

# 1260 VXI SWITCHING CARD

## Model 1260-93 100MHz MULTIPLEXER MODULE

PUBLICATION NO. 980673-026

### RACAL INSTRUMENTS

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## WARRANTY STATEMENT

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All Racal Instruments, Inc. products are designed and manufactured to exacting standards and in full conformance to Racal's ISO 9001 procedures.

For the specific terms of your standard warranty, or optional extended warranty or service agreement, contact your Racal customer service advisor. Please have the following information available to facilitate service.

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

You may contact your customer service advisor by:

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## RETURN of PRODUCT

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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: [helpdesk@racalstruments.com](mailto:helpdesk@racalstruments.com).

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# FOR YOUR SAFETY

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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, with 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 1260-01 5, 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 1260-93A

The following information describes the control-register-to-relay-channel mapping for a 1260-93A and Relay Module. This information may be used to control a 1260-93A 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

Channel	Control Register	Control Bit
72	3	6
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 1260-93B

The following information describes the control-register-to-relay-channel mapping for a 1260-93B Relay Module. This information may be used to control a 1260-93B 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
T4	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



Channel	Control Register	Control Bit
72	3	6
73	4	0
74	4	2
79	5	1

-

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# Chapter 1

## OVERVIEW

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### 1260-93 100MHz Multiplexer Module

The 1260-93A/B provides eight or sixteen, respectively, 1x4 93Ω multiplexers (refer to the Functional Diagram Figure 1-2). Relays CH19, 29,...,159 provide for the connections between the adjacent 1x4 groups under software control. Thus, the 1260-93A/B modules can be configured as multiplexers up to 1x39 or 1x79 in size. The 100 MHz bandwidth is guaranteed for all possible multiplexer sizes as long as only groups required for a specific connector are connected

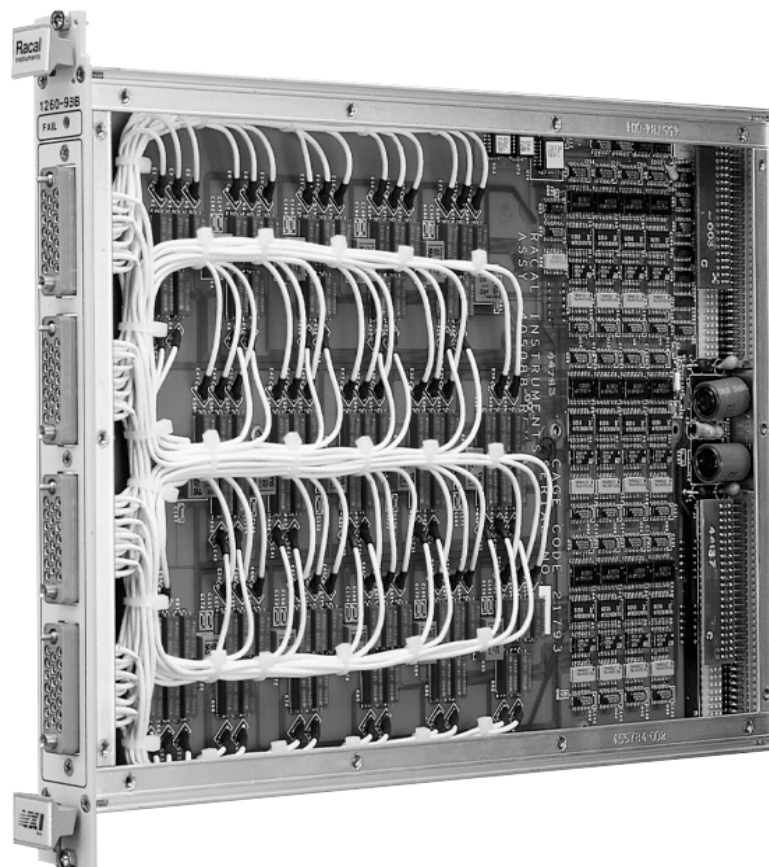


Figure 1-1, 1260-93B

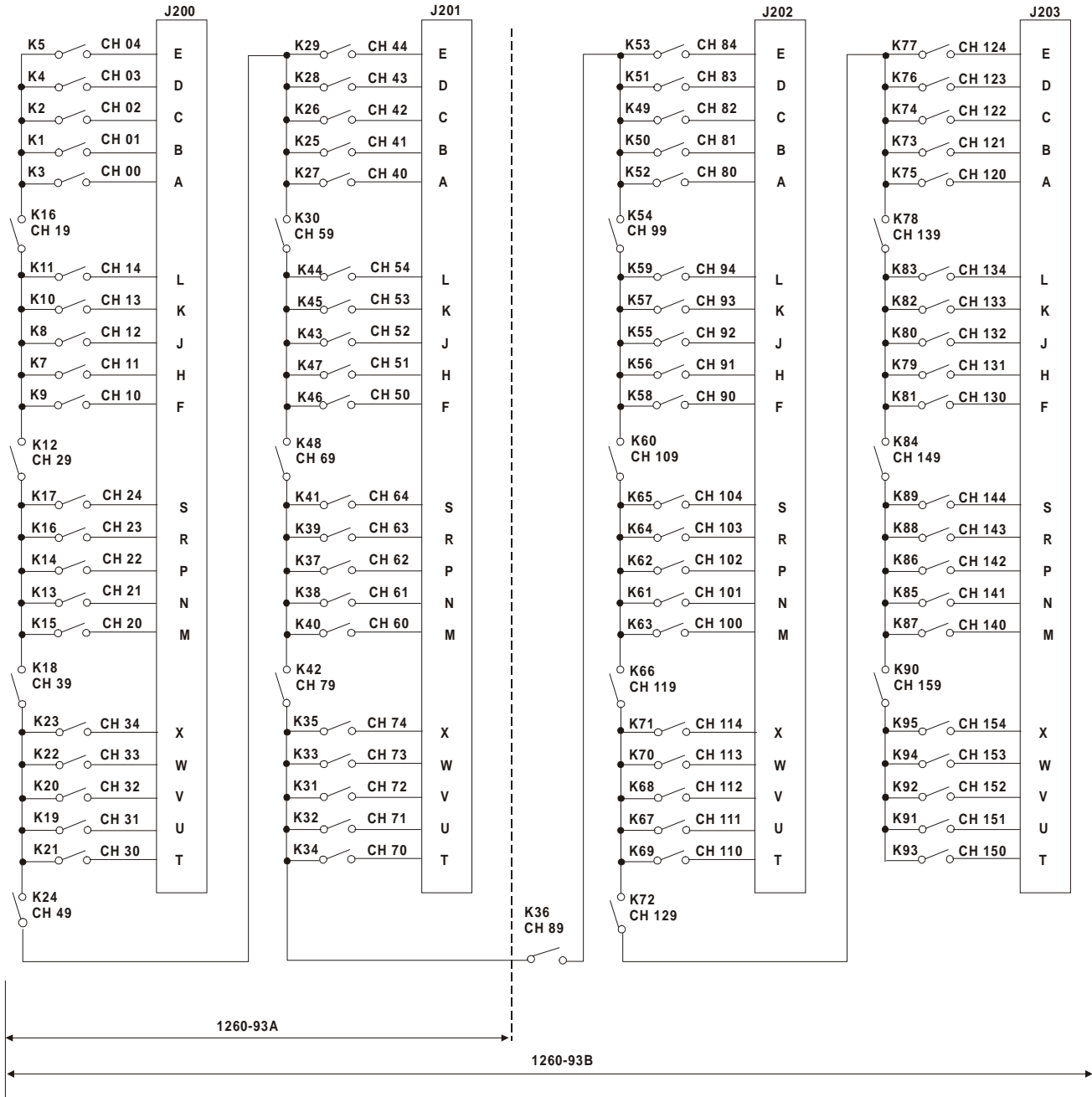


Figure 1-2, 1260-93A/B Functional Diagram



## Specifications

Minimum Firmware Revision Option 01	23.1
User Connector	Housing: Burndy MSD20PM- 118 Contact: Bumdy RMDX60-36D28 for RG316 Coaxial Cable
Maximum Switchable Voltage (Signal to Ground)	200V DC, AC Peak Resistive Load
Maximum Switchable Current (Per Channel)	0.5ADC, AC Peak Resistive Load
Maximum Carry Current (Per Channel)	1ADC, AC Peak Resistive load
Life Expectancy Typical at Signal Level <1.0V, .010A	250 x 10 <sup>6</sup> operations

### DC Performance

Path Resistance	<2.5Ω
-----------------	-------

### AC Performance

Impedance	93Ω
Bandwidth (-3 dB)	>100 MHz
Insertion Loss (1 x 4 Multiplexer)	<1dB at 100MHz
Crosstalk Across Groups 93Ω Termination	10MHz: <-50dB 100MHz: <-40dB
Isolation Between Channels 93Ω Termination	10MHz: >45dB 100MHz: >35dB
VSWR (93Ω Termination) (1 x 4 Multiplexer)	1.5:1 at 100MHz
Rise Time (Typical 1 x 4 Multiplexer)	<2.5nS
Fall Time (Typical 1 x 4 Multiplexer)	<2.5nS
Propagation Delay Time	<3nS

(Typical 1 x 4 Multiplexer)

Switching Time	39±5m5
Cooling Requirements	
Airflow	4 litres/Sec
Backpressure	0.5mmH <sub>2</sub> O
Power Requirements (I <sub>Pm</sub> )	
+5 V	0.4A without Option 01 2.5A with Option 01
+12V	0.5A
Weight	1.174Kg (2.59 lbs) without Option 01 1.315Kg (2.90 lbs) with Option 01

## Coaxial Cable

Optional

Racal Instruments P/N	Length, Feet
407364-001	2
407364-003	6
407364-006	12

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.) Coaxial pins (P/N 602220-900 suitable for RG316 coaxial cable may be purchased separately. Coaxial pins (P/N 602220-901) suitable for coaxial cable smaller than RG3 16 may also be purchased separately (consult factory for details). The 1260-93A requires 40, and the 1260-93B requires 80. To crimp coaxial pins, use crimp tool Hytool M10S-1 from Bumdy.

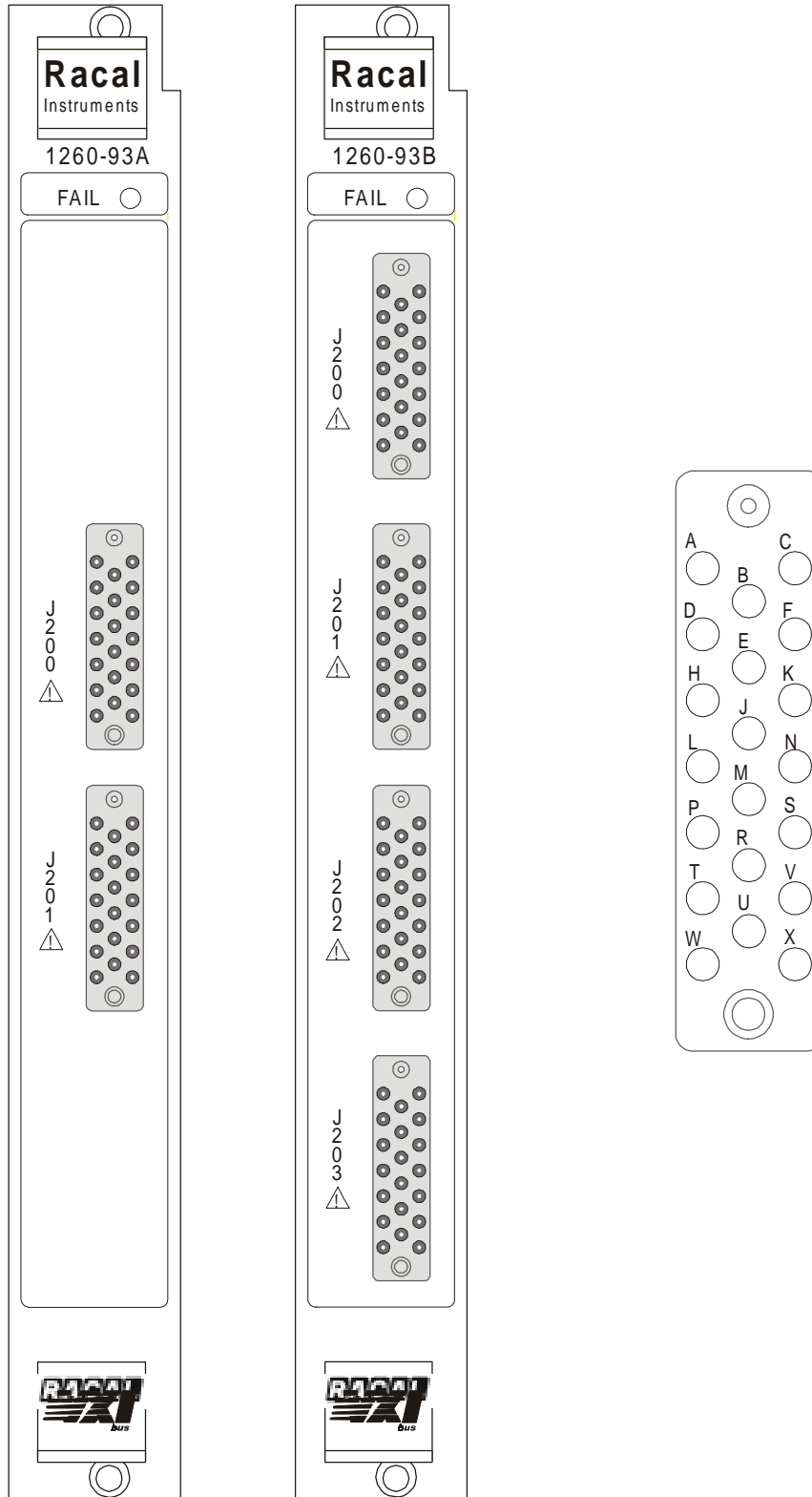


Figure 1-3, 1260-93A/B J200-J203 Connector Pin Configuration

## Ordering Information

Model Number	Description	Part Number
1260-93A	6 1x4 93Ω Multiplexer 40 Channels	407355-001
1260-93B	16 1x4 93Ω Multiplexer 80 Channels	407355-002

## Safety

Refer to the "FOR YOUR SAFETY" page preceding the Table of Contents. Follow all NOTES, CAUTIONS and WARNINGS to ensure personal safety and prevent damage to the instrument.

## Product Support

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 for 1-949-859-8999 or via fax at 1-949-859-7309. We can be reached at:

Helpdesk@racalinstruments.com.

## Chapter 2

# INSTALLATION INSTRUCTIONS

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### Unpacking and Inspection

1. 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.
2. Remove the instrument from its carton, preserving the factory packaging as much as possible.
3. Inspect the switching module for any defect or damage. Immediately notify the carrier if any damage is apparent.
4. Have a qualified person check the instrument for safety before use.

### Reshipment Instructions

1. Use the original packing material when returning the switching module to Racal Instruments for servicing. The original shipping carton and the instrument's foam will provide the necessary support for safe reshipment.
2. if the original packing material is unavailable, wrap the switching module in ESD protective sheeting and use non-ESD generating foam to surround and protect the instrument.
3. Reship in either the original or a new shipping carton.

### Option 01 Installation

Installation of the Option 01 into the 1260-93A/B is described in the Installation section of the 1260 Series VXI Switching Cards Manual.

## **Module Installation**

Installation of the 1260-93A/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 to OFF for the 1260-93A module and to ON for the 1260-93B module.

## MODULE SPECIFIC SYNTAX

---

### 1260-93 Module

The 1260-93A/B RF Multiplexer supports the OPEN, CLOSE, PSETUP, RESET and PDATAOUT commands.

### Syntax

The module specific syntax for the 1260-93A/B RF Multiplexer is as follows:

<module address>.<channel>[;<module address>.<channel>]

where <module address> is the switch card 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:

1260-93A: 00-04, 10-14, 19, 20-24, 29, 30-34, 39, 40-44, 49, 50-54, 59, 60-64, 69, 70-74, 79

1260-93B: 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

---

### CLOSE and OPEN Command

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

#### Example:

For switch card address 5, channels 00, 19, 12

CLOSE 5.00; 5.19; 5.12

OPEN 5.00; 5.19; 5.12

**OR**

CLOSE 5.00, 19, 12

OPEN 5.00, 19, 12

The module address does not have to be specified each time if all channels are on the same module.

---

## PSETUP Command

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 1260-93A/B multiplexer is as follows:

1260-93A:

```
<module address>.1260-93A, 8 (1x4) 93 OHM 100 MHz MULTIPLEXER MODULE
<module address>.BBM
<module address>.END
```

1260-93B:

```
<module address>. 1260-93B, 16( 1X4) 93 OHM 100 MHz MULTIPLEXER MODULE
<module address>.BBM
<module address>.END
```

The response to the PSETUP command consists of a header on the first line. The header describes the model number. The next line designates the setup mode for scanning which, by default, is Break-Before-Make (BBM). The last line containing the "END" characters denotes no more information to report.

---

## PDATAOUT Command

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

PDATAOUT <module address>[.<module address>] [<module address>].....

The responses to the PDATAOUT command is as follows:

1260-93A:

```
<module address>.1260-93A 8 (1x4) 93 OHM 100 MHz MULTIPLEXER MODULE
<module address>.<channel>[,<channel>] [,<channel>].....
```



<module address>.END

1260-93B:

<module address>. 1260-93B 16 (1x4) 93 OHM 100 MHz MULTIPLEXER MODULE  
<module address>.<channel>[,<channel>] [<channel>].....  
<module address>.END

The response to the PDATAOUT command consists of a header on the first line, as with the PSETUP response. The next line details the channels currently closed on the module, and is blank when no channels are closed. Again, the last line is denoted by the "END" string of characters.

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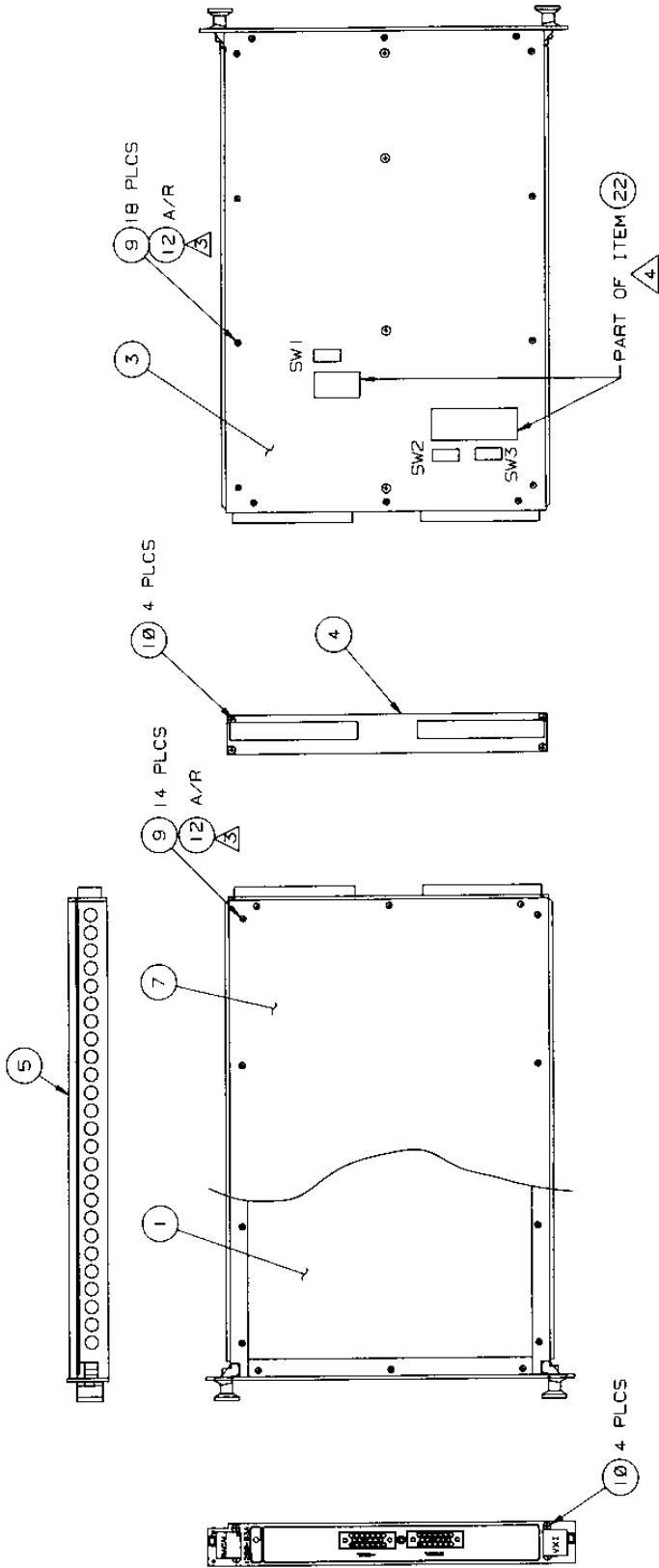
# Chapter 4

## DRAWINGS

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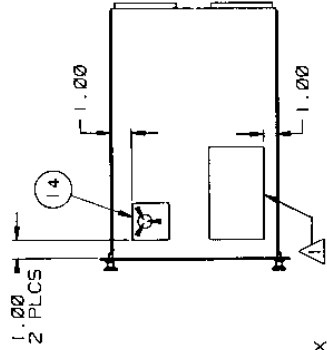
407355-001, Final Assembly, 1260-93A.....	4-3
407355-002, Final Assembly, 1260-93B.....	4-4
405089-001, PCB Assembly, 1260-93A.....	4-5
405089-002, PCB Assembly, 1260-93B.....	4-7
435089, Schematic, 1260-93.....	4-10

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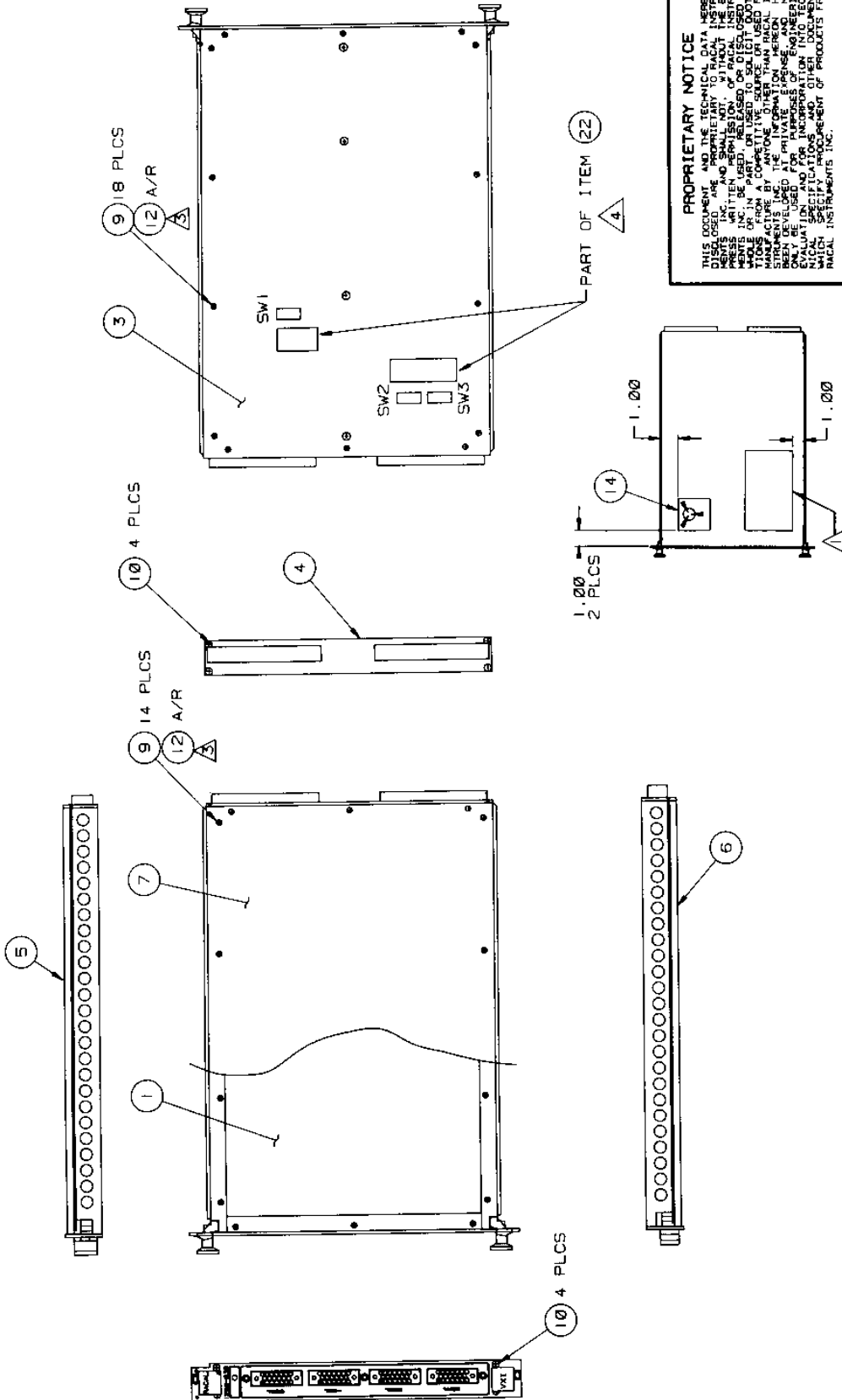
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DOCUMENT TITLE			
1260-93A, 93 OHM			
MUX B 1X4			
SIZE	CAGE CODE	DOCUMENT NO.	REV.
D	21793	407355-001	A
SCALE NONE			SHEET 1 OF 1



DETAIL C  
 LABEL POSITIONS  
 SCALE: NONE

- 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 LOCTITE 242 (ITEM 12) TO ALL SCREWS THAT DO NOT USE MECHANICAL LOCKING HARDWARE.
- 2. LOCATE LABELS AS SHOWN IN DETAIL C.
- 1. LOCATE APPROPRIATE VXI LABEL WHERE SHOWN.

