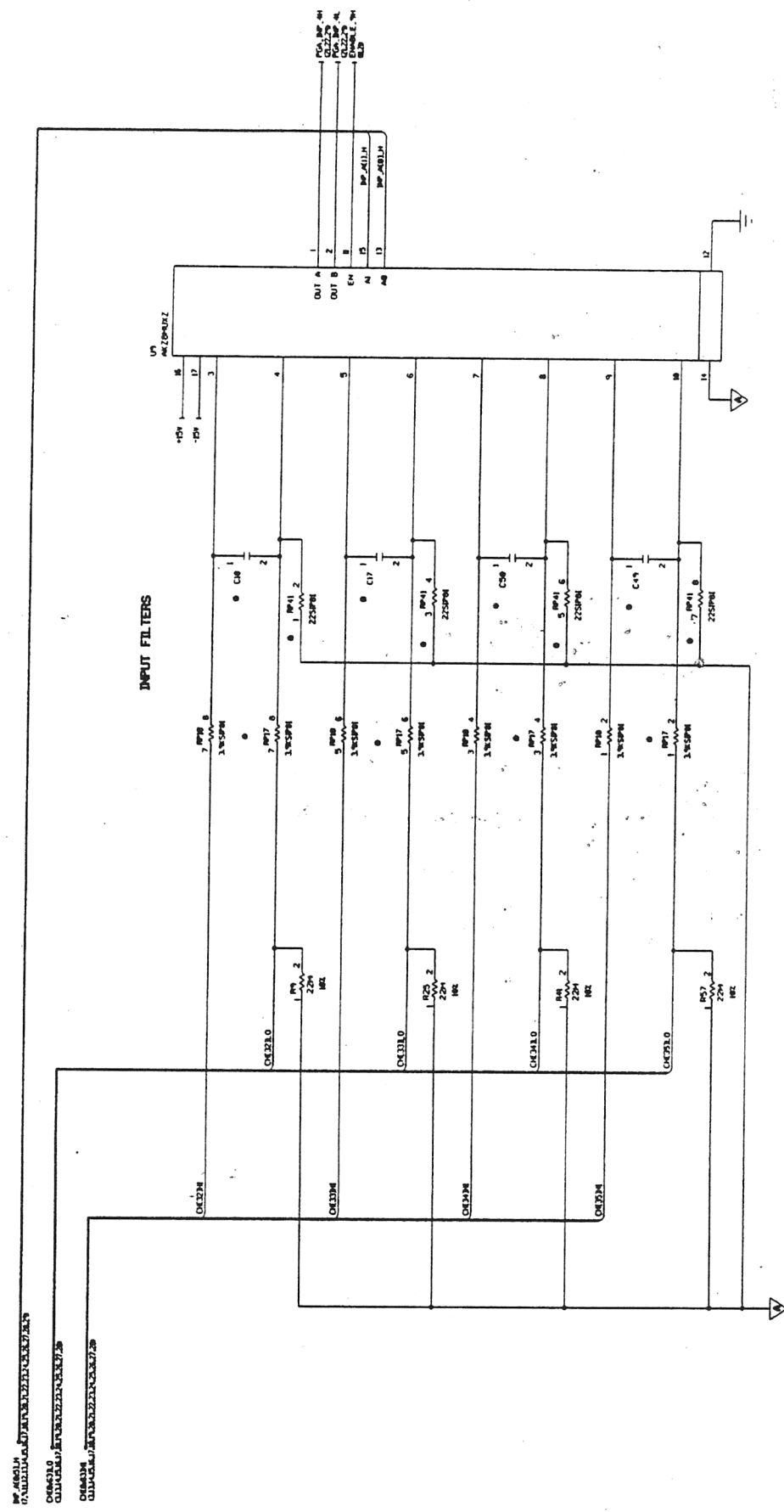
*THESE PARTS ARE OPTIONAL
 SEE PARTS LIST FOR APPLICATION AND VALUE

		Huntsville, Alabama 35893-3388 VME Microsystems International Corporation		141-003122-000	
B	08PH5	NONE	17	4-7-94	



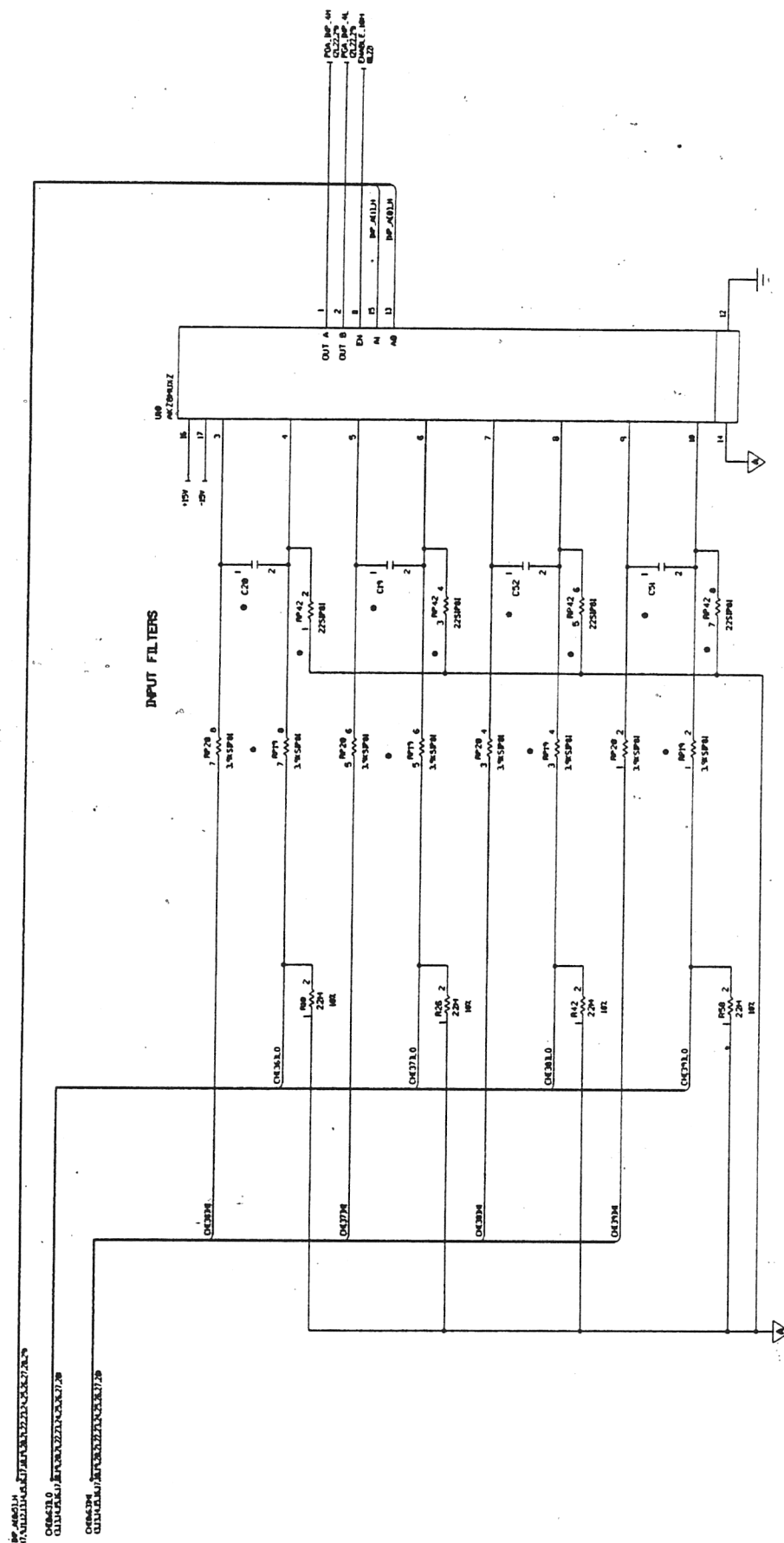
•THESE PARTS ARE OPTIONAL
SEE PARTS LIST FOR APPLICATION AND VALUE

VMIC		Huntsville, Alabama 35893-3388		141-003122-000	
THE Microgate International Corporation		B		08PH5	
C. M. W. 4-7-94		NONE		18	



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

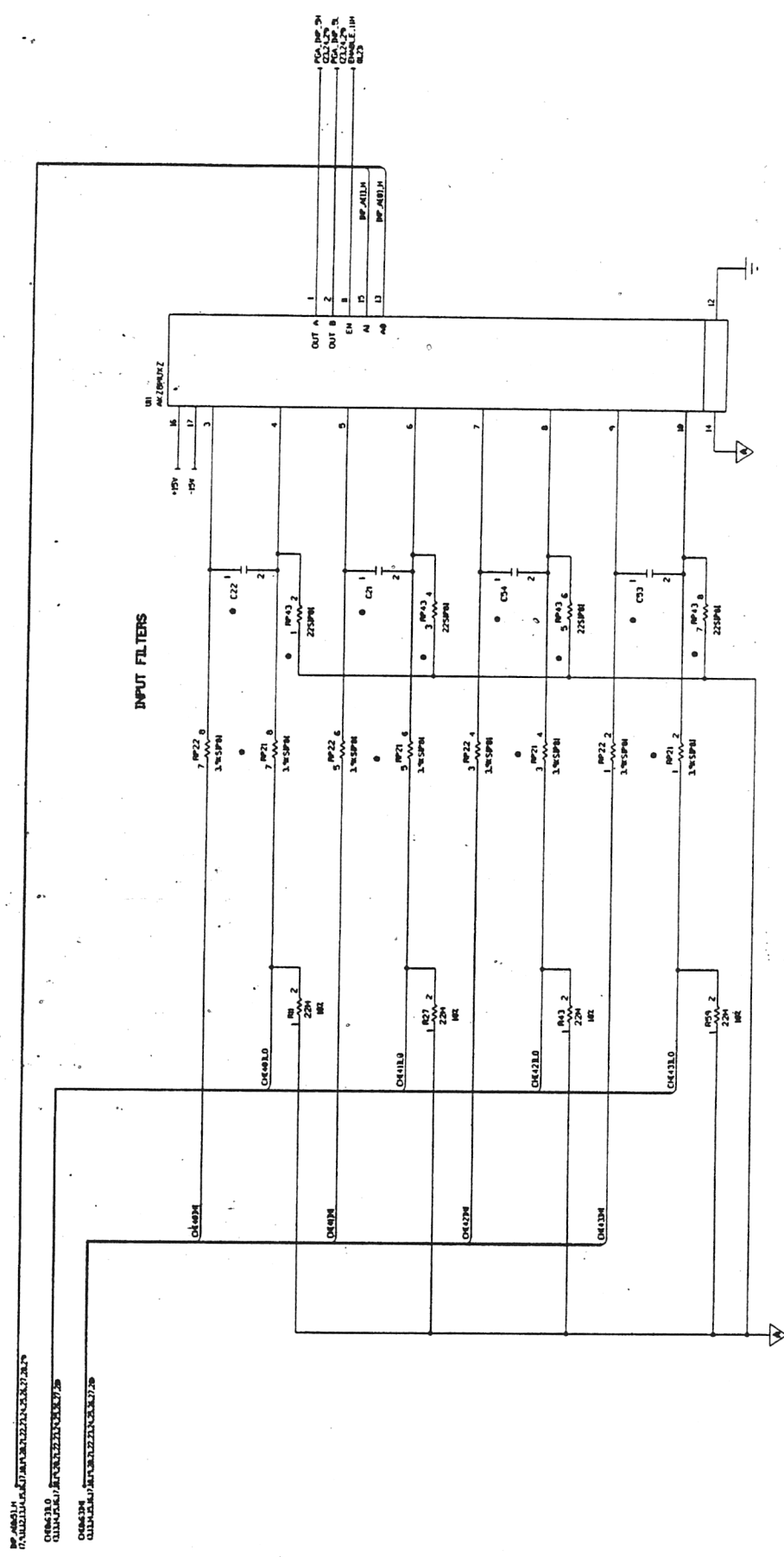
VMIC Huntsville, Alabama 35893-3390 VME Microsystems International Corporation 2000 E. Main St. Huntsville, AL 35893		08PH5 141-003122-000
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•THESE PARTS ARE OPTIONAL
SEE PARTS LIST FOR APPLICATION AND VALUE

