

**1260 VXI  
SWITCHING CARD**

**Model 1260-75  
100MHz  
MULTIPLEXER MODULE**

**PUBLICATION NO. 980673-025**

**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:

E-Mail: [Helpdesk@racalstruments.com](mailto:Helpdesk@racalstruments.com)

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

CLOSE 7.0

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

### Control Information for the 1260-75A

The following information describes the control-register-to-relay-channel mapping for a 1260-75A and Relay Module. This information may be used to control a 1260-75A 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 1260-75B

The following information describes the control-register-to-relay-channel mapping for a 1260-75B Relay Module. This information may be used to control a 1260-75B 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

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## Chapter 1

# OVERVIEW

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### 1260-75 100MHz Multiplexer Module

The 1260-75A/B provides eight or sixteen, respectively, 1x4 75 $\Omega$  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 1260-75A/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.

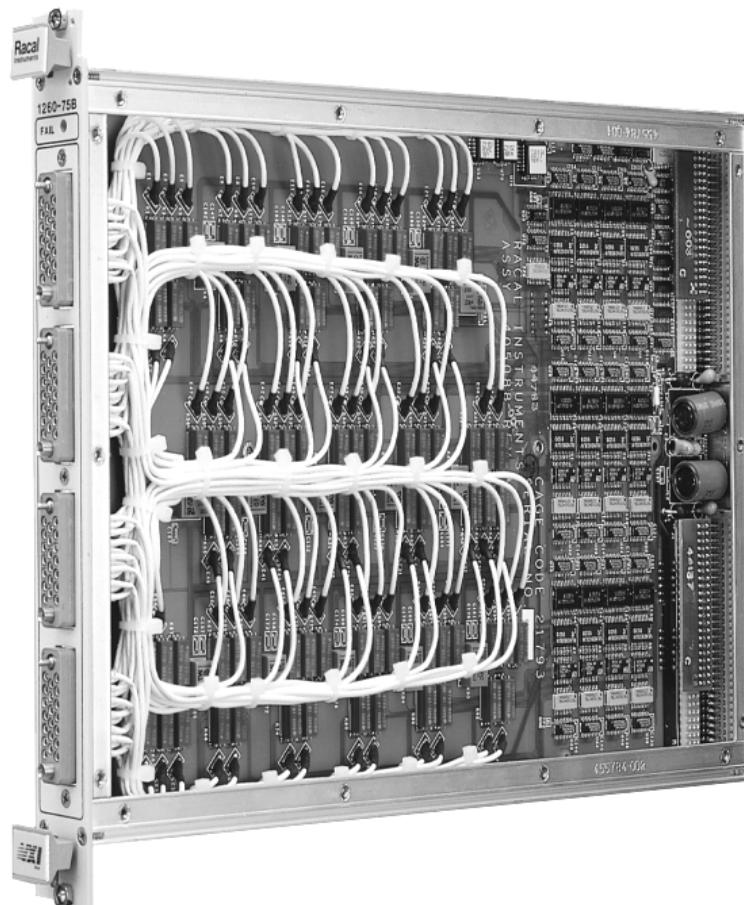


Figure 1-1, 1260-75A/B

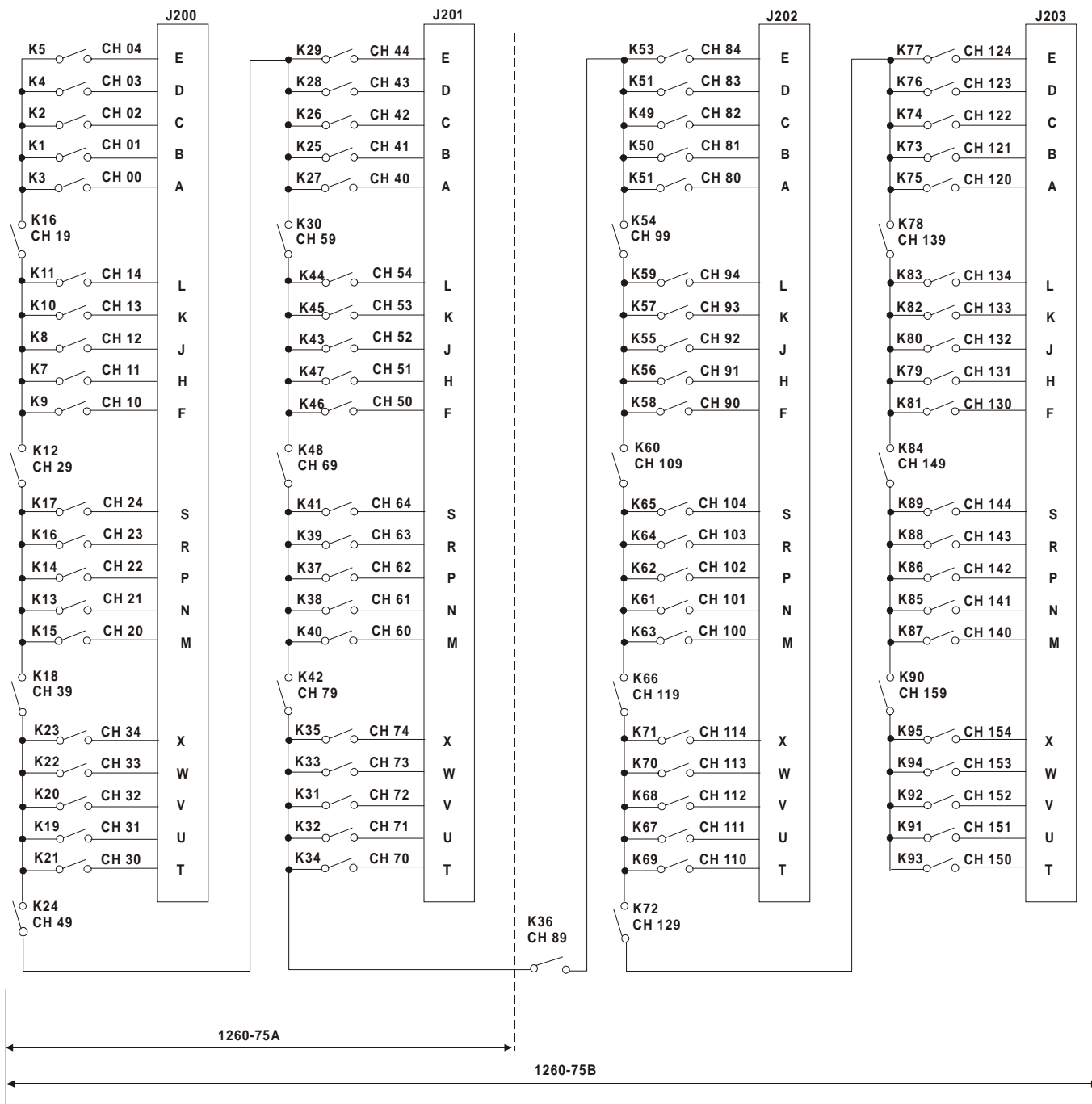


Figure 1-2, 1260-75A/B Functional Diagram



## Specifications

Minimum Firmware Revision Option 01	23.1
User Connector	Housing: Burndy MSD20PM- 118 Contact: Burndy 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	<2.0Ω
-----------------	-------

### AC Performance

Impedance	75Ω
Bandwidth (-3 dB)	100 MHz (longest path) 200 MHz (1 x 4 Multiplexer)
Insertion Loss	<1.5dB at 100MHz (1 x 4 Multiplexer)
Crosstalk Across Groups 75Ω Termination	10MHz: <-50dB 100MHz: <-40dB
Isolation Between Channels 75Ω Termination	10MHz: >40dB 100MHz: >35dB
VSWR (75Ω 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 (Typical 1 x 4 Multiplexer)	<3nS
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
407363-001	2
407363-003	6
407363-006	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 RG3 16 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 1260-75A requires 40, and the 1260-75B requires 80. To crimp coaxial pins, use crimp tool Hytool M10S-1 from Bummy.