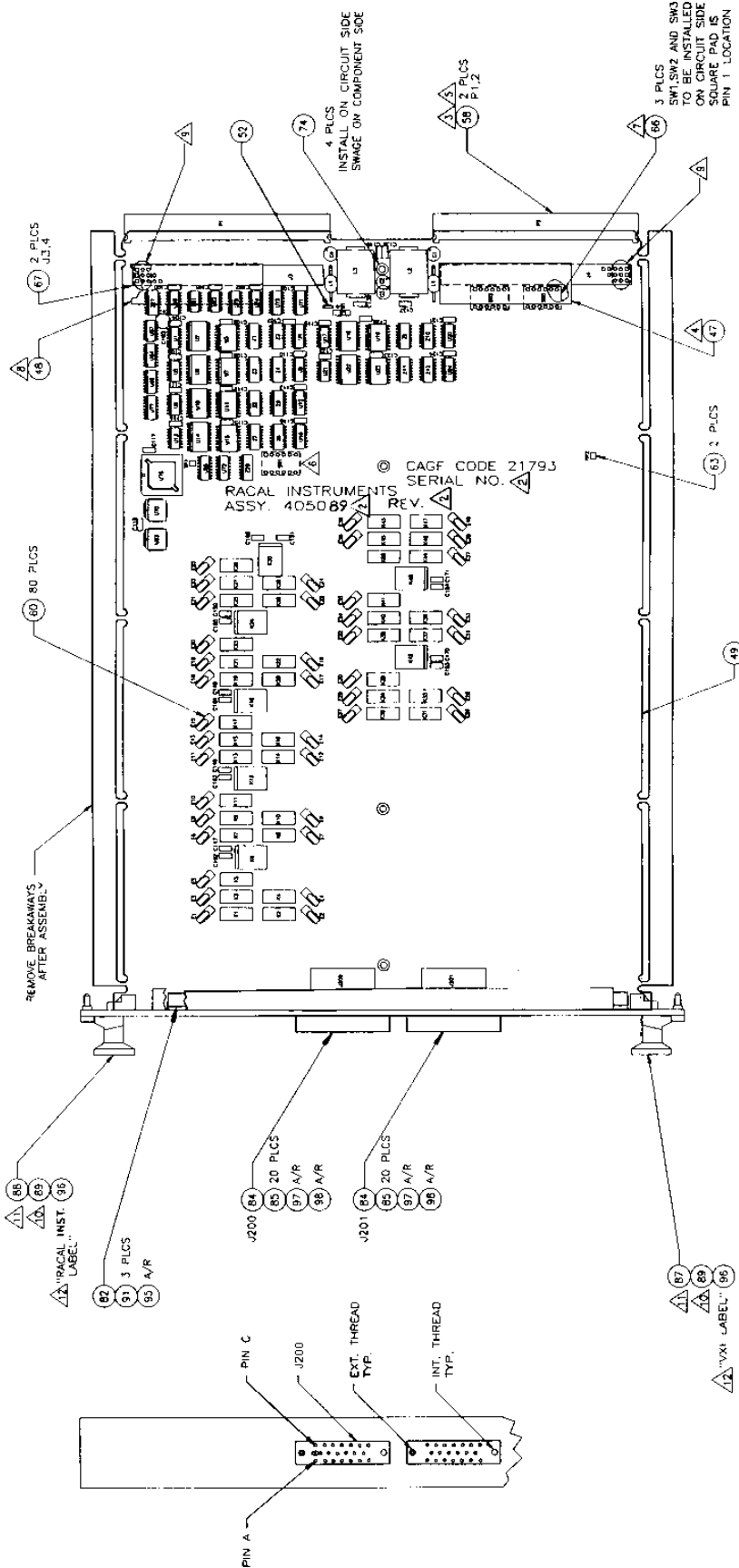


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DOCUMENT TITLE			
1260-93B, 93 OHM MUX 16 1X4			
SIZE	CAGE CODE	DOCUMENT NO.	REV.
D	21793	407355-002	A
SCALE NONE		SHEET	1 OF 1

DETAIL C  
 LABEL POSITIONS  
 SCALE: NONE

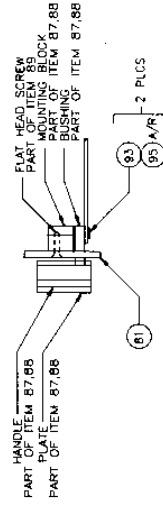
- 4 CUT OUT THE "12 LOCAL BUS LINES" LABEL FROM ITEM 22 LABEL SET. AFFIX LABEL AS SHOWN TO SW2 & SW3. AFFIX "ID BYTE" LABEL AS SHOWN TO SW1. ALIGN LABEL TEXT WITH APPROPRIATE SWITCH ACTUATORS.
- 3 APPLY LOCITITE 242 (ITEM 12) TO ALL SCREWS THAT DO NOT USE MECHANICAL LOCKING HARDWARE.
- 2 LOCATE LABELS AS SHOWN IN DETAIL C.
- 1 LOCATE APPROPRIATE VX1 LABEL WHERE SHOWN.



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<b>Racal Instruments, Inc.</b> 4 Goodyear St., Irvine, CA 92718-2002			
DOCUMENT TITLE			
PCB ASSY, 1260-93A			
SIZE	CODE IDENT NO.	DOCUMENT NO.	REV.
D	21793	405089-001	A
SCALE 1/1			SHEET 1 OF 3

**COMPONENT SIDE**



13. FOR ITEM 85 USE CRIMP TOOL RYT00L M108-1. SET CRIMP TOOL AS FOLLOWS: DIE SET S-80, 5L-105.
14. INSTALL ITEM 96 (RACAL INST. VXI LABELS) RIGHT-READING WITH ITEM 81 NOMENCLATURE.
15. ITEM 87 CONSISTS OF ONE BOTTOM HANDLE, ONE BOTTOM PCB MOUNTING BLOCK, ONE BUSHING AND ONE I.D. PLATE. ITEM 88 IS THE SAME AS ITEM 87 EXCEPT HANDLE AND PCB MOUNTING BLOCK ARE FOR THE TOP.
16. NEW ASSOCIATED PARTS: MOUNTING BLOCKS, BUSHINGS, AND I.D. PLATES ARE ASSOCIATED PARTS. DISCARD UNUSED HARDWARE SUPPLIED WITH ITEM 89.
17. SOLDER TAILS ON CIRCUIT SIDE OF PCB FOR J3 AND J4 (ITEM 67) 3 ROWS (9 PINS) NEAREST EDGE OF PCB BOARD TO BE TRIMMED TO A MAXIMUM HEIGHT OF .045.
18. INSTALL (ITEM 48) PCB INTO (ITEM 67) J3.
19. SET SW2 AND SW3 (ITEM 68) TO ON POSITION. DO NOT WAVE SOLDER.
20. SET SW1 (ITEM 69) TO LOGICAL ADDRESS 1 PER TABLE 1.
21. SOLDER (ITEM 70) TO LOGICAL ADDRESS 1 PER TABLE 1.
22. P1 AND P2 MUST BE INSTALLED FLUSH AT RIGHT ANGLE TO PCB.
23. INSTALL (ITEM 47) PCB INTO (ITEM 67) J4.
24. SOLDER TAILS ON CIRCUIT SIDE OF PCB FOR P1 AND P2 (ITEM 58) TO BE TRIMMED TO A MAXIMUM HEIGHT OF .045.
25. INK STAMP SERIAL NUMBER AND CURRENT REVISION AND ASSY DASH NUMBER ON COMPONENT SIDE APPROX. WHERE SHOWN.
26. REFERENCE SCHEMATIC 435089.

ENGINEERING WIRE LIST

FROM	TO	CONDUCTOR TYPE, GAUGE, COLOR	PART NO.	WIRE LENGTH	REFERENCE
J201-D	E24	CABLE,COAX,93 OHM	CXN-1939	A/R	CH 43
602221-901	E25	CABLE,COAX,93 OHM	CXN-1939	A/R	CH 44
J201-E	E25	CABLE,COAX,93 OHM	CXN-1939	A/R	CH 50
602221-901	E29	CABLE,COAX,93 OHM	CXN-1939	A/R	CH 51
J201-F	E39	CABLE,COAX,93 OHM	CXN-1939	A/R	CH 52
602221-901	E40	CABLE,COAX,93 OHM	CXN-1939	A/R	CH 53
J201-H	E36	CABLE,COAX,93 OHM	CXN-1939	A/R	CH 54
602221-901	E38	CABLE,COAX,93 OHM	CXN-1939	A/R	CH 60
J201-I	E37	CABLE,COAX,93 OHM	CXN-1939	A/R	CH 61
602221-901	E34	CABLE,COAX,93 OHM	CXN-1939	A/R	CH 62
J201-J	E32	CABLE,COAX,93 OHM	CXN-1939	A/R	CH 63
602221-901	E31	CABLE,COAX,93 OHM	CXN-1939	A/R	CH 64
J201-K	E33	CABLE,COAX,93 OHM	CXN-1939	A/R	CH 70
602221-901	E35	CABLE,COAX,93 OHM	CXN-1939	A/R	CH 71
J201-L	E27	CABLE,COAX,93 OHM	CXN-1939	A/R	CH 72
602221-901	E26	CABLE,COAX,93 OHM	CXN-1939	A/R	CH 73
J201-M	E28	CABLE,COAX,93 OHM	CXN-1939	A/R	CH 74
602221-901	E28	CABLE,COAX,93 OHM	CXN-1939	A/R	
J201-N	E30	CABLE,COAX,93 OHM	CXN-1939	A/R	
602221-901	E30	CABLE,COAX,93 OHM	CXN-1939	A/R	
J201-O	E30	CABLE,COAX,93 OHM	CXN-1939	A/R	
602221-901	E30	CABLE,COAX,93 OHM	CXN-1939	A/R	
J201-P	E31	CABLE,COAX,93 OHM	CXN-1939	A/R	
602221-901	E31	CABLE,COAX,93 OHM	CXN-1939	A/R	
J201-Q	E31	CABLE,COAX,93 OHM	CXN-1939	A/R	
602221-901	E31	CABLE,COAX,93 OHM	CXN-1939	A/R	
J201-R	E33	CABLE,COAX,93 OHM	CXN-1939	A/R	
602221-901	E33	CABLE,COAX,93 OHM	CXN-1939	A/R	
J201-S	E35	CABLE,COAX,93 OHM	CXN-1939	A/R	
602221-901	E29	CABLE,COAX,93 OHM	CXN-1939	A/R	
J201-T	E29	CABLE,COAX,93 OHM	CXN-1939	A/R	
602221-901	E27	CABLE,COAX,93 OHM	CXN-1939	A/R	
J201-U	E27	CABLE,COAX,93 OHM	CXN-1939	A/R	
602221-901	E26	CABLE,COAX,93 OHM	CXN-1939	A/R	
J201-V	E26	CABLE,COAX,93 OHM	CXN-1939	A/R	
602221-901	E28	CABLE,COAX,93 OHM	CXN-1939	A/R	
J201-W	E28	CABLE,COAX,93 OHM	CXN-1939	A/R	
602221-901	E30	CABLE,COAX,93 OHM	CXN-1939	A/R	
J201-X	E30	CABLE,COAX,93 OHM	CXN-1939	A/R	
602221-901	E30	CABLE,COAX,93 OHM	CXN-1939	A/R	

RACAL Instruments, Inc., 4 Goodyear St., Irvine, CA 92718

DOCUMENT TITLE PCB ASSY, 1260-93A

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ENGINEERING WIRE LIST

FROM	TO	CONDUCTOR TYPE, GAUGE, COLOR	PART NO.	WIRE LENGTH	REFERENCE
J200-A	E3	CABLE,COAX,93 OHM	CXN-1939	A/R	CH 00
602221-901	E3	CABLE,COAX,93 OHM	CXN-1939	A/R	CH 01
J200-B	E1	CABLE,COAX,93 OHM	CXN-1939	A/R	CH 02
602221-901	E2	CABLE,COAX,93 OHM	CXN-1939	A/R	CH 03
J200-C	E2	CABLE,COAX,93 OHM	CXN-1939	A/R	CH 04
602221-901	E4	CABLE,COAX,93 OHM	CXN-1939	A/R	CH 10
J200-D	E4	CABLE,COAX,93 OHM	CXN-1939	A/R	CH 11
602221-901	E5	CABLE,COAX,93 OHM	CXN-1939	A/R	CH 12
J200-E	E5	CABLE,COAX,93 OHM	CXN-1939	A/R	CH 13
602221-901	E8	CABLE,COAX,93 OHM	CXN-1939	A/R	CH 14
J200-F	E8	CABLE,COAX,93 OHM	CXN-1939	A/R	CH 20
602221-901	E6	CABLE,COAX,93 OHM	CXN-1939	A/R	CH 21
J200-H	E6	CABLE,COAX,93 OHM	CXN-1939	A/R	CH 22
602221-901	E7	CABLE,COAX,93 OHM	CXN-1939	A/R	CH 23
J200-I	E7	CABLE,COAX,93 OHM	CXN-1939	A/R	CH 24
602221-901	E9	CABLE,COAX,93 OHM	CXN-1939	A/R	CH 30
J200-K	E9	CABLE,COAX,93 OHM	CXN-1939	A/R	CH 31
602221-901	E10	CABLE,COAX,93 OHM	CXN-1939	A/R	CH 32
J200-L	E10	CABLE,COAX,93 OHM	CXN-1939	A/R	CH 33
602221-901	E11	CABLE,COAX,93 OHM	CXN-1939	A/R	CH 34
J200-M	E11	CABLE,COAX,93 OHM	CXN-1939	A/R	
602221-901	E12	CABLE,COAX,93 OHM	CXN-1939	A/R	
J200-N	E12	CABLE,COAX,93 OHM	CXN-1939	A/R	
602221-901	E14	CABLE,COAX,93 OHM	CXN-1939	A/R	
J200-O	E14	CABLE,COAX,93 OHM	CXN-1939	A/R	
602221-901	E15	CABLE,COAX,93 OHM	CXN-1939	A/R	
J200-P	E15	CABLE,COAX,93 OHM	CXN-1939	A/R	
602221-901	E18	CABLE,COAX,93 OHM	CXN-1939	A/R	
J200-Q	E18	CABLE,COAX,93 OHM	CXN-1939	A/R	
602221-901	E16	CABLE,COAX,93 OHM	CXN-1939	A/R	
J200-R	E16	CABLE,COAX,93 OHM	CXN-1939	A/R	
602221-901	E17	CABLE,COAX,93 OHM	CXN-1939	A/R	
J200-S	E17	CABLE,COAX,93 OHM	CXN-1939	A/R	
602221-901	E19	CABLE,COAX,93 OHM	CXN-1939	A/R	
J200-T	E19	CABLE,COAX,93 OHM	CXN-1939	A/R	
602221-901	E20	CABLE,COAX,93 OHM	CXN-1939	A/R	
J200-U	E20	CABLE,COAX,93 OHM	CXN-1939	A/R	
602221-901	E20	CABLE,COAX,93 OHM	CXN-1939	A/R	
J200-V	E17	CABLE,COAX,93 OHM	CXN-1939	A/R	
602221-901	E19	CABLE,COAX,93 OHM	CXN-1939	A/R	
J200-W	E19	CABLE,COAX,93 OHM	CXN-1939	A/R	
602221-901	E20	CABLE,COAX,93 OHM	CXN-1939	A/R	
J200-X	E20	CABLE,COAX,93 OHM	CXN-1939	A/R	
602221-901	E20	CABLE,COAX,93 OHM	CXN-1939	A/R	

RACAL Instruments, Inc., 4 Goodyear St., Irvine, CA 92718

DOCUMENT TITLE PCB ASSY, 1260-93A

SIZE CODE NO. A 21793

DRN

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ENGINEERING WIRE LIST

FROM	TO	CONDUCTOR TYPE, GAUGE, COLOR	PART NO.	WIRE LENGTH	REFERENCE
J200-A	E3	CABLE.COAX.93 OHM	CXN-1939	A/R	CH 00
602221-901	455520				
J200-B	E1	CABLE.COAX.93 OHM	CXN-1939	A/R	CH 01
602221-901	455520				
J200-C	E2	CABLE.COAX.93 OHM	CXN-1939	A/R	CH 02
602221-901	455520				
J200-D	E4	CABLE.COAX.93 OHM	CXN-1939	A/R	CH 03
602221-901	4				
J200-E	E5	CABLE.COAX.93 OHM	CXN-1939	A/R	CH 04
602221-901	455520				
J200-F	E8	CABLE.COAX.93 OHM	CXN-1939	A/R	CH 10
602221-901	455520				
J200-H	E6	CABLE.COAX.93 OHM	CXN-1939	A/R	CH 11
602221-901	455520				
J200-I	E7	CABLE.COAX.93 OHM	CXN-1939	A/R	CH 12
602221-901	455520				
J200-J	E9	CABLE.COAX.93 OHM	CXN-1939	A/R	CH 13
602221-901	455520				
J200-K	E9	CABLE.COAX.93 OHM	CXN-1939	A/R	CH 14
602221-901	455520				
J200-L	E10	CABLE.COAX.93 OHM	CXN-1939	A/R	CH 20
602221-901	455520				
J200-M	E13	CABLE.COAX.93 OHM	CXN-1939	A/R	CH 21
602221-901	455520				
J200-N	E11	CABLE.COAX.93 OHM	CXN-1939	A/R	CH 22
602221-901	455520				
J200-P	E12	CABLE.COAX.93 OHM	CXN-1939	A/R	CH 23
602221-901	455520				
J200-R	E14	CABLE.COAX.93 OHM	CXN-1939	A/R	CH 24
602221-901	455520				
J200-S	E15	CABLE.COAX.93 OHM	CXN-1939	A/R	CH 30
602221-901	455520				
J200-T	E18	CABLE.COAX.93 OHM	CXN-1939	A/R	CH 31
602221-901	455520				
J200-U	E16	CABLE.COAX.93 OHM	CXN-1939	A/R	CH 32
602221-901	455520				
J200-V	E17	CABLE.COAX.93 OHM	CXN-1939	A/R	CH 33
602221-901	455520				
J200-W	E19	CABLE.COAX.93 OHM	CXN-1939	A/R	CH 34
602221-901	455520				
J200-X	E20	CABLE.COAX.93 OHM	CXN-1939	A/R	CH 40
602221-901	455520				
J200-Y	E22	CABLE.COAX.93 OHM	CXN-1939	A/R	CH 41
602221-901	455520				
J200-Z	E22	CABLE.COAX.93 OHM	CXN-1939	A/R	CH 42
602221-901	455520				
RACAL Instruments, Inc., 4 Goodyear St., Irvine, CA 92718					
DOCUMENT TITLE					
PCB ASSY. 1260-93B		SIZE	CODE NO.	DOCUMENT NO.	REV
		A	21793	405089-002	A
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ENGINEERING WIRE LIST

FROM	TO	CONDUCTOR TYPE, GAUGE, COLOR	PART NO.	WIRE LENGTH	REFERENCE
J201-D	E24	CABLE.COAX.93 OHM	CXN-1939	A/R	CH 43
602221-901	455520				
J201-E	E25	CABLE.COAX.93 OHM	CXN-1939	A/R	CH 44
602221-901	455520				
J201-F	E39	CABLE.COAX.93 OHM	CXN-1939	A/R	CH 50
602221-901	455520				
J201-H	E40	CABLE.COAX.93 OHM	CXN-1939	A/R	CH 51
602221-901	455520				
J201-J	E36	CABLE.COAX.93 OHM	CXN-1939	A/R	CH 52
602221-901	455520				
J201-K	E38	CABLE.COAX.93 OHM	CXN-1939	A/R	CH 53
602221-901	455520				
J201-L	E37	CABLE.COAX.93 OHM	CXN-1939	A/R	CH 54
602221-901	455520				
J201-M	E34	CABLE.COAX.93 OHM	CXN-1939	A/R	CH 60
602221-901	455520				
J201-N	E32	CABLE.COAX.93 OHM	CXN-1939	A/R	CH 61
602221-901	455520				
J201-P	E31	CABLE.COAX.93 OHM	CXN-1939	A/R	CH 62
602221-901	455520				
J201-R	E33	CABLE.COAX.93 OHM	CXN-1939	A/R	CH 63
602221-901	455520				
J201-S	E35	CABLE.COAX.93 OHM	CXN-1939	A/R	CH 64
602221-901	455520				
J201-T	E29	CABLE.COAX.93 OHM	CXN-1939	A/R	CH 70
602221-901	455520				
J201-U	E27	CABLE.COAX.93 OHM	CXN-1939	A/R	CH 71
602221-901	455520				
J201-V	E26	CABLE.COAX.93 OHM	CXN-1939	A/R	CH 72
602221-901	455520				
J201-W	E28	CABLE.COAX.93 OHM	CXN-1939	A/R	CH 73
602221-901	455520				
J201-X	E30	CABLE.COAX.93 OHM	CXN-1939	A/R	CH 74
602221-901	455520				
J202-A	E44	CABLE.COAX.93 OHM	CXN-1939	A/R	CH 80
602221-901	455520				
J202-B	E42	CABLE.COAX.93 OHM	CXN-1939	A/R	CH 81
602221-901	455520				
J202-C	E41	CABLE.COAX.93 OHM	CXN-1939	A/R	CH 82
602221-901	455520				
J202-D	E43	CABLE.COAX.93 OHM	CXN-1939	A/R	CH 83
602221-901	455520				
J202-E	E45	CABLE.COAX.93 OHM	CXN-1939	A/R	CH 84
602221-901	455520				
J202-F	E49	CABLE.COAX.93 OHM	CXN-1939	A/R	CH 90
602221-901	455520				
RACAL Instruments, Inc., 4 Goodyear St., Irvine, CA 92718					
DOCUMENT TITLE					
PCB ASSY. 1260-93B		SIZE	CODE NO.	DOCUMENT NO.	REV
		A	21793	405089-002	A
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ENGINEERING WIRE LIST

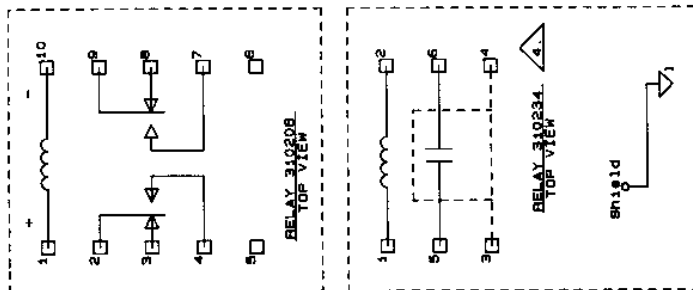
FROM	TO	CONDUCTOR TYPE, GAUGE, COLOR	PART NO.	WIRE LENGTH	REFERENCE
J203-L	E70	CABLE:COAX:93 OHM	CXN-1939	A/R	CH134
602221-901	455520				
J203-M	E73	CABLE:COAX:93 OHM	CXN-1939	A/R	CH140
602221-901	455520				
J203-N	E71	CABLE:COAX:93 OHM	CXN-1939	A/R	CH141
602221-901	455520				
J203-P	E72	CABLE:COAX:93 OHM	CXN-1939	A/R	CH142
602221-901	455520				
J203-R	E74	CABLE:COAX:93 OHM	CXN-1939	A/R	CH143
602221-901	455520				
J203-S	E75	CABLE:COAX:93 OHM	CXN-1939	A/R	CH144
602221-901	455520				
J203-T	E78	CABLE:COAX:93 OHM	CXN-1939	A/R	CH150
602221-901	455520				
J203-U	E76	CABLE:COAX:93 OHM	CXN-1939	A/R	CH151
602221-901	455520				
J203-V	E77	CABLE:COAX:93 OHM	CXN-1939	A/R	CH152
602221-901	455520				
J203-W	E79	CABLE:COAX:93 OHM	CXN-1939	A/R	CH153
602221-901	455520				
J203-X	E80	CABLE:COAX:93 OHM	CXN-1939	A/R	CH154
602221-901	455520				