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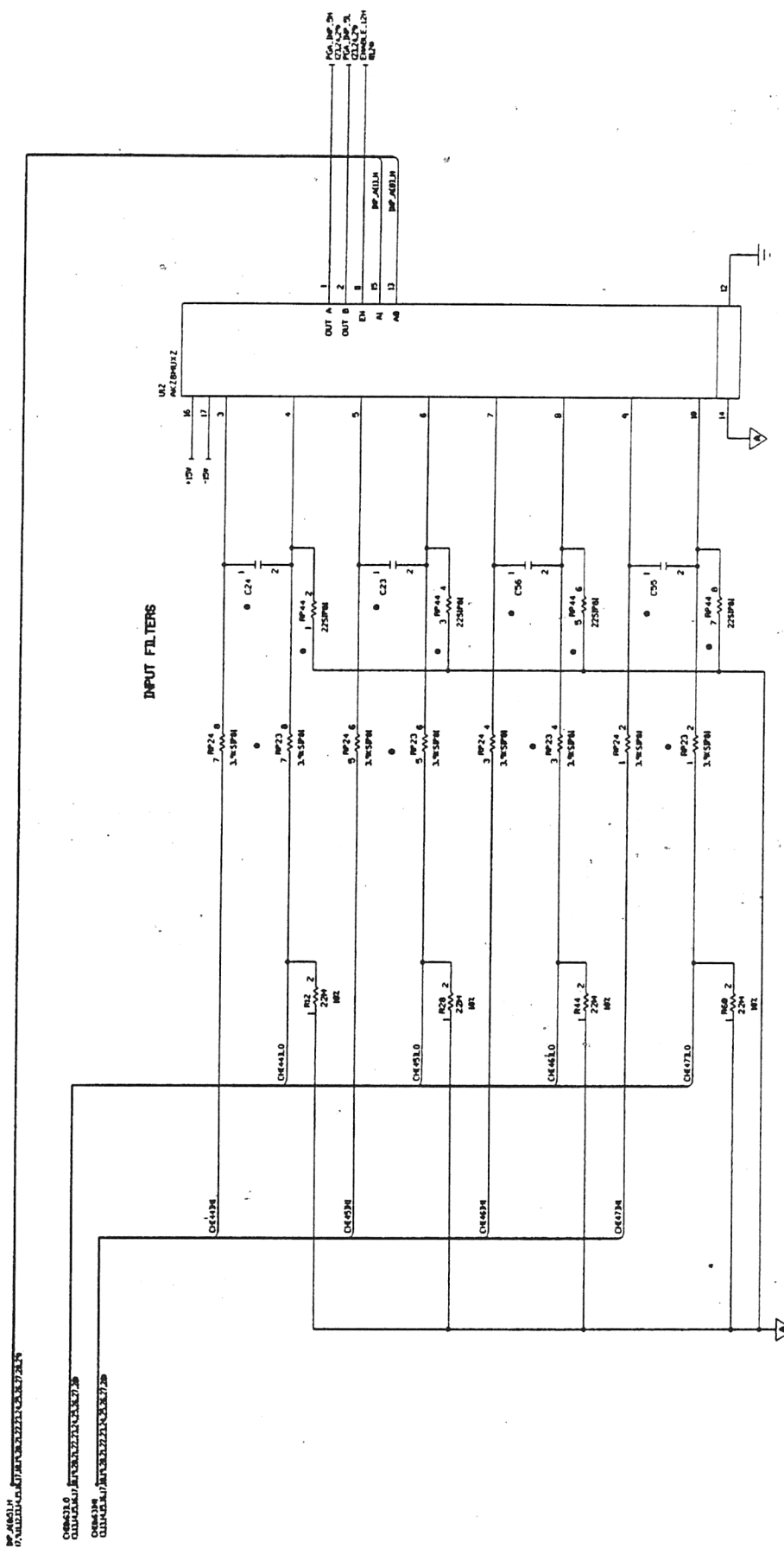
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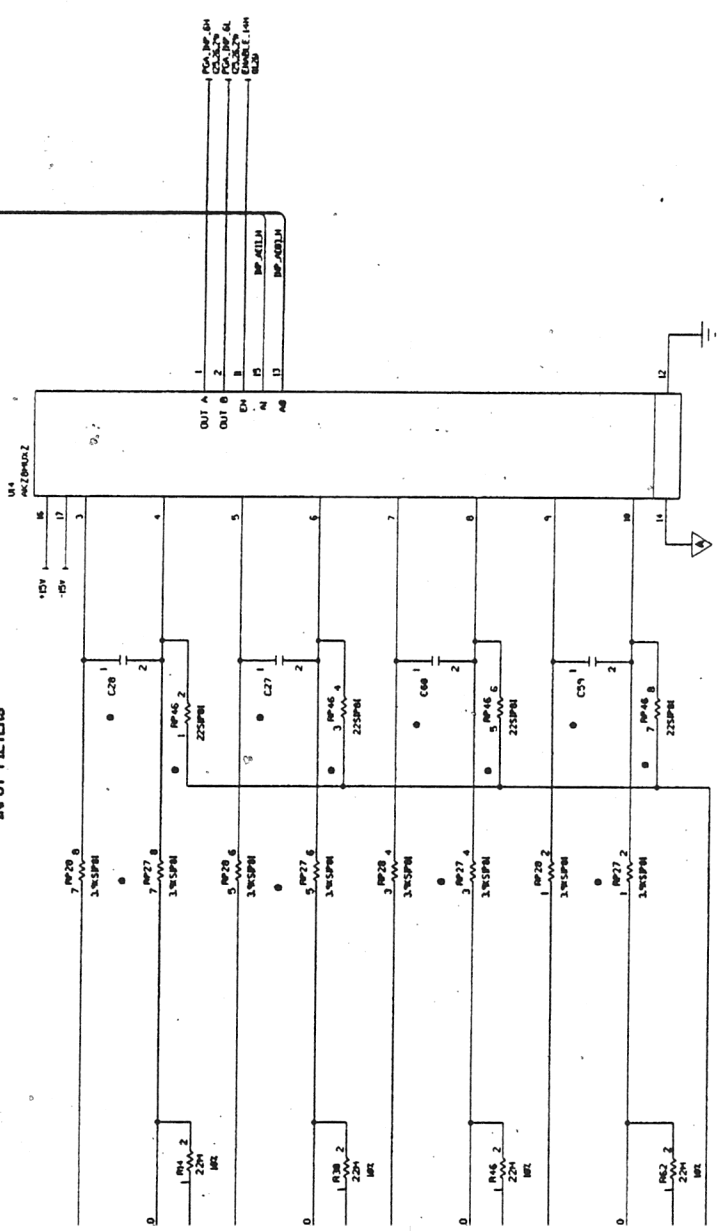
•THESE PARTS ARE OPTIONAL
SEE PARTS LIST FOR APPLICATION AND VALUE

VMIC
Huntsville, Alabama 35893-3388
THE Macrometronics International Corporation
E.A. GREEN

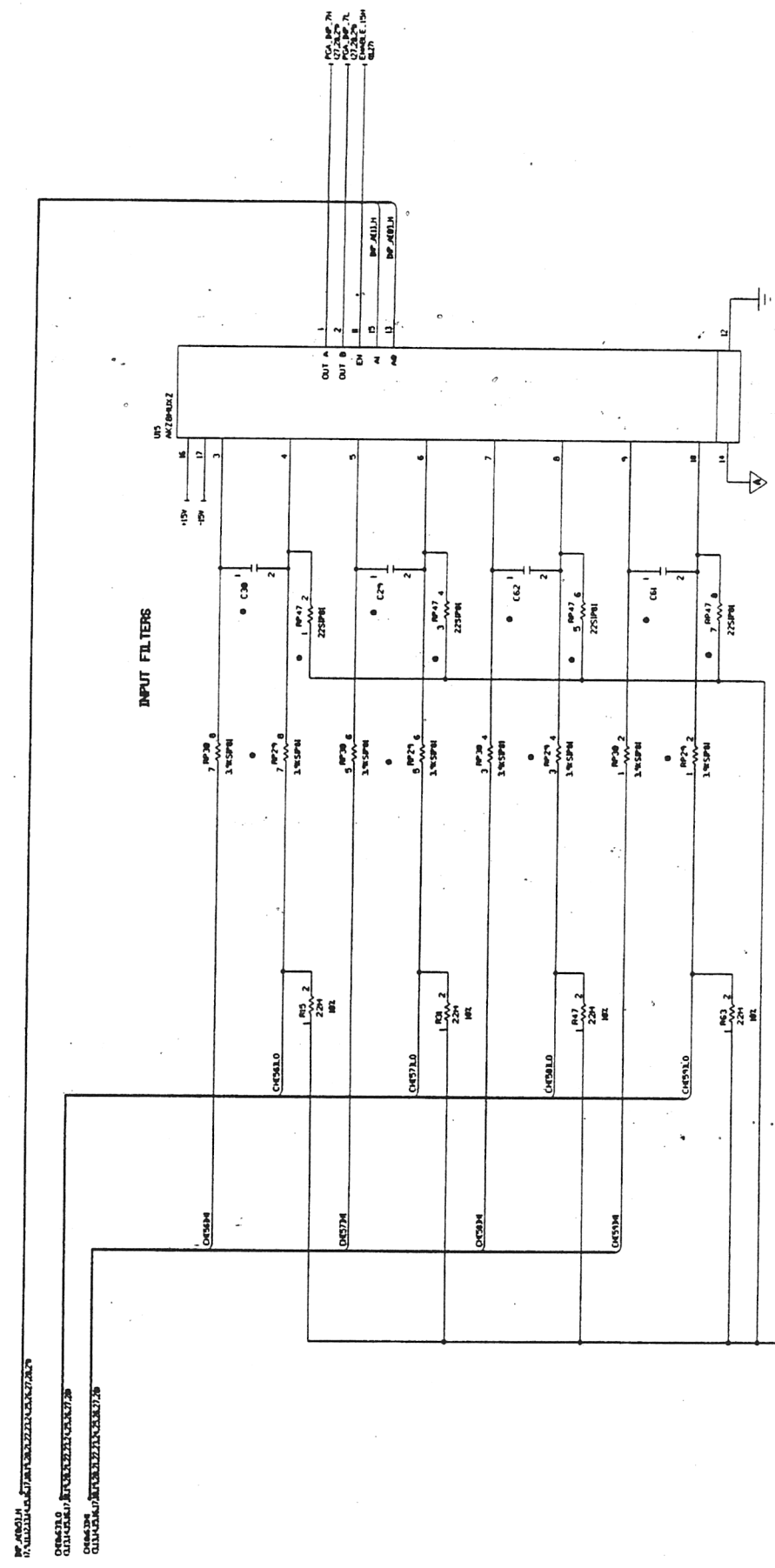
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4-7-94	NONE	23	08PH5
141-003122-000		SHEET 23	