## Ordering Information

Model Number	Description	Part Number
1260-75A	6 1x4 75Ω Multiplexer 40 Channels	407354-001
1260-75B	16 1x4 75Ω Multiplexer 80 Channels	407354-002

## 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.

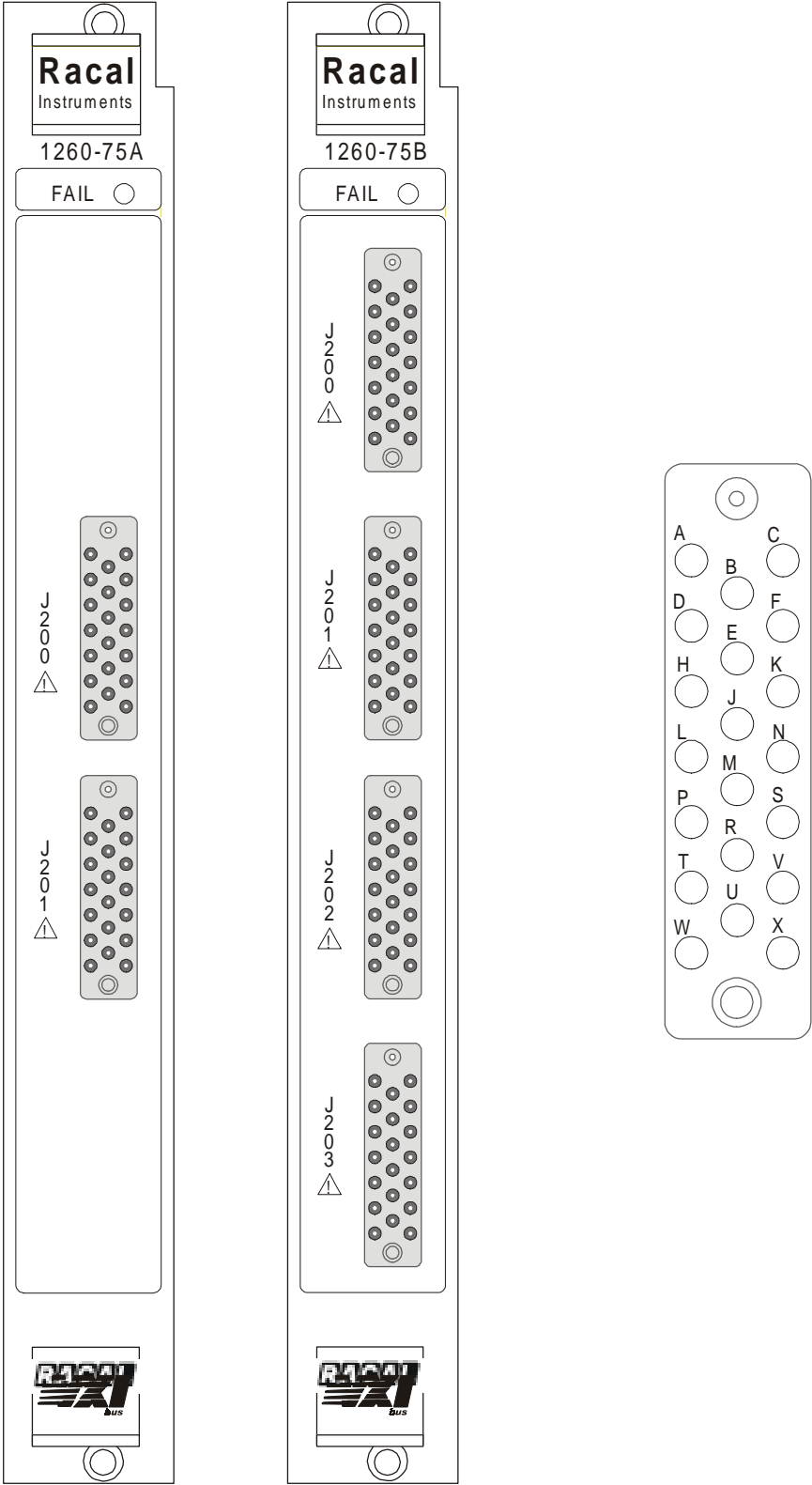


Figure 1-3, 1260-75A/B J200-J203 Connector Pin Configuration

## 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 1260-75A/B is described in the Installation section of the 1260 Series VXI Switching Cards Manual.

## **Module Installation**

Installation of the 1260-75A/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 1260-75A module and to ON for the 1260-75B module.

## Chapter 3

## MODULE SPECIFIC SYNTAX

## 1260-75 Module

The 1260-7SA/B RF Multiplexer supports the OPEN, CLOSE, PSETUP, RESET and PDATAOUT commands.

# Syntax

The module specific syntax for the 1260-75A/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:

1260-75A: 00-04, 10-14, 19, 20-24, 29, 30-34, 39, 40-44,  
49, 50-54, 59, 60-64, 69, 70-74, 79

1260-75B: 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 1260-75A/B multiplexer is as follows:

1260-75A:

```
<module address>.1260-75A, 8 (1x4) 75 OHM 100 MHz MULTIPLEXER MODULE
<module address>.BBM
<module address>.END
```

1260-75B:

```
<module address>. 1260-75B, 16( 1X4) 75 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:

1260-75A:

