

1260 VXI SWITCHING CARD

1260-50A/B 200MHz MULTIPLEXER MODULE

PUBLICATION NO. 980673-015

RACAL INSTRUMENTS

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1. Product serial number
2. Product model number
3. Your company and contact information

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RETURN of PRODUCT

Authorization is required from Racal Instruments before you send us your product for service or calibration. Call your nearest Racal Instruments support facility. A list is located on the last page of this manual. If you are unsure where to call, contact Racal Instruments, Inc. Customer Support Department in Irvine, California, USA at 1-800-722-3262 or 1-949-859-8999 or via fax at 1-949-859-7139. We can be reached at:

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FOR YOUR SAFETY

Before undertaking any troubleshooting, maintenance or exploratory procedure, read carefully the **WARNINGS** and **CAUTION** notices.

This equipment contains voltage hazardous to human life and safety, and is capable of inflicting personal injury.

If this instrument is to be powered from the AC line (mains) through an autotransformer, ensure the common connector is connected to the neutral (earth pole) of the power supply.

Before operating the unit, ensure the conductor (green wire) is connected to the ground (earth) conductor of the power outlet. Do not use a two-conductor extension cord or a three-prong/two-prong adapter. This will defeat the protective feature of the third conductor in the power cord.

Maintenance and calibration procedures sometimes call for operation of the unit with power applied and protective covers removed. Read the procedures and heed warnings to avoid “live” circuit points.

Before operating this instrument:

1. Ensure the instrument is configured to operate on the voltage at the power source. See Installation Section.
2. Ensure the proper fuse is in place for the power source to operate.
3. Ensure all other devices connected to or in proximity to this instrument are properly grounded or connected to the protective third-wire earth ground.

If the instrument:

- fails to operate satisfactorily
- shows visible damage
- has been stored under unfavorable conditions
- has sustained stress

Do not operate until performance is checked by qualified personnel.

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NOTE FOR SYSTEMS WITH 1260-OPT 01T

The “Module-Specific Syntax” section of this manual shows the command syntax for the 1260-01S Smart Card. If you are using the newer 1260-01T Smart Card, the commands will NOT work as shown.

Consult the 1260-01T Manual for a description of the commands that may be used with the 1260-01T Smart Card.

The channel numbers described in this manual are valid for the 1260-01T. The channel numbers continue to be used for the 1260-01T.

The syntax of the commands that use channel numbers has changed for those cards controlled by the 1260-01T.

The new syntax used to close a channel is:

```
CLOSE (@ <module address> ( <channel> ) )
```

For example, for a relay module whose <module address> is set to 7, closing <channel> 0 is performed with the command:

```
CLOSE (@7 (0))
```

Using the older 1260-01S, the command would be (as shown in this manual):

```
CLOSE 7.0
```

Many other command syntax differences exist. Please consult chapter 2 of the 1260-01T manual for a description of the commands that are available for the 1260-01T.

Control Information for the 1260-50A and –50C

The following information describes the control-register-to-relay-channel mapping for a 1260-50A and 1260-50C Relay Modules. This information may be used to control a 1260-50A (50C) when using a 1260-01T in the register-based mode of operation.

Each relay on this module is controlled by setting or clearing a single bit within a Control Register. Control Registers on the module operate 8 channels simultaneously. There are eight control bits per Control Register. Setting the bit to a 1 closes the relay; setting the bit to a 0 opens the relay.

The table below shows the mapping from logical channels to control bits. The logical channels are used when operating the relay module in message-based mode. The control bits within the Control Registers are used to operate the module in register-based mode.

Each Control Register is located 2 addresses from the previous Control Register. That is, each Control Register is located at an odd address. This is shown in Table 2-2 of the 1260-01T manual. Control Register 0 is located at the “Base A24 Address” for the module. Consult the “Register-Based Operation” Section of Chapter 2 of the 1260-01T manual for a description of calculating control register addresses.

Channel	Control Register	Control Bit
0	0	2
1	0	0
2	0	1
3	0	3
4	0	4
10	1	0
11	0	6
12	0	7
13	1	1
14	1	2
19	0	5
20	1	6
21	1	5
22	1	6
23	1	7
24	2	0
29	1	3
30	2	4
31	2	2
32	2	3
33	2	5
34	2	6
39	2	1
40	3	2
41	3	0
42	3	1
43	3	3
44	3	4
49	2	7
50	5	5
51	5	6
52	5	2
53	5	4
54	5	3
59	3	5
60	4	7
61	4	5
62	4	4
63	4	6
64	5	0
69	5	7
70	4	1
71	3	7
72	3	6

Channel	Control Register	Control Bit
73	4	0
74	4	2
79	5	1
80	6	3
81	6	1
82	6	0
83	6	2
84	6	4
89	4	3
90	7	1
91	6	7
92	6	6
93	7	0
94	7	2
99	6	5
100	7	6
101	7	4
102	7	5
103	7	7
104	8	0
109	7	3
110	8	4
111	8	2
112	8	3
113	8	5
114	8	6
119	8	1
120	9	2
121	9	0
122	9	1
123	9	3
124	9	4
129	8	7
130	10	0
131	9	6
132	9	7
133	10	1
134	10	2
139	9	5
140	10	6
141	10	4
142	10	5
143	10	7
144	11	0
149	10	3
150	11	4
151	11	2
152	11	3
153	11	5
154	11	6
159	11	1

Control Information for the 1260-50B and –50D

The following information describes the control-register-to-relay-channel mapping for a 1260-50B and 1260-50D Relay Modules. This information may be used to control a 1260-50B (50D) when using a 1260-01T in the register-based mode of operation.

Each relay on this module is controlled by setting or clearing a single bit within a Control Register. Control Registers on the module operate 8 channels simultaneously. There are eight control bits per Control Register. Setting the bit to a 1 closes the relay; setting the bit to a 0 opens the relay.

The table below shows the mapping from logical channels to control bits. The logical channels are used when operating the relay module in message-based mode. The control bits within the Control Registers are used to operate the module in register-based mode.

Each Control Register is located 2 addresses from the previous Control Register. That is, each Control Register is located at an odd address. This is shown in Table 2-2 of the 1260-01T manual. Control Register 0 is located at the “Base A24 Address” for the module. Consult the “Register-Based Operation” Section of Chapter 2 of the 1260-01T manual for a description of calculating control register addresses.

Channel	Control Register	Control Bit
0	0	2
1	0	0
2	0	1
3	0	3
4	0	4
10	1	0
11	0	6
12	0	7
13	1	1
14	1	2
19	0	5
20	1	6
21	1	5
22	1	6
23	1	7
24	2	0
29	1	3
30	2	4
31	2	2
32	2	3
33	2	5
34	2	6
39	2	1
40	3	2
41	3	0
42	3	1
43	3	3
44	3	4
49	2	7
50	5	5
51	5	6
52	5	2
53	5	4
54	5	3
59	3	5
60	4	7
61	4	5
62	4	4
63	4	6
64	5	0
69	5	7
70	4	1
71	3	7
72	3	6

Channel	Control Register	Control Bit
73	4	0
74	4	2
79	5	1

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Chapter 1

INTRODUCTION

1260-50A/B 200MHz Multiplexer Module

The 1260-50A/B provides eight/sixteen 1 x 4 multiplexers (refer to the Functional Diagram Figure 1-2). Relays CHI9, 29,..., 159 provide for the connections between the adjacent 1 x 4 groups under software control. Thus, the 1260-50A/B module can be configured as multiplexers up to 1 x 39/1 x 79 size. The 200 MHz bandwidth is guaranteed for all possible multiplexer sizes. The only restriction is the groups not needed for a connection between any two channels have to be disconnected to achieve 200 MHz bandwidth.

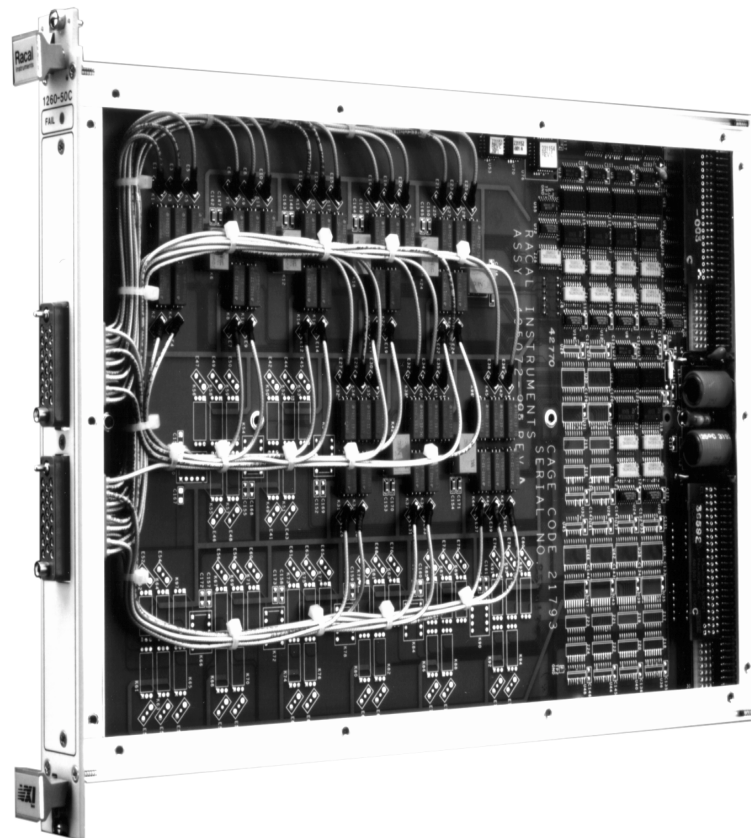


Figure 1-1, 1260-50A/B

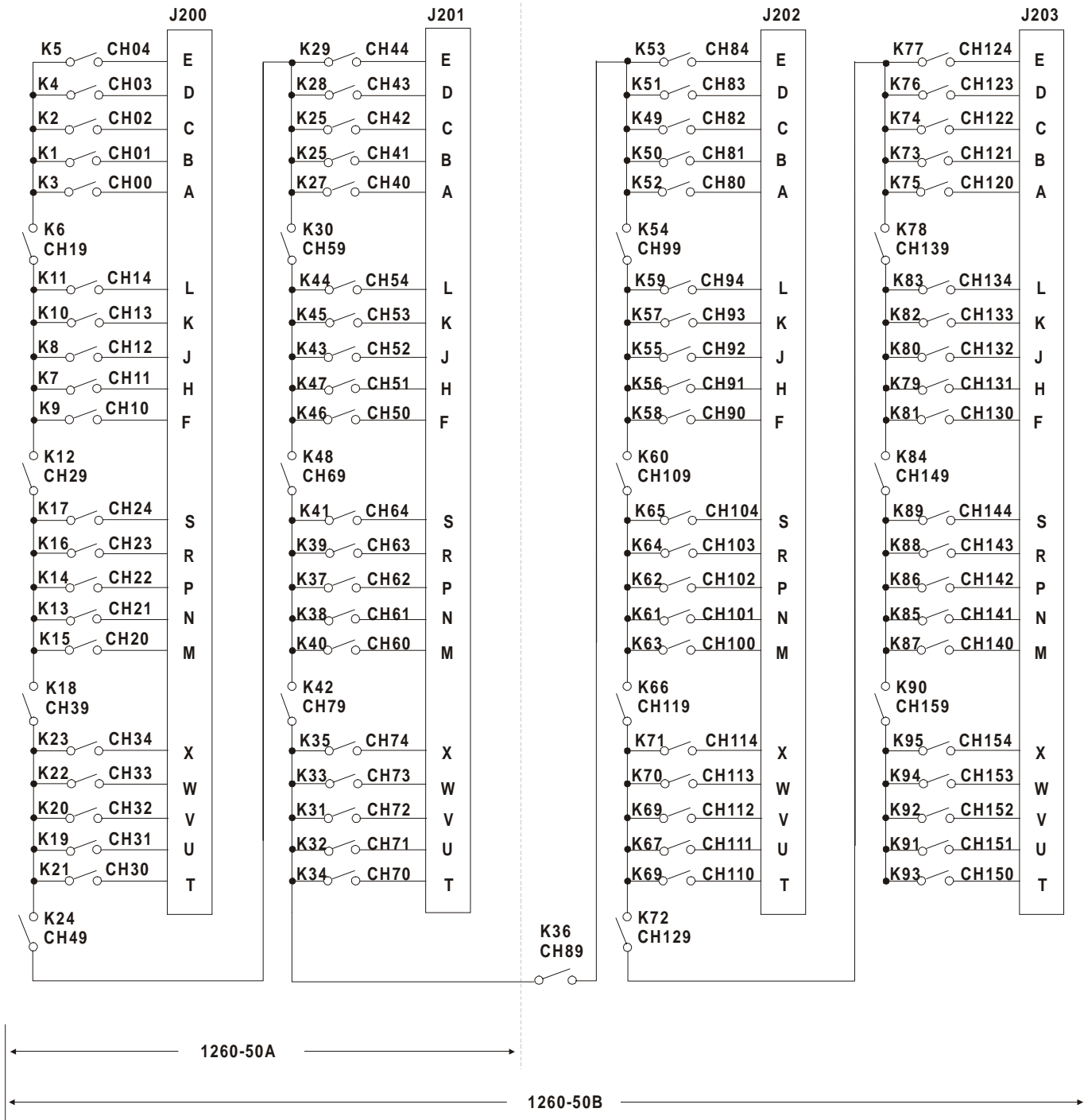


Figure 1-2, 1260-50A/B Functional Diagram

Specifications

Minimum Option 01 Firmware Revision	18.1
User Connector	GMCT Series Crimp Shielded Contact from ERNI
Maximum Switchable Voltage (Signal to Ground)	200V DC/Peak AC Resistive Load
Maximum Switchable Current Per Channel	0.5A DC/Peak AC Resistive Load
Maximum Carry Current Per Channel	1 A DC/Peak AC Resistive load
Life Expectancy Typical at Signal Level <1.0 V, .010 A	250 x 10 ⁶
DC Performance	
Path Resistance	<0.7 Ohm
AC Performance	
Impedance	50 Ohm
Bandwidth (-3 dB)	>200 MHz
Insertion Loss (1 x 4 Multiplexer)	<0.70 dB at 100 MHz
Crosstalk Across Groups 50 Ohm Termination	10 MHz: <= -40 dB 100 MHz: <= -40 dB 200 MHz: <= -35 dB
Isolation Between Channels 50 Ohm Termination	10 MHz: <= -40 dB 100 MHz: <= -40 dB 200 MHz: <= -35 dB
VSWR (50 Ohm Termination) (1 x 4 Multiplexer)	1.3 :1 at 100 MHz

Rise Time (Typical 1 x 4 Multiplexer)	1.6 ns
Fall Time (Typical 1 x 4 Multiplexer)	1.6 ns
Propagation Delay Time (Typical 1 x 4 Multiplexer)	3 ns
Switching Time	39 ± 5mS

Cooling Requirements

Airflow	4 litres / sec
Backpressure	0.5 mm H ₂ O

Power Requirements (*pm)

+5 V	2.5 A
+12 V	0.5 A
Weight	1.174 Kg (2.59 lbs) without Option OI
	1.315 Kg (2.90 lbs) with Option OI

Coaxial Cable, Optional

Racal Instruments P/N	Length, Feet	Insert ion Loss @200 MHz	VSWR @ 100 MHz
407184-001	2	<.5 dB	1.2:1
407184-003	6	< 1.0 dB	1.2:1
407184-006	12	<2.0 dB	1.2 :1

Coaxial cables have been tested to 1GHz, and are available as an option. Each cable contains a coaxial pin at each end. The cables are available in 2, 6, and 12 feet, and can be cut by customers to any length. (Example: The 6-foot cable can be cut to two 3-foot or one 2-foot and one 4-foot cable.) Coax pins (P/N 602144-900) may be purchased separately. The 1260-SOA requires 40, and the 1260-SOB requires 80. To crimp coaxial pins, use crimp tool TMDC 16CX4 from Hughes or Die #X-530 and Handle # HX3 from Daniels.