ENGINEERING WIRE LIST

FROM	TO	CONDUCTOR TYPE, GAUGE, COLOR	PART NO.	WIRE LENGTH	REFERENCE
J202-H	E47	CABLE:COAX:93 OHM	CXN-1939	A/R	CH 91
602221-901	455520				
J202-J	E46	CABLE:COAX:93 OHM	CXN-1939	A/R	CH 92
602221-901	455520				
J202-K	E48	CABLE:COAX:93 OHM	CXN-1939	A/R	CH 93
602221-901	455520				
J202-L	E50	CABLE:COAX:93 OHM	CXN-1939	A/R	CH 94
602221-901	455520				
J202-M	E53	CABLE:COAX:93 OHM	CXN-1939	A/R	CH100
602221-901	455520				
J202-N	E51	CABLE:COAX:93 OHM	CXN-1939	A/R	CH101
602221-901	455520				
J202-P	E52	CABLE:COAX:93 OHM	CXN-1939	A/R	CH102
602221-901	455520				
J202-R	E54	CABLE:COAX:93 OHM	CXN-1939	A/R	CH103
602221-901	455520				
J202-S	E55	CABLE:COAX:93 OHM	CXN-1939	A/R	CH104
602221-901	455520				
J202-T	E58	CABLE:COAX:93 OHM	CXN-1939	A/R	CH110
602221-901	455520				
J202-U	E56	CABLE:COAX:93 OHM	CXN-1939	A/R	CH111
602221-901	455520				
J202-V	E57	CABLE:COAX:93 OHM	CXN-1939	A/R	CH112
602221-901	455520				
J202-W	E59	CABLE:COAX:93 OHM	CXN-1939	A/R	CH113
602221-901	455520				
J202-X	E60	CABLE:COAX:93 OHM	CXN-1939	A/R	CH114
602221-901	455520				
J203-A	E63	CABLE:COAX:93 OHM	CXN-1939	A/R	CH120
602221-901	455520				
J203-B	E61	CABLE:COAX:93 OHM	CXN-1939	A/R	CH121
602221-901	455520				
J203-C	E62	CABLE:COAX:93 OHM	CXN-1939	A/R	CH122
602221-901	455520				
J203-D	E64	CABLE:COAX:93 OHM	CXN-1939	A/R	CH123
602221-901	455520				
J203-E	E65	CABLE:COAX:93 OHM	CXN-1939	A/R	CH124
602221-901	455520				
J203-F	E68	CABLE:COAX:93 OHM	CXN-1939	A/R	CH130
602221-901	455520				
J203-H	E66	CABLE:COAX:93 OHM	CXN-1939	A/R	CH131
602221-901	455520				
J203-J	E67	CABLE:COAX:93 OHM	CXN-1939	A/R	CH132
602221-901	455520				
J203-K	E69	CABLE:COAX:93 OHM	CXN-1939	A/R	CH133
602221-901	455520				

RACAL Instruments, Inc., 4 Goodyear St., Irvine, CA 92718  
 DOCUMENT TITLE PCB ASSY, 1260-93B  
 SIZE A  
 CODE NO. 21793  
 DRN  
 DOCUMENT NO. 405089-002  
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RACAL Instruments, Inc., 4 Goodyear St., Irvine, CA 92718  
 DOCUMENT TITLE PCB ASSY, 1260-93B  
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 SHEET 4 of 5



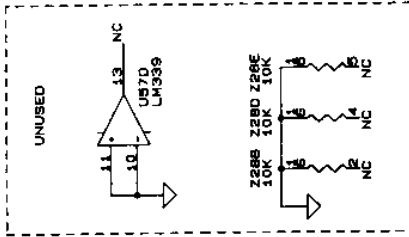
- 6. PARTS INSTALLED FOR 405072-002 ONLY. PARTS NOT INSTALLED FOR 405072-001.
- 5. C5 AND C6 ARE NOT INSTALLED.
- 4. RELAYS RACAL P/N 310234. RELAYS ELECTROSTATIC SHIELDS (PIN 3, 4) TIED TO SIGNAL GROUND.
- 3. ALL RELAYS SHOWN IN DE-ENERGIZED POSITION.
- 2. RESISTOR NETWORKS ARE IN OHMS. +/-2%.
- 1. CAPACITOR VALUES ARE IN MICROFARADS, 50V. +/-20% UNLESS OTHERWISE SPECIFIED.

NOTES: UNLESS OTHERWISE SPECIFIED

U76	231154 (22V10H)	28	14
U75	26LS31	16	8
U73, 74	26LS32	16	8
U71, 72, 77	74HCT253	16	8
U70	231152-001 (18L60)	20	10
U57	LH339	3	12
U56	74HCT85	16	8
U54, 55	74LS138	16	8
U53	231153 (18R4)	20	10
U4, 8, 12, 15, 20, 24, 28	74HCT106	16	8
U32, 36, 40, 44, 48, 50			
U3, 7, 11, 15, 19, 23, 27, 31, 35, 39, 43, 47	2803	NC	9
U2, 6, 10, 14, 18, 22, 26, 30, 34, 38, 42, 46	74HCT273	20	10
U1, 5, 9, 13, 17, 21, 25, 29, 33, 37, 41, 45, 49, 52	74HCT164	14	7
REF. DES.	IC TYPE	+5V PIN NO.	GND PIN NO.

HIGHEST REF. DES.

228
M1
U77
TP2
SW3
P2
L5
K97
J203
E90
C176



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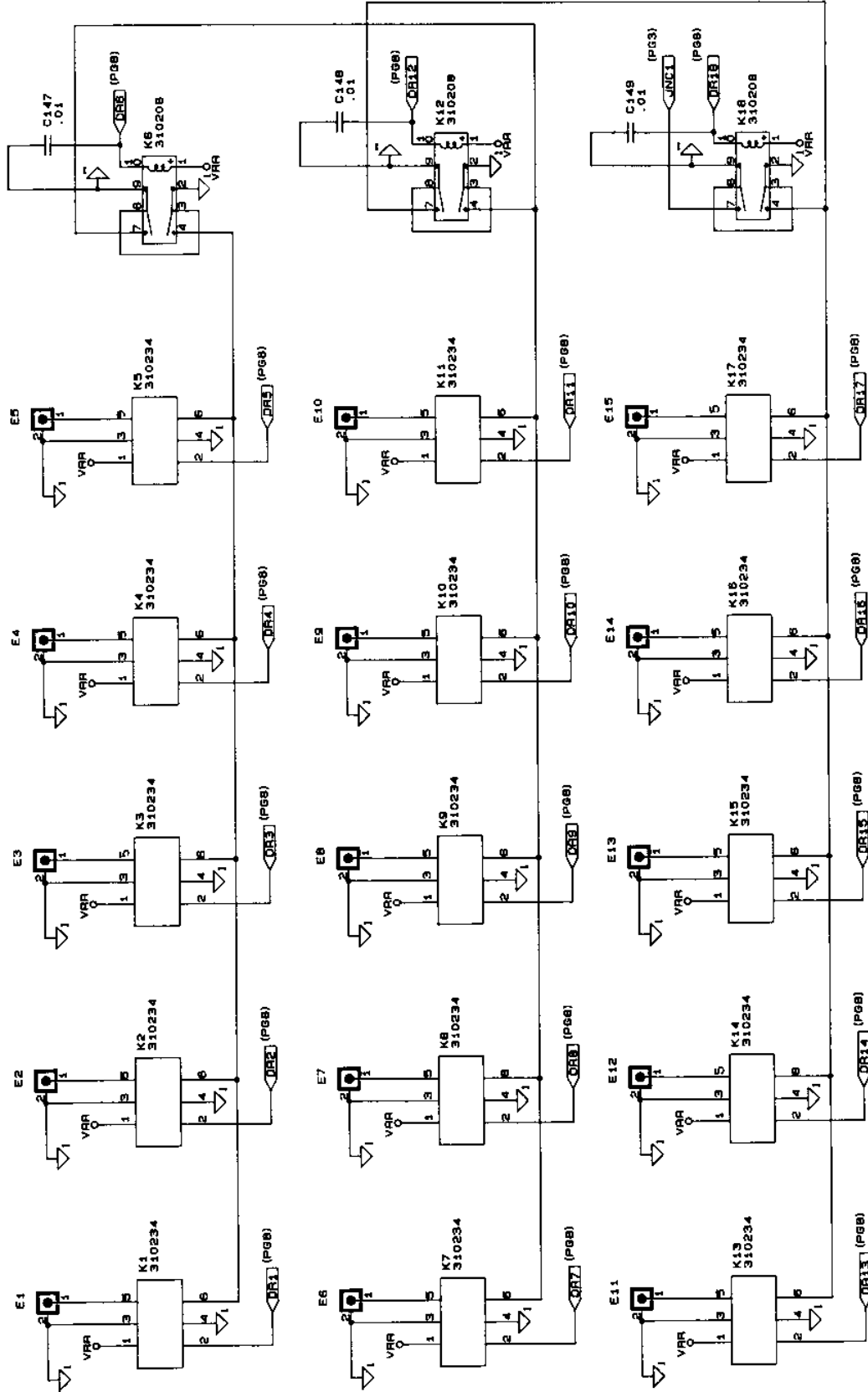
**Racal Instruments, Inc.**  
 4 Goodyear St., Irvine, CA. 92718-2002

DOCUMENT TITLE

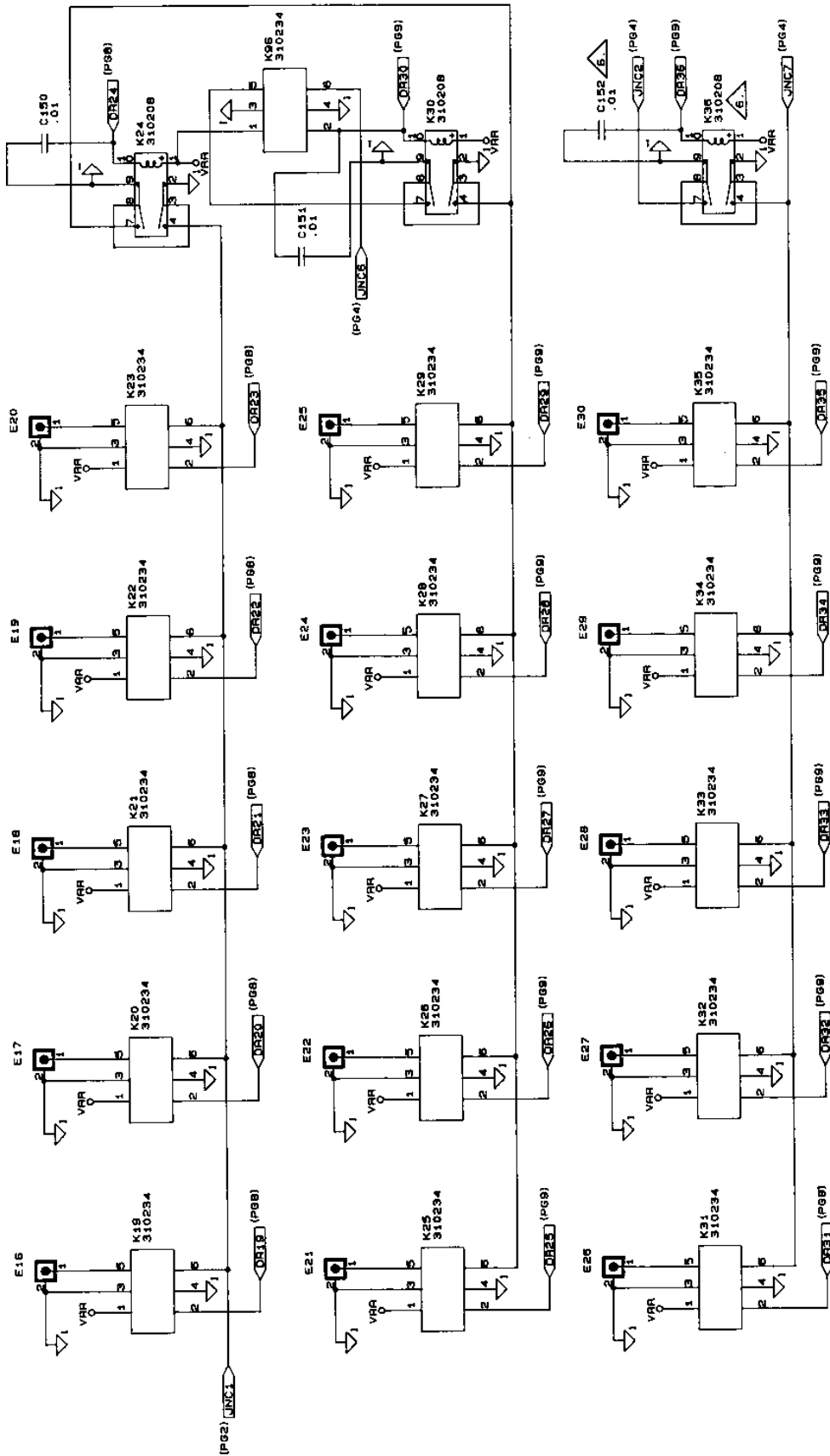
SCHEM.. 1260-93A, B

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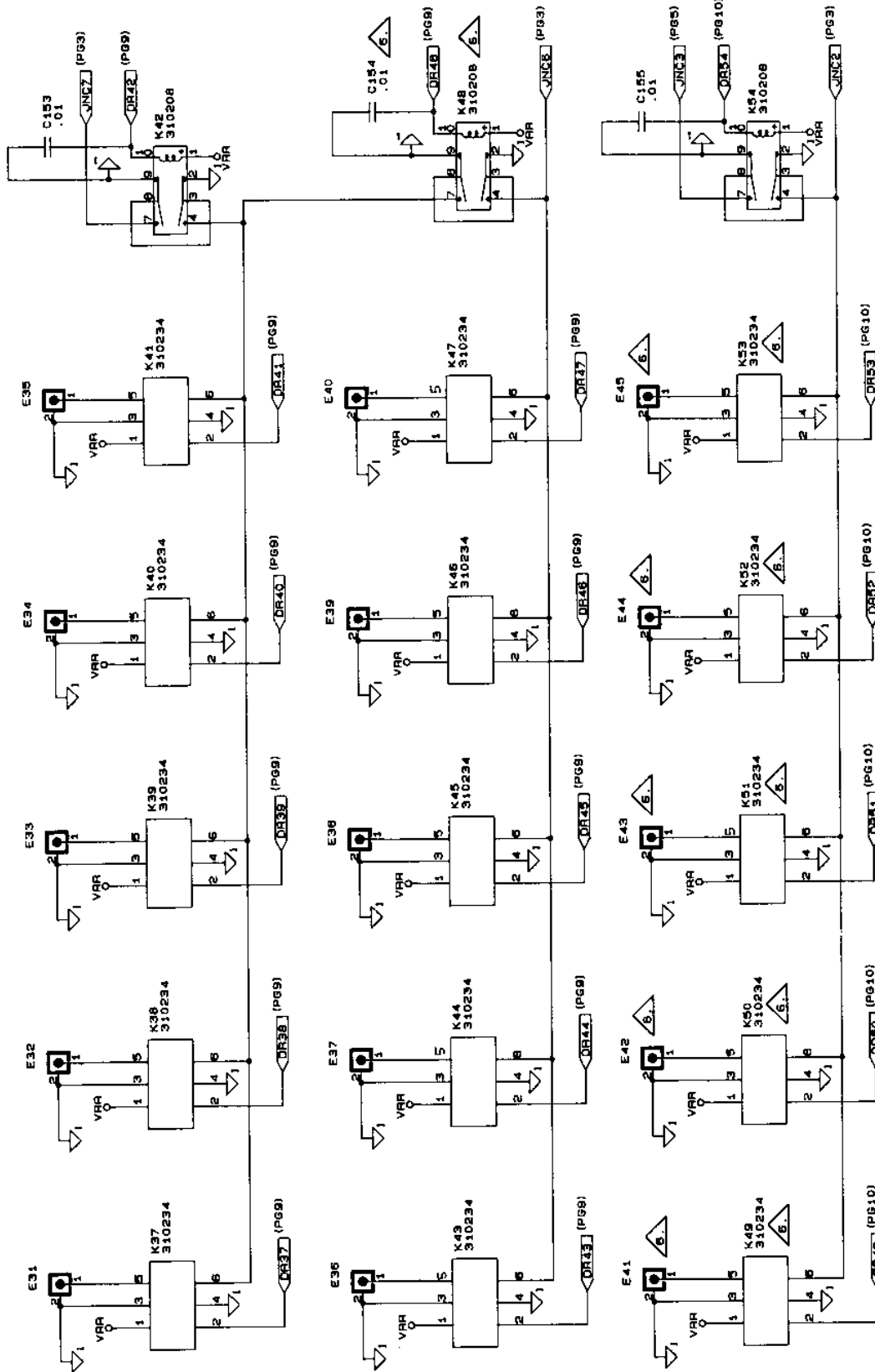
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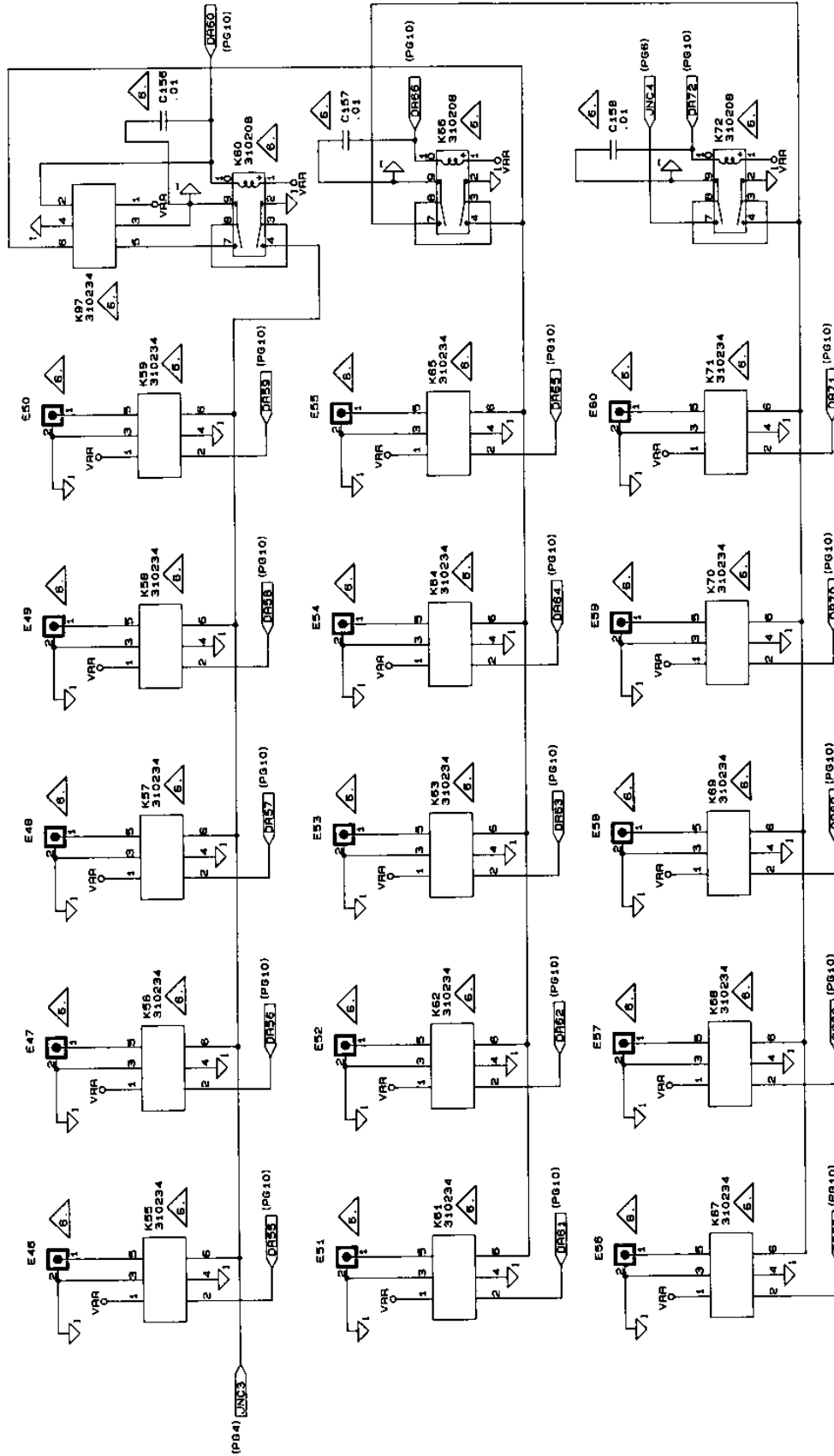
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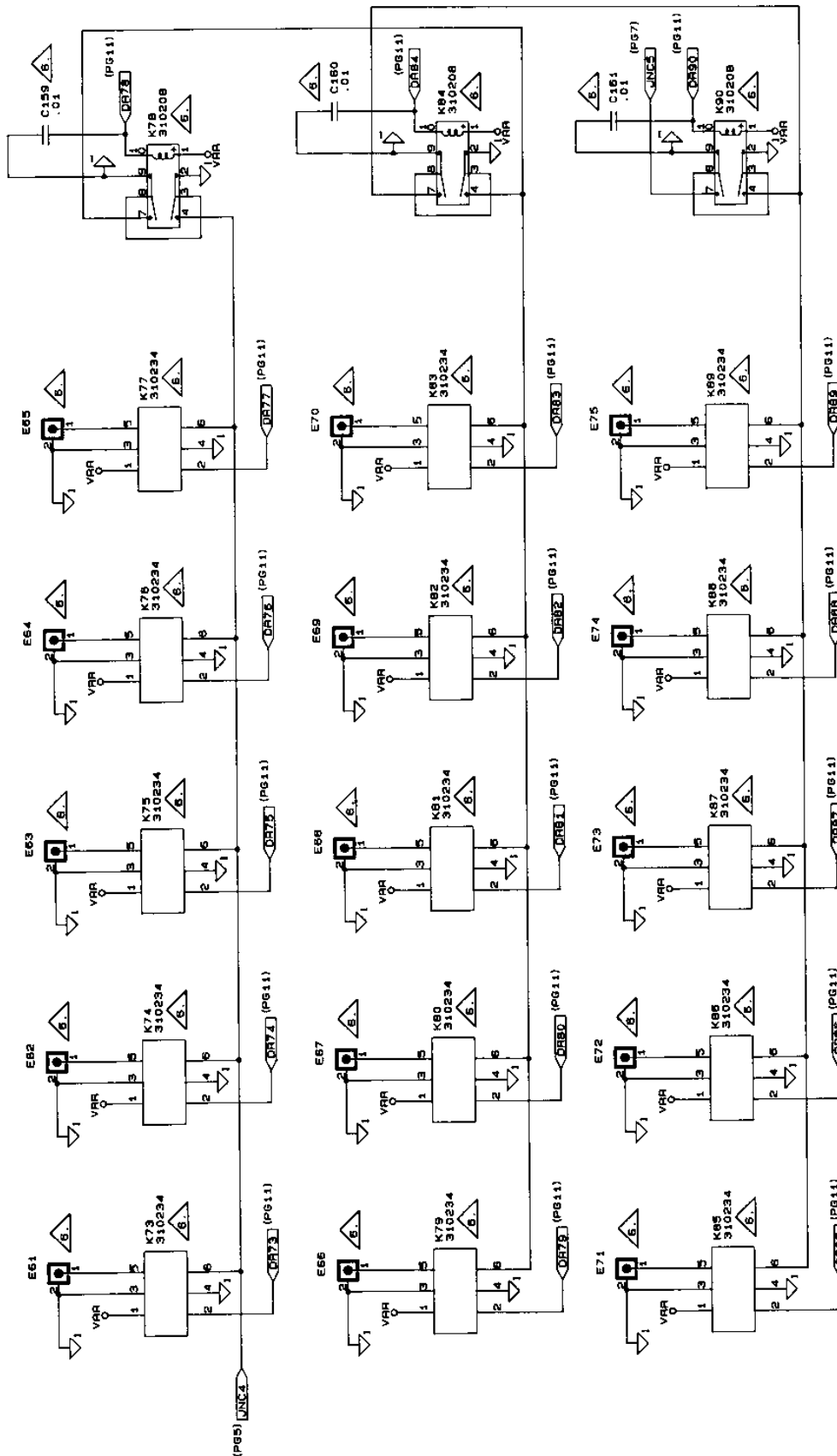


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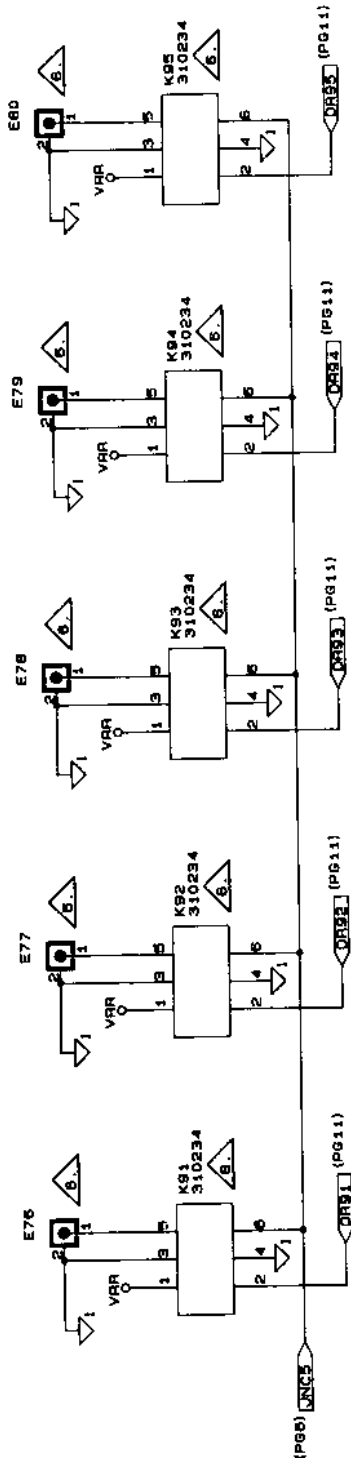