```
<module address>.1260-75A 8 (1x4) 75 OHM 100 MHz MULTIPLEXER MODULE
<module address>.<channel>[,<channel>] [,<channel>].....
```



<module address>.END

### 1260-75B:

<module address>. 1260-75B 16 (1x4) 75 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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407354-002, Final Assembly, 1260-75B..... 4-4

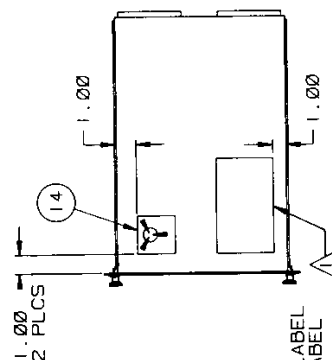
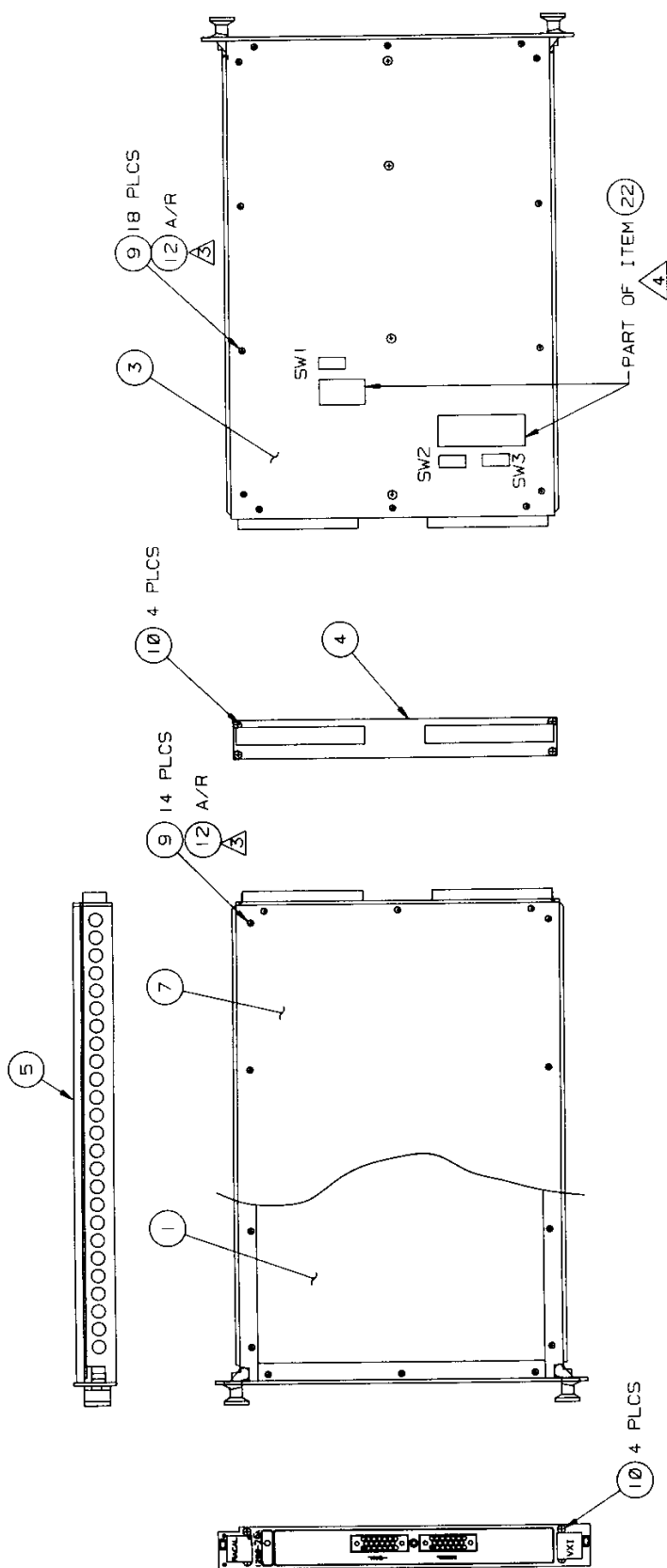
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435088, Schematic, 1260-75..... 4-10

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CUT OUT THE "12 LOCAL BUS LINES" LABEL FROM ITEM 22 LABEL SET. AFFIX LABEL AS SHOWN TO SW2 & SW3. AFFIX "1-D BYTE" LABEL AS SHOWN TO SW1. ALIGN LABEL TEXT WITH APPROPRIATE SWITCH ACTUATORS.

APPLY LOCTITE 242 (ITEM 12) TO ALL SCREWS THAT DO NOT USE MECHANICAL LOCKING HARDWARE

LOCATE LABELS AS SHOWN IN DETAIL C.

LOCATE APPROPRIATE VXI LABEL WHERE SHOWN.

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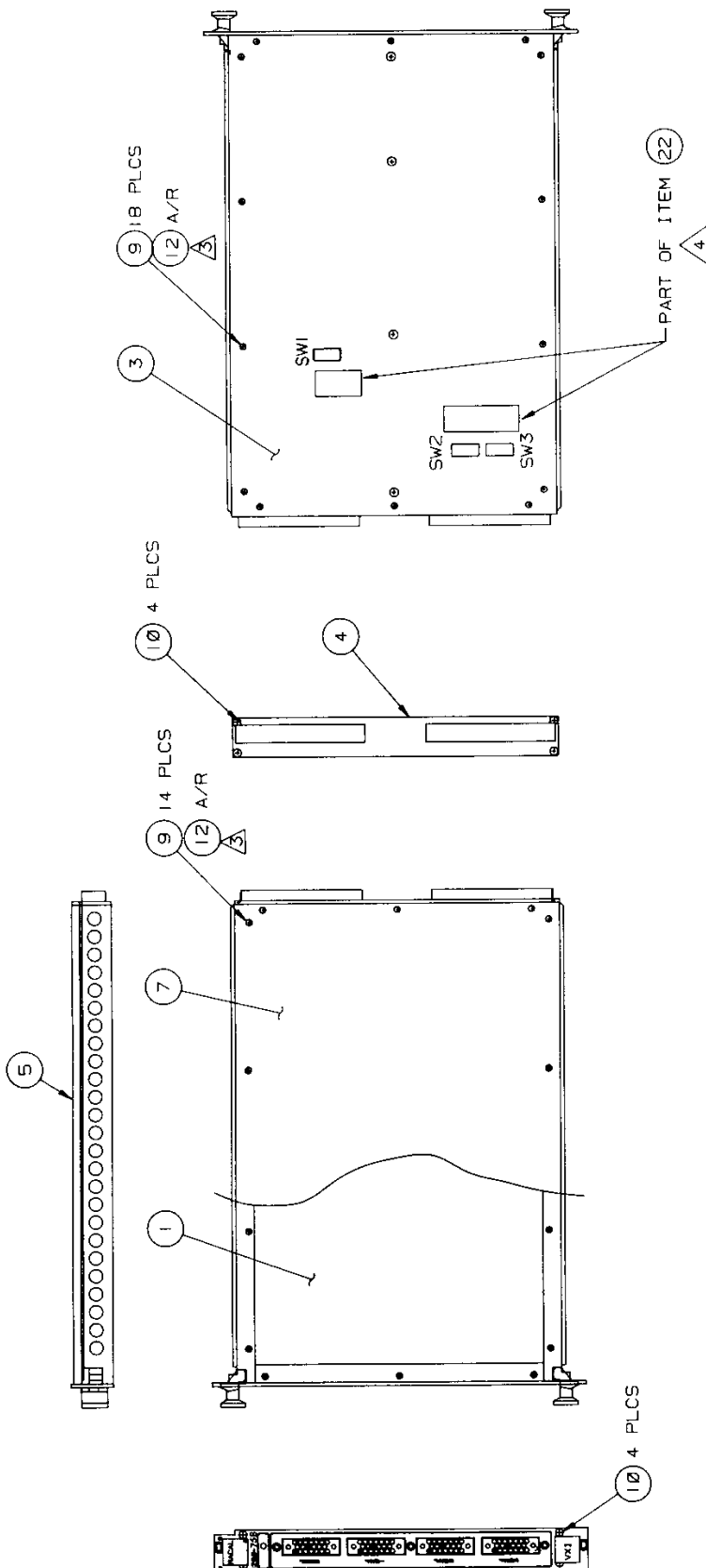
1260-75A. 75 OHM

MUX 8-1X4

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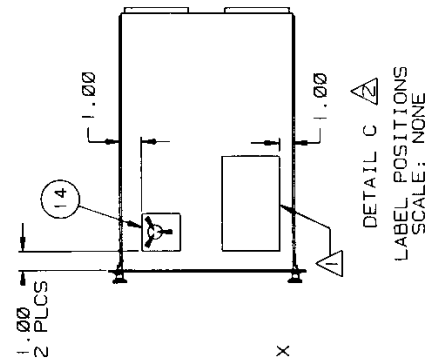
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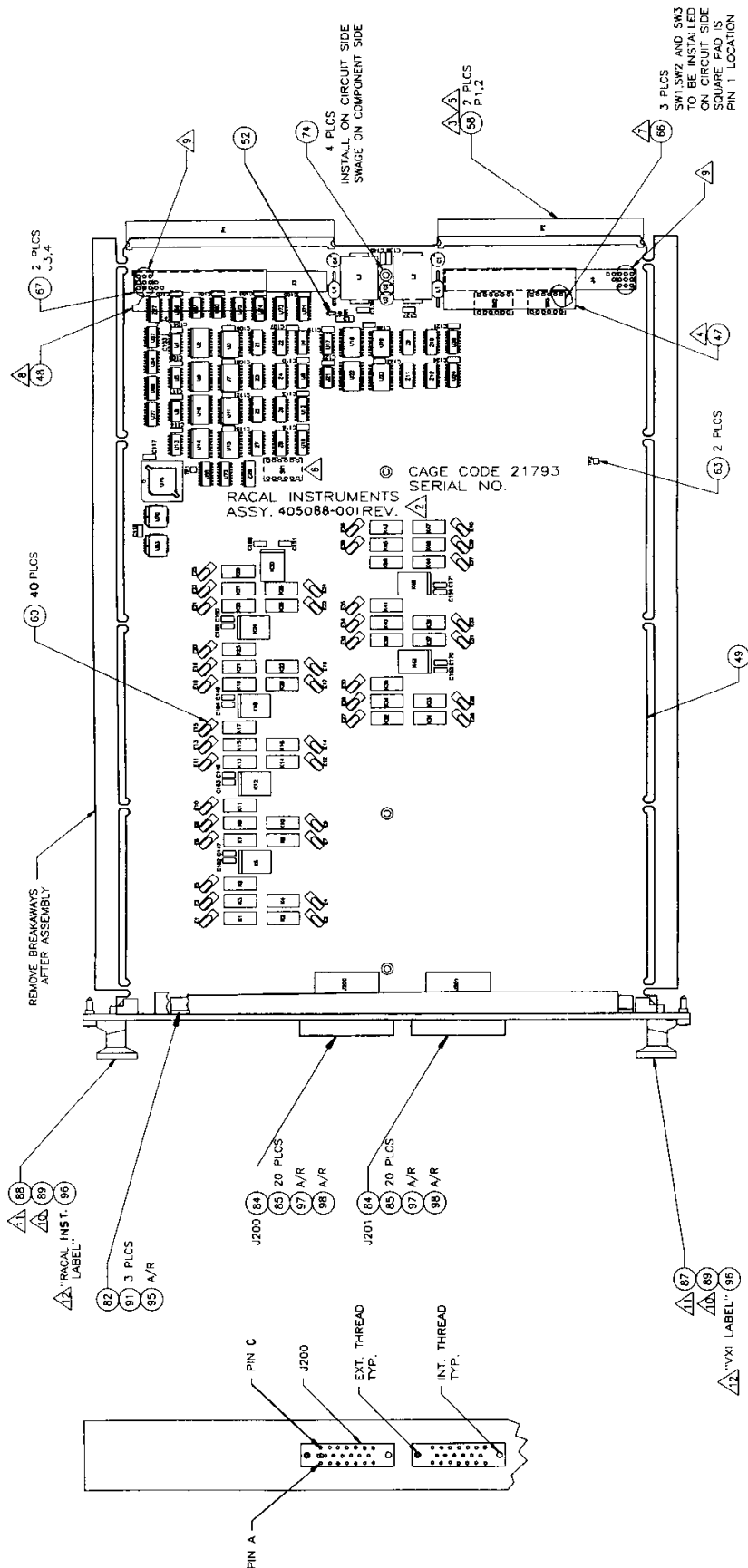
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MUX 16 1X4			
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SCALE NONE		SHEET	1 OF 2



- 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 VX1 LABEL WHERE SHOWN.



**PROPRIETARY NOTICE**

**PROPRIETARY NOTICE**

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

**DOCUMENT TITLE**

PCB ASSY, 1260-75A

SCALE	1/1	SHEET	1	OF	3
SIZE	D	CODE IDENT NO.	21793	DOCUMENT NO.	405088-001
					REV.
					A

COMPONENT SIDE

14. FOR ITEM 85 USE CRIMP TOOL HYTOOL M10S-1. SET CRIMP TOOL AS FOLLOWS: DIE SET S-87,

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2137, 138, 139 & 1140 ARE NOT INSTALLED.

12. INSTALL ITEM 96 (RACAL INST. VXi LABELS) RIGHT-READING

WITH ITEM 81 NOMENCLATURE.

BLOCK ONE RUSHING AND ONE I.D. PLATE- ITEM 88 IS THE SAME AS

ITEM 87 EXCEPT HANDLE AND PCB MOUNTING BLOCK ARE FOR THE TOP.