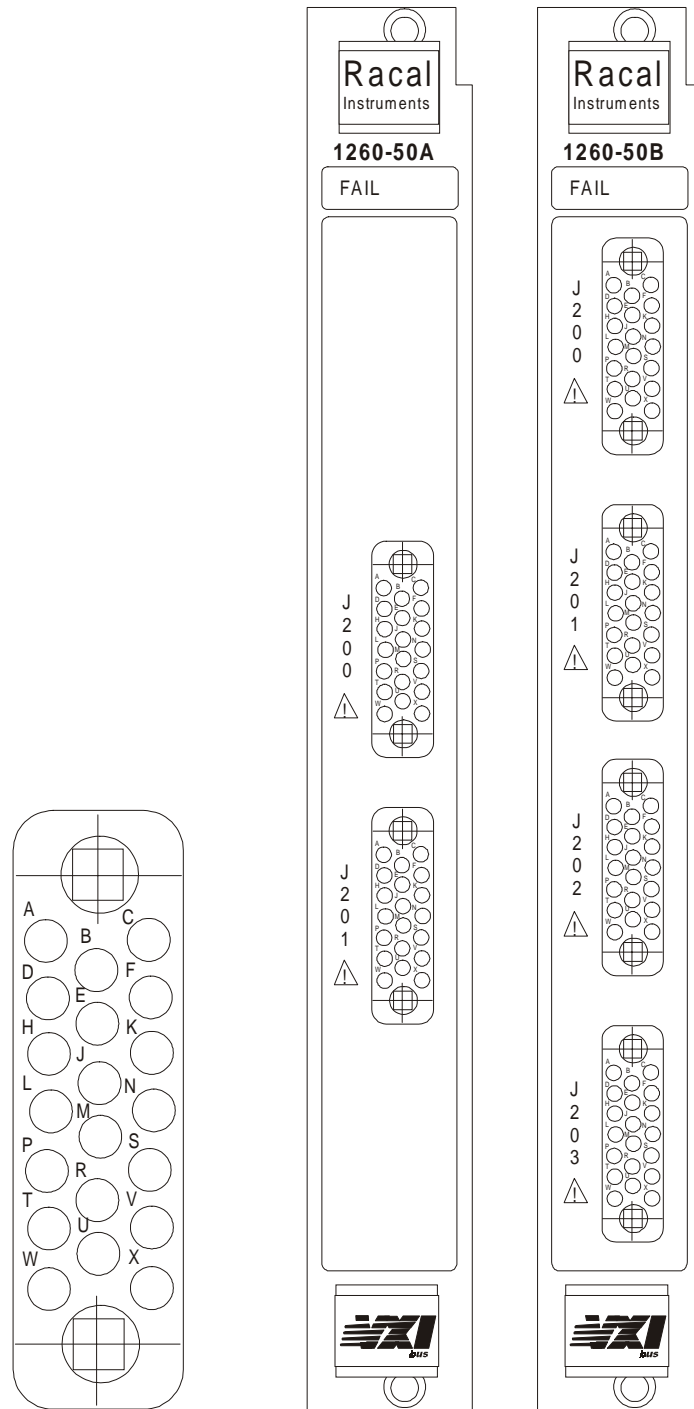


Figure 1-3, 1260-50A/B Front Panel and J200-J203 Connector Pin Configuration

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Chapter 2

INSTALLATION INSTRUCTIONS

Unpacking and Inspection

Before unpacking the switching module, check the exterior of the shipping carton for any signs of damage. All irregularities should be noted on the shipping bill. Remove the instrument from its carton, preserving the factory packaging as much as possible. Inspect the switching module for any defect or damage. Immediately notify the carrier if any damage is apparent. Have a qualified person check the instrument for safety before use.

Reshipment Instructions

Use the original packing when returning the switching module to Racal Instruments for calibration or servicing. The original shipping carton and the instrument's plastic foam will provide the necessary support for safe reshipment. If the original packing is unavailable, wrap the switching module in plastic sheeting and use plastic spray foam to surround and protect the instrument. Reship in either the original or a new shipping carton.

Option 01 Installation

Installation of the Option 01 to the 1260-50A/B is described in the Installation section of the 1260 Series VXI Switching Cards Manual.

Module Installation

Installation of the 1260-50A/B Switching Module into a VXI mainframe, including the setting of DIP switches, is described in the Installation section of the 1260 Series VXI Switching Cards Manual. The ID byte DIP switch, SW1-5 should be set OFF for the 1260-50A module and ON for the 1260-50B module.

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Chapter 3

MODULE SPECIFIC SYNTAX

1260-50A/B Module Specific Syntax

NOTE

The 1260-50A/B Coaxial switching module is supported by the Option 01 Operating Systems at Revision levels 18.1 and above.

The 1260-50A/B RF Multiplexer supports the OPEN, CLOSE, PSETUP, RESET and PDATAOUT commands.

Syntax

The module specific syntax for the 1260-50A/B RF Multiplexer is as follows:

OPEN and CLOSE

OPEN <module address>.<channel>[;<module address> . <channel>J

where <module address> is the address.

<channel> is the relay to be closed to connect an input to the output.

Note that Channels remain closed until opened by an OPEN command, RESET command, VXI hard or soft reset or power-off.

The range of values for <channel> is:

1260-50A: 00-04, 10-14, 19
50-54, 59, 60-64, 69, 70-74, 79

1260-50B: 00-04, 10-14, 19 20-24, 29, 30-34, 39, 40-44, 49,
50-54, 59, 60-64, 69, 70-74, 79, 80-84, 89, 90-94,
99, 100-104, 109, 110-114, 119, 120-124, 129,
130-134, 139, 140-144, 149, 150-154, 159

The Module Specific Syntax for the CLOSE command is the same as for the OPEN command.

PSETUP

The PSETUP command causes the specified module setup to be transmitted to the VXI Controller. The syntax used is:

```
PSETUP <module address> [ ;<module address> ];<module address>
```

where <module address> is the address.

The responses to the PSETUP command for the 1260-50A/B multiplexer is as follows:

1260-50A:

```
<module address>.1260-50A, 8 (1x4) 200 MHz  
MULTIPLEXER MODULE <module address>.B BM
```

```
<module address>.END
```

1260-50B:

```
<module address>.1260-50B, 16 (1X4) 200 MHz  
MULTIPLEXER MODULE <module address> .B BM
```

```
<module address> .END
```

PDATAOUT

The PDATAOUT command causes the specified module to transmit the CLOSED state of the relays fitted to the switching module to the 1260 Controller. The syntax used is:

```
PDATAOUT <module address>[ <module address> ];<module address>
```

The responses to the PDATAOUT command is as follows:

1260-50A:

```
<module address>. 1 260-50A 8 (1 x4) 200 MHz  
MULTIPLEXER MODULE
```

```
<module address> .<channel>~,<channel>) f,<channel>
```

```
<module address> END
```

1260-50B:

```
<module address>.1260-50B 16 (1x4) 200 MHz  
MULTIPLEXER MODULE <module  
address>.<channel>~ ,<channel>] [<channel>]
```

```
<module address>.END
```

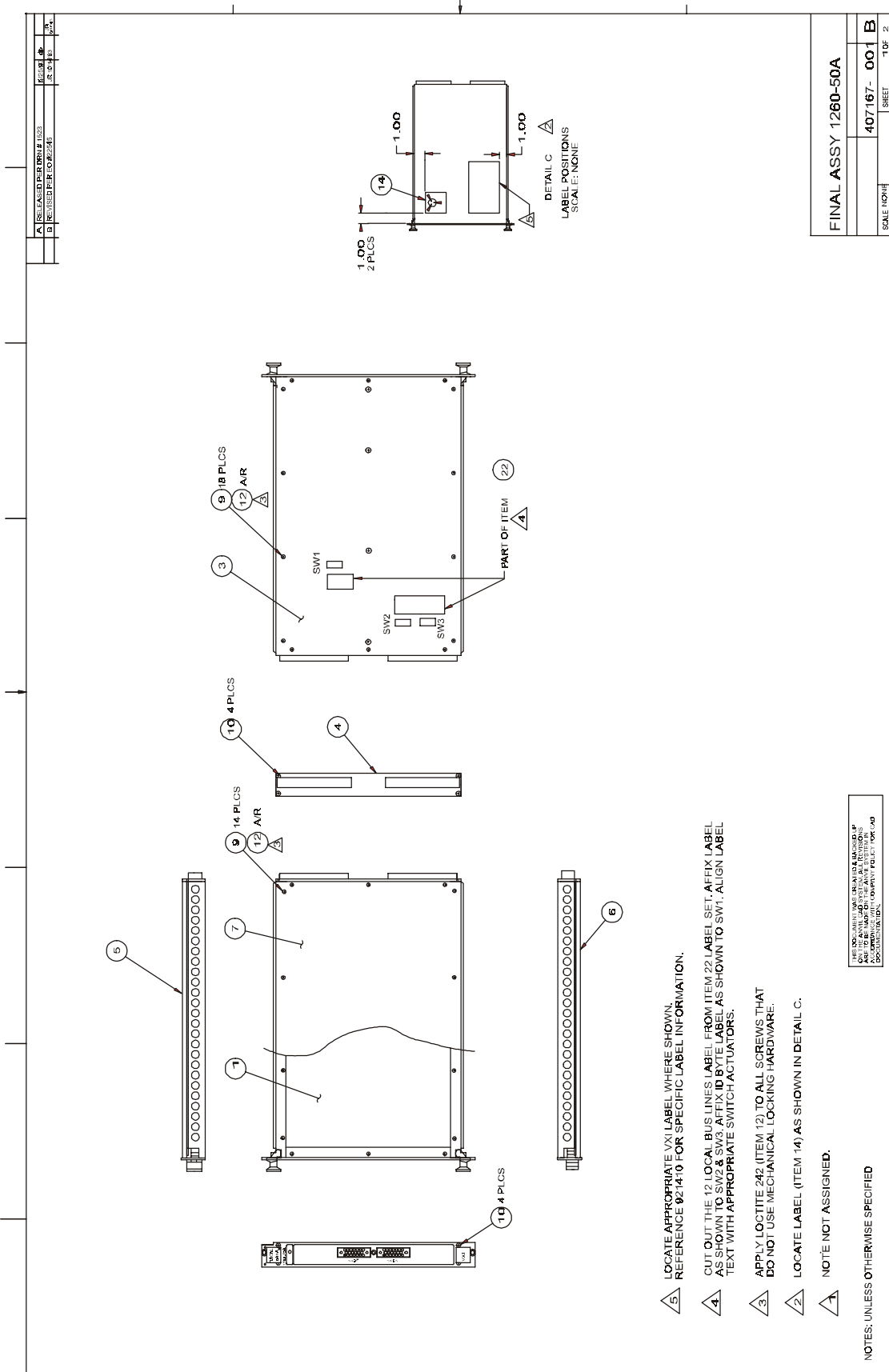

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Chapter 4

DRAWINGS

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- 5. LOCATE APPROPRIATE VXi LABEL WHERE SHOWN. REFERENCE 02:14:10 FOR SPECIFIC LABEL INFORMATION.
- 4. CUT OUT THE 12 LOCAL BUS LINES LABEL FROM ITEM 22 LABEL SET. AFFIX LABEL AS SHOWN TO SW2 & SW3. AFFIX ID BYTE LABEL AS SHOWN TO SW1. ALIGN LABEL TEXT WITH APPROPRIATE SWITCH ACTUATORS.
- 3. APPLY LOCITE 242 (ITEM 12) TO ALL SCREWS THAT DO NOT USE MECHANICAL LOCKING HARDWARE.
- 2. LOCATE LABEL (ITEM 14) AS SHOWN IN DETAIL C.
- 1. NOTE NOT ASSIGNED.

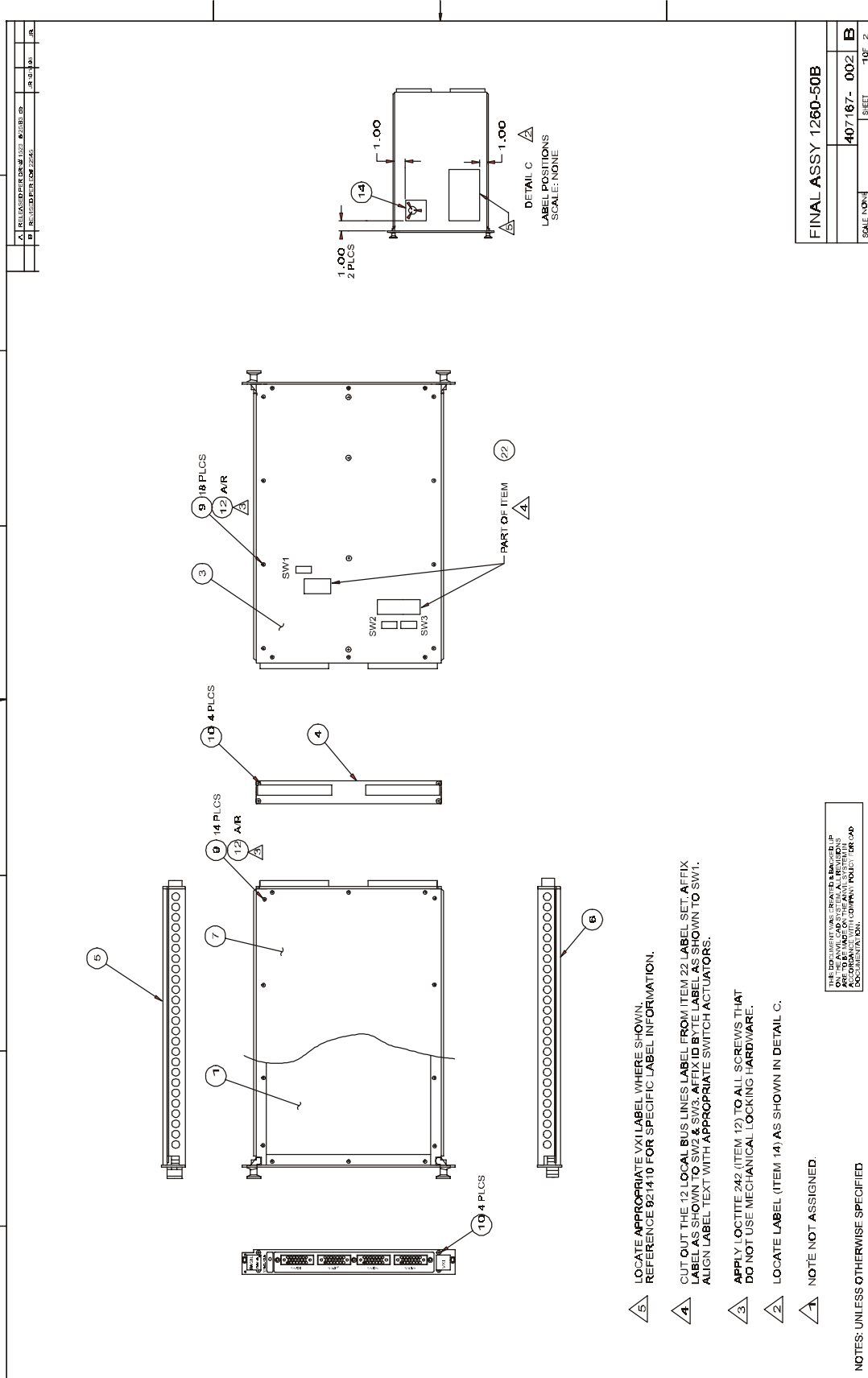
FOR IDENTIFICATION PURPOSES ONLY. THIS IS A PRELIMINARY DRAWING. THE FINAL DRAWING WILL BE THE ONE WITH THE PART NUMBER 407167-001B.