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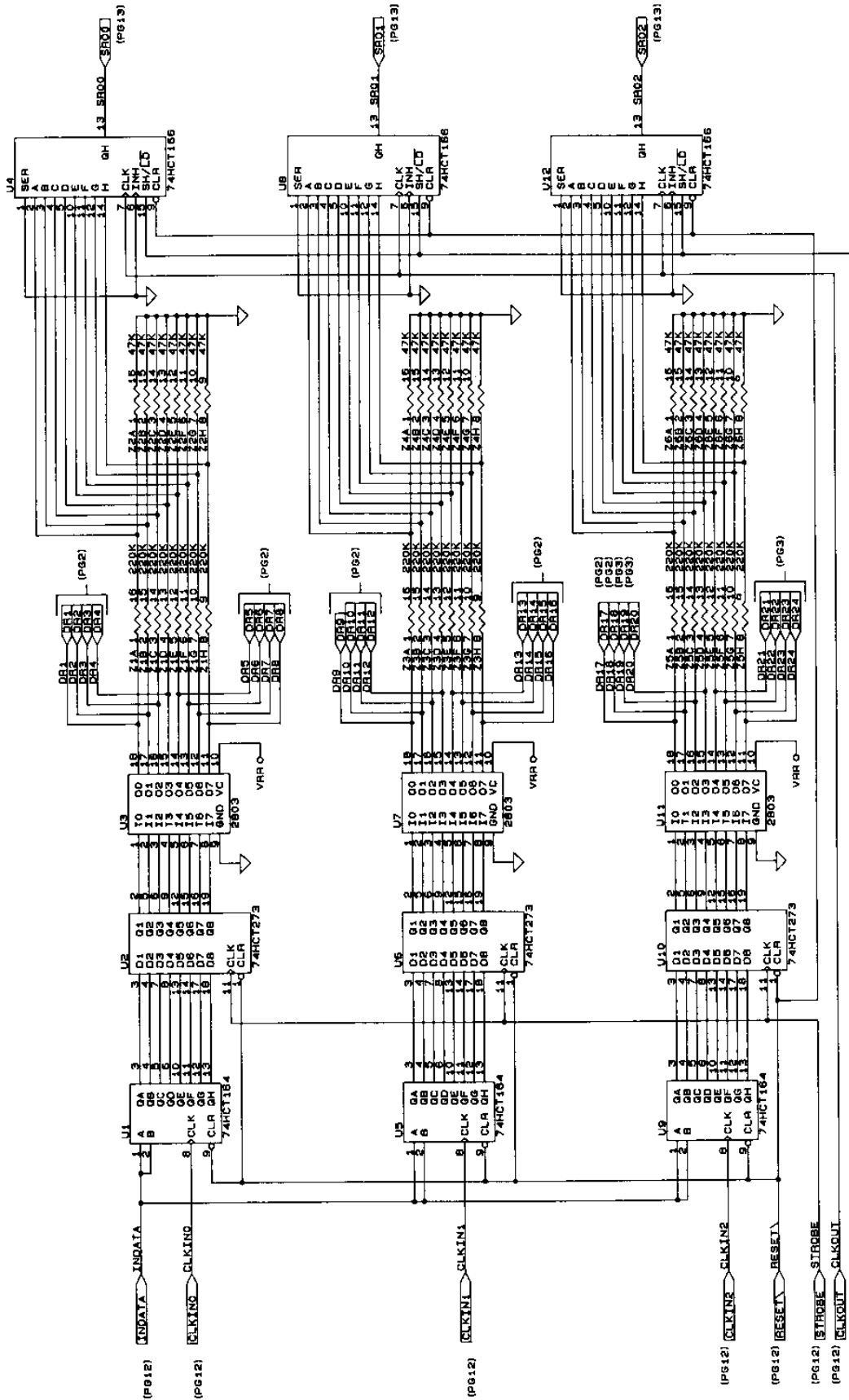




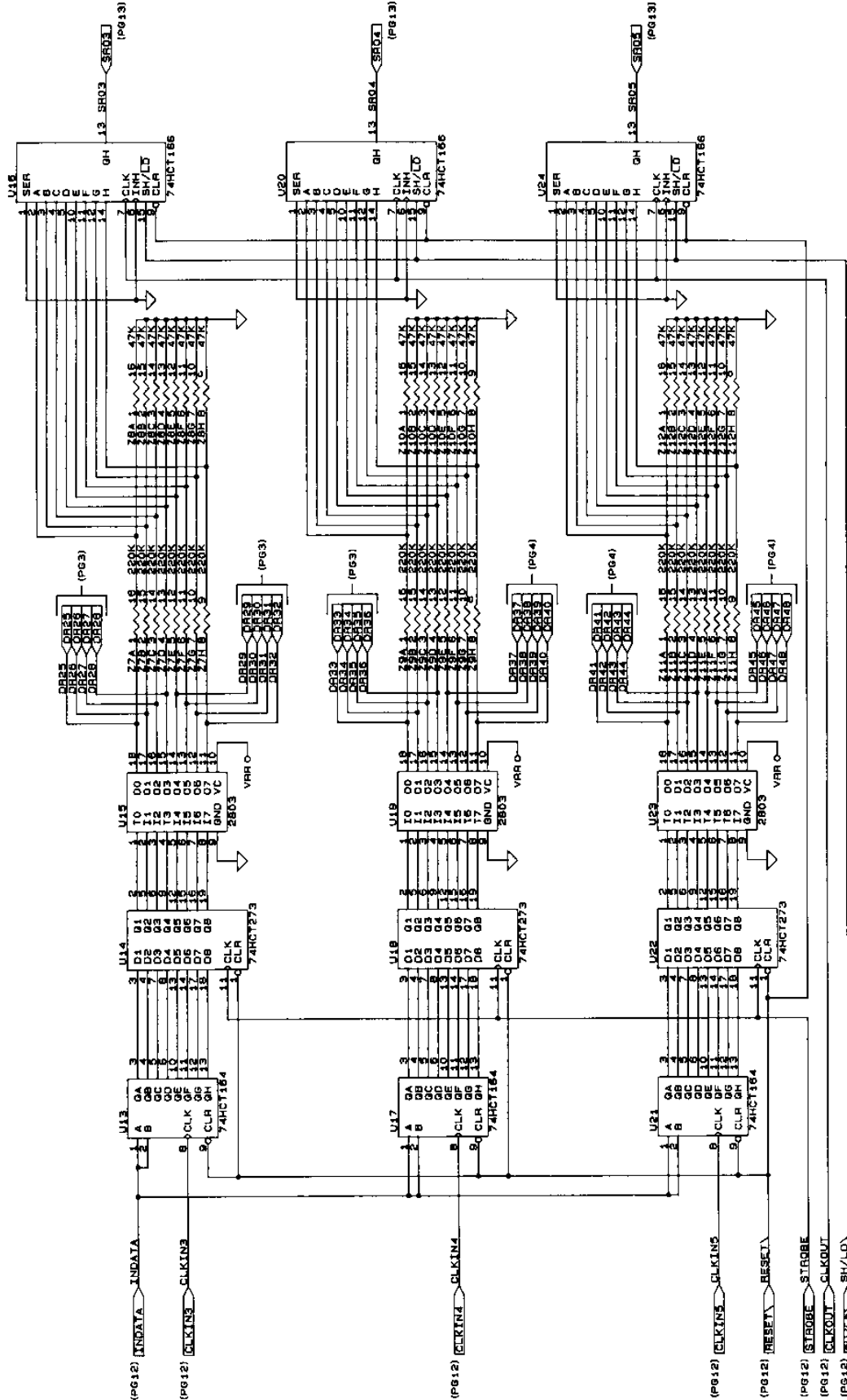
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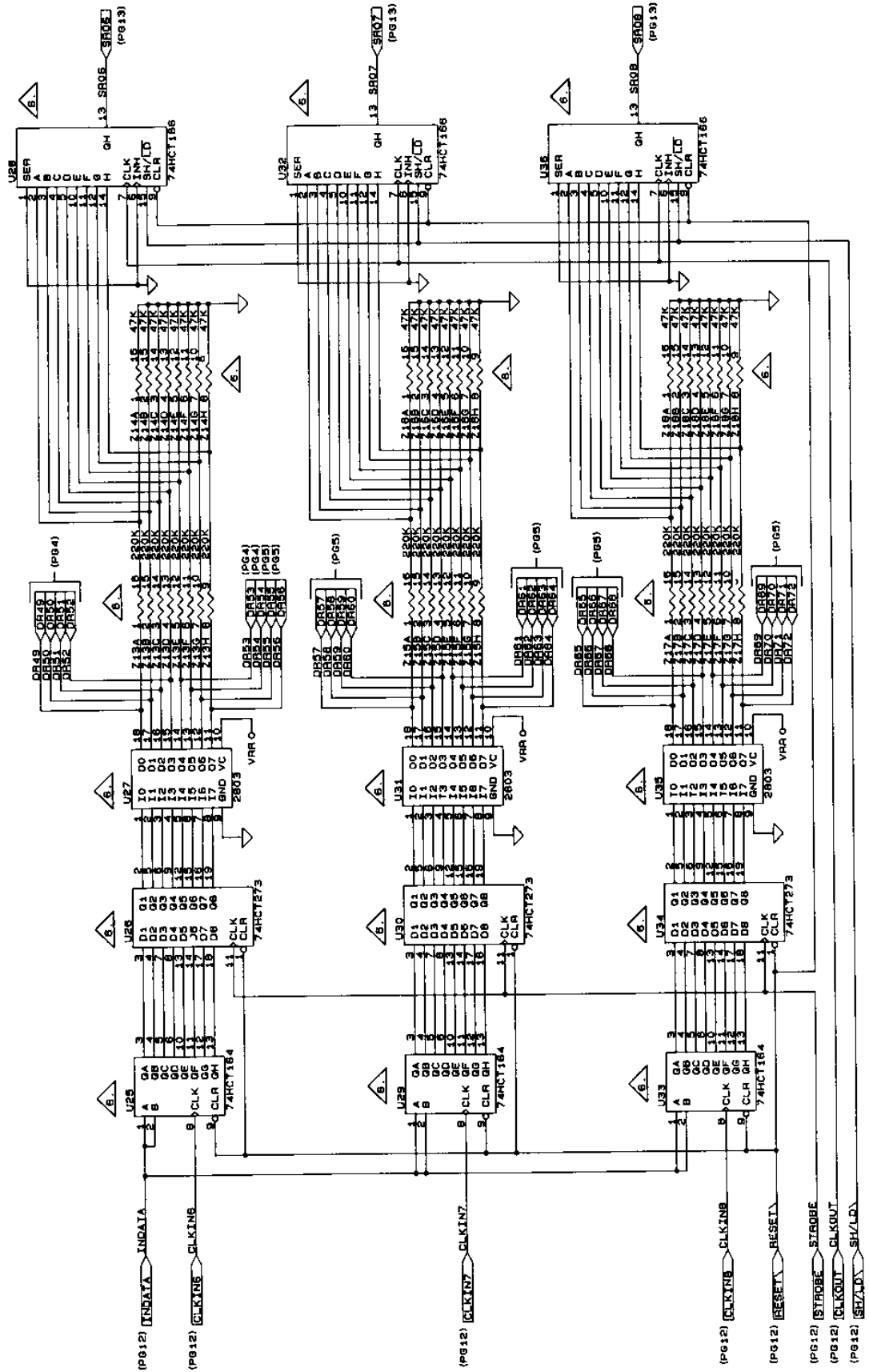
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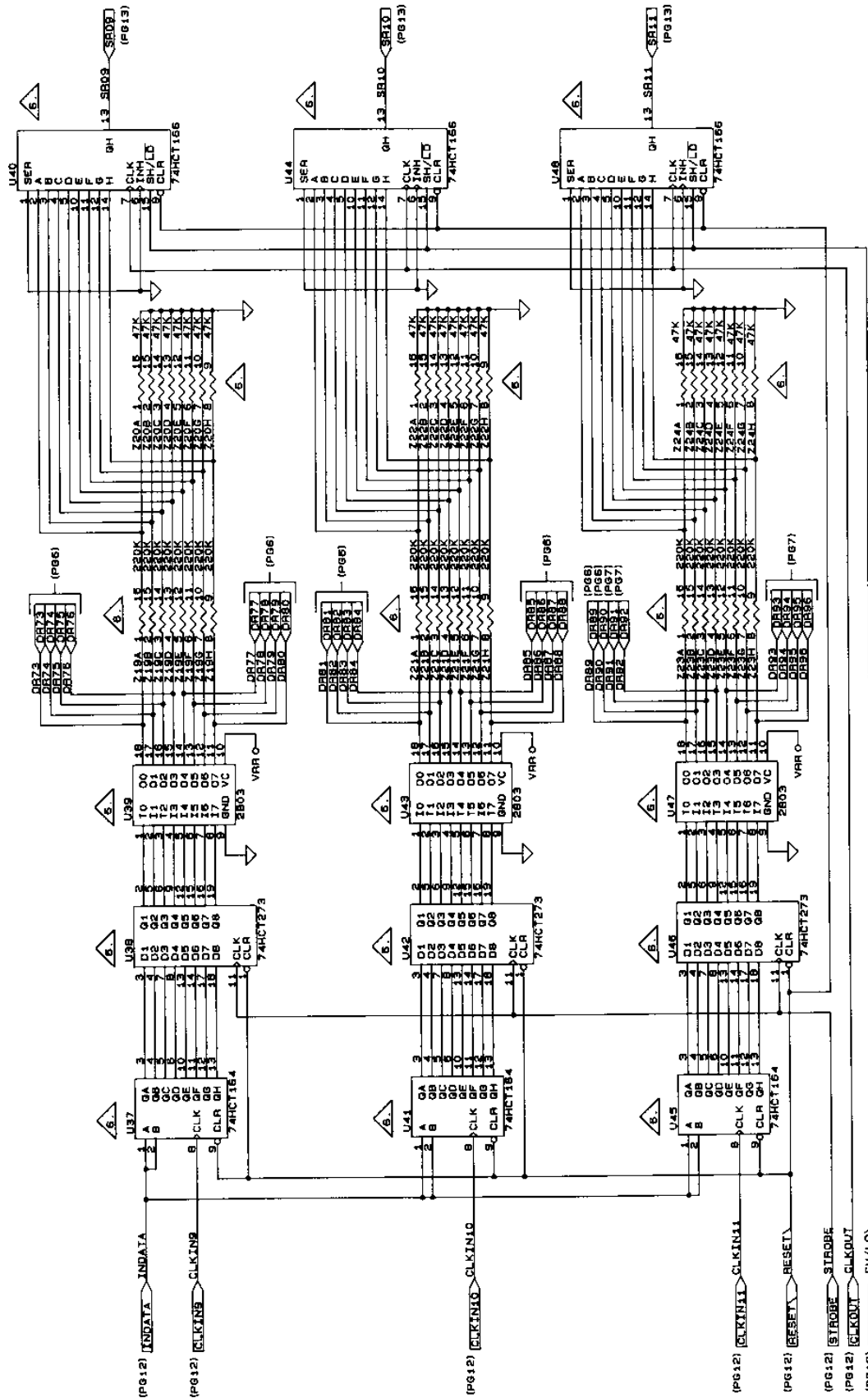
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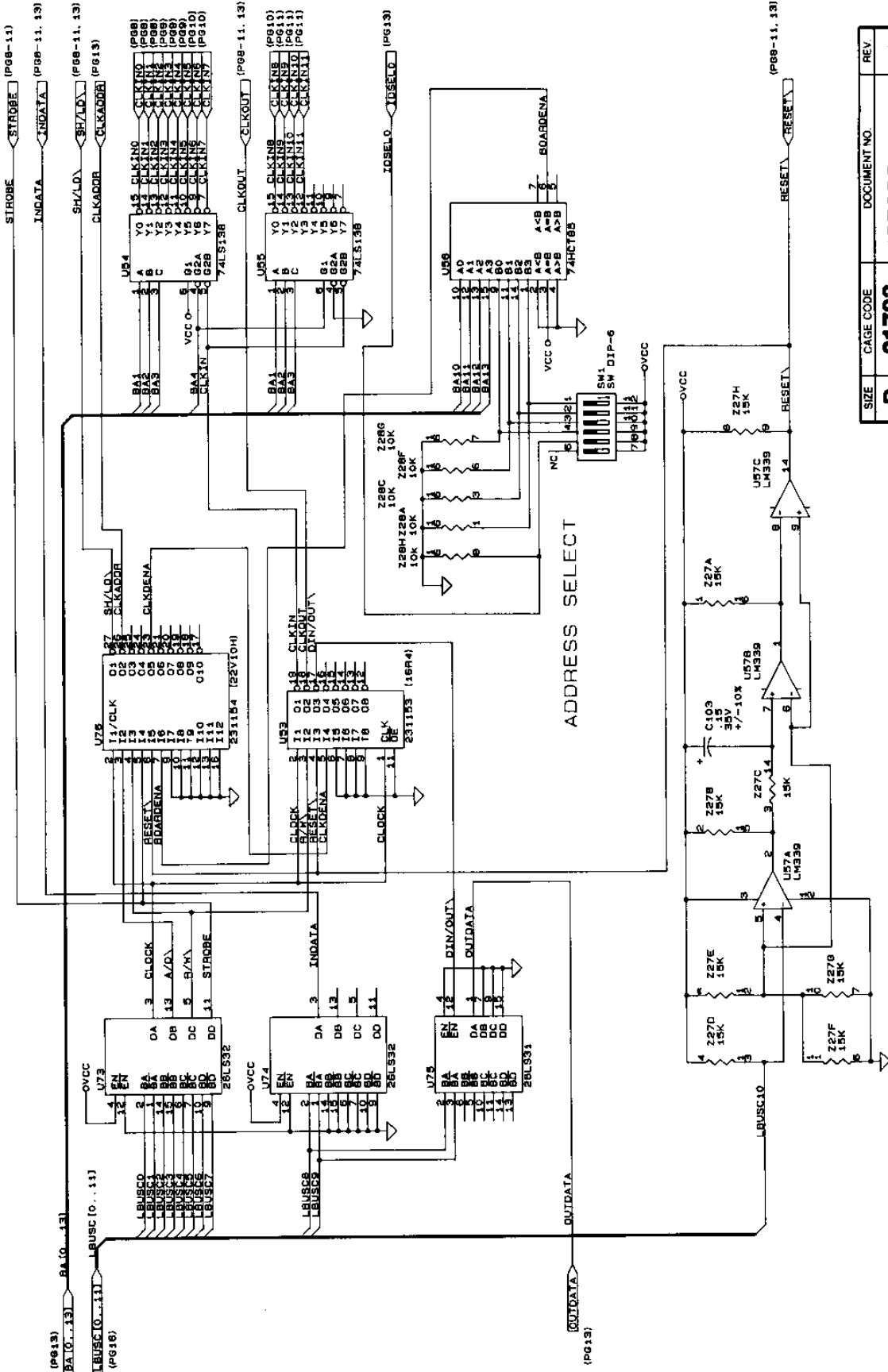
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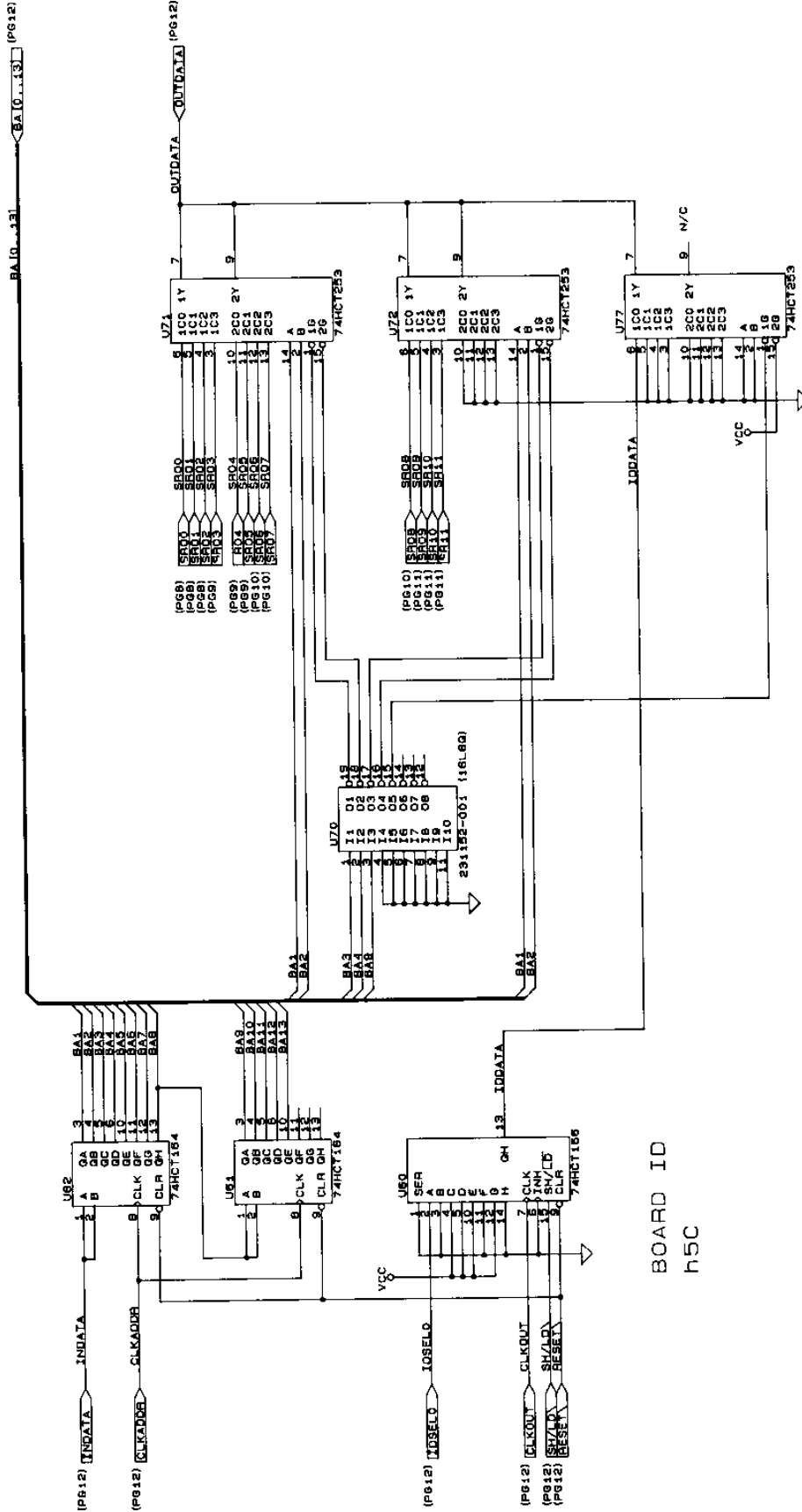
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SIZE	CAGE CODE	DOCUMENT NO.	REV
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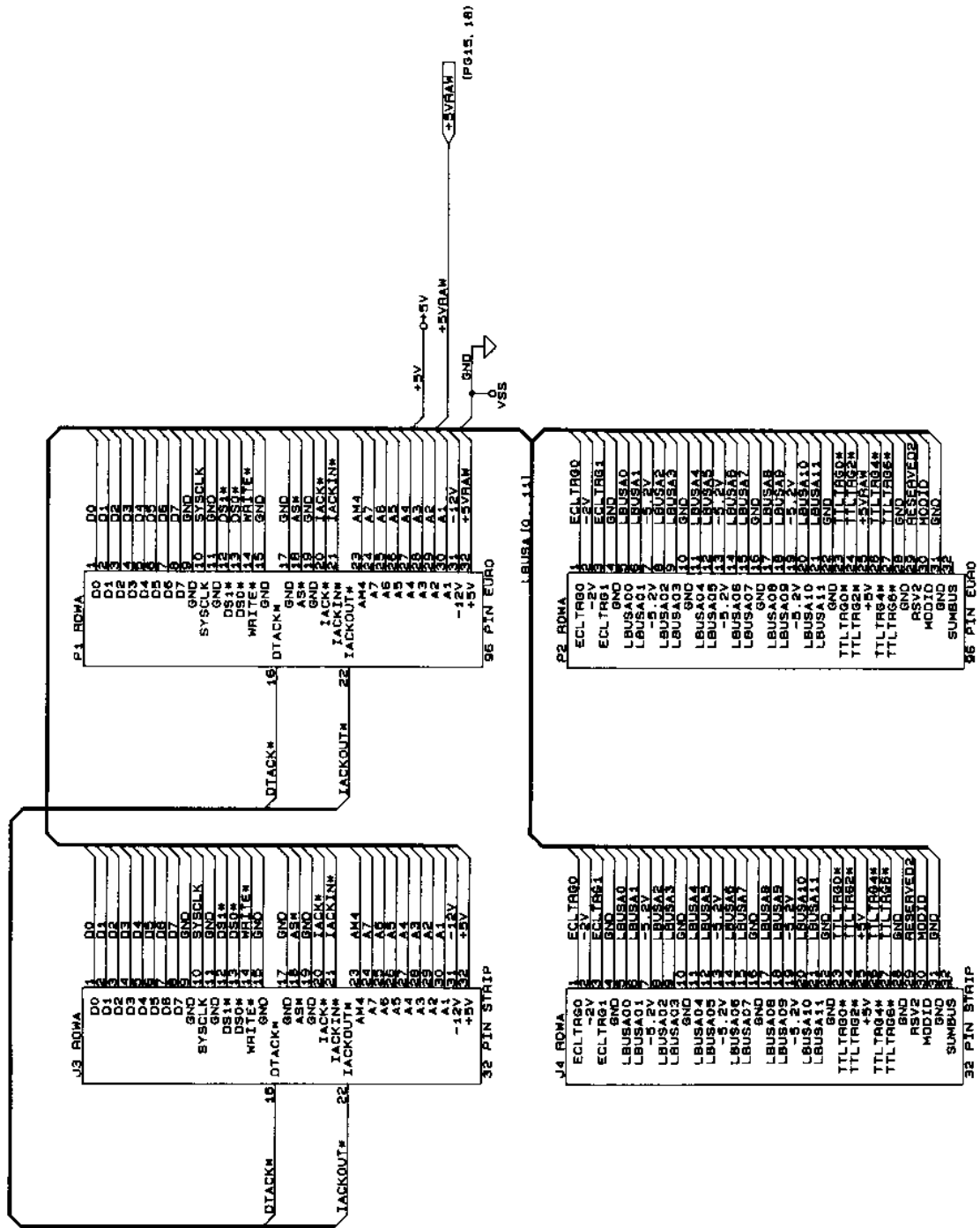
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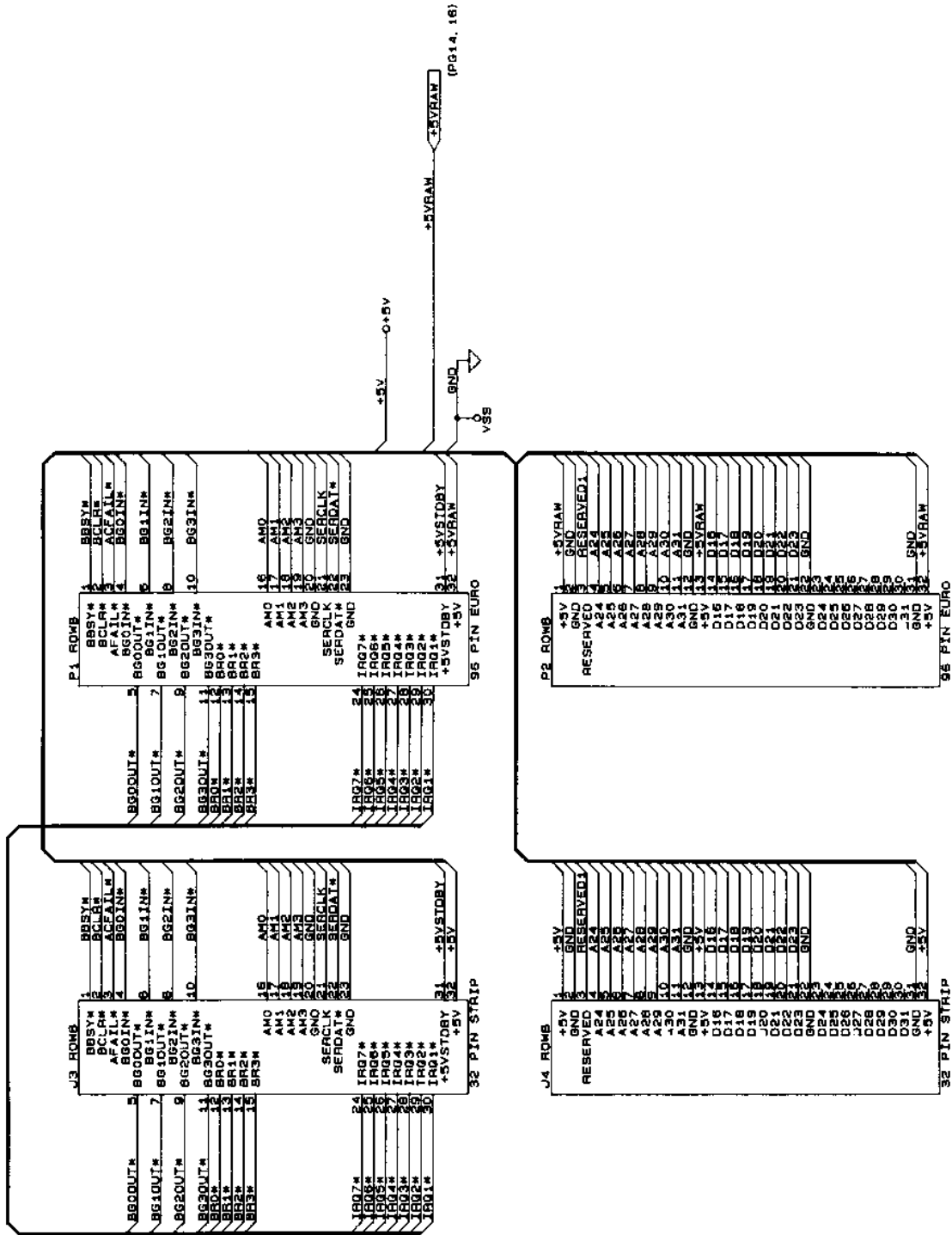
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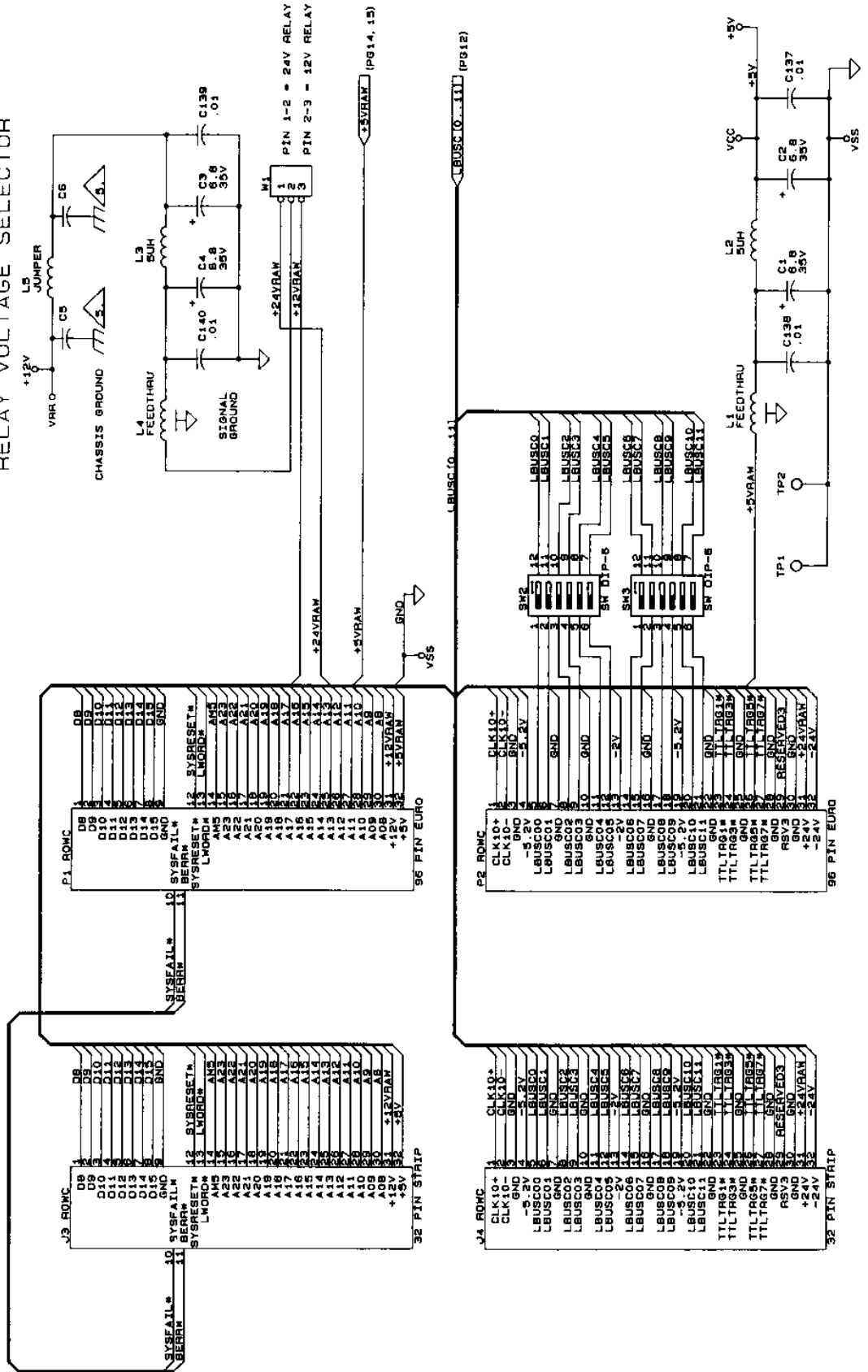