ITEM 89 CONSISTS OF MOUNTING HARDWARE FOR HANDLES

AND ASSOCIATED PARTS. DISCARD UNUSED HARDWARE SUPPLIED WITH ITEM 89

9. SOLDER TAILS ON CIRCUIT SIDE OF PCB FOR J3 AND J4 (ITEM 67) 3 ROWS (9 PINS) NEAREST EDGE OF PC BOARD TO BE TRIMMED

TO A MAXIMUM HEIGHT OF .045.

B INSTALL (ITEM 48) PCB INTO (ITEM 67) 05;

**✓ A SET SW2 AND SW3 (ITEM 66) TO ON POSITION. DO NOT**

WAVE SOLDER.  
CUT SW: (ITEM 66) TO LOGICAL ADDRESS 1 PER TABLE 1.

SET SW1 (ITEM 88) TO LOGICAL ADDRESS 1. ALSO SET SW1 POSITION 5 TO OFF. DO NOT WAVE SOLDER.

5. P1 AND P2 MUST BE INSTALLED FLUSH AT RIGHT ANGLE TO

▲ INSTALL (ITEM 47) PCB INTO (ITEM 57) J4.

4 INSTALL (NEW 4) FOR INFO (NEW 5) FOR

3. SOLDER TAILS ON CIRCUIT SIDE OF PCB FOR P1 AND P2 (SEE FIGURE 1, DIMENSION HEIGHT OF 0.45)

3. TRIMMED TO A MAXIMUM HEIGHT OF .045;  
INK STAMP SERIAL NUMBER AND CURRENT REVISION ON

COMPONENT SIDE APPROX. WHERE SHOWN.

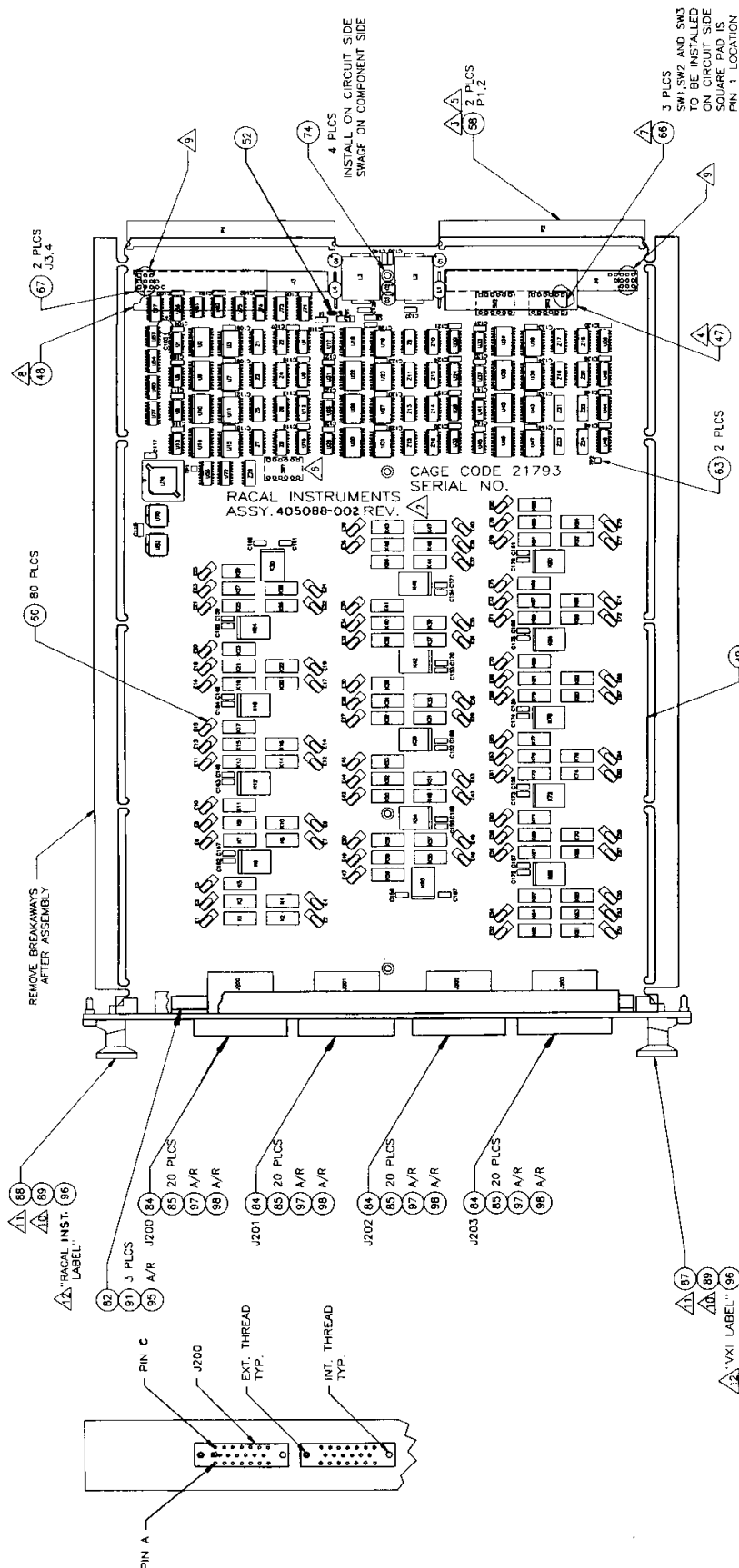
1. REFERENCE SCHEMATIC 435088.

### Drawings 4-5

## ENGINEERING WIRE LIST

[illegible]





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

DOCUMENT TITLE			
PCB ASSY, 1260-75B			
SIZE	CODE IDENT NO	DOCUMENT NO	REV.
D	21793	405088-002	A
SCALE	1/1	SHEET 1	OF 5

COMPONENT SIDE

HANDLE  
 PART OF ITEM 87.88  
 MOUNTING BLOCK  
 PART OF ITEM 87.88  
 BUSHING  
 PART OF ITEM 87.88  
 FLAT HEAD SCREW  
 PART OF ITEM 89

14. FOR ITEM 85 USE CRIMP TOOL HYTOOL M10S-1.  
SET CRIMP TOOL AS FOLLOWS: DIE SET S-87,  
STOP BUSH SL-105.

3. C137, 138, 139 & C140 ARE NOT INSTALLED.

12 INSTALL ITEM 96 (RACAL INST. VXi LABELS) RIGHT-READING WITH ITEM 81 NOMENCLATURE.

WITH ITEM 81 NOMENCLATURE.

ITEM 89 CONSISTS OF MOUNTING HARDWARE FOR HANDLES AND ASSOCIATED PARTS. DISCARD UNUSED HARDWARE SUPPLIED WITH ITEM 89.

9 SOLDER TAILS ON CIRCUIT SIDE OF PCB FOR J3 AND J4 (ITEM 67)  
3 ROWS (9 PINS) NEAREST EDGE OF PC BOARD TO BE TRIMMED

8. INSTALL (ITEM 48) PCB INTO (ITEM 67) J3. TO A MAXIMUM HEIGHT OF .045.

△ SET SW2 AND SW3 (ITEM 66) TO ON POSITION. DO NOT WAVE SOLDER.

6.  WAVE SOLDER: SET SW1 (ITEM 66) TO LOGICAL ADDRESS 1 PER TABLE 1. ALSO SET SW1 POSITION 5 TO ON. DO NOT WAVE SOLDER