NOTES: UNLESS OTHERWISE SPECIFIED

FINAL ASSY 1260-50A

SCALE: NONE SHEET 1 OF 2

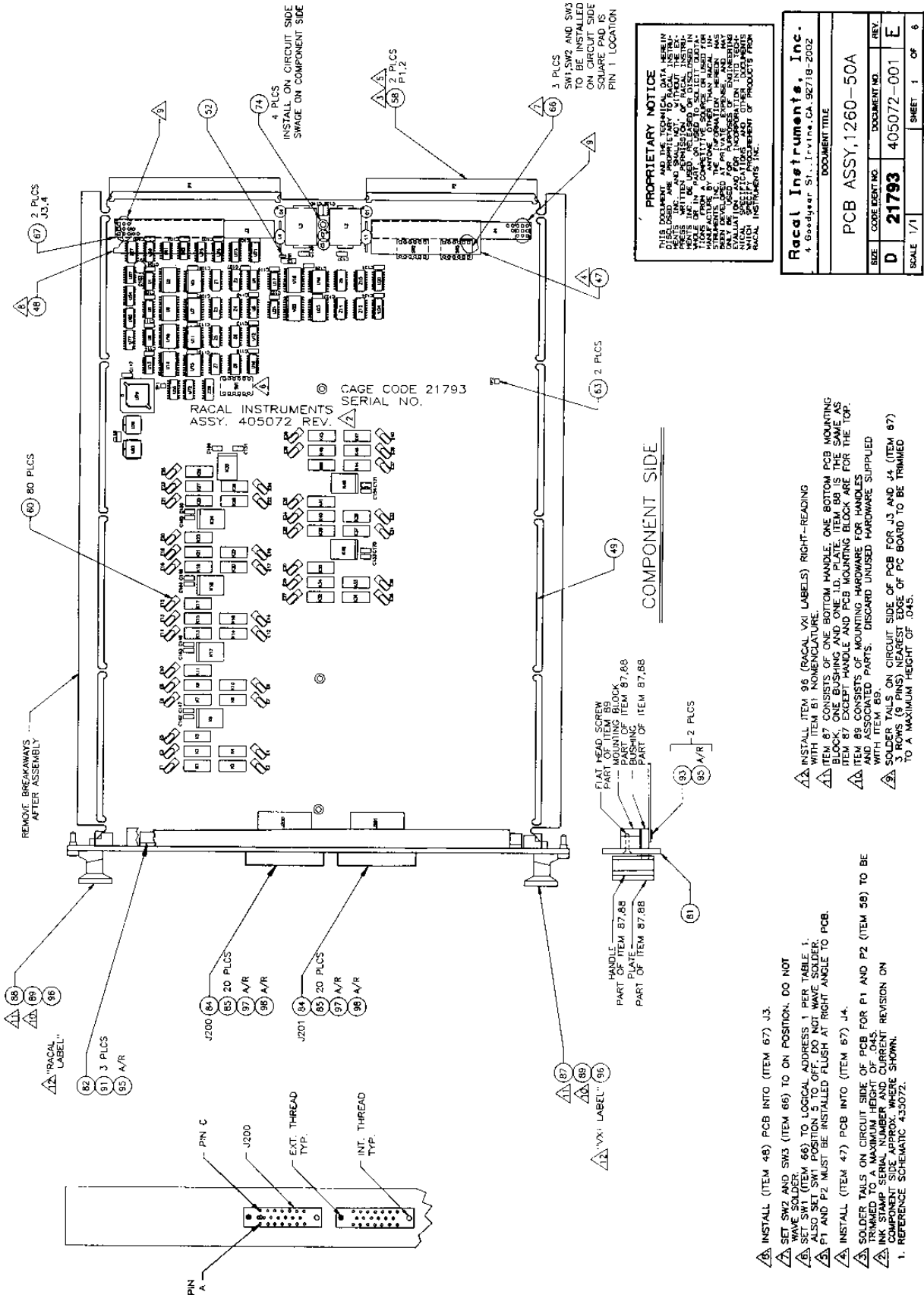
407167-001B



- 5 LOCATE APPROPRIATE VX1 LABEL WHERE SHOWN. REFERENCE 921410 FOR SPECIFIC LABEL INFORMATION.
- 4 CUT OUT THE 12 LOCAL BUS LINES LABEL FROM ITEM 22 LABEL SET. AFFIX LABEL AS SHOWN TO SW2 & SW3. AFFIX ID BYTE LABEL AS SHOWN TO SW1. ALIGN LABEL TEXT WITH APPROPRIATE SWITCH ACTUATORS.
- 3 APPLY LOC TITE 242 (ITEM 12) TO ALL SCREWS THAT DO NOT USE MECHANICAL LOCKING HARDWARE.
- 2 LOCATE LABEL (ITEM 14) AS SHOWN IN DETAIL C.
- 1 NOTE NOT ASSIGNED.

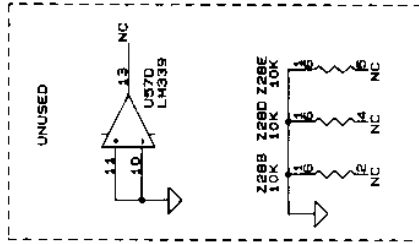
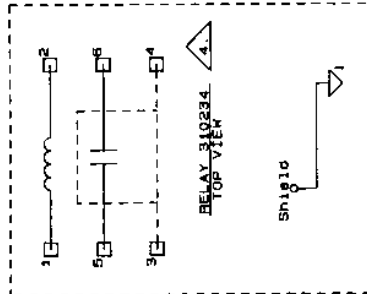
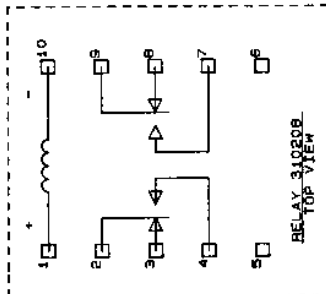
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NOTES: UNLESS OTHERWISE SPECIFIED



U76	231154 (22V10H)	28	14
U75	26LS31	15	8
U73, 74	26LS32	15	8
U71, 72, 77	74HCT253	15	8
U70	231152-001 (16L80)	20	10
U57	LM339	3	12
U55	74HCT85	16	8
U54, 55	74LS138	16	8
U53	231153 (18R4)	20	10
U4, 8, 12, 16, 20, 24, 28	74HCT165	16	8
U32, 36, 40, 44, 48, 60			
U3, 7, 11, 15, 19, 23	2803	NC	9
U27, 31, 35, 39, 43, 47			
U2, 6, 10, 14, 18, 22	74HCT273	20	10
U28, 30, 34, 38, 42, 46			
U1, 5, 9, 13, 17, 21, 25, 29	74HCT164	14	7
U33, 37, 41, 45, 61, 62			
REF.	IC	+5V	GND
DES.	TYPE	PIN NO.	PIN NO.

HIGHEST REF. DES.



Z28
W1
U77
TP2
SW3
P2
L5
K97
J203
E80
C176

6. PARTS INSTALLED FOR 405072-002 ONLY. PARTS NOT INSTALLED FOR 405072-001.

5. C5 AND C6 ARE NOT INSTALLED.

4. RELAYS RACAL P/N 310234. RELAYS ELECTROSTATIC SHIELDS (PIN 3, 4) TIED TO SIGNAL GROUND.

3. ALL RELAYS SHOWN IN DE-ENERGIZED POSITION.

2. RESISTOR NETWORKS ARE IN OHMS. +/-2%.

1. CAPACITOR VALUES ARE IN MICROFARADS. 50V. +/-20%.

NOTES: UNLESS OTHERWISE SPECIFIED

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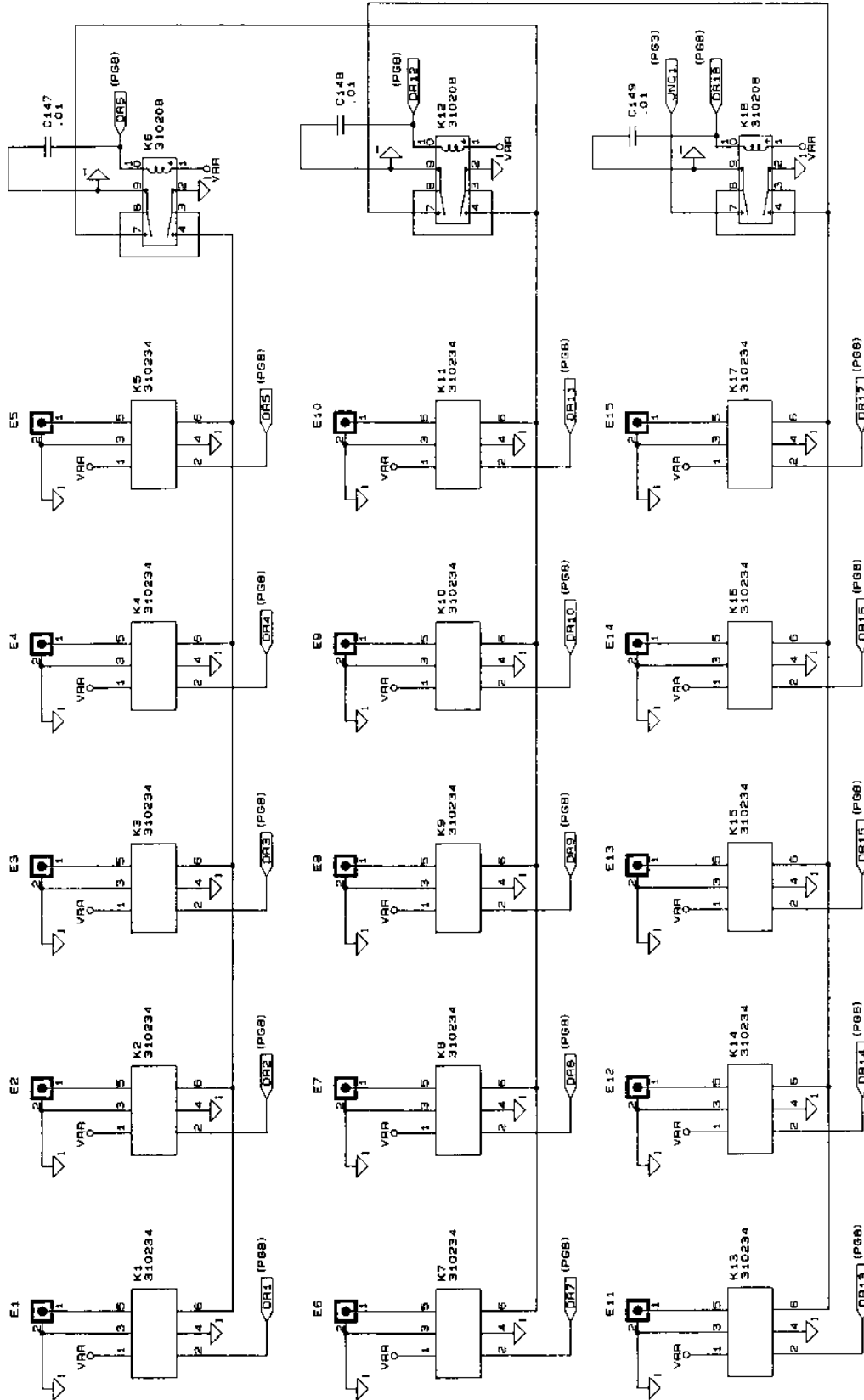
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 4 Goodyear St., Irvine, CA. 92718-2002

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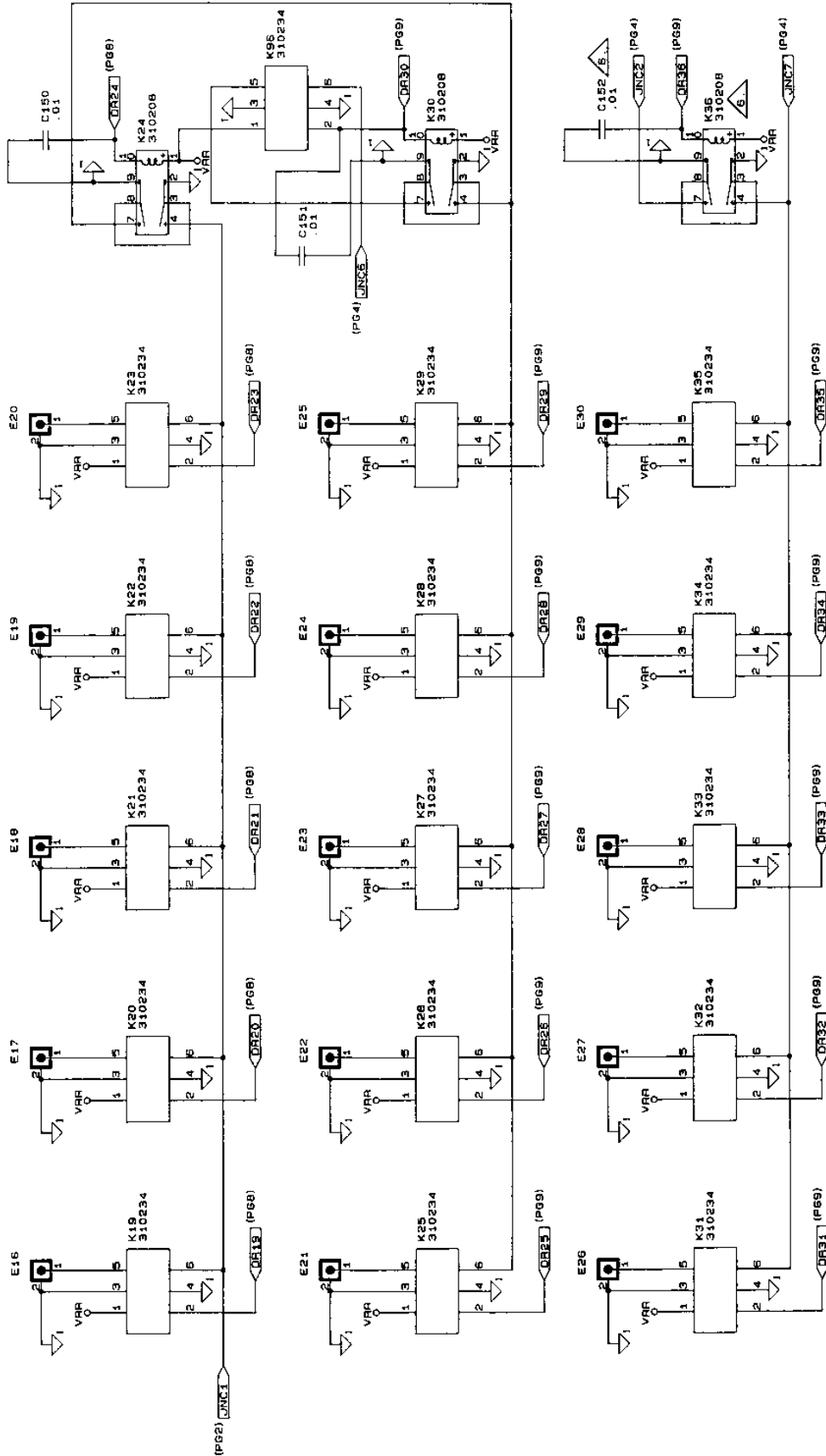
SCHEM.. 1260-50