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SCALE		SHEET 14	OF 17

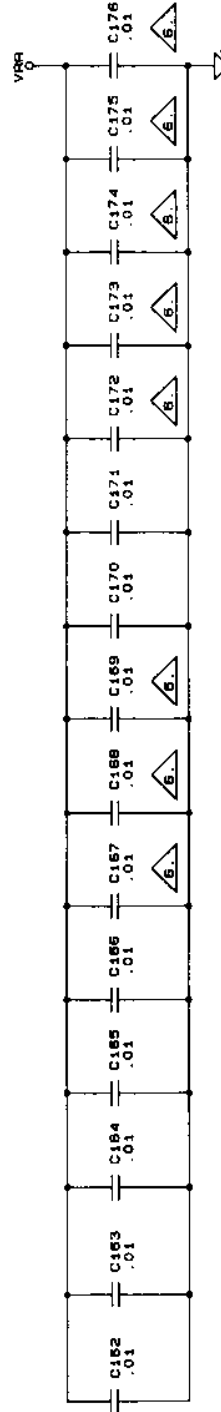
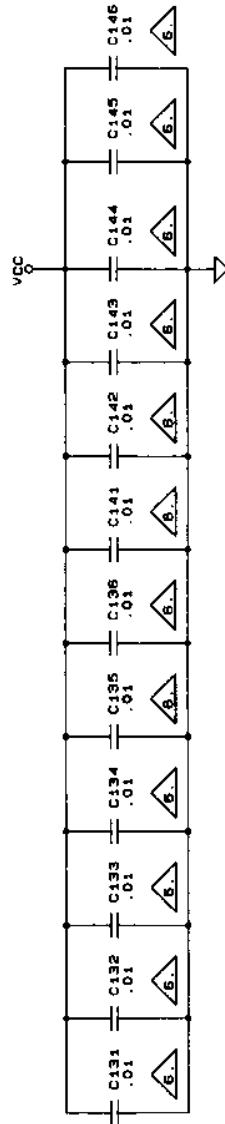
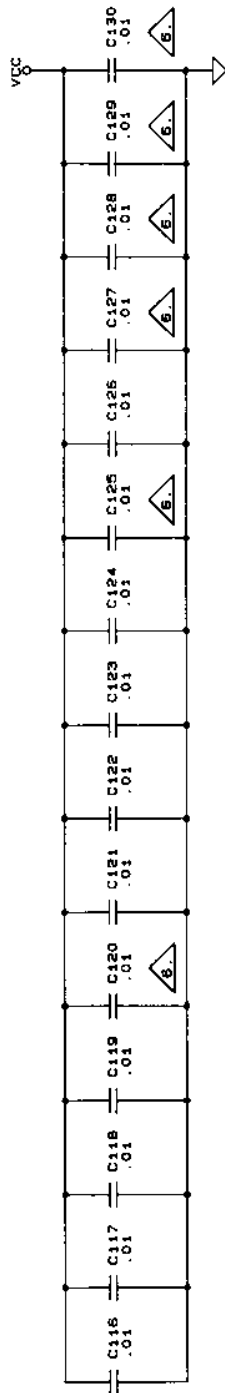
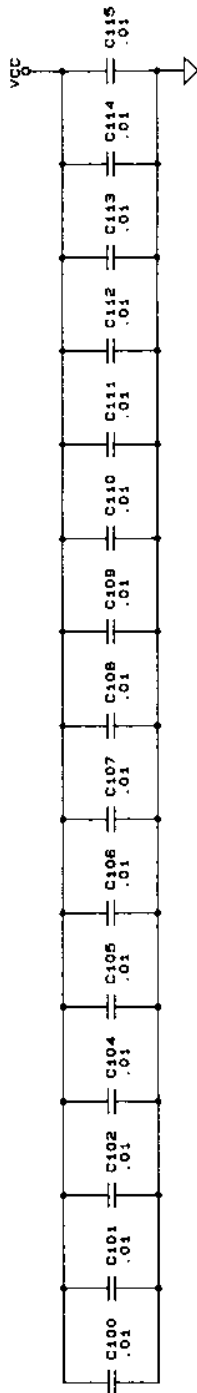


SIZE	CAGE CODE	DOCUMENT NO.	REV
<b>B</b>	<b>21793</b>	435089	A
SCALE		SHEET 15	OF 17

RELAY VOLTAGE SELECTOR



SIZE	CAGE CODE	DOCUMENT NO.	REV
B	21793	435089	A
SCALE		SHEET 16	OF 17



SIZE	CAGE CODE	DOCUMENT NO.	REV
<b>B</b>	<b>21793</b>	435089	A
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## Chapter 5

# PARTS LIST

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407355-001 - 1260-93A, 93 OHM MUX 8 1X4

REF DESIG	RACAL INST P/N	DESCRIPTION	FSC	MANUFACTURER'S P/N
{1}1	405089-001	PCB ASSY, 1260-93A	21793	405089-001
{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.	05972	1272
{14}1	921059	LABEL, CAUTION, STATIC	21793	921059
{22}1	921309	LABEL, VXI SWITCH ID	21793	921309
{24}1	407352-001	SHIPPING KIT, 1260-93A	21793	407352-00

407355-002 - 1260-93B, OHM MUX 16 1X4

REF DESIG	RACAL INST P/N	DESCRIPTION	FSC	MANUFACTURER'S P/N
{1}1	405089-002	PCB ASSY, 1260-93B	21793	405089-002
{3}2	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.	05972	1272
{14}1	921059	LABEL, CAUTION, STATIC	21793	921059
{22}1	921309	LABEL, VXI SWITCH ID	21793	921309
{24}1	407352-002	SHIPPING KIT, 1260-93B	21793	407352-002

407352-001 - SHIPPING KIT, 1260-93A

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	602220-020	CONNECTOR, COAXIAL, PLUG, 20 POSITION	09922	MSD20PM-118
{7}3	615013	SCREW, PPF, 2-56 X .188	-	-
{9}1	980673-026	MANUAL, 1260-93	21793	980673-026

407352-002 - SHIPPING KIT, 1260-93B

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}4	602220-020	CONNECTOR, COAXIAL, PLUG, 20 POSITION	09922	MSD20PM-118
{7}3	615013	SCREW, PPF, 2-56 X .188	-	-
{9}1	980673-026	MANUAL, 1260-93	21793	980673-026



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405089-001 - PCB ASSY, 1260-93A

REF DESIG	RACAL INST P/N	DESCRIPTION	FSC	MANUFACTURER'S P/N
IC1	110126	CAP, TANTA, 6.8UF, 35V, 20 PERCENT	105397	T355F685M035A5
IC2	110126	CAP, TANTA, 6.8UF, 35V, 20 PERCENT	105397	T355F685M035A5
IC3	110126	CAP, TANTA, 6.8UF, 35V, 20 PERCENT	105397	T355F685M035A5
IC4	110126	CAP, TANTA, 6.8UF, 35V, 20 PERCENT	105397	T355F685M035A5
IC100-C102	R-21-1801	CAP, CHIP, 10 NF	195275	VJ1206Y103MF
IC103	110165	CAP, TANTA, .15 MF, 35V, 10PCT	105397	T355A154K035A5
IC104-C119	R-21-1801	CAP, CHIP, 10 NF	195275	VJ1206Y103MF
IC121-C124	R-21-1801	CAP, CHIP, 10 NF	195275	VJ1206Y103MF
IC126	R-21-1801	CAP, CHIP, 10 NF	195275	VJ1206Y103MF
IC147-C151	R-21-1801	CAP, CHIP, 10 NF	195275	VJ1206Y103MF
IC153	R-21-1801	CAP, CHIP, 10 NF	195275	VJ1206Y103MF
IC154	R-21-1801	CAP, CHIP, 10 NF	195275	VJ1206Y103MF
IC162-C166	R-21-1801	CAP, CHIP, 10 NF	195275	VJ1206Y103MF
IC170	R-21-1801	CAP, CHIP, 10 NF	195275	VJ1206Y103MF
IC171	R-21-1801	CAP, CHIP, 10 NF	195275	VJ1206Y103MF
IJ3	1601925	CONNECTOR, PCB, RECEPT, 3 ROW, 96P	152072	1618008
IJ4	1601925	CONNECTOR, PCB, RECEPT, 3 ROW, 96P	152072	1618008
IJ200	1602221-020	CONNECTOR, COAXIAL, RECEPT, 20 POSITION, 3 ROW	109922	1MSD20RM-58
IJ201	1602221-020	CONNECTOR, COAXIAL, RECEPT, 20 POSITION, 3 ROW	109922	1MSD20RM-58
IK1-K5	1310234	RELAY, 50 OHM COAX, 1 FORM A, 12V	171707	19402-12-03
IK6	1310208	RELAY, 2 FORM C	161529	1TQ2E-12V
IK7-K11	1310234	RELAY, 50 OHM COAX, 1 FORM A, 12V	171707	19402-12-03
IK12	1310208	RELAY, 2 FORM C	161529	1TQ2E-12V
IK13-K17	1310234	RELAY, 50 OHM COAX, 1 FORM A, 12V	171707	19402-12-03
IK18	1310208	RELAY, 2 FORM C	161529	1TQ2E-12V
IK19-K23	1310234	RELAY, 50 OHM COAX, 1 FORM A, 12V	171707	19402-12-03
IK24	1310208	RELAY, 2 FORM C	161529	1TQ2E-12V
IK25-K29	1310234	RELAY, 50 OHM COAX, 1 FORM A, 12V	171707	19402-12-03
IK30	1310208	RELAY, 2 FORM C	161529	1TQ2E-12V
IK31-K35	1310234	RELAY, 50 OHM COAX, 1 FORM A, 12V	171707	19402-12-03
IK37-K41	1310234	RELAY, 50 OHM COAX, 1 FORM A, 12V	171707	19402-12-03
IK42	1310208	RELAY, 2 FORM C	161529	1TQ2E-12V
IK43-K47	1310234	RELAY, 50 OHM COAX, 1 FORM A, 12V	171707	19402-12-03
IK48	1310208	RELAY, 2 FORM C	161529	1TQ2E-12V
IK96	1310234	RELAY, 50 OHM COAX, 1 FORM A, 12V	171707	19402-12-03
IL1	1100164	CAP, FEED-THRU, 800PF, 50V	100779	1842448-2
IL2	1310193	CHOKE, SHIELDED, 5UH	191637	1IH-5-5-10
IL3	1310193	CHOKE, SHIELDED, 5UH	191637	1IH-5-5-10
IL4	1100164	CAP, FEED-THRU, 800PF, 50V	100779	1842448-2
IL5	1600245	JUMPER, INSULATED	152210	1L-2007-1
IP1	1601675-001	CONNECTOR, EUROCARD, 96 PIN MOD.	121793	1601675-001
IP2	1601675-001	CONNECTOR, EUROCARD, 96 PIN MOD.	121793	1601675-001
ISW1-SW3	1601969	SWITCH, DIP 6 POS, LOW PROFILE	165832	1K406S
ITP1	1601197	POST, TEST, .025 SQ	100779	16-87022-6
ITP2	1601197	POST, TEST, .025 SQ	100779	16-87022-6
IU1	1231131	IC, DIGITAL, SHIFT REGISTER	118324	1PC74HCT164D
IU2	1231130	IC, DIGITAL, FLIP FLOP	118324	1PC74HC273
IU3	1231098	IC, SOIC TRANSISTOR	156289	1ULN-2803LW
IU4	1231120	IC, 8-BIT, PARALLEL/SERIAL OUT S.R.	118324	174HCT166D
IU5	1231131	IC, DIGITAL, SHIFT REGISTER	118324	1PC74HCT164D
IU6	1231130	IC, DIGITAL, FLIP FLOP	118324	1PC74HC273
IU7	1231098	IC, SOIC TRANSISTOR	156289	1ULN-2803LW
IU8	1231120	IC, 8-BIT, PARALLEL/SERIAL OUT S.R.	118324	174HCT166D
IU9	1231131	IC, DIGITAL, SHIFT REGISTER	118324	1PC74HCT164D
IU10	1231130	IC, DIGITAL, FLIP FLOP	118324	1PC74HC273
IU11	1231098	IC, SOIC TRANSISTOR	156289	1ULN-2803LW
IU12	1231120	IC, 8-BIT, PARALLEL/SERIAL OUT S.R.	118324	174HCT166D
IU13	1231131	IC, DIGITAL, SHIFT REGISTER	118324	1PC74HCT164D
IU14	1231130	IC, DIGITAL, FLIP FLOP	118324	1PC74HC273

405089-001 - PCB ASSY, 1260-93A

REF DESIG	RACAL INST P/N	DESCRIPTION	FSC	MANUFACTURER'S P/N
U15	1231098	IC, SOIC TRANSISTOR	156289	U1LN-2803LW
U16	1231120	IC, 8-BIT, PARALLEL/SERIAL OUT S.R.	118324	174HCT166D
U17	1231131	IC, DIGITAL, SHIFT REGISTER	118324	1PC74HCT164D
U18	1231130	IC, DIGITAL, FLIP FLOP	118324	1PC74HC273
U19	1231098	IC, SOIC TRANSISTOR	156289	U1LN-2803LW
U20	1231120	IC, 8-BIT, PARALLEL/SERIAL OUT S.R.	118324	174HCT166D
U21	1231131	IC, DIGITAL, SHIFT REGISTER	118324	1PC74HCT164D
U22	1231130	IC, DIGITAL, FLIP FLOP	118324	1PC74HC273
U23	1231098	IC, SOIC TRANSISTOR	156289	U1LN-2803LW
U24	1231120	IC, 8-BIT, PARALLEL/SERIAL OUT S.R.	118324	174HCT166D
U53	1231153	IC, PROGRAMMED PLA	121793	1231153
U54	1231094	IC, DEMUX DECODER	118324	1N74LS138D
U55	1231094	IC, DEMUX DECODER	118324	1N74LS138D
U56	1231135	IC, DIGITAL, 4-BIT COMPARATOR	118324	1PC74HCT85D
U57	1231093	IC, QUAD COMPARATOR	104713	1LM339D
U60	1231120	IC, 8-BIT, PARALLEL/SERIAL OUT S.R.	118324	174HCT166D
U61	1231131	IC, DIGITAL, SHIFT REGISTER	118324	1PC74HCT164D
U62	1231131	IC, DIGITAL, SHIFT REGISTER	118324	1PC74HCT164D
U70	1231152-001	IC, DIGITAL 16L8, PAL	121793	1231152-001
U71	1231147	IC, MULTIPLEXER	104713	174HC253D
U72	1231147	IC, MULTIPLEXER	104713	174HC253D
U73	1231096	IC, QUAD DIFF RECEIVER	101295	1AM26LS32ACD
U74	1231096	IC, QUAD DIFF RECEIVER	101295	1AM26LS32ACD
U75	1231125	IC, DIGITAL, LINE DRIVER	127014	1DS26LS31MN
U76	1231154	IC, PROGRAMMED PLA	121793	1231154
U77	1231147	IC, 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
Z6	1080117	RES NETWORK, 16P8R, 47K	173138	1628-AL-473J
Z7	1080119	RES NETWORK, 220K	191637	1SOMC-1603-224K
Z8	1080117	RES NETWORK, 16P8R, 47K	173138	1628-AL-473J
Z9	1080119	RES NETWORK, 220K	191637	1SOMC-1603-224K
Z10	1080117	RES NETWORK, 16P8R, 47K	173138	1628-AL-473J
Z11	1080119	RES NETWORK, 220K	191637	1SOMC-1603-224K
Z12	1080117	RES NETWORK, 16P8R, 47K	173138	1628-AL-473J
Z27	1080114	RES NETWORK, 16P8R, 15K	173138	1628-AL-153J
Z28	1080120	RES NETWORK, 10K	111236	1767-161R10K
{47}1	1401951	PCB ASSY., LBUS JUMPER	121793	1401951
{48}1	1401951-003	PCB ASSY., P3 JUMPER	121793	1401951-003
{49}1	1415089	PCB, 1260-93A,B (UNLOADED)	121793	1415089
{52}A/R	1500022	WIRE, BARE COPPER/TIN, 22 GA	121793	1500022
{53}A/R	1500009	TUBING, SHRINK, .12 ID, BLK	129005	1RNF-100-1-1/8
{60}40	1455520	COAX TERMINAL, PCB MOUNT	121793	1455520
{61}A/R	1CXN-1939	CABLE, MINI COAX, 93 OHM	117217	1CXN-1939
{62}A/R	1610777	CABLE TIE	116956	108-432
{74}4	1611258-001	STANDOFF, SWAGE 4-40 X .170	106540	18091-11B-B-440-28
{81}1	1456319-001	PANEL, FRONT, 1260-93A	121793	1456319-001
{82}1	1456124	BRACKET, CONNECTOR MOUNTING	121793	1456124
{85}40	1602221-901	CONNECTOR, SUBMIN COAX, RECEPT 1 COND.	109922	1RCDX60-16D28
{87}1	1611264	HANDLE, EXTRACTOR, BOTTOM	162559	120817-327
{88}1	1611265	HANDLE, EXTRACTOR, TOP	162559	120817-328
{89}.5	1611266	MOUNTING HARDWARE, HANDLE	162559	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.	105972	1272
{96}1	1921148-001	LABEL SET VXI	121793	1921148-001
{97}A/R	1921279	LOCQUIC, PRIMER	105972	174756
{98}A/R	1921280	LOCTITE, HIGH STRENGTH	105972	127121