5. ALSO SET SW1 POSITION 5 TO ON. DO NOT WAVE SOLDER.  
P1 AND P2 MUST BE INSTALLED FLUSH AT RIGHT ANGLE TO PCB.

4. INSTALL (ITEM 47) PCB INTO (ITEM 67) J4.

3. SOLDER TAILS ON CIRCUIT SIDE OF POB FOR P1 AND P2 (ITEM 58) TO BE TRIMMED TO A MAXIMUM HEIGHT OF .045.

2. INK STAMP SERIAL NUMBER AND CURRENT REVISION ON COMPONENT SIDE APPROX. WHERE SHOWN.

1. REFERENCE SCHEMATIC 435086.

NOTES:

## ENGINEERING WIRE LIST

FROM	TO	CONDUCTOR TYPE, GAUGE, COLOR	PART NO.	WIRE LENGTH	REFERENCE
J200-A	E3	CABLE COAX, 75 OHM	500315	A/R	CH 00
602221-901	455520				
J200-B	E1	CABLE COAX, 75 OHM	500315	A/R	CH 01
602221-901	455520				
J200-C	E2	CABLE COAX, 75 OHM	500315	A/R	CH 02
602221-901	455520				
J200-D	E4	CABLE COAX, 75 OHM	500315	A/R	CH 03
602221-901	455520				
J200-E	E5	CABLE COAX, 75 OHM	500315	A/R	CH 04
602221-901	455520				
J200-F	E8	CABLE COAX, 75 OHM	500315	A/R	CH 10
602221-901	455520				
J200-H	E6	CABLE COAX, 75 OHM	500315	A/R	CH 11
602221-901	455520				
J200-J	E7	CABLE COAX, 75 OHM	500315	A/R	CH 12
602221-901	455520				
J200-K	E9	CABLE COAX, 75 OHM	500315	A/R	CH 13
602221-901	455520				
J200-L	E10	CABLE COAX, 75 OHM	500315	A/R	CH 14
602221-901	455520				
J200-M	E13	CABLE COAX, 75 OHM	500315	A/R	CH 20
602221-901	455520				
J200-N	E11	CABLE COAX, 75 OHM	500315	A/R	CH 21
602221-901	455520				
J200-P	E12	CABLE COAX, 75 OHM	500315	A/R	CH 22
602221-901	455520				
J200-R	E14	CABLE COAX, 75 OHM	500315	A/R	CH 23
602221-901	455520				
J200-S	E15	CABLE COAX, 75 OHM	500315	A/R	CH 24
602221-901	455520				
J200-T	E18	CABLE COAX, 75 OHM	500315	A/R	CH 30
602221-901	455520				
J200-U	E16	CABLE COAX, 75 OHM	500315	A/R	CH 31
602221-901	455520				
J200-V	E17	CABLE COAX, 75 OHM	500315	A/R	CH 32
602221-901	455520				
J200-W	E19	CABLE COAX, 75 OHM	500315	A/R	CH 33
602221-901	455520				
J200-X	E20	CABLE COAX, 75 OHM	500315	A/R	CH 34
602221-901	455520				
J201-A	E23	CABLE COAX, 75 OHM	500315	A/R	CH 40
602221-901	455520				
J201-B	E21	CABLE COAX, 75 OHM	500315	A/R	CH 41
602221-901	455520				
J201-C	E22	CABLE COAX, 75 OHM	500315	A/R	CH 42
602221-901	455520				
RACAL Instruments, Inc., 4 Goodyear St., Irvine, CA 92718					
DOCUMENT TITLE		SIZE	CODE NO.	DOCUMENT NO.	REV