INPUT FILTERS



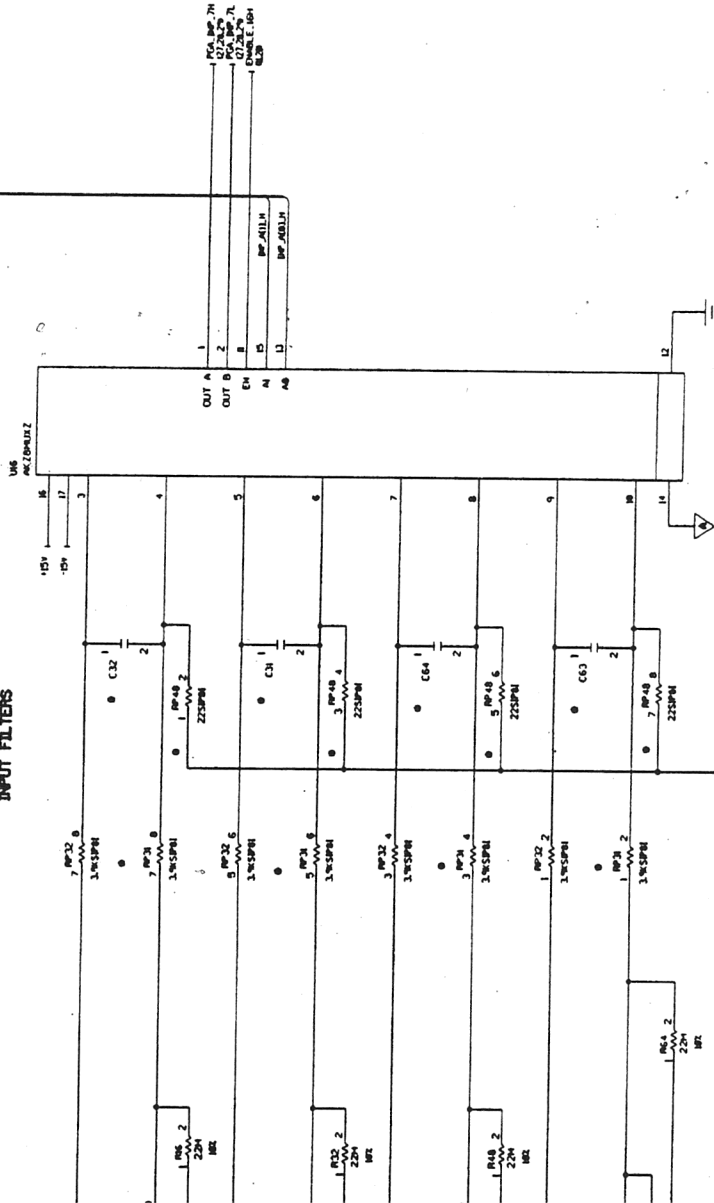
VMIC		Huntsville, Alabama 35890-3388		141-003122-000	
VME Microcomputers International Corporation		B		08PH5	
DESIGNED BY: E.A. GREEN		SCALE: NONE		SHEET 26	
DRAWN BY: C.M. WALKER		DATE: 4-7-94			



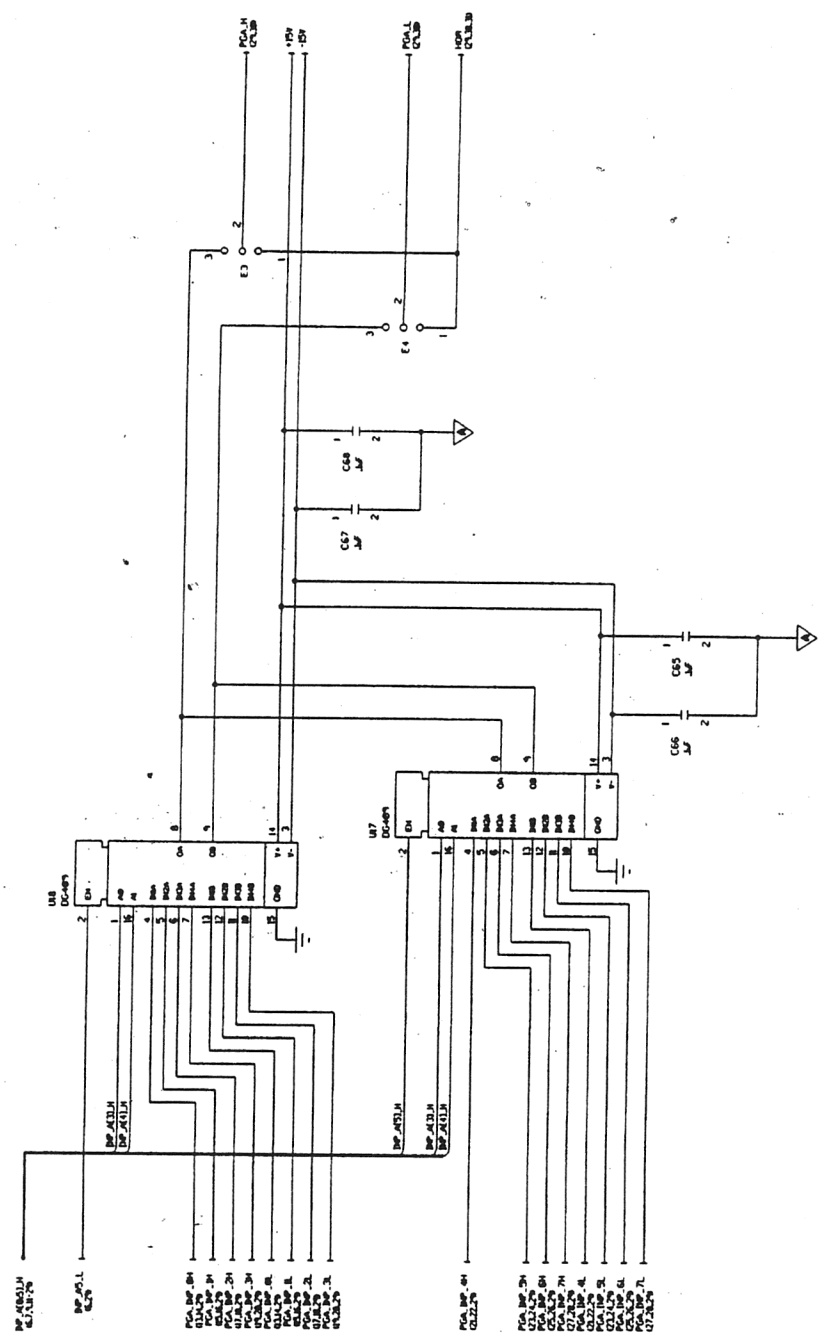
•THESE PARTS ARE OPTIONAL
SEE PARTS LIST FOR APPLICATION AND VALUE

VMIC		Huntsville, Alabama 35893-3388		141-003122-000	
VME Microsystems International Corporation		B		08PH5	
L.A. GREEN		NONE		SHEET 27	
C. M. W. 4-7-94		4-7-94		4-7-94	