SIZE	CAGE CODE	DOCUMENT NO.	REV.
B	21793	435072	B

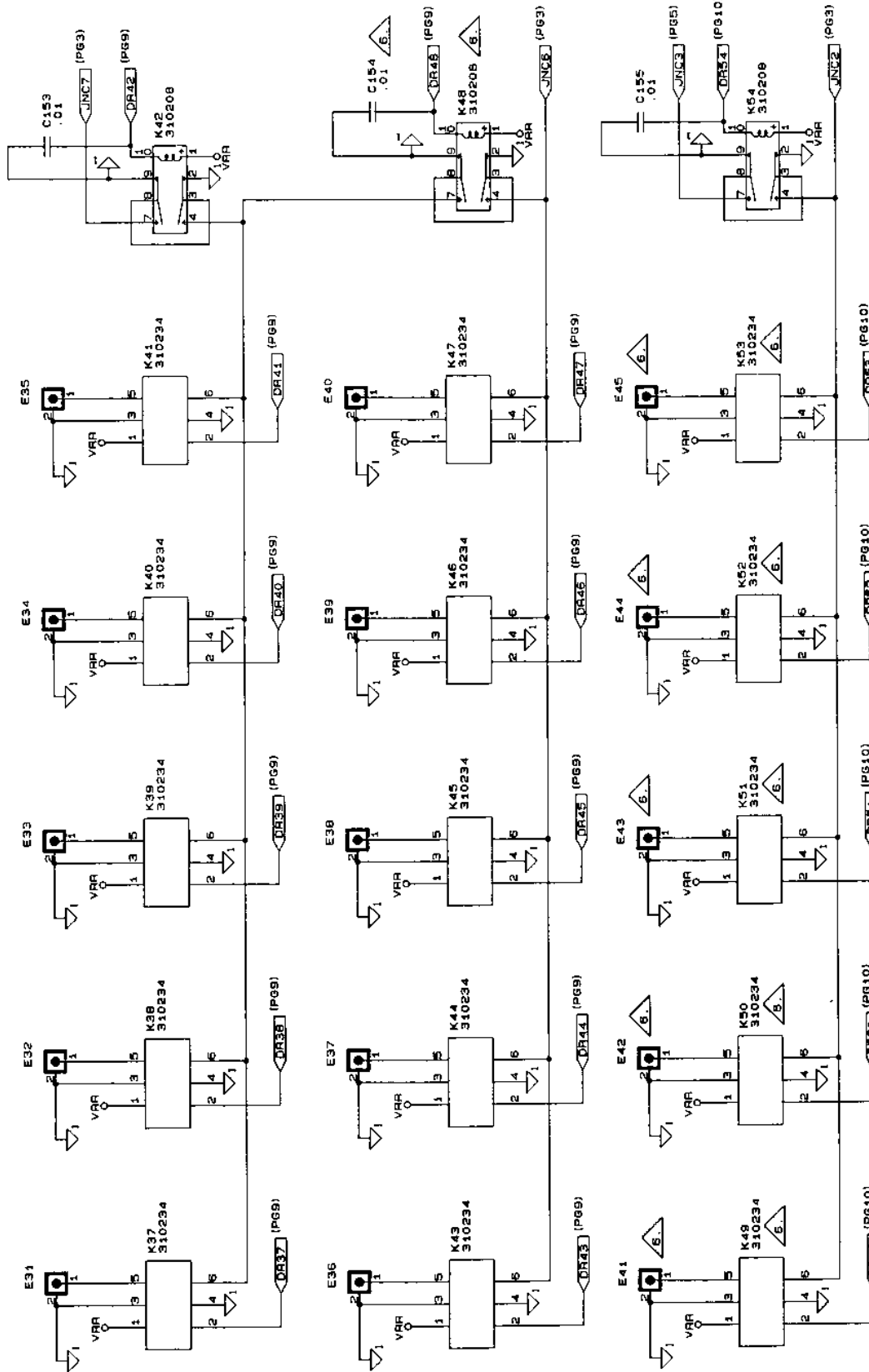
SCALE SHEET 1 OF 17



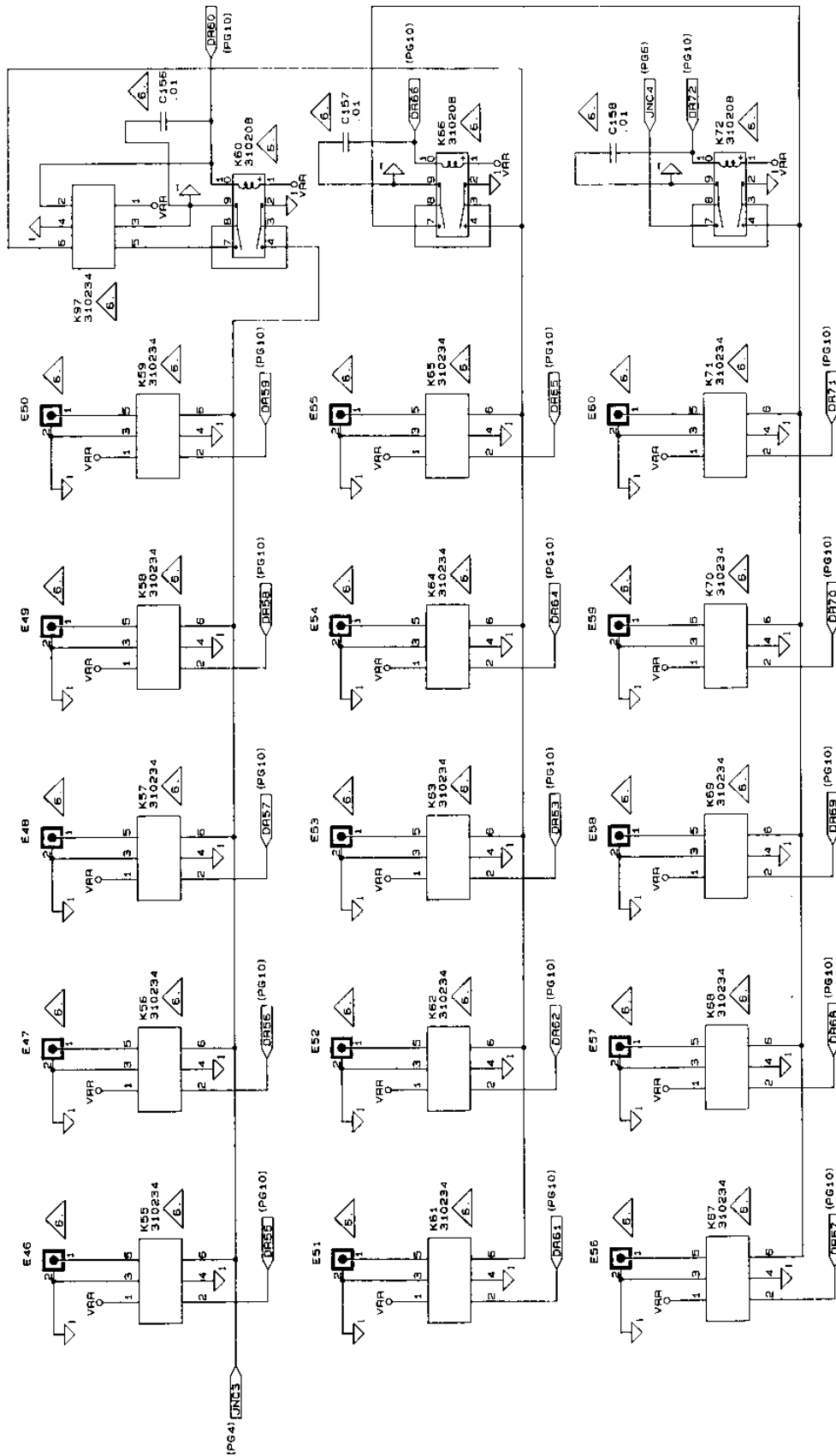
SIZE	CAGE CODE	DOCUMENT NO	REV
B	21793	435072	B
SCALE		SHEET 2	OF 17



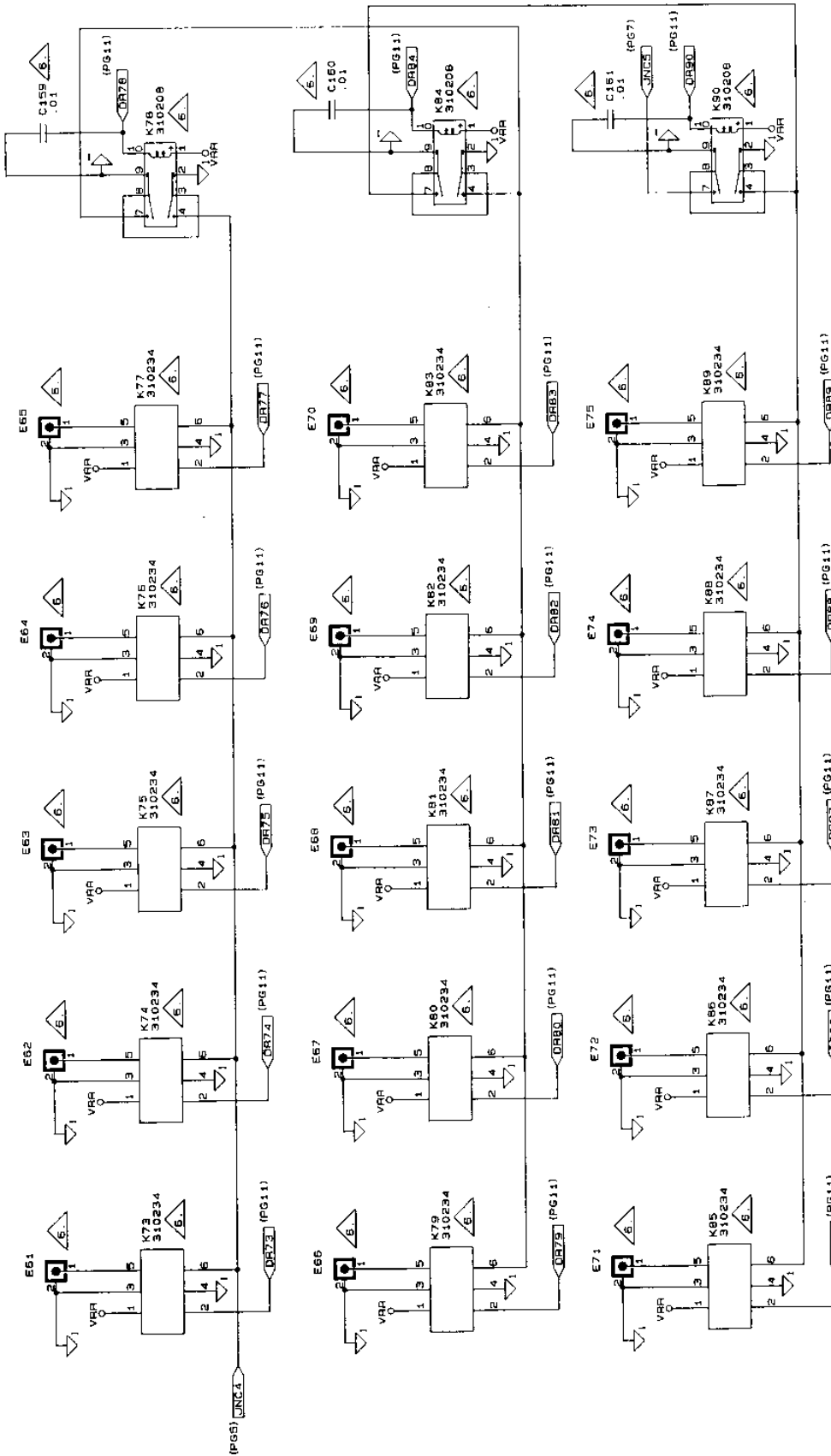
SIZE	CAGE CODE	DOCUMENT NO	REV
B	21793	435072	B
SCALE		SHEET 3	OF 17



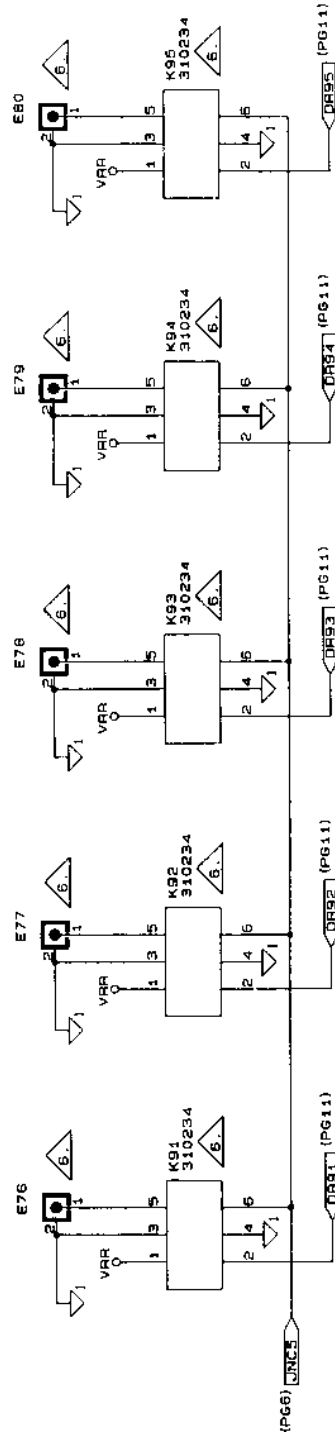
SIZE	CAGE CODE	DOCUMENT NO.	REV.
B	21793	435072	B
SCALE		SHEET 4	OF 17



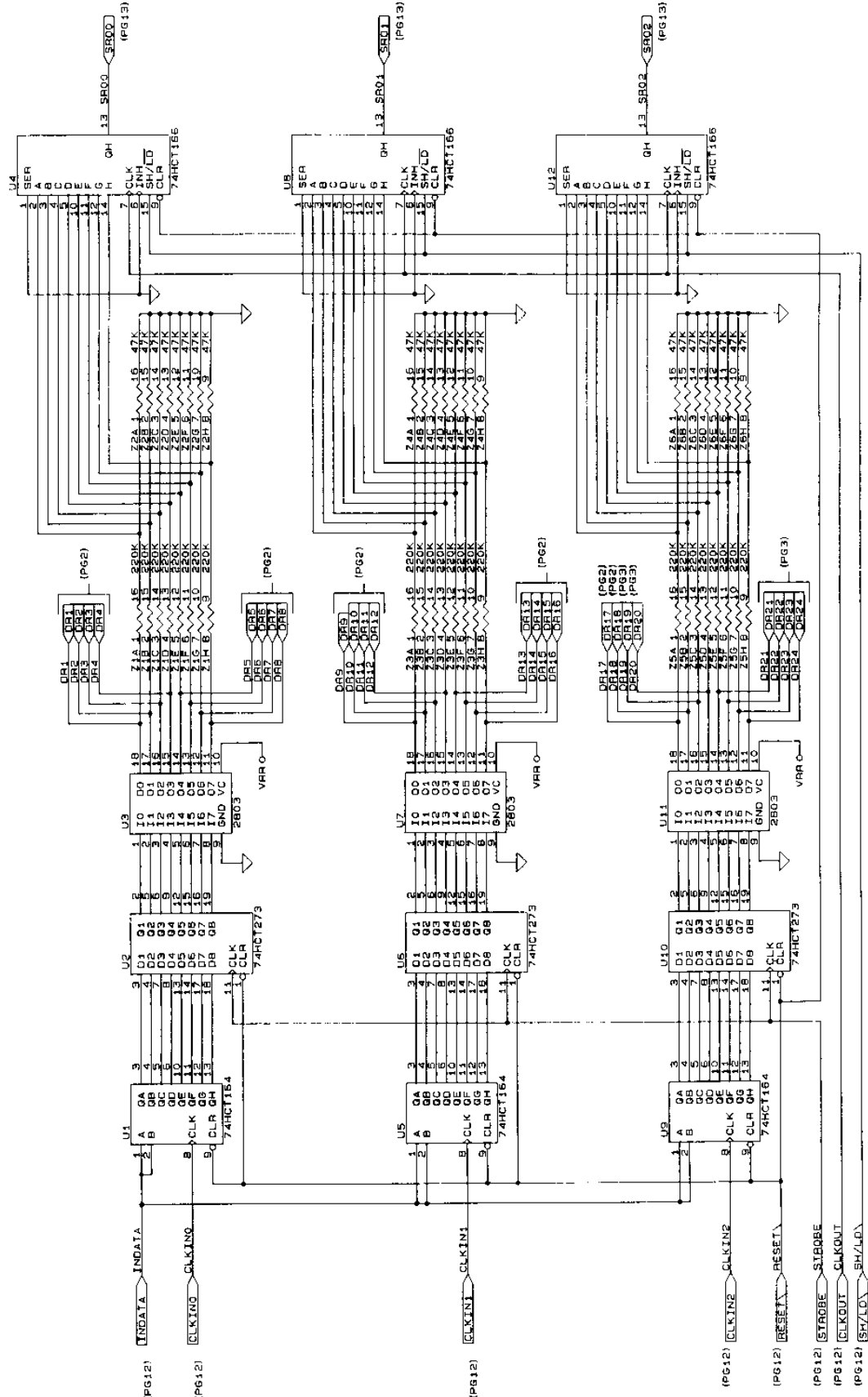
SIZE	CAGE CODE	DOCUMENT NO	REV
B	21793	435072	B
SCALE		SHEET 5	OF 17



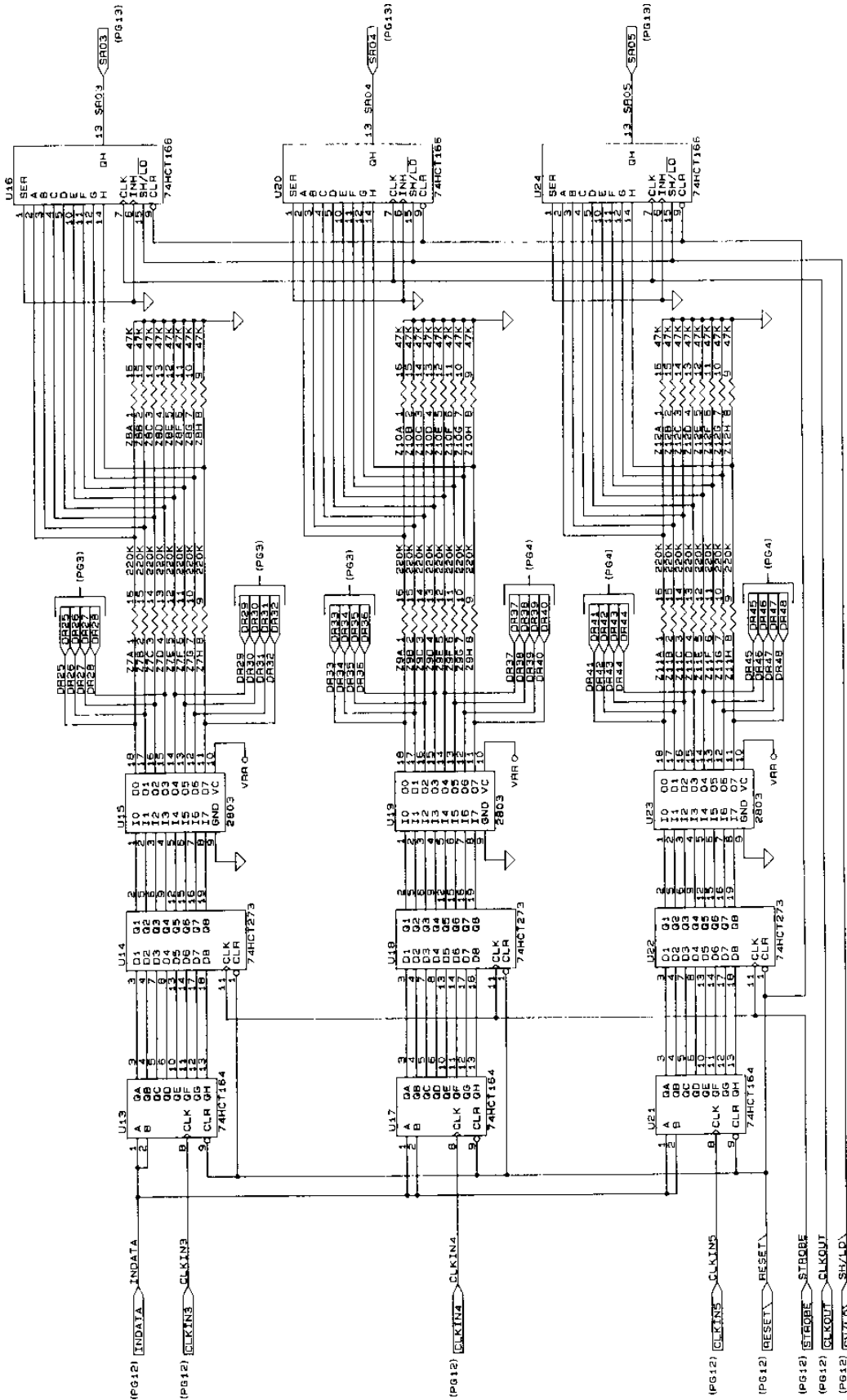
SIZE	CAGE CODE	DOCUMENT NO	REV
B	21793	435072	B
SCALE		SHEET 6	OF 17