PCB ASSY, 1260-75B		A	21793	405088-002	A
				DRN	SHEET 2 of 5

## ENGINEERING WIRE LIST

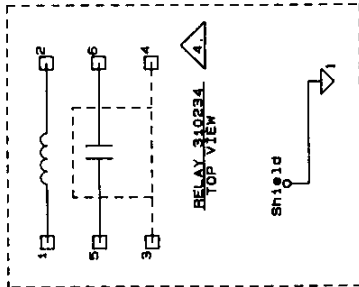
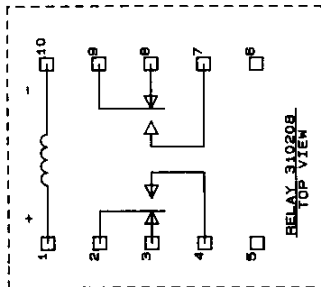
FROM	TO	CONDUCTOR TYPE, GAUGE, COLOR	PART NO.	WIRE LENGTH	REFERENCE
J201-D	E24	CABLE COAX, 75 OHM	500315	A/R	CH 43
602221-901	455520				
J201-E	E25	CABLE COAX, 75 OHM	500315	A/R	CH 44
602221-901	455520				
J201-F	E39	CABLE COAX, 75 OHM	500315	A/R	CH 50
602221-901	455520				
J201-H	E40	CABLE COAX, 75 OHM	500315	A/R	CH 51
602221-901	455520				
J201-J	E36	CABLE COAX, 75 OHM	500315	A/R	CH 52
602221-901	455520				
J201-K	E38	CABLE COAX, 75 OHM	500315	A/R	CH 53
602221-901	455520				
J201-L	E37	CABLE COAX, 75 OHM	500315	A/R	CH 54
602221-901	455520				
J201-M	E34	CABLE COAX, 75 OHM	500315	A/R	CH 60
602221-901	455520				
J201-N	E32	CABLE COAX, 75 OHM	500315	A/R	CH 61
602221-901	455520				
J201-P	E31	CABLE COAX, 75 OHM	500315	A/R	CH 62
602221-901	455520				
J201-R	E33	CABLE COAX, 75 OHM	500315	A/R	CH 63
602221-901	455520				
J201-S	E35	CABLE COAX, 75 OHM	500315	A/R	CH 64
602221-901	455520				
J201-T	E29	CABLE COAX, 75 OHM	500315	A/R	CH 70
602221-901	455520				
J201-U	E27	CABLE COAX, 75 OHM	500315	A/R	CH 71
602221-901	455520				
J201-V	E26	CABLE COAX, 75 OHM	500315	A/R	CH 72
602221-901	455520				
J201-W	E28	CABLE COAX, 75 OHM	500315	A/R	CH 73
602221-901	455520				
J201-X	E30	CABLE COAX, 75 OHM	500315	A/R	CH 74
602221-901	455520				
J202-A	E44	CABLE COAX, 75 OHM	500315	A/R	CH 80
602221-901	455520				
J202-B	E42	CABLE COAX, 75 OHM	500315	A/R	CH 81
602221-901	455520				
J202-C	E41	CABLE COAX, 75 OHM	500315	A/R	CH 82
602221-901	455520				
J202-D	E43	CABLE COAX, 75 OHM	500315	A/R	CH 83
602221-901	455520				
J202-E	E45	CABLE COAX, 75 OHM	500315	A/R	CH 84
602221-901	455520				
J202-F	E49	CABLE COAX, 75 OHM	500315	A/R	CH 90
602221-901	455520				
RACAL Instruments, Inc., 4 Goodyear St., Irvine, CA 92718					
DOCUMENT TITLE		SIZE	CODE NO.	DOCUMENT NO.	REV
PCB ASSY, 1260-75B		A	21793	405088-002	A
				DRN	SHEET 3 of 5

## ENGINEERING WIRE LIST

FROM	TO	CONDUCTOR TYPE, GAUGE, COLOR	PART NO.	WIRE LENGTH	REFERENCE
J202-H	E47	CABLE, COAX, 75 OHM	500315	A/R	CH 91