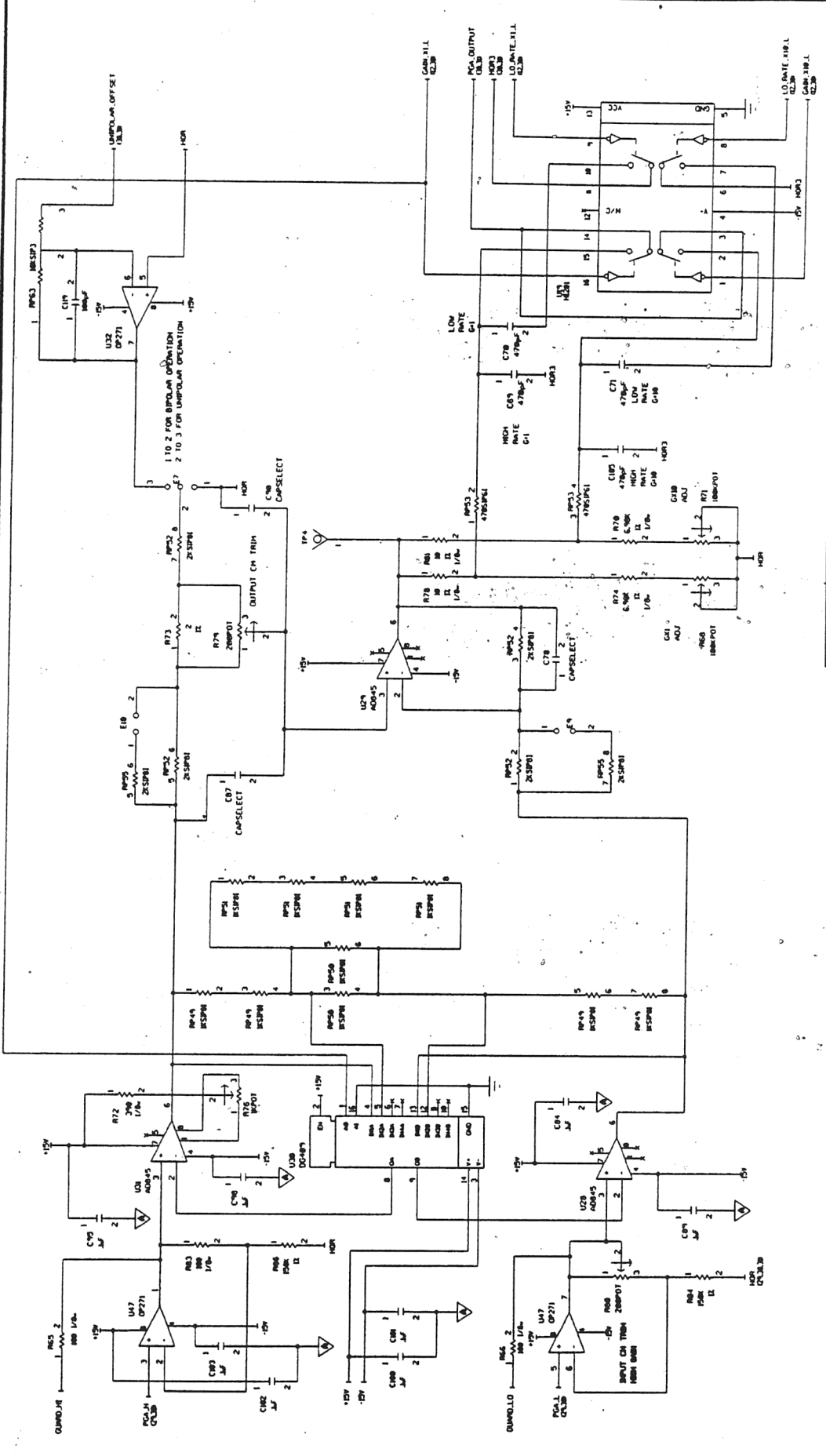
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4-7-94		DATE	NONE	SHEET 28



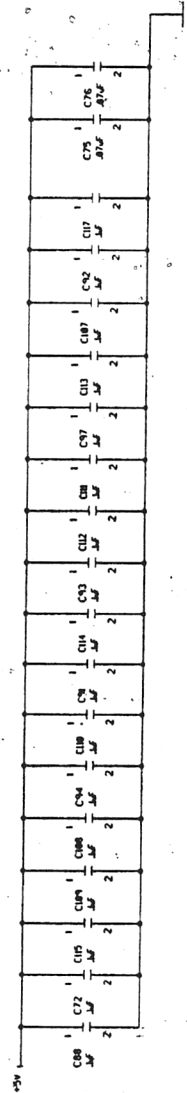
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C. Mung		4-7-94		29	



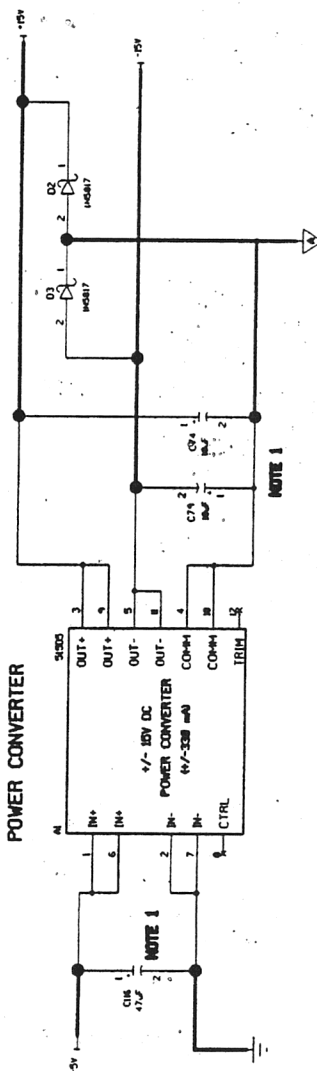
VME		Huntsville, Alabama 35893-3388		141-003122-000	
VME Microsystems International Corporation		B		08PH5	
E.K. GREEN		NONE		30	
C. M. U. 4-7-94		4-7-94		4-7-94	



BYPASS CAPACITORS



POWER CONVERTER



NOTE 1
CAPACITOR IS A TIEPOINT.
FEED BUS FROM CAPACITOR TERMINALS.
NOT FROM POWER SUPPLY TERMINALS.

 Huntsville, Alabama 35893-3388 THE Microsystems International Corporation DALLAS, TEXAS 75243-1200		PART NO. 08PH5	DRAWING NO. 141-003122-000
SCALE NONE	SHEET 32 OF 32	DATE: 4-7-94	

NOTES:

1. FOR SCHEMATIC DIAGRAM SEE 141-003122-000.
2. FOR TEST PROCEDURE SEE 510-003122-000.
3. FOR DOCUMENT SET SEE 110-003122-000.

REVISION
STATUS
OF 332

REV	DESCRIPTION	DATE	APPROVED
A	RELEASE PER ECO 94-0118	4/13/94	7307
B	CHANGE PER ECO 94-0119	4/13/94	7307
C	CHANGE PER ECO 94-0176	4/13/94	7307
D	CHANGE PER ECO 94-0297	4/13/94	7307

REVISIONS

SIZE	DWG NO	SH	REV
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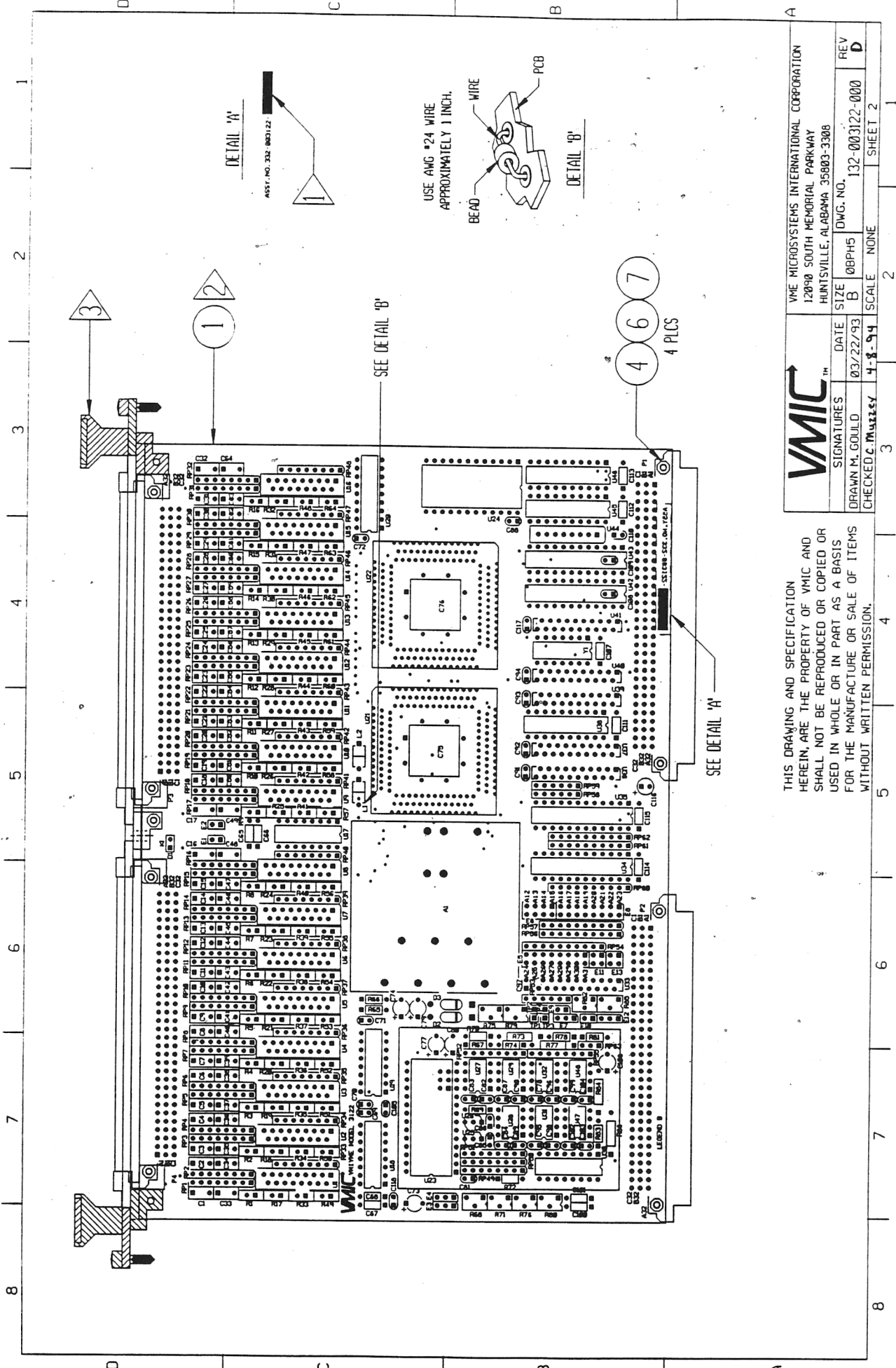
UNLESS OTHERWISE SPECIFIED
 DIMENSIONS ARE IN INCHES
 TOLERANCES ON:
 2 PL. DECIMALS ±
 3 PL. DECIMALS ±
 ANGLES ±
 FRACTIONS ±

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 FACTURE OR SALE OF ITEMS WITH-
 OUT WRITTEN PERMISSION.

SIGNATURES
 DRAWN: C. MUZZEY
 PROLONG: T. MACURDY
 ENG. MOR: R. MELROSE
 PROD: *[Signature]*
 Q.A.: *[Signature]*
 MAGNETIC MEDIA FILENAME FOR PACKAGE:
 A003122D.EXE

DATE
 4/8/93
 4/12/93
 4/16/93
 4-12-94
 4-12-94

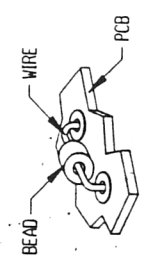
VMIC® HUNTSVILLE, ALABAMA 35803-3308
 VME MICROSYSTEMS INTERNATIONAL CORPORATION
 ASSEMBLY DRAWING
 VMIVME-3122
 SIZE A FSCM NO. OBPH5 DWG NO. 132-003122-000
 SCALE NONE SHEET 1 OF 16



DETAIL 'A'

AST. NO. 332-003122

USE AWG #24 WIRE
APPROXIMATELY 1 INCH.