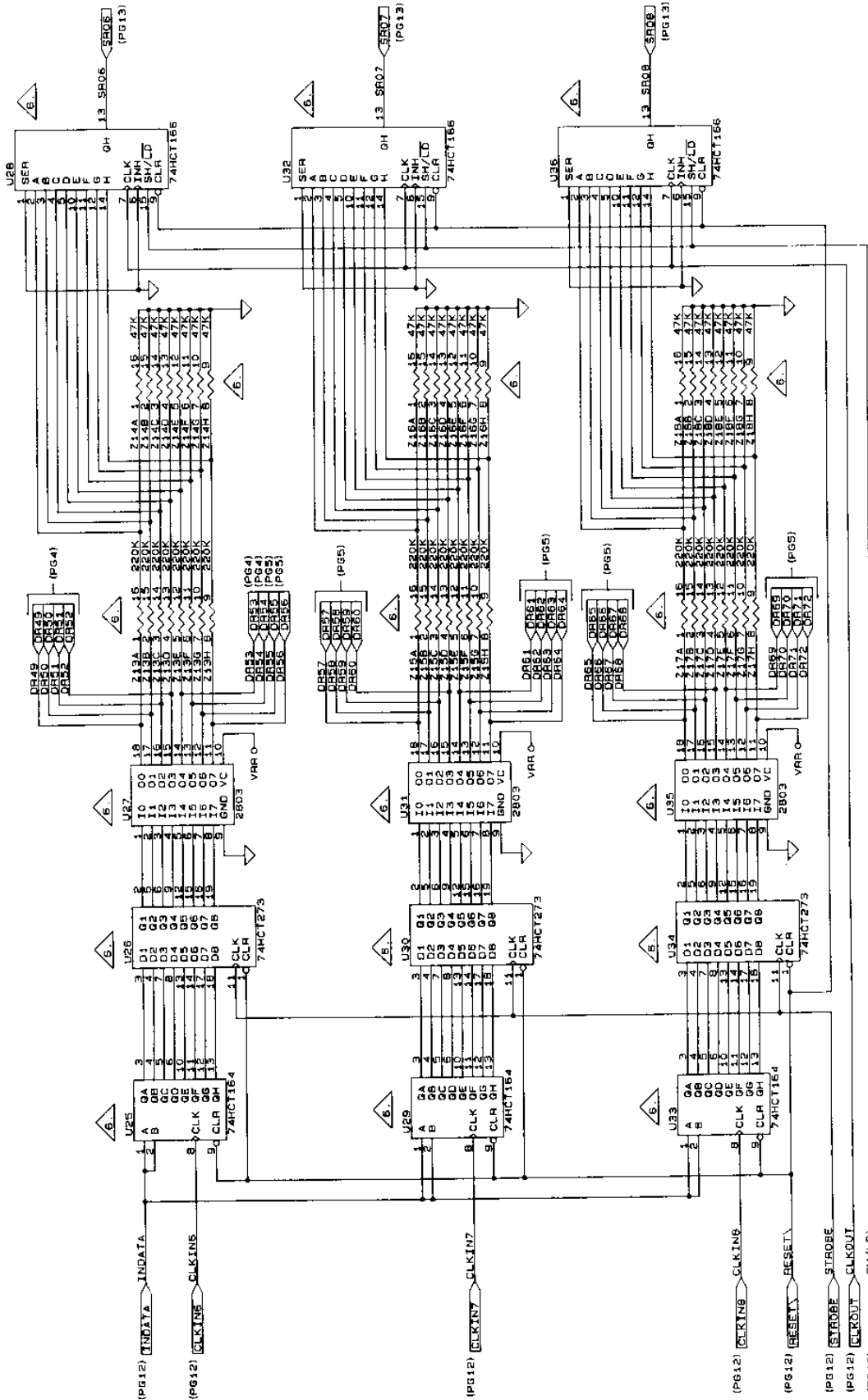
SIZE	CAGE CODE	DOCUMENT NO.	REV.
B	21793	435072	B
SCALE		SHEET 7	OF 17



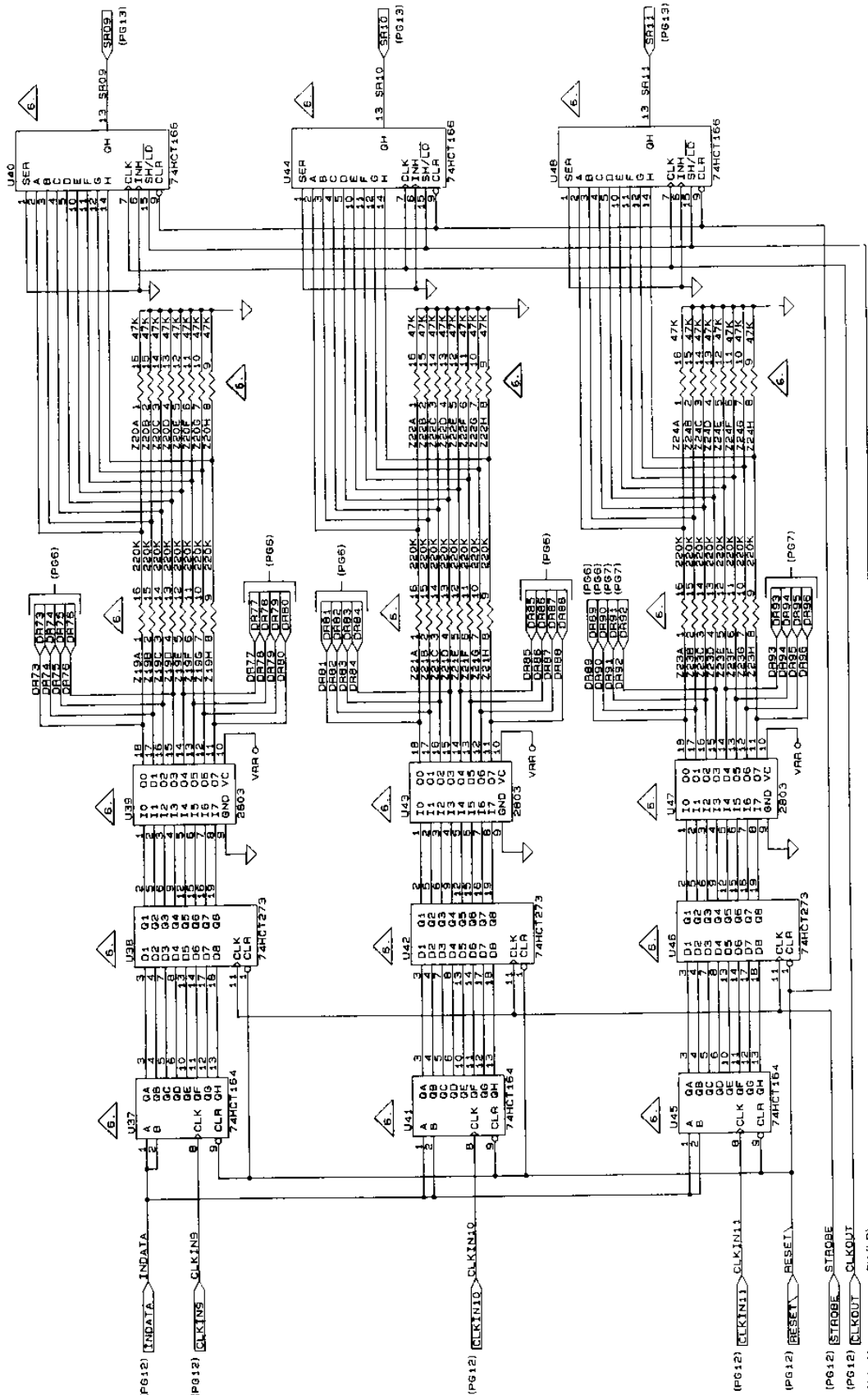
SIZE	CAGE CODE	DOCUMENT NO.	REV
B	21793	435072	B
SCALE		SHEET 6	OF 17



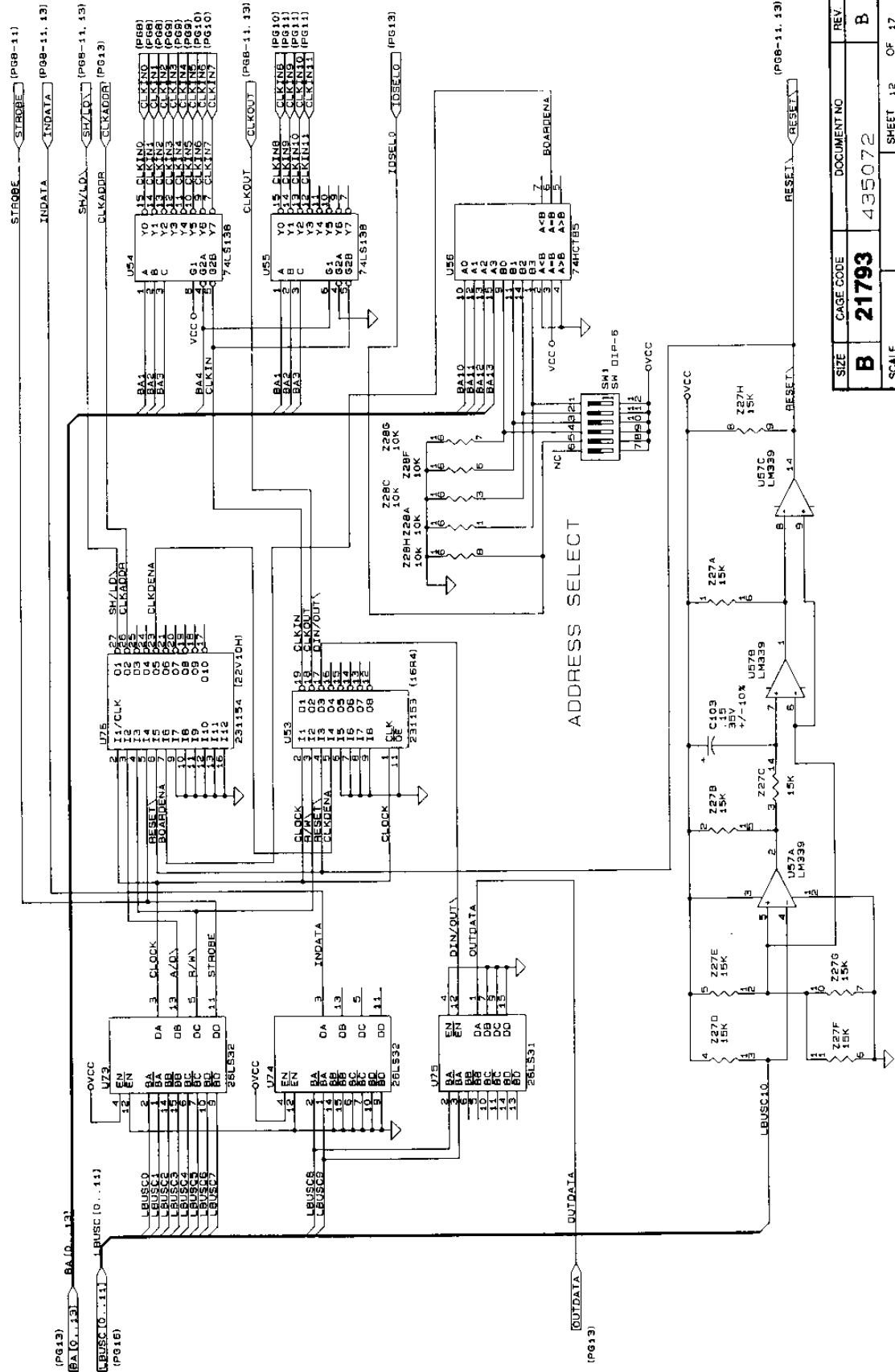
SIZE	CASE CODE	DOCUMENT NO	REV
B	21793	435072	B
SCALE		SHEET 9	OF 17



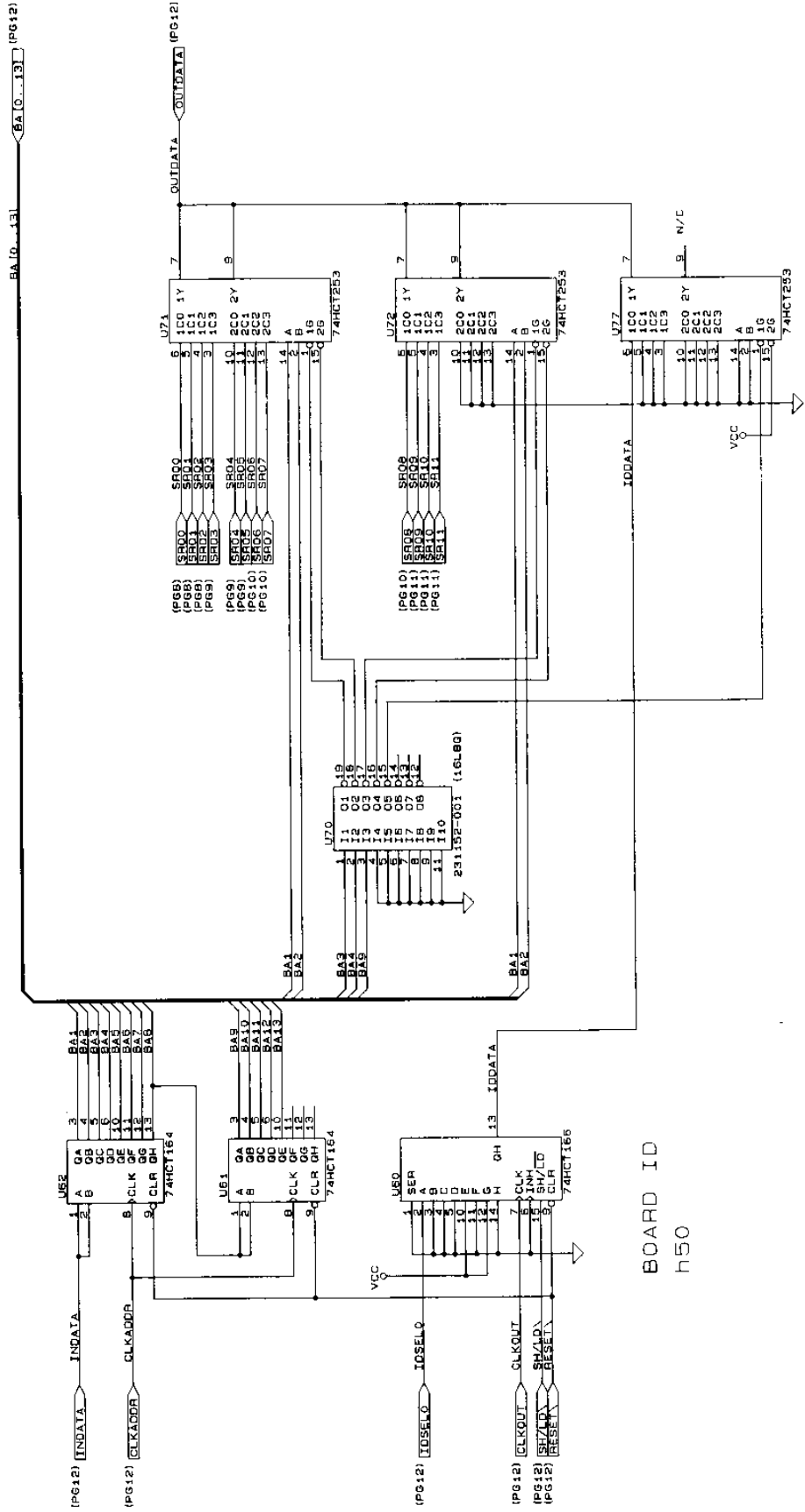
SIZE	CAGE CODE	DOCUMENT NO	REV
B	21793	435072	B
SCALE		SHEET 10	OF 17