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405089-002 - PCB ASSY, 1260-93B

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	110165	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	602221-020	CONNECTOR, COAXIAL, RECEPT, 20 POSITION, 3 ROW	109922	MSD20RM-58
K1-K5	1310234	RELAY, 50 OHM COAX, 1 FORM A, 12V	171707	19402-12-03
K6	1310208	RELAY, 2 FORM C	161529	TQ2E-12V
K7-K11	1310234	RELAY, 50 OHM COAX, 1 FORM A, 12V	171707	19402-12-03
K12	1310208	RELAY, 2 FORM C	161529	TQ2E-12V
K13-K17	1310234	RELAY, 50 OHM COAX, 1 FORM A, 12V	171707	19402-12-03
K18	1310208	RELAY, 2 FORM C	161529	TQ2E-12V
K19-K23	1310234	RELAY, 50 OHM COAX, 1 FORM A, 12V	171707	19402-12-03
K24	1310208	RELAY, 2 FORM C	161529	TQ2E-12V
K25-K29	1310234	RELAY, 50 OHM COAX, 1 FORM A, 12V	171707	19402-12-03
K30	1310208	RELAY, 2 FORM C	161529	TQ2E-12V
K31-K35	1310234	RELAY, 50 OHM COAX, 1 FORM A, 12V	171707	19402-12-03
K36	1310208	RELAY, 2 FORM C	161529	TQ2E-12V
K37-K41	1310234	RELAY, 50 OHM COAX, 1 FORM A, 12V	171707	19402-12-03
K42	1310208	RELAY, 2 FORM C	161529	TQ2E-12V
K43-K47	1310234	RELAY, 50 OHM COAX, 1 FORM A, 12V	171707	19402-12-03
K48	1310208	RELAY, 2 FORM C	161529	TQ2E-12V
K49-K53	1310234	RELAY, 50 OHM COAX, 1 FORM A, 12V	171707	19402-12-03
K54	1310208	RELAY, 2 FORM C	161529	TQ2E-12V
K55-K59	1310234	RELAY, 50 OHM COAX, 1 FORM A, 12V	171707	19402-12-03
K60	1310208	RELAY, 2 FORM C	161529	TQ2E-12V
K61-K65	1310234	RELAY, 50 OHM COAX, 1 FORM A, 12V	171707	19402-12-03
K66	1310208	RELAY, 2 FORM C	161529	TQ2E-12V
K67-K71	1310234	RELAY, 50 OHM COAX, 1 FORM A, 12V	171707	19402-12-03
K72	1310208	RELAY, 2 FORM C	161529	TQ2E-12V
K73-K77	1310234	RELAY, 50 OHM COAX, 1 FORM A, 12V	171707	19402-12-03
K78	1310208	RELAY, 2 FORM C	161529	TQ2E-12V
K79-K83	1310234	RELAY, 50 OHM COAX, 1 FORM A, 12V	171707	19402-12-03
K84	1310208	RELAY, 2 FORM C	161529	TQ2E-12V
K85-K89	1310234	RELAY, 50 OHM COAX, 1 FORM A, 12V	171707	19402-12-03
K90	1310208	RELAY, 2 FORM C	161529	TQ2E-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	CHOKER, SHIELDED, 5UH	191637	IH-5-5-10
L3	1310193	CHOKER, SHIELDED, 5UH	191637	IH-5-5-10
L4	1100164	CAP, FEED-THRU, 800PF, 50V	100779	1842448-2
L5	1600245	JUMPER, INSULATED	152210	L-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

405089-002 - PCB ASSY, 1260-93B

REF DESIG	RACAL INST P/N	DESCRIPTION	FSC	MANUFACTURER'S P/N
U11	231098	IC, SOIC TRANSISTOR	56289	ULN-2803LW
U12	231120	IC, 8-BIT, PARALLEL/SERIAL OUT S.R.	18324	74HCT166D
U13	231131	IC, DIGITAL, SHIFT REGISTER	18324	PC74HCT164D
U14	231130	IC, DIGITAL, FLIP FLOP	18324	PC74HC273
U15	231098	IC, SOIC TRANSISTOR	56289	ULN-2803LW
U16	231120	IC, 8-BIT, PARALLEL/SERIAL OUT S.R.	18324	74HCT166D
U17	231131	IC, DIGITAL, SHIFT REGISTER	18324	PC74HCT164D
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
U25	231131	IC, DIGITAL, SHIFT REGISTER	18324	PC74HCT164D
U26	231130	IC, DIGITAL, FLIP FLOP	18324	PC74HC273
U27	231098	IC, SOIC TRANSISTOR	56289	ULN-2803LW
U28	231120	IC, 8-BIT, PARALLEL/SERIAL OUT S.R.	18324	74HCT166D
U29	231131	IC, DIGITAL, SHIFT REGISTER	18324	PC74HCT164D
U30	231130	IC, DIGITAL, FLIP FLOP	18324	PC74HC273
U31	231098	IC, SOIC TRANSISTOR	56289	ULN-2803LW
U32	231120	IC, 8-BIT, PARALLEL/SERIAL OUT S.R.	18324	74HCT166D
U33	231131	IC, DIGITAL, SHIFT REGISTER	18324	PC74HCT164D
U34	231130	IC, DIGITAL, FLIP FLOP	18324	PC74HC273
U35	231098	IC, SOIC TRANSISTOR	56289	ULN-2803LW
U36	231120	IC, 8-BIT, PARALLEL/SERIAL OUT S.R.	18324	74HCT166D
U37	231131	IC, DIGITAL, SHIFT REGISTER	18324	PC74HCT164D
U38	231130	IC, DIGITAL, FLIP FLOP	18324	PC74HC273
U39	231098	IC, SOIC TRANSISTOR	56289	ULN-2803LW
U40	231120	IC, 8-BIT, PARALLEL/SERIAL OUT S.R.	18324	74HCT166D
U41	231131	IC, DIGITAL, SHIFT REGISTER	18324	PC74HCT164D
U42	231130	IC, DIGITAL, FLIP FLOP	18324	PC74HC273
U43	231098	IC, SOIC TRANSISTOR	56289	ULN-2803LW
U44	231120	IC, 8-BIT, PARALLEL/SERIAL OUT S.R.	18324	74HCT166D
U45	231131	IC, DIGITAL, SHIFT REGISTER	18324	PC74HCT164D
U46	231130	IC, DIGITAL, FLIP FLOP	18324	PC74HC273
U47	231098	IC, SOIC TRANSISTOR	56289	ULN-2803LW
U48	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	104713	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	104713	74HC253D
U72	231147	IC, MULTIPLEXER	104713	74HC253D
U73	231096	IC, QUAD DIFF RECEIVER	101295	AM26LS32ACD
U74	231096	IC, QUAD DIFF RECEIVER	101295	AM26LS32ACD
U75	231125	IC, DIGITAL, LINE DRIVER	27014	DS26LS31MN
U76	231154	IC, PROGRAMMED PLA	21793	231154
U77	231147	IC, MULTIPLEXER	104713	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

User Manual 1260-93

405089-002 - PCB ASSY, 1260-93B

REF DESIG	RACAL INST P/N	DESCRIPTION	FSC	MANUFACTURER'S P/N
{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	1767-161R10K
{47}1	401951	PCB ASSY., LBUS JUMPER	21793	401951
{48}1	401951-003	PCB ASSY., P3 JUMPER	21793	401951-003
{49}1	415089	PCB, 1260-93A,B (UNLOADED)	21793	415089
{52}A/R	500022	WIRE, BARE COPPER/TIN, 22 GA	21793	500022
{53}A/R	500009	TUBING, SHRINK, . 12 ID, BLK	29005	RNF-100-1-1/8
{60}80	455520	COAX TERMINAL, PCB MOUNT	21793	455520
{62}A/R	610777	CABLE TIE	16956	108-432
{74}4	611258-001	STANDOFF, SWAGE 4-40 X .170	06540	8091-11B-B-440-28
{81}1	456319-002	PANEL, FRONT, 1260-93B	21793	4566319-002
{82}1	456124	BRACKET, CONNECTOR MOUNTING	21793	456124
{85}80	602221-901	CONNECTOR, SUBMIN COAX, RECEPT 1 COND.	09922	RCDX60-16D28
{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 VXI	21793	921148-001
{97}A/R	921279	LOCQUIC, PRIMER	05972	174756
{98}A/R	921280	LOCTITE, HIGH STRENGTH	05972	127121

List of Suppliers

FSC	SUPPLIER	FSC	SUPPLIER
00779	AMP, INC. HARRISBURG, PA	65832	AMERICAN RESEARCH & ENGINEERING ELGIN, IL
01295	TEXAS INSTRUMENTS, INC. DALLAS, TX	71707	COTO-COIL CO., INC. PROVIDENCE, RI
04713	MOTOROLA, INC. (SEMICONDUCTOR PRODUCTS DIV.) PHOENIX, AZ	73138	BECKMAN INSTRUMENTS FULLERTON, CA
05397	UNION CARBIDE CORP. (MATERIALS SYSTEMS DIV.) CLEVELAND, OH	91637	DALE ELECTRONICS, INC. COLUMBUS, NE
05972	LOCTITE CORP. HARTFORD, CT	95275	VITRAMON, INC. BRIDGEPORT, CT
06540	AMATOM ELECTRONIC HARDWARE NEW ROCHELLE, NY		
09922	BURNDY CORPORATION NORWALK, CT		
11236	CTS OF BERNE, INC. BERNE, IN		
16956	DENNISON MFG. CO. FRAMINGTON, MA		
17217	W.L. GORE & ASSOCIATES NEWARK, DE		
18324	SIGNETICS, INC. SUNNYVALE, CA		
21793	RACAL INSTRUMENTS INC. 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		

## Chapter 6

# OPTIONAL HARNESS ASSEMBLIES

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The following harness assemblies are used to connect Racal Instruments Model 1260-93A/B to Freedom Series Test Receiver Interfaces.

Each harness documentation consists of an assembly drawing, parts list, system wire list and wire list.

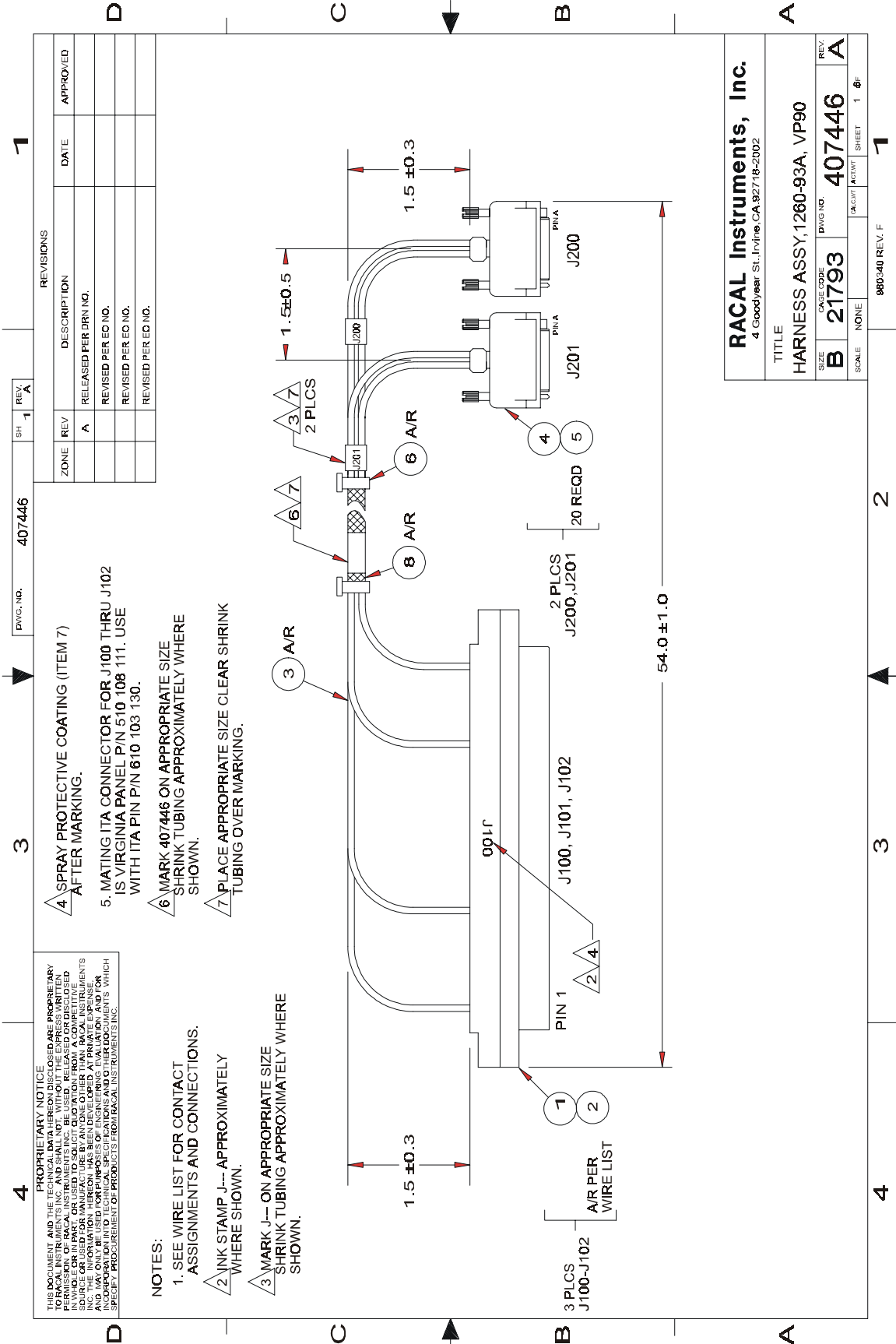
407446	1260-93A Virginia Panel, Inc. Series VP90 Interface Harness
407448	1260-93B Virginia Panel, Inc. Series VP90 Interface Harness
407447	1260-93A TTI Testron, Inc. Interface Harness (TTI Receiver must be above chassis)
407447-002	1260-93B TTI Testron, Inc. Interface Harness (TTI Receiver must be above chassis)

For more information on Racal Instruments complete line of Test Receiver Interface solutions, contact your Sales Representative.

Section updated 6/97

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## ENGINEERING WIRE LIST

WIRE	FROM	TO	TYPE	PART #	WIRE LEN	REFERENCE
1	J100-1 602201-907	J200-A 602220-901	COAX	CXN-1939	54"	CHANNEL 00
2	J100-2 602201-907	J200-B 602220-901	COAX	CXN-1939	54"	CHANNEL 01
3	J100-3 602201-907	J200-C 602220-901	COAX	CXN-1939	54"	CHANNEL 02
4	J100-4 602201-907	J200-D 602220-901	COAX	CXN-1939	54"	CHANNEL 03
5	J100-5 602201-907	J200-E 602220-901	COAX	CXN-1939	54"	CHANNEL 04
6	J100-6 602201-907	J200-F 602220-901	COAX	CXN-1939	54"	CHANNEL 10
7	J100-7 602201-907	J200-H 602220-901	COAX	CXN-1939	54"	CHANNEL 11
8	J100-8 602201-907	J200-J 602220-901	COAX	CXN-1939	54"	CHANNEL 12
9	J100-9 602201-907	J200-K 602220-901	COAX	CXN-1939	54"	CHANNEL 13
10	J100-10 602201-907	J200-L 602220-901	COAX	CXN-1939	54"	CHANNEL 14
11	J100-11 602201-907	J200-M 602220-901	COAX	CXN-1939	54"	CHANNEL 20
12	J100-12 602201-907	J200-N 602220-901	COAX	CXN-1939	54"	CHANNEL 21
13	J100-13 602201-907	J200-P 602220-901	COAX	CXN-1939	54"	CHANNEL 22
14	J100-14 602201-907	J200-R 602220-901	COAX	CXN-1939	54"	CHANNEL 23
15	J100-15 602201-907	J200-S 602220-901	COAX	CXN-1939	54"	CHANNEL 24
16	J100-16 NO CONNECT					
17	J100-17 NO CONNECT					
18	J100-18 NO CONNECT					
19	J100-19 NO CONNECT					
20	J101-1 602201-907	J200-T 602220-901	COAX	CXN-1939	54"	CHANNEL 30
21	J101-2 602201-907	J200-U 602220-901	COAX	CXN-1939	54"	CHANNEL 31
22	J101-3 602201-907	J200-V 602220-901	COAX	CXN-1939	54"	CHANNEL 32
23	J101-4 602201-907	J200-W 602220-901	COAX	CXN-1939	54"	CHANNEL 33
24	J101-5 602201-907	J200-X 602220-901	COAX	CXN-1939	54"	CHANNEL 34
25	J101-6 602201-907	J201-A 602220-901	COAX	CXN-1939	54"	CHANNEL 40
<b>RACAL Instruments, Inc., 4 Goodyear St., Irvine, CA 92718</b>						
DOCUMENT TITLE			SIZE	CODE NO.	DOCUMENT NO.	REV
HARNESS ASSEMBLY, 1260-93A, VP90			A	21793	407446	A
			DRN		SHEET 4 of 6	

DOC. NO. 407446

## ENGINEERING WIRE LIST

WIRE	FROM	TO	TYPE	PART #	WIRE LEN	REFERENCE
26	J101-7 602201-907	J201-B 602220-901	COAX	CXN-1939	54"	CHANNEL 41
27	J101-8 602201-907	J201-C 602220-901	COAX	CXN-1939	54"	CHANNEL 42
28	J101-9 602201-907	J201-D 602220-901	COAX	CXN-1939	54"	CHANNEL 43
29	J101-10 602201-907	J201-E 602220-901	COAX	CXN-1939	54"	CHANNEL 44
30	J101-11 602201-907	J201-F 602220-901	COAX	CXN-1939	54"	CHANNEL 50
31	J101-12 602201-907	J201-H 602220-901	COAX	CXN-1939	54"	CHANNEL 51
32	J101-13 602201-907	J201-J 602220-901	COAX	CXN-1939	54"	CHANNEL 52
33	J101-14 602201-907	J201-K 602220-901	COAX	CXN-1939	54"	CHANNEL 53
34	J101-15 602201-907	J201-L 602220-901	COAX	CXN-1939	54"	CHANNEL 54
35	J101-16 NO CONNECT					
36	J101-17 NO CONNECT					
37	J101-18 NO CONNECT					
38	J101-19 NO CONNECT					
39	J102-1 602201-907	J201-M 602220-901	COAX	CXN-1939	54"	CHANNEL 60
40	J102-2 602201-907	J201-N 602220-901	COAX	CXN-1939	54"	CHANNEL 61
41	J102-3 602201-907	J201-P 602220-901	COAX	CXN-1939	54"	CHANNEL 62
42	J102-4 602201-907	J201-R 602220-901	COAX	CXN-1939	54"	CHANNEL 63
43	J102-5 602201-907	J201-S 602220-901	COAX	CXN-1939	54"	CHANNEL 64
44	J102-6 602201-907	J201-T 602220-901	COAX	CXN-1939	54"	CHANNEL 70
45	J102-7 602201-907	J201-U 602220-901	COAX	CXN-1939	54"	CHANNEL 71
46	J102-8 602201-907	J201-V 602220-901	COAX	CXN-1939	54"	CHANNEL 72
47	J102-9 602201-907	J201-W 602220-901	COAX	CXN-1939	54"	CHANNEL 73
48	J102-10 602201-907	J201-X 602220-901	COAX	CXN-1939	54"	CHANNEL 74
49	J102-11 NO CONNECT					
50	J102-12 NO CONNECT					
<b>RACAL Instruments, Inc., 4 Goodyear St., Irvine, CA 92718</b>						
DOCUMENT TITLE			SIZE	CODE NO.	DOCUMENT NO.	REV
HARNESS ASSEMBLY, 1260-93A, VP90			A	21793	407446	A
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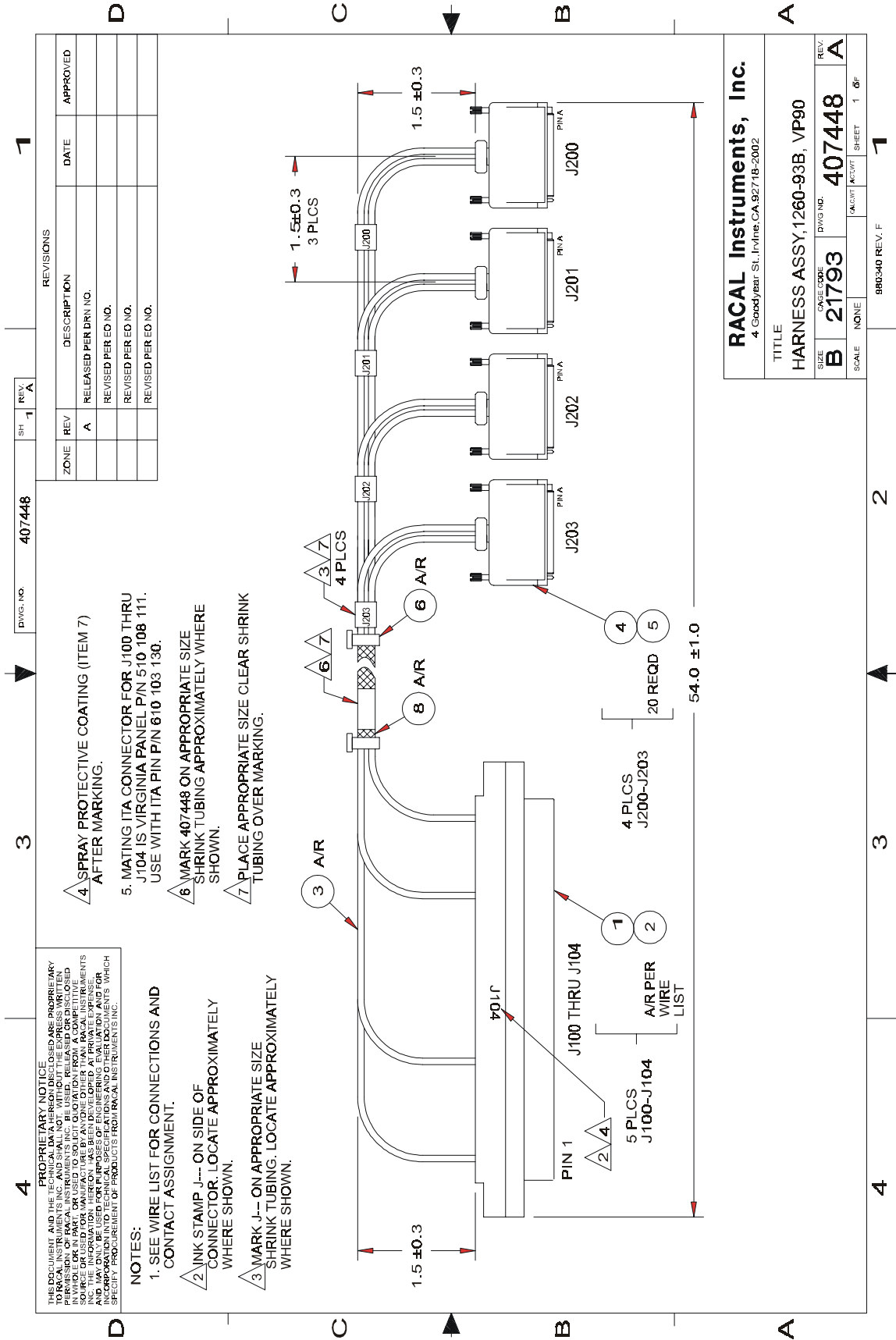
DOC. NO. 407446

## ENGINEERING WIRE LIST

WIRE	FROM	TO	TYPE	PART #	WIRE LEN	REFERENCE
51	J102-13 NO CONNECT					
52	J102-14 NO CONNECT					
53	J102-15 NO CONNECT					
54	J102-16 NO CONNECT					
55	J102-17 NO CONNECT					
56	J102-18 NO CONNECT					
57	J102-19 NO CONNECT					