DETAIL 'B'

SEE DETAIL 'A'

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VMIC MICROSYSTEMS INTERNATIONAL CORPORATION
12098 SOUTH MEMORIAL PARKWAY
HUNTSVILLE, ALABAMA 35893-3308

SIGNATURES	DATE	SIZE	REV
DRAWN M. GOULD	03/22/93	B	08PH5
CHECKED C. MULLIS	4-8-94	SCALE	NONE
			SHEET 2

DWG. NO. 132-003122-000

NOTE:

DO NOT REMOVE THE QFP CARRIER FROM THE DEVICE UNTIL INSTALLATION INTO THE BOARD SOCKET.

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 28, IN REVERSE ORDER OF THE CARRIER REMOVAL.

CAUTION:

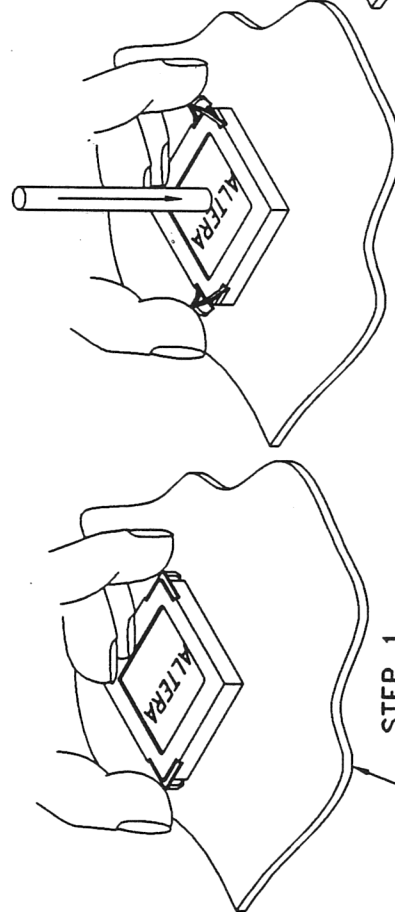
WHEN INSTALLING THE DEVICE COVER INSURE THE FOUR CORNER CLIPS CLEAR THE DEVICE PINS AND PIN 1 ORIENTATION OF THE COVER AND DEVICE MATCH.

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.

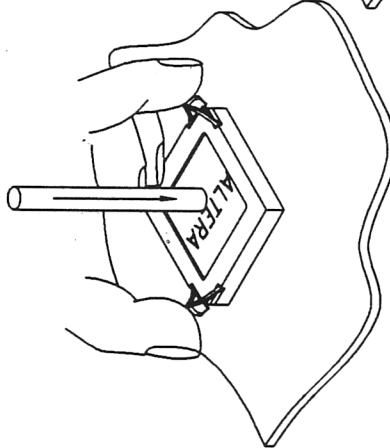
STEP 6

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

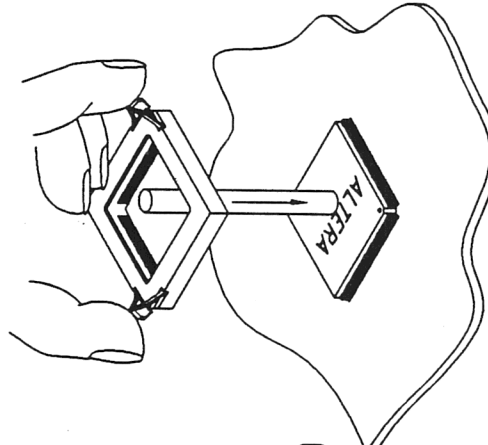


STEP 1

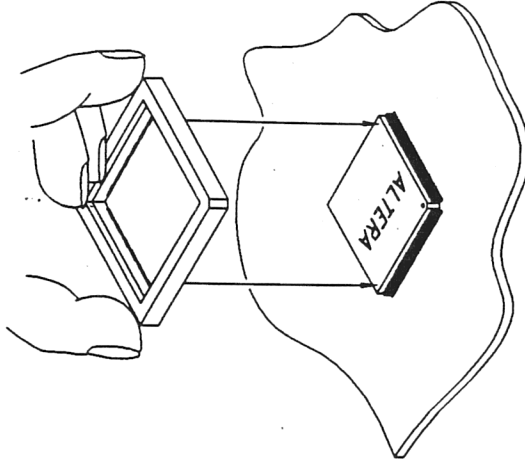
FLAT, STATIC FREE,
WORK SURFACE



STEP 2



STEP 3



STEP 4

DETAIL "C"

VMIC® HUNTSVILLE, AL 35803-3308
VME MICROSYSTEMS INTERNATIONAL CORP.

DRAWN: E. JORY

CHECKED: C. Muggers 4-11-94

DWG NO.

FSCM NO.

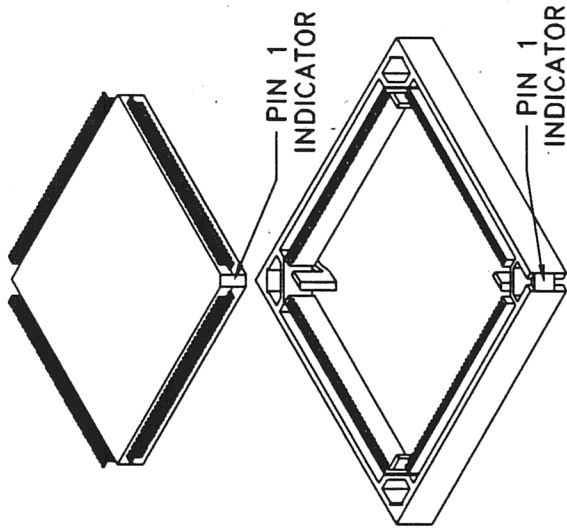
SIZE

OBPH5

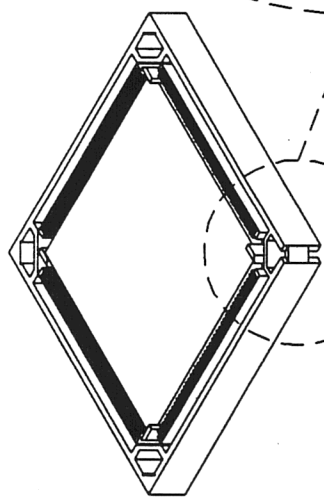
132-003122-000

SCALE .375=1

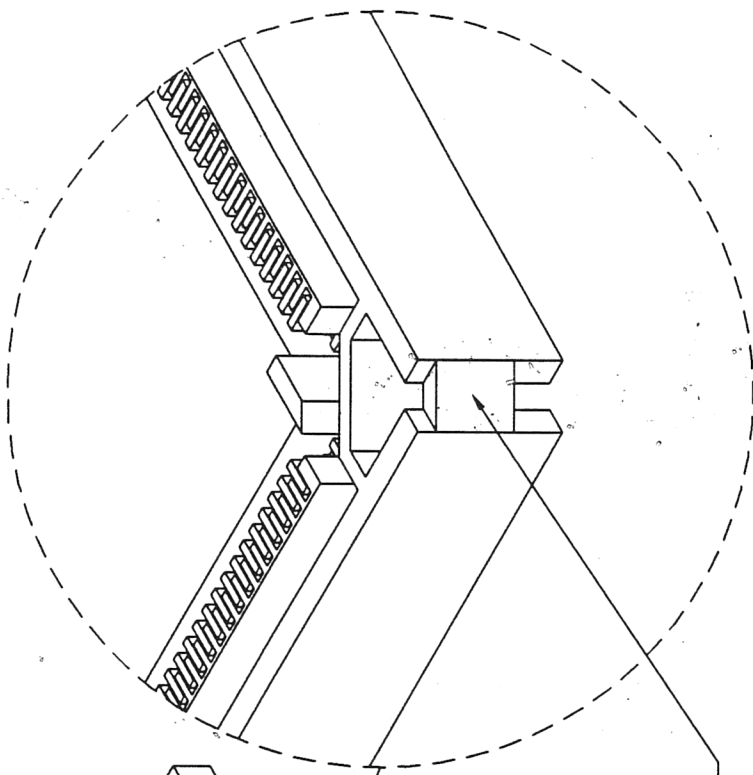
SHEET 2A



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

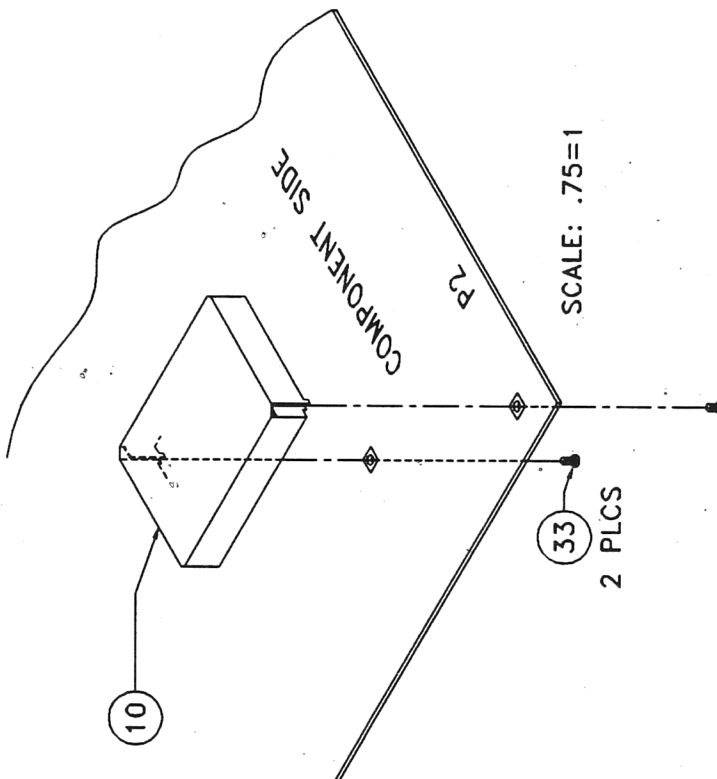
ASSEMBLY INSTRUCTIONS:

INSURE THE FOLLOWING JUMPER SHUNTS ARE INSTALLED BEFORE PROCESSING THE FINISHED PRODUCT TO TEST.
 JUMPER E3 POSITION 1-2
 JUMPER E4 POSITION 1-2
 JUMPER E7 POSITION 1-2
 JUMPER E12 POSITION 2-3

DETAIL "C" (CONTINUED)

VMIC® HUNTSVILLE, AL 35803-3308 VME MICROSYSTEMS INTERNATIONAL CORP.		FSCM NO. OBPH5	DWG NO. 132-003122-000
SIZE A	SCALE 2B	DRAWN: E. JORY	CHECKED: C. M. W. 4-11-94

SIZE	DWG NO.	SH	REV
A	132-003122-000	2C	D



DETAIL "D"

VMIC HUNTSVILLE, AL 35803-3308
VME MICROSYSTEMS INTERNATIONAL CORP.