SIZE	CAGE CODE	DOCUMENT NO.	REV
B	21793	435072	B
SCALE		SHEET 11	OF 17

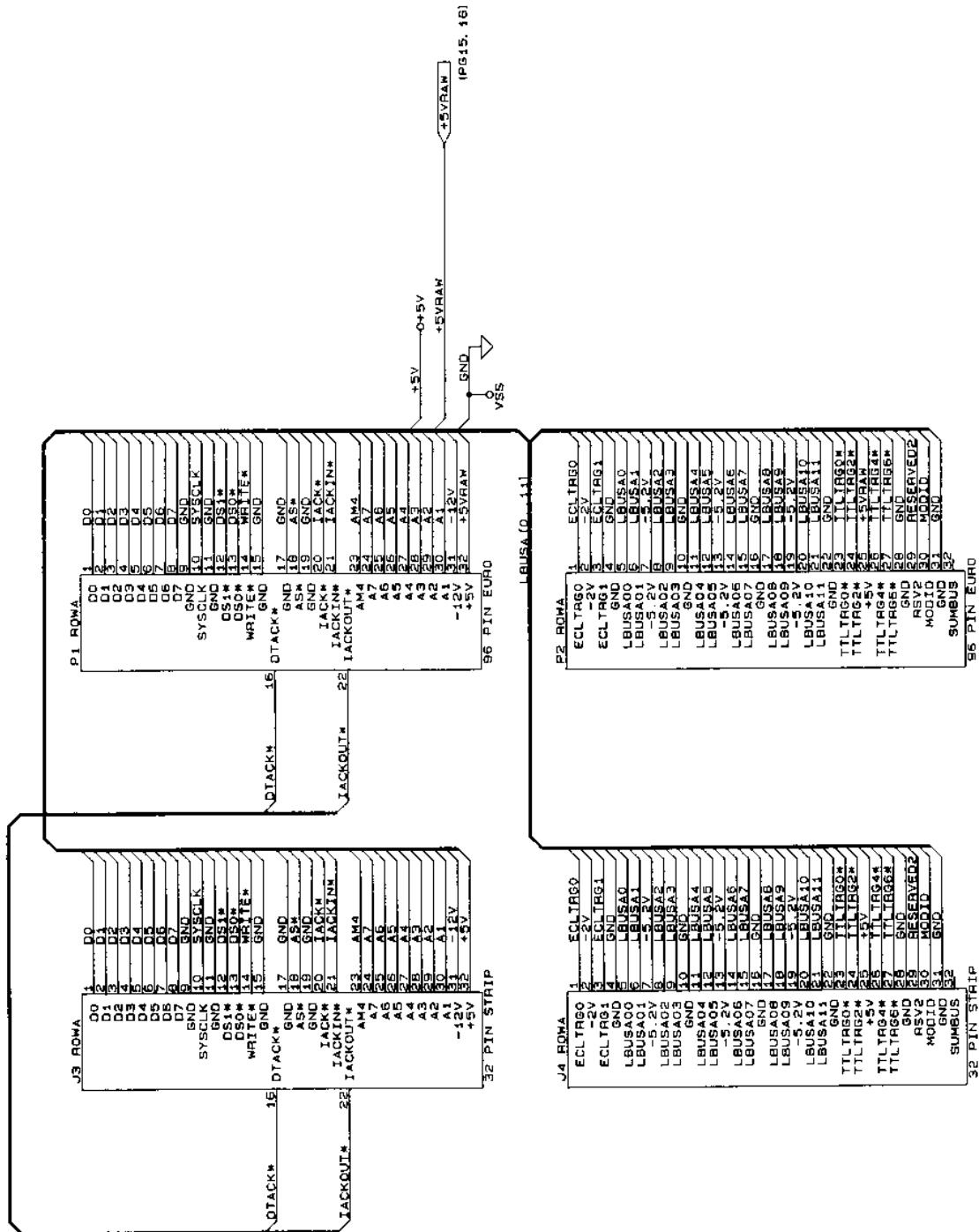


SIZE	CAGE CODE	DOCUMENT NO	REV
B	21793	435072	B
SCALE		SHEET 12	OF 17

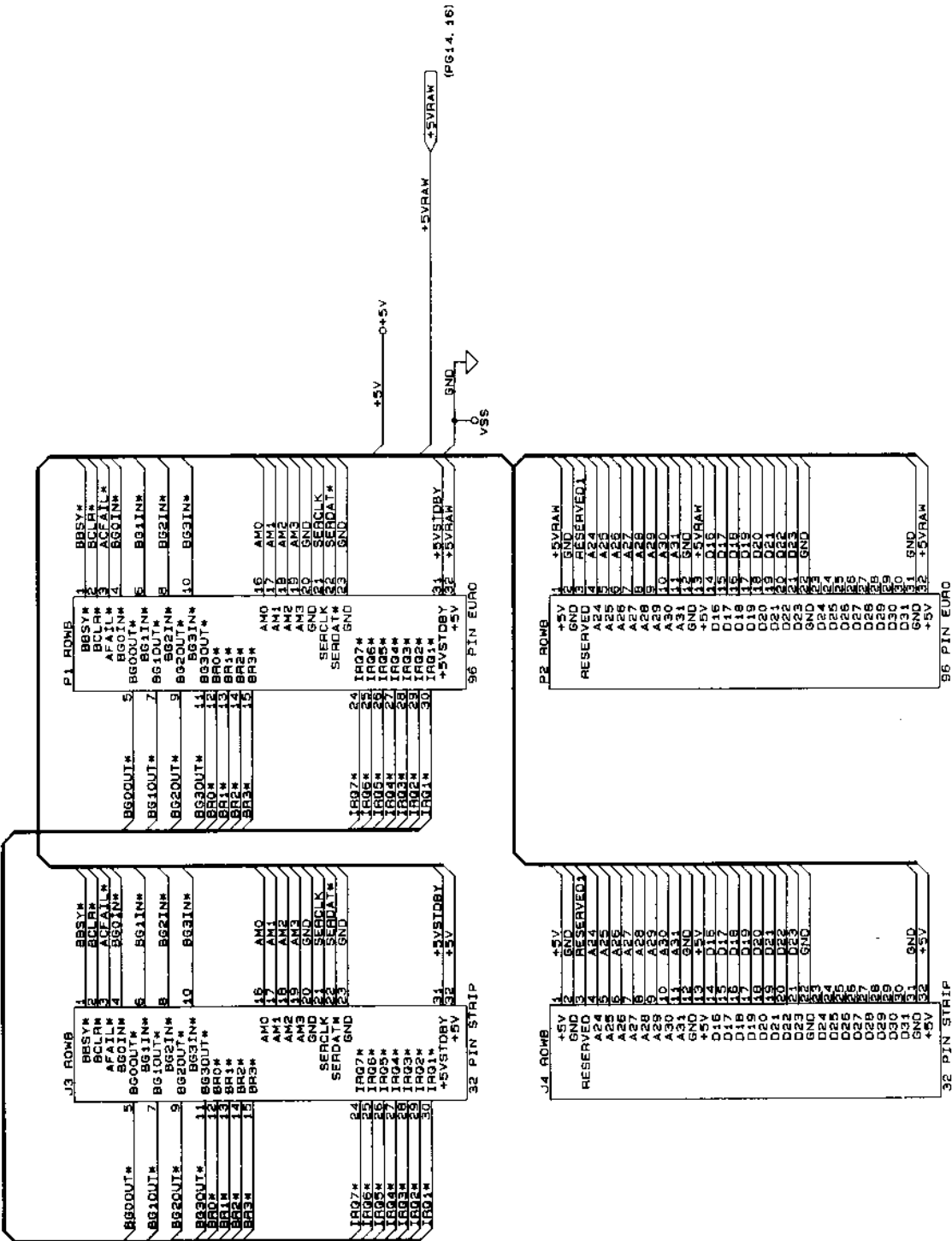


BOARD ID
h50

SIZE	CAGE CODE	DOCUMENT NO.	REV
B	21793	435072	B
SCALE		SHEET 13	OF 17

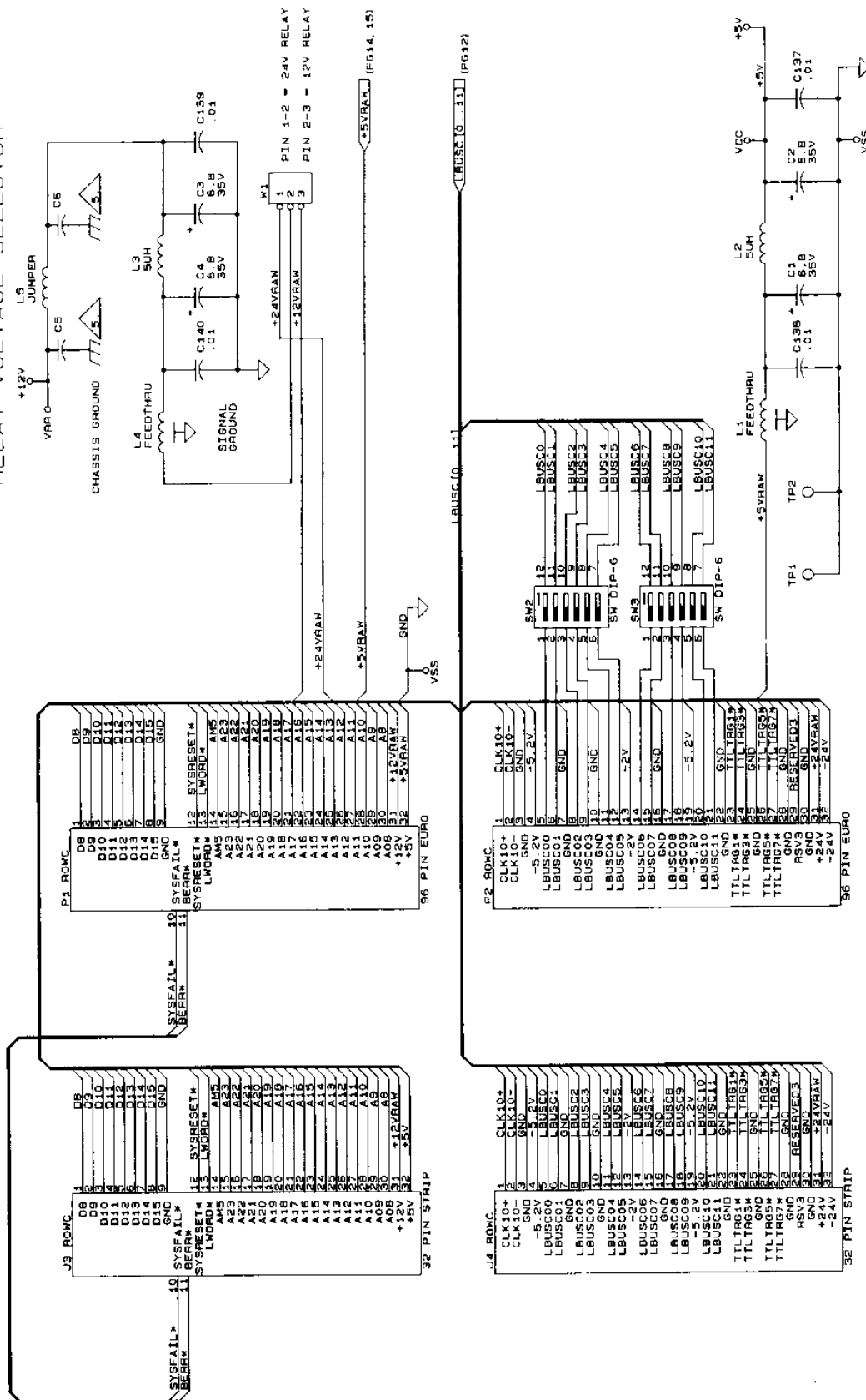


SIZE	CAGE CODE	DOCUMENT NO	REV
B	21793	435072	B
SCALE		SHEET 14	C 17

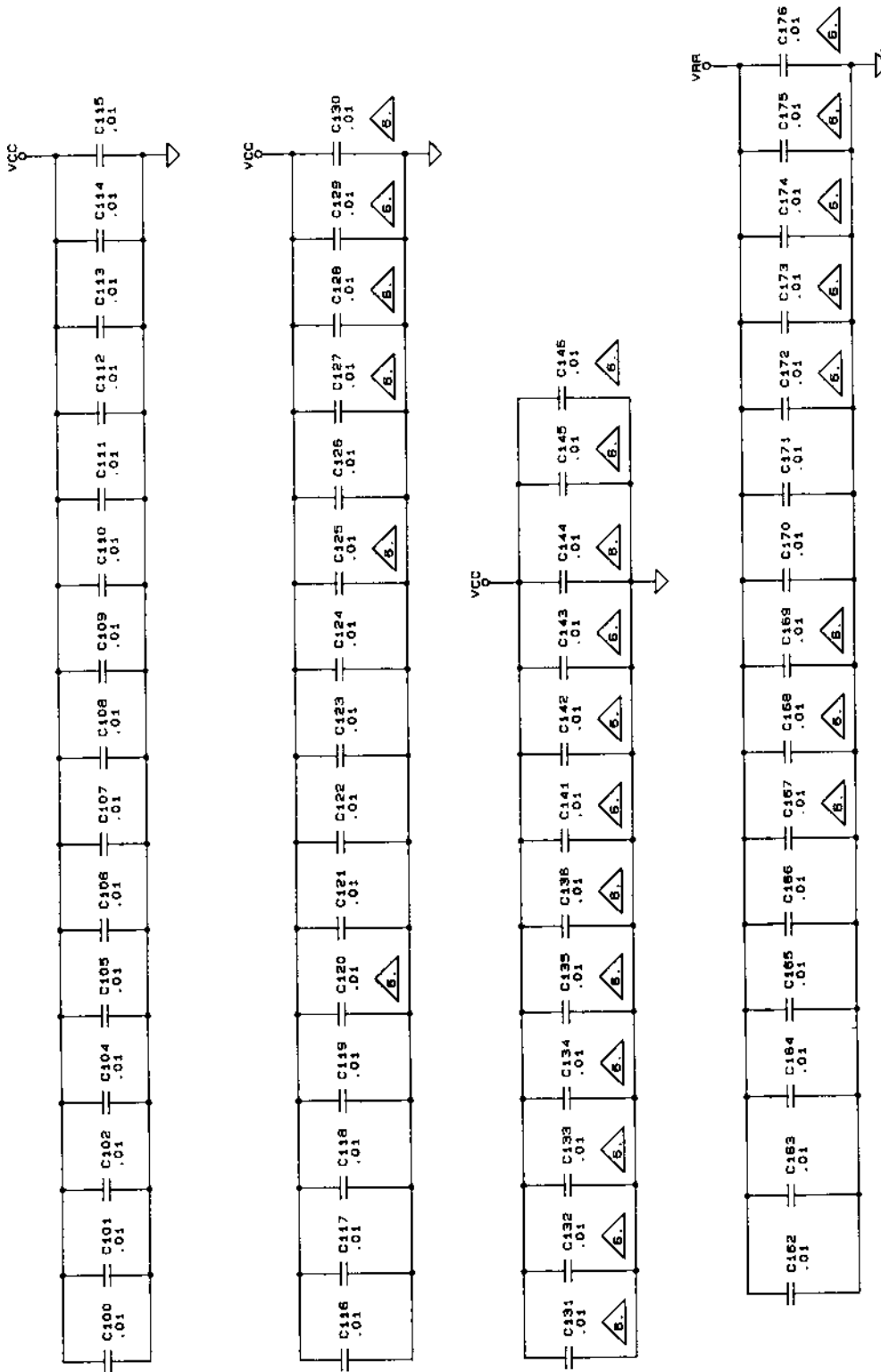


SIZE	CAGE CODE	DOCUMENT NO	REV
B	21793	435072	B
SCALE		SHEET 15	OF 17

RELAY VOLTAGE SELECTOR



SIZE	CAGE CODE	DOCUMENT NO.	REV
B	21793	435072	B
SCALE		SHEET 16	OF 17



SIZE	CODE IDENT NO.	DOCUMENT NO.	REV.
B	21793	435072	B
SCALE		SHEET 17	OF 17

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Chapter 5

PARTS LIST

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407167-001 - FINAL ASSY., 1260-50A