DOC. NO. 407446

<b>RACAL Instruments, Inc., 4 Goodyear St., Irvine, CA 92718</b>			
DOCUMENT TITLE	SIZE	CODE NO.	DOCUMENT NO.
HARNESS ASSEMBLY, 1260-93A, VP90	A	21793	407446
	DRN		SHEET 6 of 6
			REV A







## ENGINEERING WIRE LIST

WIRE	FROM	TO	TYPE	PART #	WIRE LEN	REFERENCE
	BLK AA (J100)	Uxx-SLOT yy (J200)	CABLE	407448		SYSTEM WIRE LIST
	BLK AA (J101)	Uxx-SLOT yy (J200,J201)	CABLE	407448		
	BLK AA (J102)	Uxx-SLOT yy (J201,J202)	CABLE	407448		
	BLK AA (J103)	Yxx-SLOT yy (J202,J203)	CABLE	407448		
	BLK AA (J104)	Uxx-SLOT yy (J203)	CABLE	407448		
<p>This system wirelist serves as a template for incorporating this harness assembly into the overall system wirelist. It does not in any way affect the fabrication of this harness assembly.</p>						
<p>RACAL Instruments, Inc., 4 Goodyear St., Irvine, CA 92718</p>						
DOCUMENT TITLE			SIZE	CODE NO.	DOCUMENT NO.	REV
HARNESS ASSEMBLY, 1260-93B, VP90			A	21793	407448	A
			DRN			SHEET 3 of 7

DOC. NO. 407448

## ENGINEERING WIRE LIST

WIRE	FROM	TO	TYPE	PART #	WIRE LEN	REFERENCE
1	J100-1 602201-907	J200-A 602220-901	COAX	CXN-1939	54"	CHANNEL 00
2	J100-2 602201-907	J200-B 602220-901	COAX	CXN-1939	54"	CHANNEL 01
3	J100-3 602201-907	J200-C 602220-901	COAX	CXN-1939	54"	CHANNEL 02
4	J100-4 602201-907	J200-D 602220-901	COAX	CXN-1939	54"	CHANNEL 03
5	J100-5 602201-907	J200-E 602220-901	COAX	CXN-1939	54"	CHANNEL 04
6	J100-6 602201-907	J200-F 602220-901	COAX	CXN-1939	54"	CHANNEL 10
7	J100-7 602201-907	J200-H 602220-901	COAX	CXN-1939	54"	CHANNEL 11
8	J100-8 602201-907	J200-J 602220-901	COAX	CXN-1939	54"	CHANNEL 12
9	J100-9 602201-907	J200-K 602220-901	COAX	CXN-1939	54"	CHANNEL 13
10	J100-10 602201-907	J200-L 602220-901	COAX	CXN-1939	54"	CHANNEL 14
11	J100-11 602201-907	J200-M 602220-901	COAX	CXN-1939	54"	CHANNEL 20
12	J100-12 602201-907	J200-N 602220-901	COAX	CXN-1939	54"	CHANNEL 21
13	J100-13 602201-907	J200-P 602220-901	COAX	CXN-1939	54"	CHANNEL 22
14	J100-14 602201-907	J200-R 602220-901	COAX	CXN-1939	54"	CHANNEL 23
15	J100-15 602201-907	J200-S 602220-901	COAX	CXN-1939	54"	CHANNEL 24
16	J100-16 NO CONNECT					
17	J100-17 NO CONNECT					
18	J100-18 NO CONNECT					
19	J100-19 NO CONNECT					
20	J101-1 602201-907	J200-T 602220-901	COAX	CXN-1939	54"	CHANNEL 30
21	J101-2 602201-907	J200-U 602220-901	COAX	CXN-1939	54"	CHANNEL 31
22	J101-3 602201-907	J200-V 602220-901	COAX	CXN-1939	54"	CHANNEL 32
23	J101-4 602201-907	J200-W 602220-901	COAX	CXN-1939	54"	CHANNEL 33
24	J101-5 602201-907	J200-X 602220-901	COAX	CXN-1939	54"	CHANNEL 34
<b>RACAL Instruments, Inc., 4 Goodyear St., Irvine, CA 92718</b>						
DOCUMENT TITLE			SIZE	CODE NO.	DOCUMENT NO.	REV
HARNESS ASSEMBLY, 1260-93B, VP90			A	21793	407448	A
			DRN		SHEET 4 of 7	

DOC. NO. 407448

## ENGINEERING WIRE LIST

WIRE	FROM	TO	TYPE	PART #	WIRE LEN	REFERENCE
25	J101-6 602201-907	J201-A 602220-901	COAX	CXN-1939	54"	CHANNEL 40
26	J101-7 602201-907	J201-B 602220-901	COAX	CXN-1939	54"	CHANNEL 41
27	J101-8 602201-907	J201-C 602220-901	COAX	CXN-1939	54"	CHANNEL 42
28	J101-9 602201-907	J201-D 602220-901	COAX	CXN-1939	54"	CHANNEL 43
29	J101-10 602201-907	J201-E 602220-901	COAX	CXN-1939	54"	CHANNEL 44
30	J101-11 602201-907	J201-F 602220-901	COAX	CXN-1939	54"	CHANNEL 50
31	J101-12 602201-907	J201-H 602220-901	COAX	CXN-1939	54"	CHANNEL 51
32	J101-13 602201-907	J201-J 602220-901	COAX	CXN-1939	54"	CHANNEL 52
33	J101-14 602201-907	J201-K 602220-901	COAX	CXN-1939	54"	CHANNEL 53
34	J101-15 602201-907	J201-L 602220-901	COAX	CXN-1939	54"	CHANNEL 54
35	J101-16 NO CONNECT					
36	J101-17 NO CONNECT					
37	J101-18 NO CONNECT					
38	J101-19 NO CONNECT					
39	J102-1 602201-907	J201-M 602220-901	COAX	CXN-1939	54"	CHANNEL 60
40	J102-2 602201-907	J201-N 602220-901	COAX	CXN-1939	54"	CHANNEL 61
41	J102-3 602201-907	J201-P 602220-901	COAX	CXN-1939	54"	CHANNEL 62
42	J102-4 602201-907	J201-R 602220-901	COAX	CXN-1939	54"	CHANNEL 63
43	J102-5 602201-907	J201-S 602220-901	COAX	CXN-1939	54"	CHANNEL 64
44	J102-6 602201-907	J201-T 602220-901	COAX	CXN-1939	54"	CHANNEL 70
45	J102-7 602201-907	J201-U 602220-901	COAX	CXN-1939	54"	CHANNEL 71
46	J102-8 602201-907	J201-V 602220-901	COAX	CXN-1939	54"	CHANNEL 72
47	J102-9 602201-907	J201-W 602220-901	COAX	CXN-1939	54"	CHANNEL 73
48	J102-10 602201-907	J201-X 602220-901	COAX	CXN-1939	54"	CHANNEL 74
<b>RACAL Instruments, Inc., 4 Goodyear St., Irvine, CA 92718</b>						
DOCUMENT TITLE			SIZE	CODE NO.	DOCUMENT NO.	REV
HARNESS ASSEMBLY, 1260-93B, VP90			A	21793	407448	A
			DRN	SHEET 5 of 7		

DOC. NO. 1407448

## ENGINEERING WIRE LIST

WIRE	FROM	TO	TYPE	PART #	WIRE LEN	REFERENCE
49	J102-11 602201-907	J202-A 602220-901	COAX	CXN-1939	54"	CHANNEL 80
50	J102-12 602201-907	J202-B 602220-901	COAX	CXN-1939	54"	CHANNEL 81
51	J102-13 602201-907	J202-C 602220-901	COAX	CXN-1939	54"	CHANNEL 82
52	J102-14 602201-907	J202-D 602220-901	COAX	CXN-1939	54"	CHANNEL 83
53	J102-15 602201-907	J202-E 602220-901	COAX	CXN-1939	54"	CHANNEL 84
54	J102-16 NO CONNECT					
55	J102-17 NO CONNECT					
56	J102-18 NO CONNECT					
57	J102-19 NO CONNECT					
58	J103-1 602201-907	J202-F 602220-901	COAX	CXN-1939	54"	CHANNEL 90
59	J103-2 602201-907	J202-H 602220-901	COAX	CXN-1939	54"	CHANNEL 91
60	J103-3 602201-907	J202-J 602220-901	COAX	CXN-1939	54"	CHANNEL 92
61	J103-4 602201-907	J202-K 602220-901	COAX	CXN-1939	54"	CHANNEL 93
62	J103-5 602201-907	J202-L 602220-901	COAX	CXN-1939	54"	CHANNEL 94
63	J103-6 602201-907	J202-M 602220-901	COAX	CXN-1939	54"	CHANNEL 100
64	J103-7 602201-907	J202-N 602220-901	COAX	CXN-1939	54"	CHANNEL 101
65	J103-8 602201-907	J202-P 602220-901	COAX	CXN-1939	54"	CHANNEL 102
66	J103-9 602201-907	J202-R 602220-901	COAX	CXN-1939	54"	CHANNEL 103
67	J103-10 602201-907	J202-S 602220-901	COAX	CXN-1939	54"	CHANNEL 104
68	J103-11 602201-907	J202-T 602220-901	COAX	CXN-1939	54"	CHANNEL 110
69	J103-12 602201-907	J202-U 602220-901	COAX	CXN-1939	54"	CHANNEL 111
70	J103-13 602201-907	J202-V 602220-901	COAX	CXN-1939	54"	CHANNEL 112
71	J103-14 602201-907	J202-W 602220-901	COAX	CXN-1939	54"	CHANNEL 113
<b>RACAL Instruments, Inc., 4 Goodyear St., Irvine, CA 92718</b>						
DOCUMENT TITLE			SIZE	CODE NO.	DOCUMENT NO.	REV
HARNESS ASSEMBLY, 1260-93B, VP90			A	21793	407448	A
			DRN			SHEET 6 of 7

DOC. NO. 407448

## ENGINEERING WIRE LIST

WIRE	FROM	TO	TYPE	PART #	WIRE LEN	REFERENCE
72	J103-15 602201-907	J202-X 602220-901	COAX	CXN-1939	54"	CHANNEL 114
73	J103-16 NO CONNECT					
74	J103-17 602201-907	J203-T 602220-901	COAX	CXN-1939	54"	CHANNEL 150
75	J103-18 602201-907	J203-U 602220-901	COAX	CXN-1939	54"	CHANNEL 151
76	J103-19 602201-907	J203-V 602220-901	COAX	CXN-1939	54"	CHANNEL 152
77	J104-1 602201-907	J203-A 602220-901	COAX	CXN-1939	54"	CHANNEL 120
78	J104-2 602201-907	J203-B 602220-901	COAX	CXN-1939	54"	CHANNEL 121
79	J104-3 602201-907	J203-C 602220-901	COAX	CXN-1939	54"	CHANNEL 122
80	J104-4 602201-907	J203-D 602220-901	COAX	CXN-1939	54"	CHANNEL 123
81	J104-5 602201-907	J203-E 602220-901	COAX	CXN-1939	54"	CHANNEL 124
82	J104-6 602201-907	J203-F 602220-901	COAX	CXN-1939	54"	CHANNEL 130
83	J104-7 602201-907	J203-H 602220-901	COAX	CXN-1939	54"	CHANNEL 131
84	J104-8 602201-907	J203-J 602220-901	COAX	CXN-1939	54"	CHANNEL 132
85	J104-9 602201-907	J203-K 602220-901	COAX	CXN-1939	54"	CHANNEL 133
86	J104-10 602201-907	J203-L 602220-901	COAX	CXN-1939	54"	CHANNEL 134
87	J104-11 602201-907	J203-M 602220-901	COAX	CXN-1939	54"	CHANNEL 140
88	J104-12 602201-907	J203-N 602220-901	COAX	CXN-1939	54"	CHANNEL 141
89	J104-13 602201-907	J203-P 602220-901	COAX	CXN-1939	54"	CHANNEL 142
90	J104-14 602201-907	J203-R 602220-901	COAX	CXN-1939	54"	CHANNEL 143
91	J104-15 602201-907	J203-S 602220-901	COAX	CXN-1939	54"	CHANNEL 144
92	J104-16 NO CONNECT					
93	J104-17 NO CONNECT					
94	J104-18 602201-907	J203-W 602220-901	COAX	CXN-1939	54"	CHANNEL 153
95	J104-19 602201-907	J203-X 602220-901	COAX	CXN-1939	54"	CHANNEL 154

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**RACAL Instruments, Inc., 4 Goodyear St., Irvine, CA 92718**

DOCUMENT TITLE	SIZE	CODE NO.	DOCUMENT NO.	REV
HARNESS ASSEMBLY, 1260-93B, VP90	A	21793	407448	A
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## ENGINEERING WIRE LIST

WIRE	FROM	TO	TYPE	PART #	WIRE LEN	REFERENCE
	BLK AAx PN 01 (J100)	Uxx-SLOT yy (J200)	CABLE	407447		SYSTEM WIRE LIST
	BLK AAx PN 02 (J101)	Uxx-SLOT yy (J200)	CABLE	407447		
	BLK AAx PN 03 (J102)	Uxx-SLOT yy (J200)	CABLE	407447		
	BLK AAx PN 04 (J103)	Uxx-SLOT yy (J200)	CABLE	407447		
	BLK AAx PN 05 (J104)	Uxx-SLOT yy (J200)	CABLE	407447		
	BLK AAx PN 06 (J105)	Uxx-SLOT yy (J200)	CABLE	407447		
	BLK AAx PN 07 (J106)	Uxx-SLOT yy (J200)	CABLE	407447		
	BLK AAx PN 08 (J107)	Uxx-SLOT yy (J200)	CABLE	407447		
	BLK AAx PN 09 (J108)	Uxx-SLOT yy (J200)	CABLE	407447		
	BLK AAx PN 10 (J109)	Uxx-SLOT yy (J200)	CABLE	407447		
	BLK AAx PN 11 (J100)	Uxx-SLOT yy (J200)	CABLE	407447		
	BLK AAx PN 12 (J111)	Uxx-SLOT yy (J200)	CABLE	407447		
	BLK AAx PN 13 (J112)	Uxx-SLOT yy (J200)	CABLE	407447		
	BLK AAx PN 14 (J113)	Uxx-SLOT yy (J200)	CABLE	407447		
	BLK AAx PN 15 (J114)	Uxx-SLOT yy (J200)	CABLE	407447		
	BLK AAx PN 16 (J115)	Uxx-SLOT yy (J200)	CABLE	407447		
	BLK AAx PN 17 (J116)	Uxx-SLOT yy (J200)	CABLE	407447		
	BLK AAx PN 18 (J117)	Uxx-SLOT yy (J200)	CABLE	407447		
	BLK AAx PN 19 (J118)	Uxx-SLOT yy (J200)	CABLE	407447		
	BLK AAx PN 20 (J119)	Uxx-SLOT yy (J200)	CABLE	407447		
	BLK AAx PN 21 (J120)	Uxx-SLOT yy (J201)	CABLE	407447		
	BLK AAx PN 22 (J121)	Uxx-SLOT yy (J201)	CABLE	407447		
	BLK AAx PN 23 (J122)	Uxx-SLOT yy (J201)	CABLE	407447		
	BLK AAx PN 24 (J123)	Uxx-SLOT yy (J201)	CABLE	407447		
	BLK AAx PN 25 (J124)	Uxx-SLOT yy (J201)	CABLE	407447		

DOC. NO. 407447

**RACAL Instruments, Inc., 4 Goodyear St., Irvine, CA 92718**

DOCUMENT TITLE	SIZE	CODE NO.	DOCUMENT NO.	REV
HARNES ASSEMBLY, 1260-93A, TTI	A	21793	407447	C
	DRN			SHEET 3 of 6



## ENGINEERING WIRE LIST

WIRE	FROM	TO	TYPE	PART #	WIRE LEN	REFERENCE
	BLK AAx PN 26 (J125)	Uxx-SLOT yy (J201)	CABLE	407447		
	BLK AAx PN 27 (J126)	Uxx-SLOT yy (J201)	CABLE	407447		
	BLK AAx PN 28 (J127)	Uxx-SLOT yy (J201)	CABLE	407447		
	BLK AAx PN 29 (J128)	Uxx-SLOT yy (J201)	CABLE	407447		
	BLK AAx PN 30 (J129)	Uxx-SLOT yy (J201)	CABLE	407447		
	BLK AAx PN 31 (J130)	Uxx-SLOT yy (J201)	CABLE	407447		
	BLK AAx PN 32 (J131)	Uxx-SLOT yy (J201)	CABLE	407447		
	BLK AAx PN 33 (J132)	Uxx-SLOT yy (J201)	CABLE	407447		
	BLK AAx PN 34 (J133)	Uxx-SLOT yy (J201)	CABLE	407447		
	BLK AAx PN 35 (J134)	Uxx-SLOT yy (J201)	CABLE	407447		
	BLK AAx PN 36 (J135)	Uxx-SLOT yy (J201)	CABLE	407447		
	BLK AAx PN 37 (J136)	Uxx-SLOT yy (J201)	CABLE	407447		
	BLK AAx PN 38 (J137)	Uxx-SLOT yy (J201)	CABLE	407447		
	BLK AAx PN 39 (J138)	Uxx-SLOT yy (J201)	CABLE	407447		
	BLK AAx PN 40 (J139)	Uxx-SLOT yy (J201)	CABLE	407447		
<p>This system wirelist serves as a template for incorporating this harness assembly into the overall system wirelist. It does not in any way affect the fabrication of this harness assembly.</p>						
<p><b>RACAL Instruments, Inc., 4 Goodyear St., Irvine, CA 92718</b></p>						
DOCUMENT TITLE			SIZE	CODE NO.	DOCUMENT NO.	REV
HARNESS ASSEMBLY, 1260-93A, TTI			A	21793	407447	C
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## ENGINEERING WIRE LIST

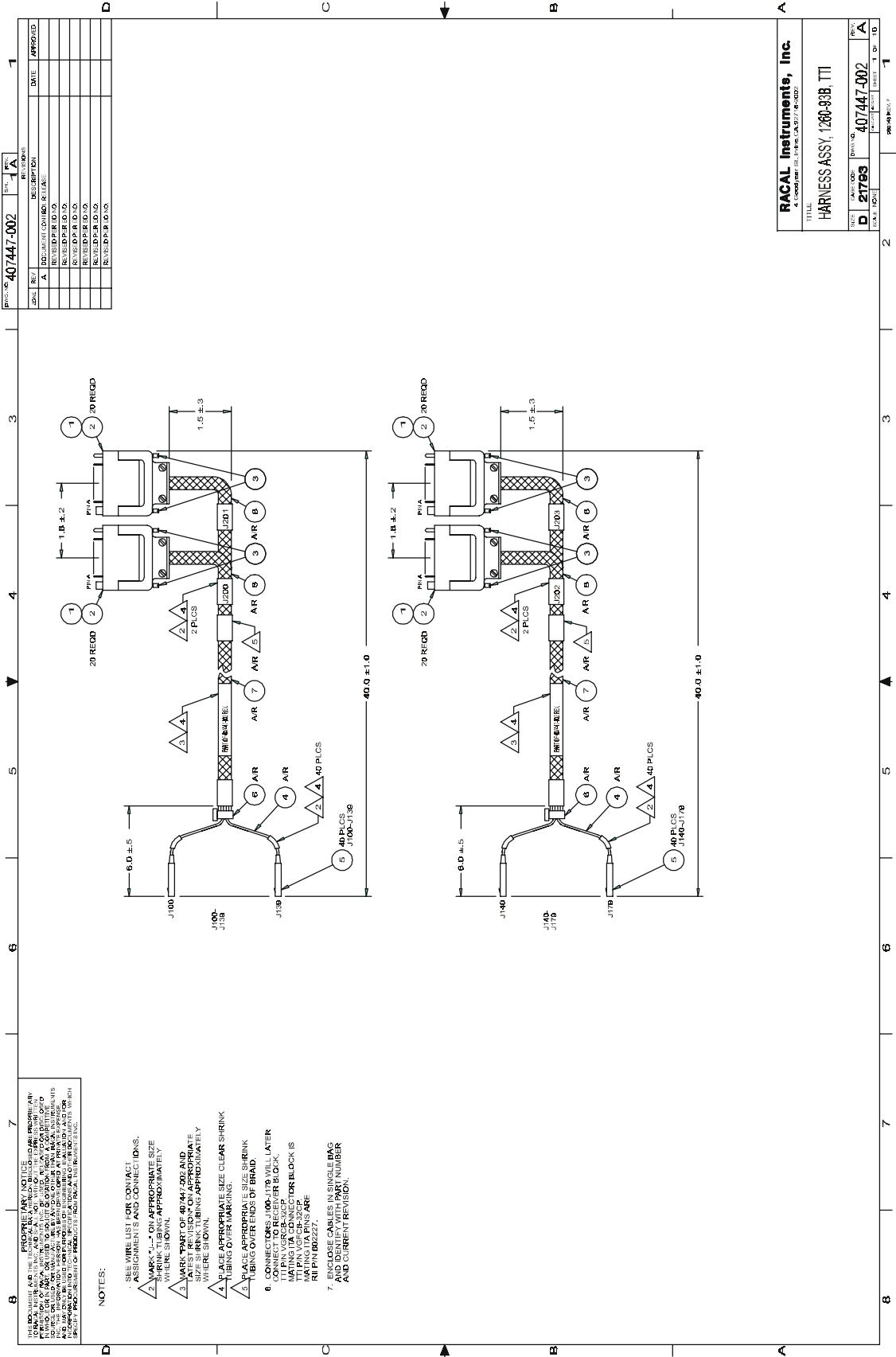
WIRE	FROM	TO	TYPE	PART #	WIRE LEN	REFERENCE
1	J100 602201-907	J200 602220-901	COAX	CXN-1939	40"	CHANNEL 00
2	J101 602201-907	J200-B 602220-901	COAX	CXN-1939	40"	CHANNEL 01
3	J102 602201-907	J200-C 602220-901	COAX	CXN-1939	40"	CHANNEL 02
4	J103 602201-907	J200-D 602220-901	COAX	CXN-1939	40"	CHANNEL 03
5	J104 602201-907	J200-E 602220-901	COAX	CXN-1939	40"	CHANNEL 04
6	J105 602201-907	J200-F 602220-901	COAX	CXN-1939	40"	CHANNEL 10
7	J106 602201-907	J200-H 602220-901	COAX	CXN-1939	40"	CHANNEL 11
8	J107 602201-907	J200-J 602220-901	COAX	CXN-1939	40"	CHANNEL 12
9	J108 602201-907	J200-K 602220-901	COAX	CXN-1939	40"	CHANNEL 13
10	J109 602201-907	J200-L 602220-901	COAX	CXN-1939	40"	CHANNEL 14
11	J110 602201-907	J200-M 602220-901	COAX	CXN-1939	40"	CHANNEL 20
12	J111 602201-907	J200-N 602220-901	COAX	CXN-1939	40"	CHANNEL 21
13	J112 602201-907	J200-P 602220-901	COAX	CXN-1939	40"	CHANNEL 22
14	J113 602201-907	J200-R 602220-901	COAX	CXN-1939	40"	CHANNEL 23
15	J114 602201-907	J200-S 602220-901	COAX	CXN-1939	40"	CHANNEL 24
16	J115 602201-907	J200-T 602220-901	COAX	CXN-1939	40"	CHANNEL 30
17	J116 602201-907	J200-U 602220-901	COAX	CXN-1939	40"	CHANNEL 31
18	J117 602201-907	J200-V 602220-901	COAX	CXN-1939	40"	CHANNEL 32
19	J118 602201-907	J200-W 602220-901	COAX	CXN-1939	40"	CHANNEL 33
20	J119 602201-907	J200-X 602220-901	COAX	CXN-1939	40"	CHANNEL 34
21	J120 602201-907	J201-A 602220-901	COAX	CXN-1939	40"	CHANNEL 40
22	J121 602201-907	J201-B 602220-901	COAX	CXN-1939	40"	CHANNEL 41
23	J122 602201-907	J201-C 602220-901	COAX	CXN-1939	40"	CHANNEL 42
24	J123 602201-907	J201-D 602220-901	COAX	CXN-1939	40"	CHANNEL 43
25	J124 602201-907	J201-E 602220-901	COAX	CXN-1939	40"	CHANNEL 44
<b>RACAL Instruments, Inc., 4 Goodyear St., Irvine, CA 92718</b>						
DOCUMENT TITLE			SIZE	CODE NO.	DOCUMENT NO.	REV
HARNESS ASSEMBLY, 1260-93A, TTI			A	21793	407447	C
DRN					SHEET 5 of 6	

DOC. NO. 407447

## ENGINEERING WIRE LIST

WIRE	FROM	TO	TYPE	PART #	WIRE LEN	REFERENCE	
26	J125 602201-907	J201-F 602220-901	COAX	CXN-1939	40"	CHANNEL 50	
27	J126 602201-907	J201-H 602220-901	COAX	CXN-1939	40"	CHANNEL 51	
28	J127 602201-907	J201-J 602220-901	COAX	CXN-1939	40"	CHANNEL 52	
29	J128 602201-907	J201-K 602220-901	COAX	CXN-1939	40"	CHANNEL 53	
30	J129 602201-907	J201-L 602220-901	COAX	CXN-1939	40"	CHANNEL 54	
31	J130 602201-907	J201-M 602220-901	COAX	CXN-1939	40"	CHANNEL 60	
32	J131 602201-907	J201-N 602220-901	COAX	CXN-1939	40"	CHANNEL 61	
33	J132 602201-907	J201-P 602220-901	COAX	CXN-1939	40"	CHANNEL 62	
34	J133 602201-907	J201-R 602220-901	COAX	CXN-1939	40"	CHANNEL 63	
35	J134 602201-907	J201-S 602220-901	COAX	CXN-1939	40"	CHANNEL 64	
36	J135 602201-907	J201-T 602220-901	COAX	CXN-1939	40"	CHANNEL 70	
37	J136 602201-907	J201-U 602220-901	COAX	CXN-1939	40"	CHANNEL 71	
38	J137 602201-907	J201-V 602220-901	COAX	CXN-1939	40"	CHANNEL 72	
39	J138 602201-907	J201-W 602220-901	COAX	CXN-1939	40"	CHANNEL 73	
40	J139 602201-907	J201-X 602220-901	COAX	CXN-1939	40"	CHANNEL 74	
<b>RACAL Instruments, Inc., 4 Goodyear St., Irvine, CA 92718</b>							
DOCUMENT TITLE				SIZE	CODE NO.	DOCUMENT NO.	REV
HARNESS ASSEMBLY, 1260-93A, TTI				A	21793	407447	C
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DOC. NO. 407447



REV. NO. 407447-002

REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL DESIGN		
B	REVISED P.L.O.		
C	REVISED P.L.O.		
D	REVISED P.L.O.		