DRAWN: E. JORY

CHECKED: C. Muggler 4-8-94

DWG NO.

FSCM NO.

SIZE

132-003122-000

OBPH5

A

SCALE

SHEET 2C

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:

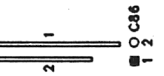
NOTES:

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 332-003122-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 A REMOVABLE NON-SMEARING BLACK INK.
2. SOLDER COMPOSITION COMPLIES WITH MIL-STD-2000.
3. SEE DRAWING 150-000022-000 FOR THE ASSEMBLY AND INSTALLATION OF THE FRONT PANEL.
4. FOR ITEMS 89, 98, OR 107, P/N 302-000027-001 OR P/N 302-000027-003 CAN BE USED, FOR OPTIONS 00C, 01C, OR OR 02C ONLY.
5. DO NOT CLINCH SOCKET PINS ON SOLDER SIDE TO HOLD DOWN.

 VMIC HUNTSVILLE, AL 35803-3308 VME MICROSYSTEMS INTERNATIONAL CORP.		DWG NO. 132-003122-000
SIZE A	FSCM NO. OBPH5	
DRAWN: E. JORY CHECKED: C. Murphy 4-8-94		SCALE SHEET 3

EFFECTIVITY: DCO IX-3122 (333-003122-000 REV A & EARLIER)

INSTRUCTIONS: REWORK



STEP 1
PIN 1 OF C86 SHOULD BE INSTALLED IN POSITION 2 ON THE BOARD,
PIN 2 OF C86 SHOULD BE INSTALLED IN POSITION 1.

EFFECTIVITY: ECO 94-0119 (333-003122-000 REV A)

INSTRUCTIONS: REWORK

STEP 1 (SOLDER SIDE)

REMOVE SOLDER FROM THE FOLLOWING LOCATIONS (REMOVE SO THAT SOLDER REMAINS IN THE BARREL AND ATTACHED TO THE PIN IN THE BARREL).

U32 PINS 6 AND 7
R85 PINS 2 AND 3
RP55 PINS 3 AND 4

STEP 2 (SOLDER SIDE)

TRIM LEADS (ON ALL PINS WHICH WERE DESOLDERED IN STEP 1) FLUSH TO THE SOLDER SIDE OF THE BOARD.

STEP 3

CHECK OUT OF STOCK ONE (1) P/N 315-305003-101 AND TWO (2) P/N 315-305000-104 PER ASSEMBLY TO BE REWORKED.

STEP 4 (SOLDER SIDE)

PLACE P/N 315-305003-101 (100pF CAP) ACROSS U32 PIN 6 AND 7 (INSURING PROPER SOLDER FLOW IN BARREL AND TO CAP).

STEP 5 (SOLDER SIDE)

PLACE P/N 315-305000-104 (.1uF CAP) ACROSS R85 PIN 2 AND 3, AND PLACE A SECOND .1uF CAP ACROSS RP55 PIN 3 AND 4, (INSURING PROPER SOLDER FLOW IN BARREL AND TO CAPS).

EFFECTIVITY: ECO 94-0119 (332-003122-XXX REV A)

INSTRUCTIONS: REWORK

STEP 1

CHECK OUT OF RAW STOCK THE FOLLOWING:
TWO (2) PER ASSEMBLY, P/N 347-000017-698 (6.98K OHM RESISTOR).
ONE (1) PER ASSEMBLY, P/N 347-000011-201 (200 OHM RESISTOR).

VMIC HUNTSVILLE, AL 35803-3308 VME MICROSYSTEMS INTERNATIONAL CORP.		FSCM NO. OBPH5	DWG NO. 132-003122-000
DRAWN: E. JORY	CHECKED: C. Munn	SCALE 4-8-94	SHEET 3A

EFFECTIVITY: ECO 94-0119 (332-003122-XXX REV A)

INSTRUCTIONS: REWORK (CONTINUED)

STEP 2 (COMPONENT SIDE)

REMOVE R70, R74 AND R67 FROM ASSEMBLY AND DISCARD. (ITEM 10, RF SHIELD COVER WILL REQUIRE REMOVAL TO PERFORM THIS STEP).

STEP 3 (COMPONENT SIDE)

INSTALL ONE (1) 6.98 K OHM RESISTOR IN LOCATION R70 AND ONE (1) 6.98K OHM RESISTOR IN LOCATION R74.

STEP 4 (COMPONENT SIDE)

INSTALL ONE (1) 200 OHM RESISTOR IN LOCATION R67. (REINSTALL ITEM 10, RF SHIELD COVER).

STEP 5 (COMPONENT SIDE)

REMOVE COMPONENTS FROM SOCKETS LOCATED IN U34 AND U35.

STEP 6 (COMPONENT SIDE)

REMOVE SOCKETS INSTALLED IN LOCATION U34 AND U35 AND DISCARD.

STEP 7 (COMPONENT SIDE)

SOLDER INTO THE ASSEMBLY THE COMPONENTS REMOVED IN STEP 5.

EFFECTIVITY: ECO 94-0176 (333-003122-000 REV B & EARLIER)

INSTRUCTIONS: REWORK

STEP 1

CHECK OUT OF RAW INVENTORY THE FOLLOWING:

ONE (1) PER ASSEMBLY, P/N 347-000021-226 (22M OHM RESISTOR).

STEP 2 (SOLDER SIDE)

REMOVE SOLDER FROM CONNECTOR P4 PIN A1 AND B1. (REMOVE SO THAT SOLDER REMAINS IN THE BARREL AND ATTACHED TO THE PIN IN THE BARREL).

STEP 3 (SOLDER SIDE)

TRIM LEADS (ON ALL PINS WHICH WERE DESOLDERED IN STEP 2) FLUSH TO THE SOLDER SIDE OF THE BOARD.

STEP 4 (SOLDER SIDE)

PLACE P/N 347-000021-226 (22M OHM RESISTOR) ACROSS P4 PINS A1 AND B1, INSURING PROPER SOLDER FLOW IN BARREL AND TO CAP.

STEP 5 (SOLDER SIDE)

MARK RESISTOR OF STEP 1 WITH DESIGNATOR "R87" USING A PERMANENT MARKER.

END OF REWORK INSTRUCTIONS

VMIC HUNTSVILLE, AL 35803-3308 VME MICROSYSTEMS INTERNATIONAL CORP.		SIZE A	FSCN NO. OBPH5	DWG NO. 132-003122-000
DRAWN: E. JORY		SCALE		
CHECKED: <i>C. Muggery</i>		SHEET 3B		

OPT.	Q U A N T I T Y	I T E M #	VME MICROSYSTEMS INT'L CORP.		CODE	REV.	DRAWING NUMBER	CHECKED	SH NO.
			REFERENCE DESIGNATOR	PART NO.					
A B C					OBPH5	D	132-003122-000	C. Mizzell DATE 4/11/94	4
					NOMENCLATURE OR DESCRIPTION				
	1	1		333-003122-000	BOARD: PC, RAW, 10 LAYERS				
	1	2		317-000106-000	F/P ASSY: EXTRUDED EJECTOR, TWO 96 PIN CUTOUT, PANEL MOUNT LED (SEE NOTE 3)				
	1	3		324-003122-100	LABEL: ID, 3122, FRONT PANEL (SEE NOTE 3)				
	4	4	P1,2	328-250000-010	SCREW: METRIC, 2.5 X 10MM, SS				
	4	5	P3,4	328-250000-012	SCREW: PAN HEAD, METRIC, 2.5 X 12MM, SS				
	8	6	P1-4	328-250001-025	NUT: METRIC, 2.5MM, HEX, SS				
	A/R	7	REF. P1-4	316-000002-000	LOCTITE: SMALL SCREW THREADLOCKER 222				
	1	8	U42	303-001042-001	PROGRAMMED PAL: FILE: 3122-428.JED A PROGRAMMED 20R4 (331-300105-600)				
	1	9	U43	303-001043-001	PROGRAMMED PAL: FILE: 3122-438.JED A PROGRAMMED 20R4 (331-300105-600)				
	1	10		314-000042-000	SHIELD: RF, 2.65" X 1.93", NICKEL SILVER (SEE DETAIL "D")				
	1	11	C106	315-102000-105	CAP: 1uF, .200 LEAD SPACE, 20%, 25V, TANTALUM				
	5	12	C73,74,77,79,80	315-102000-106	CAP: 10uF, .200 LEAD SPACE, 20%, 25V, TANTALUM				
	23	13	C72,82-84,88,89 C91-99,102-104 C108-110,117,118	315-205000-104	CAP: .1uF, .100 LEAD SPACE, 20%, 50V, 25U, CERAMIC MONOLYTHIC				
	12	14	C65-68,100,101,107 C111-115	315-205002-104	CAP: .1uF, .300 LEAD SPACE, 20%, 50V, 25U, CERAMIC MONOLYTHIC				
					P104M26Z5UFVPWN (PHILLIPS)				