602221-901	455520				
J202-I	E46	CABLE, COAX, 75 OHM	500315	A/R	CH 92
602221-901	455520				
J202-K	E48	CABLE, COAX, 75 OHM	500315	A/R	CH 93
602221-901	455520				
J202-L	E50	CABLE, COAX, 75 OHM	500315	A/R	CH 94
602221-901	455520				
J202-M	E43	CABLE, COAX, 75 OHM	500315	A/R	CH 100
602221-901	455520				
J202-N	E51	CABLE, COAX, 75 OHM	500315	A/R	CH 101
602221-901	455520				
J202-P	E52	CABLE, COAX, 75 OHM	500315	A/R	CH 102
602221-901	455520				
J202-R	E54	CABLE, COAX, 75 OHM	500315	A/R	CH 103
602221-901	455520				
J202-S	E55	CABLE, COAX, 75 OHM	500315	A/R	CH 104
602221-901	455520				
J202-T	E58	CABLE, COAX, 75 OHM	500315	A/R	CH 110
602221-901	455520				
J202-U	E56	CABLE, COAX, 75 OHM	500315	A/R	CH 111
602221-901	455520				
J202-V	E57	CABLE, COAX, 75 OHM	500315	A/R	CH 112
602221-901	455520				
J202-W	E59	CABLE, COAX, 75 OHM	500315	A/R	CH 113
602221-901	455520				
J202-X	E60	CABLE, COAX, 75 OHM	500315	A/R	CH 114
602221-901	455520				
J203-A	E63	CABLE, COAX, 75 OHM	500315	A/R	CH 120
602221-901	455520				
J203-B	E61	CABLE, COAX, 75 OHM	500315	A/R	CH 121
602221-901	455520				
J203-C	E62	CABLE, COAX, 75 OHM	500315	A/R	CH 122
602221-901	455520				
J203-D	E64	CABLE, COAX, 75 OHM	500315	A/R	CH 123
602221-901	455520				
J203-E	E65	CABLE, COAX, 75 OHM	500315	A/R	CH 124
602221-901	455520				
J203-F	E68	CABLE, COAX, 75 OHM	500315	A/R	CH 130
602221-901	455520				
J203-H	E66	CABLE, COAX, 75 OHM	500315	A/R	CH 131
602221-901	455520				
J203-J	E67	CABLE, COAX, 75 OHM	500315	A/R	CH 132
602221-901	455520				
J203-K	E69	CABLE, COAX, 75 OHM	500315	A/R	CH 133
602221-901	455520				
RACAL Instruments, Inc., 4 Goodyear St., Irvine, CA 92718					
DOCUMENT TITLE		SIZE	CODE NO.	DOCUMENT NO.	REV
PCB ASSY, 1260-75B		A	21793	405088-002	A
				DRN	SHEET 4 of 5

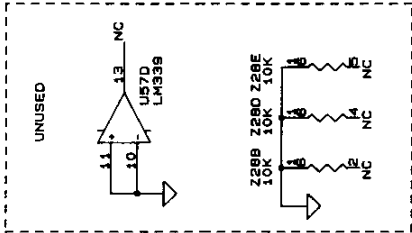
## ENGINEERING WIRE LIST

FROM	TO	CONDUCTOR TYPE, GAUGE, COLOR	PART NO.	WIRE LENGTH	REFERENCE
J203-L	E70	CABLE, COAX, 75 OHM	500315	A/R	CH 134
602221-901	455520				
J203-M	E73	CABLE, COAX, 75 OHM	500315	A/R	CH 140
602221-901	455520				
J203-N	E71	CABLE, COAX, 75 OHM	500315	A/R	CH 141
602221-901	455520				