RACAL Instruments, Inc.  
4 Lockheed Hill, Inglewood, CA 90240

TITLE  
HARNASS ASSY 1260-93B, TTI

REV. NO.	REV. DATE	REV. BY
D	2/7/93	A

DATE: 2/7/93  
DRAWN BY: [blank]  
CHECKED BY: [blank]  
PART NO.: 407447-002

**PROPRIETARY NOTICE** - THE INFORMATION CONTAINED HEREIN IS THE PROPERTY OF RACAL INSTRUMENTS, INC. AND IS NOT TO BE DISCLOSED OR REPRODUCED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF RACAL INSTRUMENTS, INC.

**NOTES:**

- SEE WIRE LIST FOR CONTACT ASSIGNMENTS AND CONNECTIONS.
- MARK "C" ON APPROPRIATE SIZE SHRINK TUBING APPROXIMATELY 1/2" FROM END.
- MARK PARTS OF 60/40/50 AND LATEST REVISION ON APPROPRIATE SIZE SHRINK TUBING APPROXIMATELY 1/2" FROM END.
- PLACE APPROPRIATE SIZE SHRINK TUBING OVER ENDS OF BRAID.
- CONNECTORS J100-J178 WILL LATER MATE TO RECEIVER BLOCK IS AVAILABLE FROM RACAL INSTRUMENTS, INC. PART NO. RIB-227.
- ENCLOSE CABLES IN SINGLE BAG AND IDENTIFY WITH PART NUMBER AND CURRENT REVISION.



## ENGINEERING WIRE LIST

WIRE	FROM	TO	TYPE	PART #	WIRE LEN	REFERENCE
	BLK AAx PN 01 (J100)	Uxx-SLOT yy (J200)	CABLE	407447-002		SYSTEM WIRE LIST
	BLK AAx PN 02 (J101)	Uxx-SLOT yy (J200)	CABLE	407447-002		
	BLK AAx PN 03 (J102)	Uxx-SLOT yy (J200)	CABLE	407447-002		
	BLK AAx PN 04 (J103)	Uxx-SLOT yy (J200)	CABLE	407447-002		
	BLK AAx PN 05 (J104)	Uxx-SLOT yy (J200)	CABLE	407447-002		
	BLK AAx PN 06 (J105)	Uxx-SLOT yy (J200)	CABLE	407447-002		
	BLK AAx PN 07 (J106)	Uxx-SLOT yy (J200)	CABLE	407447-002		
	BLK AAx PN 08 (J107)	Uxx-SLOT yy (J200)	CABLE	407447-002		
	BLK AAx PN 09 (J108)	Uxx-SLOT yy (J200)	CABLE	407447-002		
	BLK AAx PN 10 (J109)	Uxx-SLOT yy (J200)	CABLE	407447-002		
	BLK AAx PN 11 (J100)	Uxx-SLOT yy (J200)	CABLE	407447-002		
	BLK AAx PN 12 (J111)	Uxx-SLOT yy (J200)	CABLE	407447-002		
	BLK AAx PN 13 (J112)	Uxx-SLOT yy (J200)	CABLE	407447-002		
	BLK AAx PN 14 (J113)	Uxx-SLOT yy (J200)	CABLE	407447-002		
	BLK AAx PN 15 (J114)	Uxx-SLOT yy (J200)	CABLE	407447-002		
	BLK AAx PN 16 (J115)	Uxx-SLOT yy (J200)	CABLE	407447-002		
	BLK AAx PN 17 (J116)	Uxx-SLOT yy (J200)	CABLE	407447-002		
	BLK AAx PN 18 (J117)	Uxx-SLOT yy (J200)	CABLE	407447-002		
	BLK AAx PN 19 (J118)	Uxx-SLOT yy (J200)	CABLE	407447-002		
	BLK AAx PN 20 (J119)	Uxx-SLOT yy (J200)	CABLE	407447-002		
	BLK AAx PN 21 (J120)	Uxx-SLOT yy (J201)	CABLE	407447-002		
	BLK AAx PN 22 (J121)	Uxx-SLOT yy (J201)	CABLE	407447-002		
	BLK AAx PN 23 (J122)	Uxx-SLOT yy (J201)	CABLE	407447-002		
	BLK AAx PN 24 (J123)	Uxx-SLOT yy (J201)	CABLE	407447-002		
	BLK AAx PN 25 (J124)	Uxx-SLOT yy (J201)	CABLE	407447-002		
<b>RACAL Instruments, Inc., 4 Goodyear St., Irvine, CA 92718</b>						
DOCUMENT TITLE			SIZE	CODE NO.	DOCUMENT NO.	REV
HARNESS ASSEMBLY, 1260-93B, TTI			A	21793	407447-002	A
			DRN		SHEET 3 of 10	

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## ENGINEERING WIRE LIST

WIRE	FROM	TO	TYPE	PART #	WIRE LEN	REFERENCE
	BLK AAx PN 26 (J125)	Uxx-SLOT yy (J201)	CABLE	407447-002		
	BLK AAx PN 27 (J126)	Uxx-SLOT yy (J201)	CABLE	407447-002		
	BLK AAx PN 28 (J127)	Uxx-SLOT yy (J201)	CABLE	407447-002		
	BLK AAx PN 29 (J128)	Uxx-SLOT yy (J201)	CABLE	407447-002		
	BLK AAx PN 30 (J129)	Uxx-SLOT yy (J201)	CABLE	407447-002		
	BLK AAx PN 31 (J130)	Uxx-SLOT yy (J201)	CABLE	407447-002		
	BLK AAx PN 32 (J131)	Uxx-SLOT yy (J201)	CABLE	407447-002		
	BLK AAx PN 33 (J132)	Uxx-SLOT yy (J201)	CABLE	407447-002		
	BLK AAx PN 34 (J133)	Uxx-SLOT yy (J201)	CABLE	407447-002		
	BLK AAx PN 35 (J134)	Uxx-SLOT yy (J201)	CABLE	407447-002		
	BLK AAx PN 36 (J135)	Uxx-SLOT yy (J201)	CABLE	407447-002		
	BLK AAx PN 37 (J136)	Uxx-SLOT yy (J201)	CABLE	407447-002		
	BLK AAx PN 38 (J137)	Uxx-SLOT yy (J201)	CABLE	407447-002		
	BLK AAx PN 39 (J138)	Uxx-SLOT yy (J201)	CABLE	407447-002		
	BLK AAx PN 40 (J139)	Uxx-SLOT yy (J201)	CABLE	407447-002		
	BLK AAx PN 41 (J140)	Uxx-SLOT yy (J202)	CABLE	407447-002		
	BLK AAx PN 42 (J141)	Uxx-SLOT yy (J202)	CABLE	407447-002		
	BLK AAx PN 43 (J142)	Uxx-SLOT yy (J202)	CABLE	407447-002		
	BLK AAx PN 44 (J143)	Uxx-SLOT yy (J202)	CABLE	407447-002		
	BLK AAx PN 45 (J144)	Uxx-SLOT yy (J202)	CABLE	407447-002		
	BLK AAx PN 46 (J145)	Uxx-SLOT yy (J202)	CABLE	407447-002		
	BLK AAx PN 47 (J146)	Uxx-SLOT yy (J202)	CABLE	407447-002		
	BLK AAx PN 48 (J147)	Uxx-SLOT yy (J202)	CABLE	407447-002		
	BLK AAx PN 49 (J148)	Uxx-SLOT yy (J202)	CABLE	407447-002		
	BLK AAx PN 50 (J149)	Uxx-SLOT yy (J202)	CABLE	407447-002		

**RACAL Instruments, Inc., 4 Goodyear St., Irvine, CA 92718**

DOCUMENT TITLE	SIZE	CODE NO.	DOCUMENT NO.	REV
HARNESS ASSEMBLY, 1260-93B, TTI	A	21793	407447-002	A
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## ENGINEERING WIRE LIST

WIRE	FROM	TO	TYPE	PART #	WIRE LEN	REFERENCE
	BLK AAx PN 51 (J150)	Uxx-SLOT yy (J202)	CABLE	407447- 002		
	BLK AAx PN 52 (J151)	Uxx-SLOT yy (J202)	CABLE	407447- 002		
	BLK AAx PN 53 (J152)	Uxx-SLOT yy (J202)	CABLE	407447- 002		
	BLK AAx PN 54 (J153)	Uxx-SLOT yy (J202)	CABLE	407447- 002		
	BLK AAx PN 55 (J154)	Uxx-SLOT yy (J202)	CABLE	407447- 002		
	BLK AAx PN 56 (J155)	Uxx-SLOT yy (J202)	CABLE	407447- 002		
	BLK AAx PN 57 (J156)	Uxx-SLOT yy (J202)	CABLE	407447- 002		
	BLK AAx PN 58 (J157)	Uxx-SLOT yy (J202)	CABLE	407447- 002		
	BLK AAx PN 59 (J158)	Uxx-SLOT yy (J202)	CABLE	407447- 002		
	BLK AAx PN 60 (J159)	Uxx-SLOT yy (J202)	CABLE	407447- 002		
	BLK AAx PN 61 (J160)	Uxx-SLOT yy (J203)	CABLE	407447- 002		
	BLK AAx PN 62 (J161)	Uxx-SLOT yy (J203)	CABLE	407447- 002		
	BLK AAx PN 63 (J162)	Uxx-SLOT yy (J203)	CABLE	407447- 002		
	BLK AAx PN 64 (J163)	Uxx-SLOT yy (J203)	CABLE	407447- 002		
	BLK AAx PN 65 (J164)	Uxx-SLOT yy (J203)	CABLE	407447- 002		
	BLK AAx PN 66 (J165)	Uxx-SLOT yy (J203)	CABLE	407447- 002		
	BLK AAx PN 67 (J166)	Uxx-SLOT yy (J203)	CABLE	407447- 002		
	BLK AAx PN 68 (J167)	Uxx-SLOT yy (J203)	CABLE	407447- 002		
	BLK AAx PN 69 (J168)	Uxx-SLOT yy (J203)	CABLE	407447- 002		
	BLK AAx PN 70 (J169)	Uxx-SLOT yy (J203)	CABLE	407447- 002		
	BLK AAx PN 71 (J170)	Uxx-SLOT yy (J203)	CABLE	407447- 002		
	BLK AAx PN 72 (J171)	Uxx-SLOT yy (J203)	CABLE	407447- 002		
	BLK AAx PN 73 (J172)	Uxx-SLOT yy (J203)	CABLE	407447- 002		
	BLK AAx PN 74 (J173)	Uxx-SLOT yy (J203)	CABLE	407447- 002		
	BLK AAx PN 75 (J174)	Uxx-SLOT yy (J203)	CABLE	407447- 002		
<b>RACAL Instruments, Inc., 4 Goodyear St., Irvine, CA 92718</b>						
DOCUMENT TITLE			SIZE	CODE NO.	DOCUMENT NO.	REV
HARNES ASSEMBLY, 1260-93B, TTI			A	21793	407447-002	A
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## ENGINEERING WIRE LIST

WIRE	FROM	TO	TYPE	PART #	WIRE LEN	REFERENCE
	BLK AAx PN 76 (J175)	Uxx-SLOT yy (J203)	CABLE	407447-002		
	BLK AAx PN 77 (J176)	Uxx-SLOT yy. (J203)	CABLE	407447-002		
	BLK AAx PN 78 (J177)	Uxx-SLOT yy (J203)	CABLE	407447-002		
	BLK AAx PN 79 (J178)	Uxx-SLOT yy (J203)	CABLE	407447-002		
	BLK AAx PN 80 (J179)	Uxx-SLOT yy (J203)	CABLE	407447-002		
<p>This system wirelist serves as a template for incorporating this harness assembly into the overall system wirelist. It does not in any way affect the fabrication of this harness assembly.</p>						
<p><b>RACAL Instruments, Inc., 4 Goodyear St., Irvine, CA 92718</b></p>						
DOCUMENT TITLE			SIZE	CODE NO.	DOCUMENT NO.	REV
HARNESS ASSEMBLY, 1260-93B, TTI			A	21793	407447-002	A
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## ENGINEERING WIRE LIST

WIRE	FROM	TO	TYPE	PART #	WIRE LEN	REFERENCE
1	J100 602201-907	J200-A 602220-901	COAX	CXN-1939	40"	CHANNEL 00
2	J101 602201-907	J200-B 602220-901	COAX	CXN-1939	40"	CHANNEL 01
3	J102 602201-907	J200-C 602220-901	COAX	CXN-1939	40"	CHANNEL 02
4	J103 602201-907	J200-D 602220-901	COAX	CXN-1939	40"	CHANNEL 03
5	J104 602201-907	J200-E 602220-901	COAX	CXN-1939	40"	CHANNEL 04
6	J105 602201-907	J200-F 602220-901	COAX	CXN-1939	40"	CHANNEL 10
7	J106 602201-907	J200-H 602220-901	COAX	CXN-1939	40"	CHANNEL 11
8	J107 602201-907	J200-J 602220-901	COAX	CXN-1939	40"	CHANNEL 12
9	J108 602201-907	J200-K 602220-901	COAX	CXN-1939	40"	CHANNEL 13
10	J109 602201-907	J200-L 602220-901	COAX	CXN-1939	40"	CHANNEL 14
11	J110 602201-907	J200-M 602220-901	COAX	CXN-1939	40"	CHANNEL 20
12	J111 602201-907	J200-N 602220-901	COAX	CXN-1939	40"	CHANNEL 21
13	J112 602201-907	J200-P 602220-901	COAX	CXN-1939	40"	CHANNEL 22
14	J113 602201-907	J200-R 602220-901	COAX	CXN-1939	40"	CHANNEL 23
15	J114 602201-907	J200-S 602220-901	COAX	CXN-1939	40"	CHANNEL 24
16	J115 602201-907	J200-T 602220-901	COAX	CXN-1939	40"	CHANNEL 30
17	J116 602201-907	J200-U 602220-901	COAX	CXN-1939	40"	CHANNEL 31
18	J117 602201-907	J200-V 602220-901	COAX	CXN-1939	40"	CHANNEL 32
19	J118 602201-907	J200-W 602220-901	COAX	CXN-1939	40"	CHANNEL 33
20	J119 602201-907	J200-X 602220-901	COAX	CXN-1939	40"	CHANNEL 34
21	J120 602201-907	J201-A 602220-901	COAX	CXN-1939	40"	CHANNEL 40
22	J121 602201-907	J201-B 602220-901	COAX	CXN-1939	40"	CHANNEL 41
23	J122 602201-907	J201-C 602220-901	COAX	CXN-1939	40"	CHANNEL 42
24	J123 602201-907	J201-D 602220-901	COAX	CXN-1939	40"	CHANNEL 43
25	J124 602201-907	J201-E 602220-901	COAX	CXN-1939	40"	CHANNEL 44
<b>RACAL Instruments, Inc., 4 Goodyear St., Irvine, CA 92718</b>						
DOCUMENT TITLE			SIZE	CODE NO.	DOCUMENT NO.	REV
HARNES ASSEMBLY, 1260-93B, TTI			A	21793	407447-002	A
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## ENGINEERING WIRE LIST

WIRE	FROM	TO	TYPE	PART #	WIRE LEN	REFERENCE
26	J125 602201-907	J201-F 602220-901	COAX	CXN-1939	40"	CHANNEL 50
27	J126 602201-907	J201-H 602220-901	COAX	CXN-1939	40"	CHANNEL 51
28	J127 602201-907	J201-J 602220-901	COAX	CXN-1939	40"	CHANNEL 52
29	J128 602201-907	J201-K 602220-901	COAX	CXN-1939	40"	CHANNEL 53
30	J129 602201-907	J201-L 602220-901	COAX	CXN-1939	40"	CHANNEL 54
31	J130 602201-907	J201-M 602220-901	COAX	CXN-1939	40"	CHANNEL 60
32	J131 602201-907	J201-N 602220-901	COAX	CXN-1939	40"	CHANNEL 61
33	J132 602201-907	J201-P 602220-901	COAX	CXN-1939	40"	CHANNEL 62
34	J133 602201-907	J201-R 602220-901	COAX	CXN-1939	40"	CHANNEL 63
35	J134 602201-907	J201-S 602220-901	COAX	CXN-1939	40"	CHANNEL 64
36	J135 602201-907	J201-T 602220-901	COAX	CXN-1939	40"	CHANNEL 70
37	J136 602201-907	J201-U 602220-901	COAX	CXN-1939	40"	CHANNEL 71
38	J137 602201-907	J201-V 602220-901	COAX	CXN-1939	40"	CHANNEL 72
39	J138 602201-907	J201-W 602220-901	COAX	CXN-1939	40"	CHANNEL 73
40	J139 602201-907	J201-X 602220-901	COAX	CXN-1939	40"	CHANNEL 74
41	J140 602201-907	J202-A 602220-901	COAX	CXN-1939	40"	CHANNEL 80
42	J141 602201-907	J202-B 602220-901	COAX	CXN-1939	40"	CHANNEL 81
43	J142 602201-907	J202-C 602220-901	COAX	CXN-1939	40"	CHANNEL 82
44	J143 602201-907	J202-D 602220-901	COAX	CXN-1939	40"	CHANNEL 83
45	J144 602201-907	J202-E 602220-901	COAX	CXN-1939	40"	CHANNEL 84
46	J145 602201-907	J202-F 602220-901	COAX	CXN-1939	40"	CHANNEL 90
47	J146 602201-907	J202-H 602220-901	COAX	CXN-1939	40"	CHANNEL 91
48	J147 602201-907	J202-J 602220-901	COAX	CXN-1939	40"	CHANNEL 92
49	J148 602201-907	J202-K 602220-901	COAX	CXN-1939	40"	CHANNEL 93
<b>RACAL Instruments, Inc., 4 Goodyear St., Irvine, CA 92718</b>						
DOCUMENT TITLE			SIZE	CODE NO.	DOCUMENT NO.	REV
HARNES ASSEMBLY, 1260-93B, TTI			A	21793	407447-002	A
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## ENGINEERING WIRE LIST

WIRE	FROM	TO	TYPE	PART #	WIRE LEN	REFERENCE
50	J149 602201-907	J202-L 602220-901	COAX	CXN-1939	40"	CHANNEL 94
51	J150 602201-907	J202-M 602220-901	COAX	CXN-1939	40"	CHANNEL 100
52	J151 602201-907	J202-N 602220-901	COAX	CXN-1939	40"	CHANNEL 101
53	J152 602201-907	J202-P 602220-901	COAX	CXN-1939	40"	CHANNEL 102
54	J153 602201-907	J202-R 602220-901	COAX	CXN-1939	40"	CHANNEL 103
55	J154 602201-907	J202-S 602220-901	COAX	CXN-1939	40"	CHANNEL 104
56	J155 602201-907	J202-T 602220-901	COAX	CXN-1939	40"	CHANNEL 110
57	J156 602201-907	J202-U 602220-901	COAX	CXN-1939	40"	CHANNEL 111
58	J157 602201-907	J202-V 602220-901	COAX	CXN-1939	40"	CHANNEL 112
59	J158 602201-907	J202-W 602220-901	COAX	CXN-1939	40"	CHANNEL 113
60	J159 602201-907	J202-X 602220-901	COAX	CXN-1939	40"	CHANNEL 114
61	J160 602201-907	J203-A 602220-901	COAX	CXN-1939	40"	CHANNEL 120
62	J161 602201-907	J203-B 602220-901	COAX	CXN-1939	40"	CHANNEL 121
63	J162 602201-907	J203-C 602220-901	COAX	CXN-1939	40"	CHANNEL 122
64	J163 602201-907	J203-D 602220-901	COAX	CXN-1939	40"	CHANNEL 123
65	J164 602201-907	J203-E 602220-901	COAX	CXN-1939	40"	CHANNEL 124
66	J165 602201-907	J203-F 602220-901	COAX	CXN-1939	40"	CHANNEL 130
67	J166 602201-907	J203-H 602220-901	COAX	CXN-1939	40"	CHANNEL 131
68	J167 602201-907	J203-J 602220-901	COAX	CXN-1939	40"	CHANNEL 132
69	J168 602201-907	J203-K 602220-901	COAX	CXN-1939	40"	CHANNEL 133
70	J169 602201-907	J203-L 602220-901	COAX	CXN-1939	40"	CHANNEL 134
71	J170 602201-907	J203-M 602220-901	COAX	CXN-1939	40"	CHANNEL 140
72	J171 602201-907	J203-N 602220-901	COAX	CXN-1939	40"	CHANNEL 141
73	J172 602201-907	J203-P 602220-901	COAX	CXN-1939	40"	CHANNEL 142
74	J173 602201-907	J203-R 602220-901	COAX	CXN-1939	40"	CHANNEL 143
<b>RACAL Instruments, Inc., 4 Goodyear St., Irvine, CA 92718</b>						
DOCUMENT TITLE			SIZE	CODE NO.	DOCUMENT NO.	REV
HARNESS ASSEMBLY, 1260-93B, TTI			A	21793	407447-002	A
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## ENGINEERING WIRE LIST

WIRE	FROM	TO	TYPE	PART #	WIRE LEN	REFERENCE
75	J174 602201-907	J203-S 602220-901	COAX	CXN-1939	40"	CHANNEL 144
76	J175 602201-907	J203-T 602220-901	COAX	CXN-1939	40"	CHANNEL 150
77	J176 602201-907	J203-U 602220-901	COAX	CXN-1939	40"	CHANNEL 151
78	J177 602201-907	J203-V 602220-901	COAX	CXN-1939	40"	CHANNEL 152
79	J178 602201-907	J203-W 602220-901	COAX	CXN-1939	40"	CHANNEL 153
80	J179 602201-907	J203-X 602220-901	COAX	CXN-1939	40"	CHANNEL 154
<b>RACAL Instruments, Inc., 4 Goodyear St., Irvine, CA 92718</b>						
DOCUMENT TITLE			SIZE	CODE NO.	DOCUMENT NO.	REV
HARNESS ASSEMBLY, 1260-93B, TTI			A	21793	407447-002	A
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## Chapter 7

# PRODUCT SUPPORT

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### **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 1260-93 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

### **Racal Instruments, Inc.**

4 Goodyear St., Irvine, CA 92618-2002  
Tel: (800) 722-3262, FAX: (949) 859-7309

### **Racal Instruments, Ltd.**

480 Bath Road, Slough, Berkshire, SL1 6BE, United Kingdom  
Tel: +44 (0) 8706 080134; FAX: +44 (0) 1753 791290

### **Racal Systems Electronique S.A.**

18 Avenue Dutartre, 78150 LeChesnay, France  
Tel: +33 (1) 3923 2222; FAX: +33 (1) 3923 2225

### **Racal Systems Elettronica s.r.l.**

Strada 2-Palazzo C4, 20090 Milanofiori Assago, Milan, Italy  
Tel: +39 (02) 5750 1796; FAX +39 (02) 5750 1828

### **Racal Elektronik System GmbH.**

Frankenforster Strasse 21, 51427 Bergisch Gladbach,  
Germany  
Tel: +49 2204 92220; FAX: +49 2204 21491

### **Racal Australia Pty. Ltd.**

3 Powells Road, Brookvale, NSW 2100, Australia  
Tel: +61 (2) 9936 7000, FAX: +61 (2) 9936 7036

### **Racal Electronics Pte. Ltd.**

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Estate, Singapore 0513.  
Tel: +65 7792200, FAX: +65 7785400

### **Racal Instruments, Ltd.**

Unit 5, 25F., Mega Trade Center, No 1, Mei Wan Road, Tsuen  
Wan, Hong Kong, PRC  
Tel: +852 2405 5500, FAX: +852 2416 4335