OPT.	Q U A N T I T Y	I T E M #	VME [®] PARTS LIST		CODE	REV.	DRAWING NUMBER	CHECKED	SH NO.
			REFERENCE DESIGNATOR	PART NO.					
					OBPH5	D	132-003122-000	C. Muzzey DATE 4/11/94	5
							NOMENCLATURE OR DESCRIPTION		MANUFACTURER'S PART NO.
		15	69-71,105	315-220000-471	CAP: 470PF, .100 LEAD SPACE, 10%, 200V, NPO, CERAMIC MONOLITHIC			C3(15,20)C471K2G5CA (KEMET)	
		16	C85,86	315-102001-225	CAP: 2.2uF, .100 LEAD SPACE, 20%, 25V, TANTALUM			T35(0,1)B225M025AS (KEMET)	
		17	C116	315-902001-476	CAP: 47uF, 20%, 35V, RADIAL, ALUMINUM ELECTRO-LYTIC			ECEATVU470 (PANASONIC)	
		18	C75,76	315-900002-001	CAP: FIXED, MICROCOUPLING, .7" X .7", X7R, .070uF			703ADE (ROGERS)	
		19	L1,2	318-000001-000	FERRITE: 35Z @ 25MHZ, .130 X .118			2673000101 (FAIR-RITE PROD)	
		20	E1-14	321-000015-001	JUMPER: PC BOARD, 2 POSITION, FEMALE, GOLD PLATED CONTACT, BLACK (SEE ASSEMBLY INSTRUCTIONS SHEET 2B)			MSB-2360-G-C-STP (McKENZIE)	
		21	E1-4,7,9,10,12 TP1-4	321-000016-011	TERMINAL: PC BOARD, SINGLE ROW, .025 THICK, GOLD PLATED, ONE POST			92983401-01 (PANDUIT)	
		22	E5,6,8,11,13	321-000017-011	TERMINAL: PC BOARD, DUAL ROW, .025 THICK, GOLD PLATED, ONE POST			PEG02DS-(T,F)BR (CRANE)	
		23	P3,4	321-000048-003	BRACKET: MULTIPLE FIXING, MALE CONNECTOR FOR 19", LEFT			09 02 000 9919 (HARTING)	
		24	P3,4	321-000048-004	BRACKET: MULTIPLE FIXING, MALE CONNECTOR FOR 19", RIGHT			09 02 000 9920 (HARTING)	
		25	P1	321-000054-001	CONNECTOR: DIN, 96 PIN WITH EXTENDED GROUND PINS, TYPE C			536437-6 (AMP)	
		26	P2-4	321-000054-002	CONNECTOR: DIN, 96 PIN WITH EXTENDED GROUND PINS, TYPE C			536437-5 (AMP)	
		27	U21,22	321-000122-160	SOCKET: IC, EIAJ METRIC QUAD FLAT PACK, (QFP) 160 PIN (SEE NOTE 5 & DETAIL "C")			822114-4 (AMP)	
		28	U21,22	321-000122-161	SOCKET COVER: QUAD FLAT PACK, 160 PIN (SEE NOTE 5 & DETAIL "C")			822115-4 (AMP)	

OPT.	Q U A N T I T Y	I T E M #	VME MICROSYSTEMS INT'L CORP.		CODE	REV.	DRAWING NUMBER	CHECKED	SH NO.
			REFERENCE DESIGNATOR	PART NO.					
A B C					OBPH5	D	132-003122-000	C. Murphy DATE 4/11/94	6
					NOMENCLATURE OR DESCRIPTION				
	2	29	U42,43	321-001324-001	SOCKET: DIP, 24 PIN, .300 ROW				
	1	30	Y1	323-000007-250	OSCILLATOR: 25 MHZ, 5V, +100ppm, HIGH FREQUENCY, -10 TO +70 DEGREES				
	1	31	U23	323-250039-002	CONVERTER: ANALOG TO DIGITAL, 16 BIT, 100 KSPS, +/- 1.5 LSB, 0 TO +70 DEGREES C, 28 PIN, 87dB				
	1	32	U44	323-500002-040	DELAY LINE: DIGITAL, TTL, 5 TAP, 8 PIN SIL, 40ns				
	2	33	HARDWARE	328-250026-006	SCREW: FASTENING, SHEET METAL, PANHEAD, PHILLIPS #4 X 3/8", SS (SEE DETAIL "D")				
	1	34	U40	331-304244-123	IC: DIGITAL, OCTAL BUFFER/LINE DRIVER, TRI-STATE, NON-INVERTING, ZIP PACKAGE				
	3	35	U33,39,41	331-304521-303	IC: DIGITAL, 8 BIT COMPARATOR, FAST, ZIP PACKAGE				
	2	36	U36,37	331-304574-703	IC: DIGITAL, OCTAL D-TYPE FLIP-FLOP, THREE STATE, PLASTIC ZIP				
	1	37	U38	331-304641-610	IC: DIGITAL, OCTAL BUS TRANSCEIVER, OPEN COLLECTOR PLASTIC DIP				
	2	38	U45,46	331-304645-110	IC: DIGITAL, OCTAL BUS TRANSCEIVER, PLASTIC DIP				
	1	39	U30	331-309131-100	IC: INTERFACE, 44V, DIFFERENTIAL 4 CHANNEL, -25 TO +85 DEGREES, PLASTIC DIP				
	1	40	U20	331-309020-002	IC: MEMORY, DYNAMIC RAM, 120ns, 40ma, 5V, CERAMIC DIP				
	1	41	U24	331-309032-002	IC: MICROPROCESSOR, PROGRAMMABLE INTERVAL TIMER, CERAMIC DIP				
	1	42	U26	331-309047-125	IC: VOLTAGE REGULATOR, 12V, TO-92 PACKAGE				
	2	43	U34,35	331-309056-202	IC: MEMORY, 200ns OR BETTER, 2K x 8 RAM, 24 PIN PLASTIC SKINNY DIP				

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 <i>C. Muggler</i>	SH NO. 7
			REFERENCE DESIGNATOR	PART NO.							
A B C							OBPH5	D	132-003122-000	DATE 4/11/94	
							NOMENCLATURE OR DESCRIPTION				
		44	U19	331-309108-000			IC: SWITCH, HIGH SPEED, QUAD SPST, BREAK-BEFORE-MAKE				
		45	U25	331-309111-120			IC: VOLTAGE REGULATOR, 12 VOLTS, 100mA OUPUT, POSITIVE, INTERNAL SHORT CIRCUIT				
		46	U48	331-309124-000			IC: LINEAR, +10 V VOLTAGE REFERENCE, 5PPM/DEG C, PLASTIC DIP				
		47	D1	337-000001-110			DIODE: LED, RED, 5V, 15mA, INTEGRAL RESISTOR, WIRE LEADS				
		48	R73,77	347-000003-200			RESISTOR: 2.00 OHM, 1/4W, 1%, METAL FILM				
		49	R84,86	347-000008-150			RESISTOR: 150K OHM, 1/4W, 1%, METAL FILM				
		50	R65,66,83	347-000011-101			RESISTOR: 100 OHM, 1/8W, 5%, CARBON FILM				
		51	R72	347-000011-391			RESISTOR: 390 OHM, 1/8W, 5%, CARBON FILM				
		52	R69	321-000003-003			JUMPER: WIRE, 22 AWG, .3 INCHES, ORANGE				
		53		DELETED							
		54	R78,81	347-000015-010			RESISTOR: 10.0 OHM, 1/8W, 1%, 50PPM, METAL FILM RN50C TYPE				
		55	RP58,59	347-001000-392			SIP: 3.9K OHM, BUSSED, 6 PIN, LOW PROFILE (BOURNS)				
		56	RP54,56,57,60-62	347-001002-392			SIP: 3.9K OHM, BUSSED, 10 PIN, LOW PROFILE (BOURNS)				
		57	RP53	347-001003-471			SIP: 470 OHM, ISOLATED, 6 PIN, LOW PROFILE (BOURNS)				
		58	RP49-51	347-001033-102			SIP: 1K OHM, ISOLATED, 8 PIN, LOW PROFILE, .025% RATIO MATCHED (VISHAY/OHMTEK)				
		59	RP52,55	347-001033-202			SIP: 2K OHM, ISOLATED, 8 PIN, LOW PROFILE, .025% RATIO MATCHED (VISHAY/OHMTEK)				

OPT.	Q U A N T I T Y		I T E M #	VME MICROSYSTEMS INT'L CORP.		CODE	REV.	DRAWING NUMBER	CHECKED	SH NO.
	A	B C		REFERENCE DESIGNATOR	PART NO.					
						OBPH5	D	132-003122-000	C. Muzgalski DATE 4/11/94	10
						NOMENCLATURE OR DESCRIPTION				
A	0	C	1	A1	340-000043-000	CONVERTER: DC/DC, 15 WATT DUAL OUTPUTS, +5V INPUT, +15V OUTPUT				
A	0	C	64	R1-64	347-001213-226	RESISTOR: PRECISION, 22M OHM, 1/4W, 10%				
					DELETED					
					DELETED					
A	1	C	8	U1-8	302-000027-003	MODULE: MUX, BUFFERED, 17 PIN ZIP (SEE NOTE 4)				
					DELETED					
A	1	C	1	U21	303-001054-000	PROGRAMMED PAL: FILE: 3122321A.POF A PROGRAMMED EPM7192QC160-3 (331-300155-013) (SEE DETAIL "C")				
A	1	C	1	U18	331-309131-100	IC: INTERFACE, 44V, DIFFERENTIAL 4 CHANNEL, -25 TO +85 DEGREES, PLASTIC DIP				
A	1	C	1	A1	340-000027-105	CONVERTER: DC/DC, 5VDC, 3580mA FULL CURRENT, +400mA OUTPUT, 67% EFFICIENCY @ FL				
A	1	C	32	R1-8, 17-24, 33-40 R49-56	347-001213-226	RESISTOR: PRECISION, 22M OHM, 1/4W, 10%				
					DELETED					
					DELETED					
A	2	C	4	U1-4	302-000027-003	MODULE: MUX, BUFFERED, 17 PIN ZIP (SEE NOTE 4)				

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.
A	B C			REFERENCE DESIGNATOR	PART NO.								
			108		DELETED			OBPH5	D	132-003122-000		C. Mungger	11
												DATE 4/11/94	
								NOMENCLATURE OR DESCRIPTION					
								MANUFACTURER'S PART NO.					
A	2	C	1	U21	303-001056-000			PROGRAMMED PAL: FILE: 3122121A.POF A PROGRAMMED EPM7192QC160-3 (331-300155-013) (SEE DETAIL "C")					
A	2	C	1	U18	331-309131-100			IC: INTERFACE, 44V, DIFFERENTIAL 4 CHANNEL, -25 TO +85 DEGREES, PLASTIC DIP					
A	2	C	1	A1	340-000027-105			CONVERTER: DC/DC, 5VDC, 3580mA FULL CURRENT, +-400mA OUTPUT, 67% EFFICIENCY @ FL					
A	2	C	16	R1-4, 17-20, 33-36 R49-52	347-001213-226			RESISTOR: PRECISION, 22M OHM, 1/4W, 10%					
			113		DELETED								
			114		DELETED								
			115										
A	3	C	16	U1-16	302-000027-002			MODULE: MUX, BUFFERED, 17 PIN ZIP					
			117		DELETED								
A	3	C	1	U21	303-001045-000			PROGRAMMED PAL: FILE: 3122621A.POF A PROGRAMMED EPM7192QC160-3 (331-300155-013) (SEE DETAIL "C")					
A	3	C	2	U17,18	331-309131-100			IC: INTERFACE, 44V, DIFFERENTIAL 4 CHANNEL, -25 TO +85 DEGREES, PLASTIC DIP					
A	3	C	1	A1	340-000027-105			CONVERTER: DC/DC, 5VDC, 3580mA FULL CURRENT, +-400mA OUTPUT, 67% EFFICIENCY @ FL					
			121		DELETED								
			122		DELETED								