REF DESIG	RACAL P/N	INST DESCRIPTION	FSC	MANUFACTURER'S P/N
{1}1	405072-001	PCB ASSY., 1260-50A	21793	405072-001
{3}1	455779-003	PANEL, SIDE, LEFT	21793	455779-003
{4}1	455781	PANEL, REAR, SINGLE	21793	455781
{5}1	455784-001	PANEL, VXI TOP	21793	455784-001
{6}1	455784-002	PANEL, VXI BOTTOM	21793	455784-002
{7}1	455901	PANEL, RIGHT SIDE	21793	455901
{9}32	615539	SCREW, PFH, 4-40X. 125	-	-
{10}8	616480	SCREW, PFH, 4-40 X .375	-	-
{12}A/R	920962	LOCTITE, 242, MED STR.	105972	1272
{14}1	921059	LABEL, CAUTION, STATIC	21793	921059
{15}1	921212-031	LABEL, VXI, 1260-50	21793	921212-031
{22}1	921309	LABEL, VXI SWITCH ID	21793	921309
{24}1	407216-001	SHIP KIT, 1260-50A	21793	407216-001

407167-002 - FINAL ASSY., 1260-50B

REF DESIG	RACAL P/N	INST DESCRIPTION	FSC	MANUFACTURER'S P/N
{1}1	405072-002	PCB ASSY., 1260-50B	21793	405072-002
{3}1	455779-003	PANEL, SIDE, LEFT	21793	455779-003
{4}1	455781	PANEL, REAR, SINGLE	21793	455781
{5}1	455784-001	PANEL, VXI TOP	21793	455784-001
{6}1	455784-002	PANEL, VXI BOTTOM	21793	455784-002
{7}1	455901	PANEL, RIGHT SIDE	21793	455901
{9}32	615539	SCREW, PFH, 4-40X. 125	-	-
{10}8	616480	SCREW, PFH, 4-40 X .375	-	-
{12}A/R	920962	LOCTITE, 242, MED STR.	105972	1272
{14}1	921059	LABEL, CAUTION, STATIC	21793	921059
{15}1	921212-031	LABEL, VXI, 1260-50	21793	921212-031
{22}1	921309	LABEL, VXI SWITCH ID	21793	921309
{24}1	407216-002	SHIP KIT, 1260-50B	21793	407216-002

405072-001 - PCB ASSY., 1260-50A

REF	RACAL INST		FSC	MANUFACTURER'S P/N
DESIG	P/N	DESCRIPTION		
C1-C4	1110126	CAP, TANTA, 6.8UF, 35V, 20 PERCENT	105397	T355F685M035A5
C100-C102	R-21-1801	CAP, CHIP, 10 NF	195275	VJ1206Y103MF
C103	1110165	CAP, TANTA, .15 MF, 35V, 10PCT	105397	T355A154K035AS
C104-C119	R-21-1801	CAP, CHIP, 10 NF	195275	VJ1206Y103MF
C121-C124	R-21-1801	CAP, CHIP, 10 NF	195275	VJ1206Y103MF
C126	R-21-1801	CAP, CHIP, 10 NF	195275	VJ1206Y103MF
C147-C151	R-21-1801	CAP, CHIP, 10 NF	195275	VJ1206Y103MF
C153	R-21-1801	CAP, CHIP, 10 NF	195275	VJ1206Y103MF
C154	R-21-1801	CAP, CHIP, 10 NF	195275	VJ1206Y103MF
C162-C166	R-21-1801	CAP, CHIP, 10 NF	195275	VJ1206Y103MF
C170	R-21-1801	CAP, CHIP, 10 NF	195275	VJ1206Y103MF
C171	R-21-1801	CAP, CHIP, 10 NF	195275	VJ1206Y103MF
J3	1601925	CONNECTOR, PCB, RECEPT, 3 ROW, 96P	152072	1618008
J4	1601925	CONNECTOR, PCB, RECEPT, 3 ROW, 96P	152072	1618008
J200	1602143-020	CONN HOUSING, 20POS RECEPT, GMCT20F0T0000	128198	GMCT20F0T00
J201	1602143-020	CONN HOUSING, 20POS RECEPT, GMCT20F0T0000	128198	GMCT20F0T00
K1-K5	1310234	RELAY, 50 OHM COAX, 1 FORM A, 12V	171707	19402-12-03
K6	1310208	RELAY, 2 FORM C	161529	1TQ2E-12V
K7-K11	1310234	RELAY, 50 OHM COAX, 1 FORM A, 12V	171707	19402-12-03
K12	1310208	RELAY, 2 FORM C	161529	1TQ2E-12V
K13-K17	1310234	RELAY, 50 OHM COAX, 1 FORM A, 12V	171707	19402-12-03
K18	1310208	RELAY, 2 FORM C	161529	1TQ2E-12V
K19-K23	1310234	RELAY, 50 OHM COAX, 1 FORM A, 12V	171707	19402-12-03
K24	1310208	RELAY, 2 FORM C	161529	1TQ2E-12V
K25-K29	1310234	RELAY, 50 OHM COAX, 1 FORM A, 12V	171707	19402-12-03
K30	1310208	RELAY, 2 FORM C	161529	1TQ2E-12V
K31-K35	1310234	RELAY, 50 OHM COAX, 1 FORM A, 12V	171707	19402-12-03
K37-K41	1310234	RELAY, 50 OHM COAX, 1 FORM A, 12V	171707	19402-12-03
K42	1310208	RELAY, 2 FORM C	161529	1TQ2E-12V
K43-K47	1310234	RELAY, 50 OHM COAX, 1 FORM A, 12V	171707	19402-12-03
K48	1310208	RELAY, 2 FORM C	161529	1TQ2E-12V
K96	1310234	RELAY, 50 OHM COAX, 1 FORM A, 12V	171707	19402-12-03
L1	1100164	CAP, FEED-THRU, 800PF, 50V	100779	1842448-2
L2	1310193	CHOKE, SHIELDED, 5UH	191637	1IH-5-5-10
L3	1310193	CHOKE, SHIELDED, 5UH	191637	1IH-5-5-10
L4	1100164	CAP, FEED-THRU, 800PF, 50V	100779	1842448-2
L5	1600245	JUMPER, INSULATED	152210	1L-2007-1
P1	1601675-001	CONNECTOR, EUROCARD, 96 PIN MOD.	121793	1601675-001
P2	1601675-001	CONNECTOR, EUROCARD, 96 PIN MOD.	121793	1601675-001
SW1-SW3	1601969	SWITCH, DIP 6 POS, LOW PROFILE	165832	1K406S
TP1	1601197	POST, TEST, .025 SQ	100779	16-87022-6
TP2	1601197	POST, TEST, .025 SQ	100779	16-87022-6
U1	1231131	IC, DIGITAL, SHIFT REGISTER	118324	1PC74HCT164D
U2	1231130	IC, DIGITAL, FLIP FLOP	118324	1PC74HC273
U3	1231098	IC, SOIC TRANSISTOR	156289	1ULN-2803LW
U4	1231120	IC, 8-BIT, PARALLEL/SERIAL OUT S.R.	118324	174HCT166D
U5	1231131	IC, DIGITAL, SHIFT REGISTER	118324	1PC74HCT164D
U6	1231130	IC, DIGITAL, FLIP FLOP	118324	1PC74HC273
U7	1231098	IC, SOIC TRANSISTOR	156289	1ULN-2803LW
U8	1231120	IC, 8-BIT, PARALLEL/SERIAL OUT S.R.	118324	174HCT166D
U9	1231131	IC, DIGITAL, SHIFT REGISTER	118324	1PC74HCT164D
U10	1231130	IC, DIGITAL, FLIP FLOP	118324	1PC74HC273
U11	1231098	IC, SOIC TRANSISTOR	156289	1ULN-2803LW
U12	1231120	IC, 8-BIT, PARALLEL/SERIAL OUT S.R.	118324	174HCT166D
U13	1231131	IC, DIGITAL, SHIFT REGISTER	118324	1PC74HCT164D
U14	1231130	IC, DIGITAL, FLIP FLOP	118324	1PC74HC273
U15	1231098	IC, SOIC TRANSISTOR	156289	1ULN-2803LW
U16	1231120	IC, 8-BIT, PARALLEL/SERIAL OUT S.R.	118324	174HCT166D
U17	1231131	IC, DIGITAL, SHIFT REGISTER	118324	1PC74HCT164D

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405072-001 - PCB ASSY., 1260-50A

REF DESIG	RACAL INST P/N	DESCRIPTION	FSC	MANUFACTURER'S P/N
U18	231130	IC, DIGITAL, FLIP FLOP	18324	PC74HC273
U19	231098	IC, SOIC TRANSISTOR	56289	ULN-2803LW
U20	231120	IC, 8-BIT, PARALLEL/SERIAL OUT S.R.	18324	74HCT166D
U21	231131	IC, DIGITAL, SHIFT REGISTER	18324	PC74HCT164D
U22	231130	IC, DIGITAL, FLIP FLOP	18324	PC74HC273
U23	231098	IC, SOIC TRANSISTOR	56289	ULN-2803LW
U24	231120	IC, 8-BIT, PARALLEL/SERIAL OUT S.R.	18324	74HCT166D
U53	231153	IC, PROGRAMMED PLA	21793	231153
U54	231094	IC, DEMUX DECODER	18324	N74LS138D
U55	231094	IC, DEMUX DECODER	18324	N74LS138D
U56	231135	IC, DIGITAL, 4-BIT COMPARATOR	18324	PC74HCT85D
U57	231093	IC, QUAD COMPARATOR	04713	LM339D
U60	231120	IC, 8-BIT, PARALLEL/SERIAL OUT S.R.	18324	74HCT166D
U61	231131	IC, DIGITAL, SHIFT REGISTER	18324	PC74HCT164D
U62	231131	IC, DIGITAL, SHIFT REGISTER	18324	PC74HCT164D
U70	231152-001	IC, DIGITAL 16L8, PAL	21793	231152-001
U71	231147	IC, MULTIPLEXER	04713	74HC253D
U72	231147	IC, MULTIPLEXER	04713	74HC253D
U73	231096	IC, QUAD DIFF RECEIVER	01295	AM26LS32ACD
U74	231096	IC, QUAD DIFF RECEIVER	01295	AM26LS32ACD
U75	231125	IC, DIGITAL, LINE DRIVER	27014	DS26LS31MN
U76	231154	IC, PROGRAMMED PLA	21793	231154
U77	231147	IC, MULTIPLEXER	04713	74HC253D
Z1	080119	RES NETWORK, 220K	91637	SOMC-1603-224K
Z2	080117	RES NETWORK, 16P8R, 47K	73138	628-AL-473J
Z3	080119	RES NETWORK, 220K	91637	SOMC-1603-224K
Z4	080117	RES NETWORK, 16P8R, 47K	73138	628-AL-473J
Z5	080119	RES NETWORK, 220K	91637	SOMC-1603-224K
Z6	080117	RES NETWORK, 16P8R, 47K	73138	628-AL-473J
Z7	080119	RES NETWORK, 220K	91637	SOMC-1603-224K
Z8	080117	RES NETWORK, 16P8R, 47K	73138	628-AL-473J
Z9	080119	RES NETWORK, 220K	91637	SOMC-1603-224K
Z10	080117	RES NETWORK, 16P8R, 47K	73138	628-AL-473J
Z11	080119	RES NETWORK, 220K	91637	SOMC-1603-224K
Z12	080117	RES NETWORK, 16P8R, 47K	73138	628-AL-473J
Z27	080114	RES NETWORK, 16P8R, 15K	73138	628-AL-153J
Z28	080120	RES NETWORK, 10K	11236	767-161R10K
{47}1	401951	PCB ASSY., LBUS JUMPER	21793	401951
{48}1	401951-003	PCB ASSY., P3 JUMPER	21793	401951-003
{49}1	415072	PCB, 1260-50 (UNLOADED)	21793	415072
{52}A/R	1500022	WIRE, BARE COPPER/TIN, 22 GA	21793	1500022
{53}A/R	1500009	TUBING, SHRINK, .12 ID, BLK	29005	RNF-100-1-1/8
{60}40	455520	COAX TERMINAL, PCB MOUNT	21793	455520
{61}A/R	1500254	CABLE, COAXIAL, 50 OHM	92194	9178B
{62}A/R	1610777	CABLE TIE	16956	108-432
{74}4	1611258-001	STANDOFF, SWAGE 4-40 X .170	06540	8091-11B-B-440-28
{81}1	456123-001	PANEL, FRONT, 1260-50A	21793	456123-001
{82}1	456124	BRACKET, CONNECTOR MOUNTING	21793	456124
{85}40	1602143-900	CONTACT, FEMALE, COAX, 50 OHM	28198	FCS126N2
{87}1	1611264	HANDLE, EXTRACTOR, BOTTOM	62559	20817-327
{88}1	1611265	HANDLE, EXTRACTOR, TOP	62559	20817-328
{89}.5	1611266	MOUNTING HARDWARE, HANDLE	62559	121100-745
{91}3	1615541	SCREW, PFH, 4-40X.250	-	-
{93}2	1616405	SCREW, PFH, M2.5-.45 X 12	-	-
{95}A/R	1920962	LOCTITE, 242, MED STR.	05972	1272
{96}1	1921148-001	LABEL SET VXI	21793	1921148-001
{97}A/R	1921279	LOCQUIC, PRIMER	05972	174756
{98}A/R	1921280	LOCTITE, HIGH STRENGTH	05972	127121