OPT.	Q U A N T I T Y	I T E M #	VME [®] PARTS LIST		CODE	REV.	DRAWING NUMBER	CHECKED	SH NO.
			REFERENCE DESIGNATOR	PART NO.					
					OBPH5	D	132-003122-000	C. Muzaffar DATE 4/11/94	12
A B C					NOMENCLATURE OR DESCRIPTION				
		123							
A 4 C	8	124	U1-8	302-000027-002	MODULE: MUX, BUFFERED, 17 PIN ZIP				
		125		DELETED					
A 4 C	1	126	U21	303-001054-000	PROGRAMMED PAL: FILE: 3122321A.POF A PROGRAMMED EPM7192QC160-3 (331-300155-013) (SEE DETAIL "C")				
A 4 C	1	127	U18	331-309131-100	IC: INTERFACE, 44V, DIFFERENTIAL 4 CHANNEL, -25 TO +85 DEGREES, PLASTIC DIP				
A 4 C	1	128	A1	340-000027-105	CONVERTER: DC/DC, 5VDC, 3580mA FULL CURRENT, +-400mA OUTPUT, 67% EFFICIENCY @ FL				
		129		DELETED					
		130		DELETED					
		131							
A 5 C	4	132	U1-4	302-000027-002	MODULE: MUX, BUFFERED, 17 PIN ZIP				
		133		DELETED					
A 5 C	1	134	U21	303-001056-000	PROGRAMMED PAL: FILE: 3122121A.POF A PROGRAMMED EPM7192QC160-3 (331-300155-013) (SEE DETAIL "C")				
A 5 C	1	135	U18	331-309131-100	IC: INTERFACE, 44V, DIFFERENTIAL 4 CHANNEL, -25 TO +85 DEGREES, PLASTIC DIP				
A 5 C	1	136	A1	340-000027-105	CONVERTER: DC/DC, 5VDC, 3580mA FULL CURRENT, +-400mA OUTPUT, 67% EFFICIENCY @ FL				
		137		DELETED					

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.
A	B	C		REFERENCE DESIGNATOR	PART NO.			OBPH5	D	132-003122-000	C. Murphy	13
MANUFACTURER'S PART NO.												
			138			DELETED						
			139									
0	0	C	64	C1-64			(NO PARTS USED FOR THIS OPTION)					
1	0	C	64	C1-64	315-205001-185		CAP: 1.8uF, .200 LEAD SPACE, 20%, 50V, Z5U, CERAMIC MONOLYTHIC				C33(0,3)C185M5U5CA	(KEMET)
2	0	C	64	C1-64	315-205001-394		CAP: .39uF, .200 LEAD SPACE, 20%, 50V, Z5U, CERAMIC MONOLYTHIC				C32(2,3)C394M5U5CA	(KEMET)
3	0	C	64	C1-64	315-205001-184		CAP: .18uF, .200 LEAD SPACE, 20%, 50V, Z5U, CERAMIC MONOLYTHIC				C32(2,3)C184M5U5CA	(KEMET)
4	0	C	64	C1-64	315-205001-393		CAP: .039uF, .200 LEAD SPACE, 20%, 50V, Z5U, CERAMIC MONOLYTHIC				C32(2,3)C393M5U5CA	(KEMET)
			145									
0	1	C		C1-16,33-48			(NO PARTS USED FOR THIS OPTION)					
1	1	C	32	C1-16,33-48	315-205001-185		CAP: 1.8uF, .200 LEAD SPACE, 20%, 50V, Z5U, CERAMIC MONOLYTHIC				C33(0,3)C185M5U5CA	(KEMET)
2	1	C	32	C1-16,33-48	315-205001-394		CAP: .39uF, .200 LEAD SPACE, 20%, 50V, Z5U, CERAMIC MONOLYTHIC				C32(2,3)C394M5U5CA	(KEMET)
3	1	C	32	C1-16,33-48	315-205001-184		CAP: .18uF, .200 LEAD SPACE, 20%, 50V, Z5U, CERAMIC MONOLYTHIC				C32(2,3)C184M5U5CA	(KEMET)
4	1	C	32	C1-16,33-48	315-205001-393		CAP: .039uF, .200 LEAD SPACE, 20%, 50V, Z5U, CERAMIC MONOLYTHIC				C32(2,3)C393M5U5CA	(KEMET)
			151									
0	2	C		C1-8,33-40			(NO PARTS USED FOR THIS OPTION)					

OPT.		Q U A N T I T Y	I T E M #	VME [®] PARTS LIST VME MICROSYSTEMS INT'L CORP.		CODE OBPH5	REV. D	DRAWING NUMBER 132-003122-000	CHECKED C. Muzer DATE 4/11/94	SH NO. 14	
A	B	C	REFERENCE DESIGNATOR	PART NO.	NOMENCLATURE OR DESCRIPTION						
1	2	C	153	C1-8,33-40	315-205001-185	CAP: 1.8uF, .200 LEAD SPACE, 20%, 50V, Z5U, CERAMIC MONOLYTHIC					C33(0,3)C185M5U5CA (KEMET)
2	2	C	154	C1-8,33-40	315-205001-394	CAP: .39uF, .200 LEAD SPACE, 20%, 50V, Z5U, CERAMIC MONOLYTHIC					C32(2,3)C394M5U5CA (KEMET)
3	2	C	155	C1-8,33-40	315-205001-184	CAP: .18uF, .200 LEAD SPACE, 20%, 50V, Z5U, CERAMIC MONOLYTHIC					C32(2,3)C184M5U5CA (KEMET)
4	2	C	156	C1-8,33-40	315-205001-393	CAP: .039uF, .200 LEAD SPACE, 20%, 50V, Z5U, CERAMIC MONOLYTHIC					C32(2,3)C393M5U5CA (KEMET)
			157								
0	3	C	158	C1-64		(NO PARTS USED FOR THIS OPTION)					
1	3	C	159	C1-64	315-205001-185	CAP: 1.8uF, .200 LEAD SPACE, 20%, 50V, Z5U, CERAMIC MONOLYTHIC					C33(0,3)C185M5U5CA (KEMET)
2	3	C	160	C1-64	315-205001-394	CAP: .39uF, .200 LEAD SPACE, 20%, 50V, Z5U, CERAMIC MONOLYTHIC					C32(2,3)C394M5U5CA (KEMET)
3	3	C	161	C1-64	315-205001-184	CAP: .18uF, .200 LEAD SPACE, 20%, 50V, Z5U, CERAMIC MONOLYTHIC					C32(2,3)C184M5U5CA (KEMET)
4	3	C	162	C1-64	315-205001-393	CAP: .039uF, .200 LEAD SPACE, 20%, 50V, Z5U, CERAMIC MONOLYTHIC					C32(2,3)C393M5U5CA (KEMET)
			163								
0	4	C	164	C1-16,33-48		(NO PARTS USED FOR THIS OPTION)					
1	4	C	165	C1-16,33-48	315-205001-185	CAP: 1.8uF, .200 LEAD SPACE, 20%, 50V, Z5U, CERAMIC MONOLYTHIC					C33(0,3)C185M5U5CA (KEMET)
2	4	C	166	C1-16,33-48	315-205001-394	CAP: .39uF, .200 LEAD SPACE, 20%, 50V, Z5U, CERAMIC MONOLYTHIC					C32(2,3)C394M5U5CA (KEMET)

OPT.	Q U A N T I T Y	I T E M #	V M I C [®] PARTS LIST		CODE	REV.	DRAWING NUMBER	CHECKED	SH NO.
			REFERENCE DESIGNATOR	PART NO.					
			VME MICROSYSTEMS INT'L CORP.		OBPH5	D	132-003122-000	C. Muxx DATE 4/11/94	15
					NOMENCLATURE OR DESCRIPTION				
					MANUFACTURER'S PART NO.				
3	4	C	C1-16,33-48	315-205001-184	CAP: .18uF, .200 LEAD SPACE, 20%, 50V, Z5U, CERAMIC MONOLYTHIC			C32(2,3)C184M5U5CA (KEMET)	
4	4	C	C1-16,33-48	315-205001-393	CAP: .039uF, .200 LEAD SPACE, 20%, 50V, Z5U, CERAMIC MONOLYTHIC			C32(2,3)393M5U5CA (KEMET)	
0	5	C	C1-8,33-40		(NO PARTS USED FOR THIS OPTION)				
1	5	C	C1-8,33-40	315-205001-185	CAP: .18uF, .200 LEAD SPACE, 20%, 50V, Z5U, CERAMIC MONOLYTHIC			C33(0,3)C185M5U5CA (KEMET)	
2	5	C	C1-8,33-40	315-205001-394	CAP: .39uF, .200 LEAD SPACE, 20%, 50V, Z5U, CERAMIC MONOLYTHIC			C32(2,3)C394M5U5CA (KEMET)	
3	5	C	C1-8,33-40	315-205001-184	CAP: .18uF, .200 LEAD SPACE, 20%, 50V, Z5U, CERAMIC MONOLYTHIC			C32(2,3)C184M5U5CA (KEMET)	
4	5	C	C1-8,33-40	315-205001-393	CAP: .039uF, .200 LEAD SPACE, 20%, 50V, Z5U, CERAMIC MONOLYTHIC			C32(2,3)393M5U5CA (KEMET)	
								AKB8MUXZ (ACCUTEK)	
					RESISTOR: 6.98K OHM, 1/8W, 1%, 50PPM, METAL FILM RN50C TYPE				
					RESISTOR: 200 OHM, 1/8W, 5%, CARBON FILM				
					CAP: CERAMIC CHIP, 100pF, 50V, 10%, COG (NPO) EIA 1206 TAPE & REEL (SEE SHEET 3A)			C1206C101K5GAC (KEMET)	
					CAP: CERAMIC CHIP, 0.1uF, 10%, 50V, X7R EIA 1206 (SEE SHEET 3A)			C1206C104K5RAC (KEMET)	
					PROGRAMMED PAL: FILE: 312622A.POF A PROGRAMMED EPM71600C160-2 (331-300154-012) (SEE DETAIL "C")				

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	D	132-003122-000	DATE	16
						MANUFACTURER'S PART NO.				
			U27-29,31	311-000042-000	AMP: OPERATIONAL, PRECISION, 16 MHz, JFET INPUT, 100V/ns, 8 PIN, PLASTIC DIP	AD845(KN,BQ) (ANALOG DEVICES)				
			U32,47	311-000043-003	AMP: OPERATIONAL, HIGH SPEED, DUAL, 5 MHz, LOW DRIFT, HERMETIC DIP	QP271FZ (ANALOG DEVICES)				
			R87	347-000021-226	RESISTOR: CHIP, 22M OHM, 1/8W, 5%, EIA SIZE 1206	RM73B28T226J (KOA)				