405072-002 - PCB ASSY., 1260-50B

REF DESIG	RACAL INST P/N	DESCRIPTION	FSC	MANUFACTURER'S P/N
C1-C4	110126	CAP, TANTA, 6.8UF, 35V, 20 PERCENT	105397	T355F685M035A5
C100-C102	R-21-1801	CAP, CHIP, 10 NF	195275	VJ1206Y103MF
C103	1110165	CAP, TANTA, .15 MF, 35V, 10PCT	105397	T355A154K035AS
C104-C136	R-21-1801	CAP, CHIP, 10 NF	195275	VJ1206Y103MF
C141-C176	R-21-1801	CAP, CHIP, 10 NF	195275	VJ1206Y103MF
J3	1601925	CONNECTOR, PCB, RECEPT, 3 ROW, 96P	152072	1618008
J4	1601925	CONNECTOR, PCB, RECEPT, 3 ROW, 96P	152072	1618008
J200-J203	602143-020	CONN HOUSING, 20POS RECEPT, GMCT20F0T0000	128198	GMCT20F0T00
K1-K5	1310234	RELAY, 50 OHM COAX, 1 FORM A, 12V	171707	19402-12-03
K6	1310208	RELAY, 2 FORM C	161529	1TQ2E-12V
K7-K11	1310234	RELAY, 50 OHM COAX, 1 FORM A, 12V	171707	19402-12-03
K12	1310208	RELAY, 2 FORM C	161529	1TQ2E-12V
K13-K17	1310234	RELAY, 50 OHM COAX, 1 FORM A, 12V	171707	19402-12-03
K18	1310208	RELAY, 2 FORM C	161529	1TQ2E-12V
K19-K23	1310234	RELAY, 50 OHM COAX, 1 FORM A, 12V	171707	19402-12-03
K24	1310208	RELAY, 2 FORM C	161529	1TQ2E-12V
K25-K29	1310234	RELAY, 50 OHM COAX, 1 FORM A, 12V	171707	19402-12-03
K30	1310208	RELAY, 2 FORM C	161529	1TQ2E-12V
K31-K35	1310234	RELAY, 50 OHM COAX, 1 FORM A, 12V	171707	19402-12-03
K36	1310208	RELAY, 2 FORM C	161529	1TQ2E-12V
K37-K41	1310234	RELAY, 50 OHM COAX, 1 FORM A, 12V	171707	19402-12-03
K42	1310208	RELAY, 2 FORM C	161529	1TQ2E-12V
K43-K47	1310234	RELAY, 50 OHM COAX, 1 FORM A, 12V	171707	19402-12-03
K48	1310208	RELAY, 2 FORM C	161529	1TQ2E-12V
K49-K53	1310234	RELAY, 50 OHM COAX, 1 FORM A, 12V	171707	19402-12-03
K54	1310208	RELAY, 2 FORM C	161529	1TQ2E-12V
K55-K59	1310234	RELAY, 50 OHM COAX, 1 FORM A, 12V	171707	19402-12-03
K60	1310208	RELAY, 2 FORM C	161529	1TQ2E-12V
K61-K65	1310234	RELAY, 50 OHM COAX, 1 FORM A, 12V	171707	19402-12-03
K66	1310208	RELAY, 2 FORM C	161529	1TQ2E-12V
K67-K71	1310234	RELAY, 50 OHM COAX, 1 FORM A, 12V	171707	19402-12-03
K72	1310208	RELAY, 2 FORM C	161529	1TQ2E-12V
K73-K77	1310234	RELAY, 50 OHM COAX, 1 FORM A, 12V	171707	19402-12-03
K78	1310208	RELAY, 2 FORM C	161529	1TQ2E-12V
K79-K83	1310234	RELAY, 50 OHM COAX, 1 FORM A, 12V	171707	19402-12-03
K84	1310208	RELAY, 2 FORM C	161529	1TQ2E-12V
K85-K89	1310234	RELAY, 50 OHM COAX, 1 FORM A, 12V	171707	19402-12-03
K90	1310208	RELAY, 2 FORM C	161529	1TQ2E-12V
K91-K97	1310234	RELAY, 50 OHM COAX, 1 FORM A, 12V	171707	19402-12-03
L1	1100164	CAP, FEED-THRU, 800PF, 50V	100779	1842448-2
L2	1310193	CHOKE, SHIELDED, 5UH	191637	1IH-5-5-10
L3	1310193	CHOKE, SHIELDED, 5UH	191637	1IH-5-5-10
L4	1100164	CAP, FEED-THRU, 800PF, 50V	100779	1842448-2
L5	1600245	JUMPER, INSULATED	152210	1L-2007-1
P1	1601675-001	CONNECTOR, EUROCARD, 96 PIN MOD.	121793	1601675-001
P2	1601675-001	CONNECTOR, EUROCARD, 96 PIN MOD.	121793	1601675-001
SW1-SW3	1601969	SWITCH, DIP 6 POS, LOW PROFILE	165832	1K406S
TP1	1601197	POST, TEST, .025 SQ	100779	16-87022-6
TP2	1601197	POST, TEST, .025 SQ	100779	16-87022-6
U1	1231131	IC, DIGITAL, SHIFT REGISTER	118324	1PC74HCT164D
U2	1231130	IC, DIGITAL, FLIP FLOP	118324	1PC74HC273
U3	1231098	IC, SOIC TRANSISTOR	156289	1ULN-2803LW
U4	1231120	IC, 8-BIT, PARALLEL/SERIAL OUT S.R.	118324	174HCT166D
U5	1231131	IC, DIGITAL, SHIFT REGISTER	118324	1PC74HCT164D
U6	1231130	IC, DIGITAL, FLIP FLOP	118324	1PC74HC273
U7	1231098	IC, SOIC TRANSISTOR	156289	1ULN-2803LW
U8	1231120	IC, 8-BIT, PARALLEL/SERIAL OUT S.R.	118324	174HCT166D
U9	1231131	IC, DIGITAL, SHIFT REGISTER	118324	1PC74HCT164D
U10	1231130	IC, DIGITAL, FLIP FLOP	118324	1PC74HC273

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405072-002 - PCB ASSY., 1260-50B

REF DESIG	RACAL P/N	INST I	DESCRIPTION	PSC	MANUFACTURER'S P/N
U11	1231098	IIC,	SOIC TRANSISTOR	156289	1ULN-2803LW
U12	1231120	IIC,	8-BIT, PARALLEL/SERIAL OUT S.R.	118324	174HCT166D
U13	1231131	IIC,	DIGITAL, SHIFT REGISTER	118324	1PC74HCT164D
U14	1231130	IIC,	DIGITAL, FLIP FLOP	118324	1PC74HC273
U15	1231098	IIC,	SOIC TRANSISTOR	156289	1ULN-2803LW
U16	1231120	IIC,	8-BIT, PARALLEL/SERIAL OUT S.R.	118324	174HCT166D
U17	1231131	IIC,	DIGITAL, SHIFT REGISTER	118324	1PC74HCT164D
U18	1231130	IIC,	DIGITAL, FLIP FLOP	118324	1PC74HC273
U19	1231098	IIC,	SOIC TRANSISTOR	156289	1ULN-2803LW
U20	1231120	IIC,	8-BIT, PARALLEL/SERIAL OUT S.R.	118324	174HCT166D
U21	1231131	IIC,	DIGITAL, SHIFT REGISTER	118324	1PC74HCT164D
U22	1231130	IIC,	DIGITAL, FLIP FLOP	118324	1PC74HC273
U23	1231098	IIC,	SOIC TRANSISTOR	156289	1ULN-2803LW
U24	1231120	IIC,	8-BIT, PARALLEL/SERIAL OUT S.R.	118324	174HCT166D
U25	1231131	IIC,	DIGITAL, SHIFT REGISTER	118324	1PC74HCT164D
U26	1231130	IIC,	DIGITAL, FLIP FLOP	118324	1PC74HC273
U27	1231098	IIC,	SOIC TRANSISTOR	156289	1ULN-2803LW
U28	1231120	IIC,	8-BIT, PARALLEL/SERIAL OUT S.R.	118324	174HCT166D
U29	1231131	IIC,	DIGITAL, SHIFT REGISTER	118324	1PC74HCT164D
U30	1231130	IIC,	DIGITAL, FLIP FLOP	118324	1PC74HC273
U31	1231098	IIC,	SOIC TRANSISTOR	156289	1ULN-2803LW
U32	1231120	IIC,	8-BIT, PARALLEL/SERIAL OUT S.R.	118324	174HCT166D
U33	1231131	IIC,	DIGITAL, SHIFT REGISTER	118324	1PC74HCT164D
U34	1231130	IIC,	DIGITAL, FLIP FLOP	118324	1PC74HC273
U35	1231098	IIC,	SOIC TRANSISTOR	156289	1ULN-2803LW
U36	1231120	IIC,	8-BIT, PARALLEL/SERIAL OUT S.R.	118324	174HCT166D
U37	1231131	IIC,	DIGITAL, SHIFT REGISTER	118324	1PC74HCT164D
U38	1231130	IIC,	DIGITAL, FLIP FLOP	118324	1PC74HC273
U39	1231098	IIC,	SOIC TRANSISTOR	156289	1ULN-2803LW
U40	1231120	IIC,	8-BIT, PARALLEL/SERIAL OUT S.R.	118324	174HCT166D
U41	1231131	IIC,	DIGITAL, SHIFT REGISTER	118324	1PC74HCT164D
U42	1231130	IIC,	DIGITAL, FLIP FLOP	118324	1PC74HC273
U43	1231098	IIC,	SOIC TRANSISTOR	156289	1ULN-2803LW
U44	1231120	IIC,	8-BIT, PARALLEL/SERIAL OUT S.R.	118324	174HCT166D
U45	1231131	IIC,	DIGITAL, SHIFT REGISTER	118324	1PC74HCT164D
U46	1231130	IIC,	DIGITAL, FLIP FLOP	118324	1PC74HC273
U47	1231098	IIC,	SOIC TRANSISTOR	156289	1ULN-2803LW
U48	1231120	IIC,	8-BIT, PARALLEL/SERIAL OUT S.R.	118324	174HCT166D
U53	1231153	IIC,	PROGRAMMED PLA	121793	1231153
U54	1231094	IIC,	DEMUX DECODER	118324	1N74LS138D
U55	1231094	IIC,	DEMUX DECODER	118324	1N74LS138D
U56	1231135	IIC,	DIGITAL, 4-BIT COMPARATOR	118324	1PC74HCT85D
U57	1231093	IIC,	QUAD COMPARATOR	104713	1LM339D
U60	1231120	IIC,	8-BIT, PARALLEL/SERIAL OUT S.R.	118324	174HCT166D
U61	1231131	IIC,	DIGITAL, SHIFT REGISTER	118324	1PC74HCT164D
U62	1231131	IIC,	DIGITAL, SHIFT REGISTER	118324	1PC74HCT164D
U70	1231152-001	IIC,	DIGITAL 16L8, PAL	121793	1231152-001
U71	1231147	IIC,	MULTIPLEXER	104713	174HC253D
U72	1231147	IIC,	MULTIPLEXER	104713	174HC253D
U73	1231096	IIC,	QUAD DIFF RECEIVER	101295	1AM26LS32ACD
U74	1231096	IIC,	QUAD DIFF RECEIVER	101295	1AM26LS32ACD
U75	1231125	IIC,	DIGITAL, LINE DRIVER	127014	1DS26LS31MN
U76	1231154	IIC,	PROGRAMMED PLA	121793	1231154
U77	1231147	IIC,	MULTIPLEXER	104713	174HC253D
Z1	1080119	RES	NETWORK, 220K	191637	1SOMC-1603-224K
Z2	1080117	RES	NETWORK, 16P8R, 47K	173138	1628-AL-473J
Z3	1080119	RES	NETWORK, 220K	191637	1SOMC-1603-224K
Z4	1080117	RES	NETWORK, 16P8R, 47K	173138	1628-AL-473J
Z5	1080119	RES	NETWORK, 220K	191637	1SOMC-1603-224K

405072-002 - PCB ASSY., 1260-50B

REF	RACAL INST		FSC	MANUFACTURER'S P/N
DESIG	P/N	DESCRIPTION		
Z6	080117	RES NETWORK, 16P8R, 47K	73138	628-AL-473J
Z7	080119	RES NETWORK, 220K	91637	SOMC-1603-224K
Z8	080117	RES NETWORK, 16P8R, 47K	73138	628-AL-473J
Z9	080119	RES NETWORK, 220K	91637	SOMC-1603-224K
Z10	080117	RES NETWORK, 16P8R, 47K	73138	628-AL-473J
Z11	080119	RES NETWORK, 220K	91637	SOMC-1603-224K
Z12	080117	RES NETWORK, 16P8R, 47K	73138	628-AL-473J
Z13	080119	RES NETWORK, 220K	91637	SOMC-1603-224K
Z14	080117	RES NETWORK, 16P8R, 47K	73138	628-AL-473J
Z15	080119	RES NETWORK, 220K	91637	SOMC-1603-224K
Z16	080117	RES NETWORK, 16P8R, 47K	73138	628-AL-473J
Z17	080119	RES NETWORK, 220K	91637	SOMC-1603-224K
Z18	080117	RES NETWORK, 16P8R, 47K	73138	628-AL-473J
Z19	080119	RES NETWORK, 220K	91637	SOMC-1603-224K
Z20	080117	RES NETWORK, 16P8R, 47K	73138	628-AL-473J
Z21	080119	RES NETWORK, 220K	91637	SOMC-1603-224K
Z22	080117	RES NETWORK, 16P8R, 47K	73138	628-AL-473J
Z23	080119	RES NETWORK, 220K	91637	SOMC-1603-224K
Z24	080117	RES NETWORK, 16P8R, 47K	73138	628-AL-473J
Z27	080114	RES NETWORK, 16P8R, 15K	73138	628-AL-153J
Z28	080120	RES NETWORK, 10K	11236	767-161R10K
{47}1	401951	PCB ASSY., LBUS JUMPER	21793	401951
{48}1	401951-003	PCB ASSY., P3 JUMPER	21793	401951-003
{49}1	415072	PCB, 1260-50 (UNLOADED)	21793	415072
{52}A/R	500022	WIRE, BARE COPPER/TIN, 22 GA	21793	500022
{53}A/R	500009	TUBING, SHRINK, .12 ID, BLK	29005	IRNF-100-1-1/8
{60}80	455520	COAX TERMINAL, PCB MOUNT	21793	455520
{61}A/R	500254	CABLE, COAXIAL, 50 OHM	92194	9178B
{62}A/R	610777	CABLE TIE	16956	08-432
{74}4	611258-001	STANDOFF, SWAGE 4-40 X .170	06540	8091-11B-B-440-28
{81}1	456123-002	PANEL, FRONT, 1260-50B	21793	456123-002
{82}1	456124	BRACKET, CONNECTOR MOUNTING	21793	456124
{85}80	602143-900	CONTACT, FEMALE, COAX, 50 OHM	28198	FCS126N2
{87}1	611264	HANDLE, EXTRACTOR, BOTTOM	62559	20817-327
{88}1	611265	HANDLE, EXTRACTOR, TOP	62559	20817-328
{89}.5	611266	MOUNTING HARDWARE, HANDLE	62559	21100-745
{91}3	615541	SCREW, PFH, 4-40X.250	-	-
{93}2	616405	SCREW, PFH, M2.5-.45 X 12	-	-
{95}A/R	920962	LOCTITE, 242, MED STR.	05972	1272
{96}1	921148-001	LABEL SET VX1	21793	921148-001
{97}A/R	921279	LOCQUIC, PRIMER	05972	174756
{98}A/R	921280	LOCTITE, HIGH STRENGTH	05972	127121

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407216-001 - SHIP KIT, 1260-50A

REF DESIG	RACAL INST P/N	DESCRIPTION	FSC	MANUFACTURER'S P/N
{1}2	455540	KEY, LOCKOUT, TTL, A/C	21793	455540
{2}2	455541	KEY, LOCKOUT, TTL, A/C	21793	455541
{3}2	455542	KEY, LOCKOUT, TTL, A/C	21793	455542
{6}2	602144-020	CONN, HOUSING, 3ROW 20POS, PLUG	28198	GMCT20MOE100J0
{7}3	615013	SCREW, PPF, 2-56 X .188	-	-
{9}1	980673-015	MANUAL, 1260-50 MODULE	21793	980673-015

407216-002 - SHIP KIT, 1260-50B

REF DESIG	RACAL INST P/N	DESCRIPTION	FSC	MANUFACTURER'S P/N
{9}1	980673-015	MANUAL, 1260-50 MODULE	21793	980673-015
{1}2	455540	KEY, LOCKOUT, TTL, A/C	21793	455540
{2}2	455541	KEY, LOCKOUT, TTL, A/C	21793	455541
{3}2	455542	KEY, LOCKOUT, TTL, A/C	21793	455542
{6}4	602144-020	CONN, HOUSING, 3ROW 20POS, PLUG	28198	GMCT20MOE100J0
{7}3	615013	SCREW, PPF, 2-56 X .188	-	-

List of Suppliers

FSC	SUPPLIER	FSC	SUPPLIER
00779	IAMP, INC. HARRISBURG, PA	73138	BECKMAN INSTRUMENTS FULLERTON, CA
01295	TEXAS INSTRUMENTS, INC. DALLAS, TX	91637	DALE ELECTRONICS, INC. COLUMBUS, NE
04713	MOTOROLA, INC. (SEMICONDUCTOR PRODUCTS DIV.) PHOENIX, AZ	92194	ALPHA WIRE ELIZABETH, NJ
05397	UNION CARBIDE CORP. (MATERIALS SYSTEMS DIV.) CLEVELAND, OH	95275	VITRAMON, INC. BRIDGEPORT, CT
05972	LOCTITE CORP. HARTFORD, CT		
06540	AMATOM ELECTRONIC HARDWARE NEW ROCHELLE, NY		
11236	CTS OF BERNE, INC. BERNE, IN		
16956	DENNISON MFG. CO. FRAMINGTON, MA		
18324	SIGNETICS, INC. SUNNYVALE, CA		
21793	RACAL INSTRUMENTS IRVINE, CA		
27014	NATIONAL SEMI-CONDUCTOR CORP. SANTA CLARA, CA		
28198	POSITRONIC INDUSTRIES INC. SPRINGFIELD, MO		
29005	STORM PRODUCTS CO. LOS ANGELES, CA		
52072	CIRCUIT ASSY. CORP. COSTA MESA, CA		
52210	GETTING ENGRG. & MFG. CO. SPRING MILLS, PA		
56289	SPAGUE ELECTRIC CO. N. ADAMS, MA		
61529	AROMAT CORP. CUPERTINO, CA		
62559	SCHROFF, INC. WARWICK, RI		
65832	AMERICAN RESEARCH & ENGINEERING ELGIN, IL		
71707	COTO-COIL CO., INC. PROVIDENCE, RI		

Chapter 6

PRODUCT SUPPORT

Product Support

Racal Instruments has a complete Service and Parts Department. If you need technical assistance or should it be necessary to return your product for repair or calibration, call 1-800-722-3262. If parts are required to repair the product at your facility, call 1-949-859-8999 and ask for the Parts Department.

When sending your instrument in for repair, complete the form in the back of this manual.

For worldwide support and the office closes to your facility, refer to the Support Offices section on the following page.

Reshipment Instructions

Use the original packing material when returning the 1260-50A/B to Racal Instruments for calibration or servicing. The original shipping crate and associated packaging material will provide the necessary protection for safe reshipment.

If the original packing material is unavailable, contact Racal Instruments Customer Service for information.

Support Offices

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