J203-P	E72	CABLE, COAX, 75 OHM	500315	A/R	CH 142
602221-901	455520				
J203-R	E74	CABLE, COAX, 75 OHM	500315	A/R	CH 143
602221-901	455520				
J203-S	E75	CABLE, COAX, 75 OHM	500315	A/R	CH 144
602221-901	455520				
J203-T	E78	CABLE, COAX, 75 OHM	500315	A/R	CH 150
602221-901	455520				
J203-U	E76	CABLE, COAX, 75 OHM	500315	A/R	CH 151
602221-901	455520				
J203-V	E77	CABLE, COAX, 75 OHM	500315	A/R	CH 152
602221-901	455520				
J203-W	E79	CABLE, COAX, 75 OHM	500315	A/R	CH 153
602221-901	455520				
J203-X	E80	CABLE, COAX, 75 OHM	500315	A/R	CH 154
602221-901	455520				
RACAL Instruments, Inc., 4 Goodyear St., Irvine, CA 92718					
DOCUMENT TITLE		SIZE	CODE NO.	DOCUMENT NO.	REV
PCB ASSY, 1260-75B		A	21793	405088-002	A
				DRN	SHEET 5 of 5



228
W1
U77
TP2
SW3
P2
L5
K97
J203
E80
C176
HIGHEST REF. DES.

U76	231154 (22V10H)	28	14
U75	26LS31	16	8
U73, 74	26LS32	16	8
U71, 72, 77	74HCT253	16	8
U70	231152-001 (16L80)	20	10
U67	LH339	3	12
U66	74HCT85	16	8
U64, 65	74LS138	16	8
U63	231153 (16R4)	20	10
U4, 8, 12, 16, 20, 24, 28	74HCT166	16	8
U32, 36, 40, 44, 48, 60			
U3, 7, 11, 15, 19, 23	2803	NC	9
U27, 31, 35, 39, 43, 47			
U2, 6, 10, 14, 18, 22	74HCT273	20	10
U26, 30, 34, 38, 42, 46			
U1, 5, 9, 13, 17, 21, 25, 29	74HCT164	14	7
U33, 37, 41, 45, 49, 62			
REF. DES.	IC TYPE	+5V PIN NO.	GND PIN NO.
IC POWER AND GROUND CONNECTIONS			



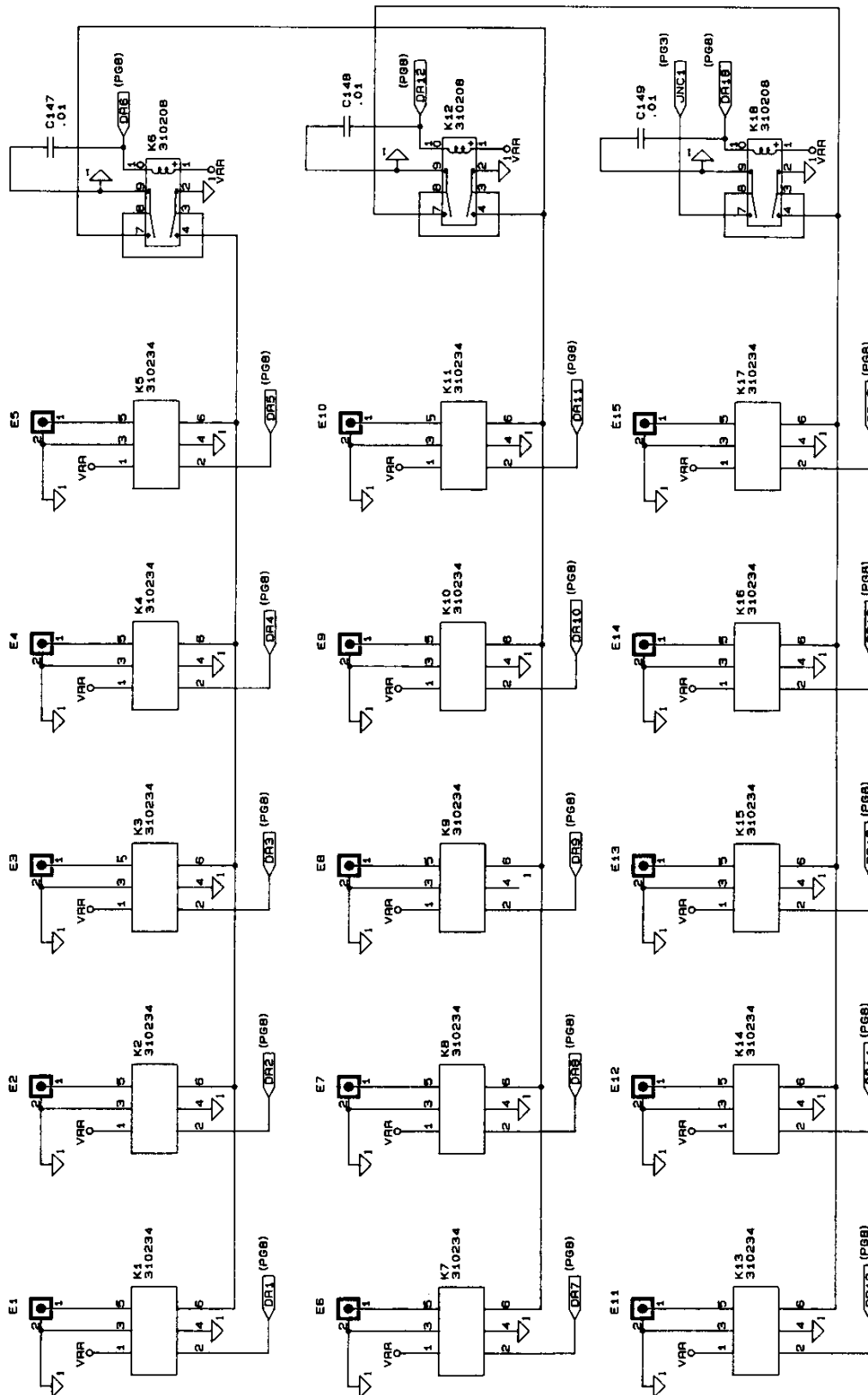
6. PARTS INSTALLED FOR 405088-002 ONLY.  
PARTS NOT INSTALLED FOR 405088-001.
5. CS AND C6 ARE NOT INSTALLED.
4. RELAYS RACAL P/N 310234.  
RELAYS ELECTROSTATIC SHIELDS (PIN 3, 4) TIED TO SIGNAL GROUND.
3. ALL RELAYS SHOWN IN DE-ENERGIZED POSITION.
2. RESISTOR NETWORKS ARE IN OHMS. +/-2%.
1. CAPACITOR VALUES ARE IN MICROFARADS. 50V. +/-20% UNLESS OTHERWISE SPECIFIED.

NOTES: UNLESS OTHERWISE SPECIFIED

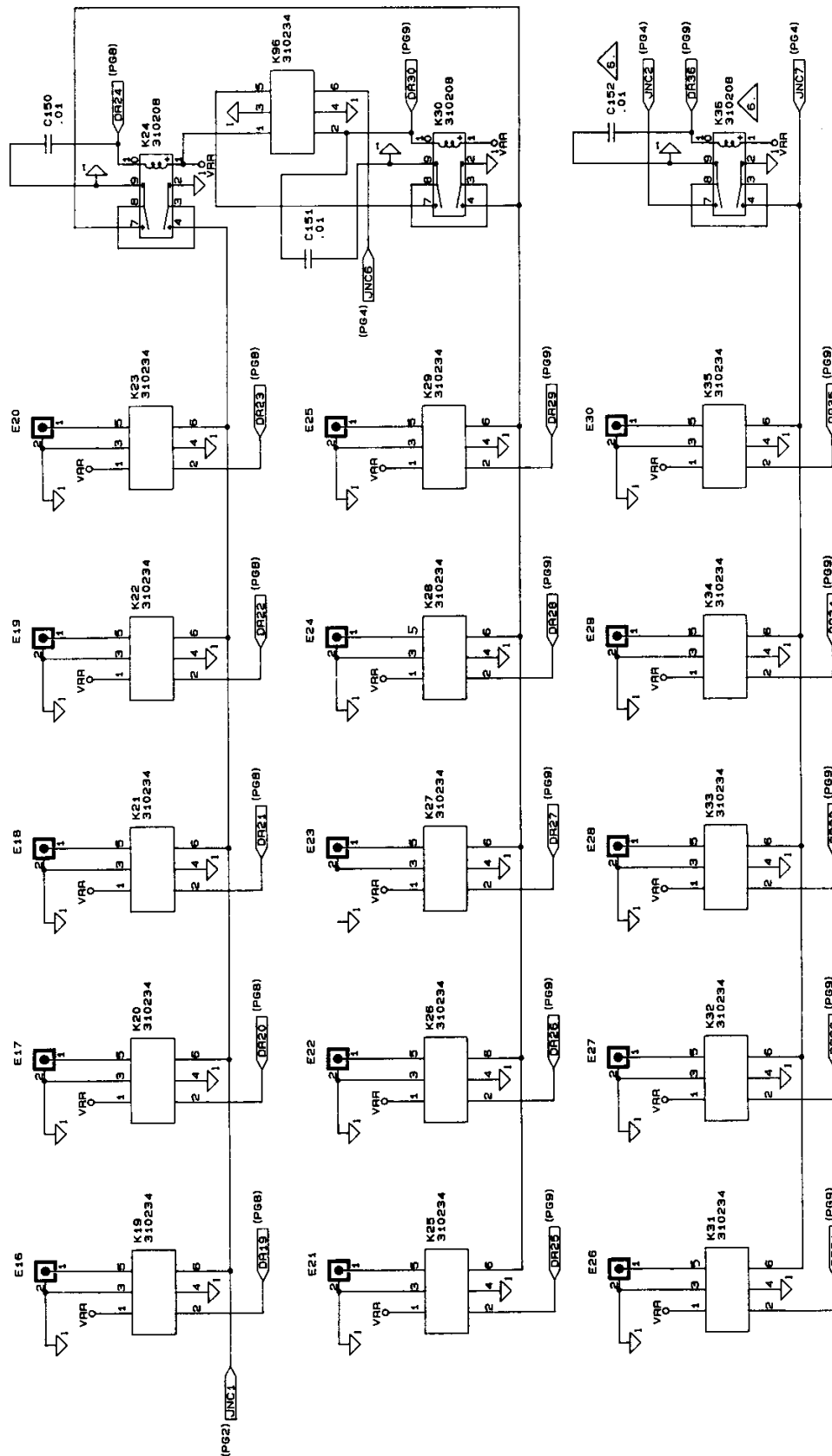
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DOCUMENT TITLE			
SCHEMATIC, 1260-75			
SIZE	CODE IDENT NO	DOCUMENT NO	REV
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SCALE		SHEET 1	OF 17

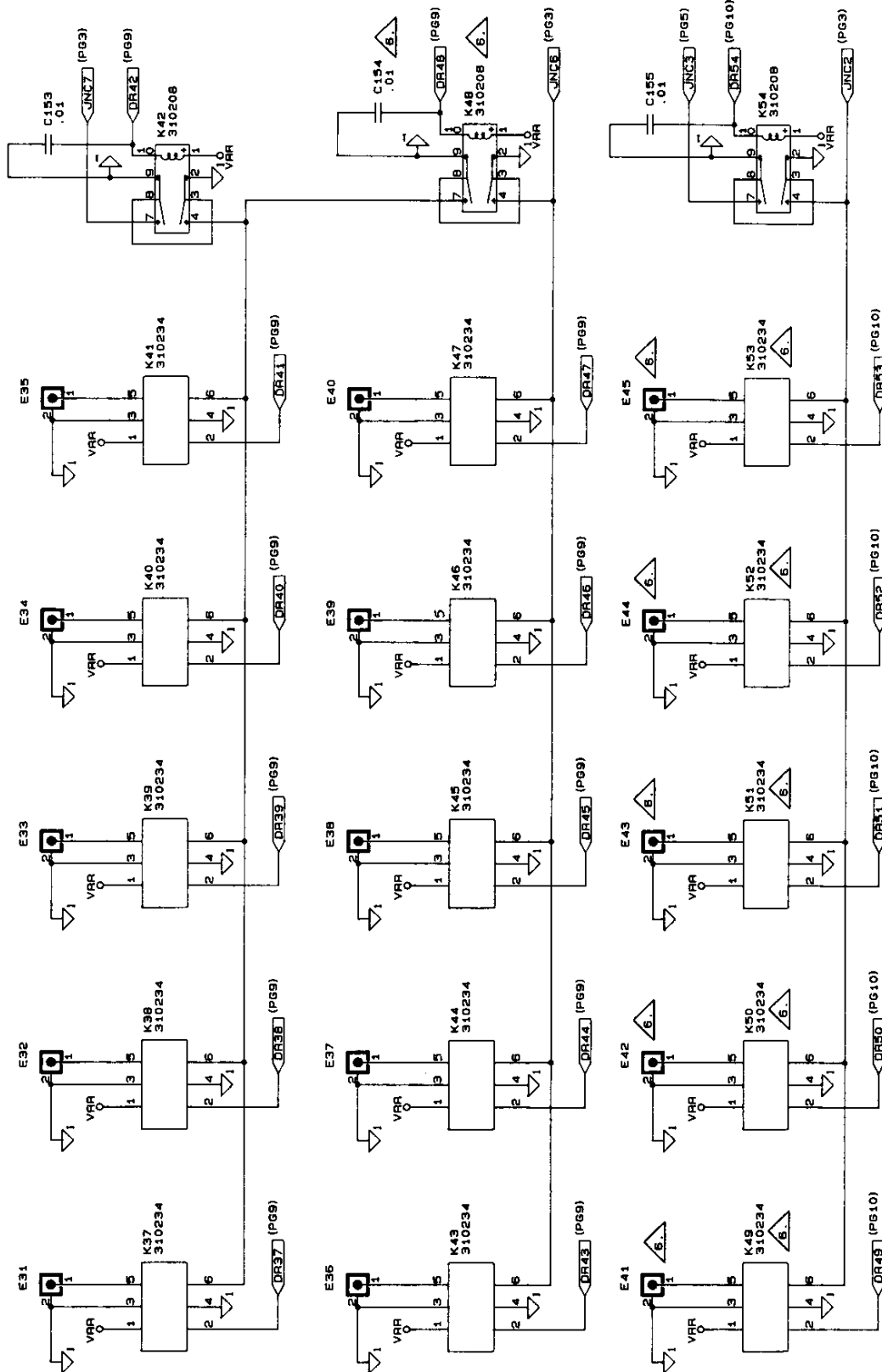


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SCALE _____		SHEET 2 OF 17	

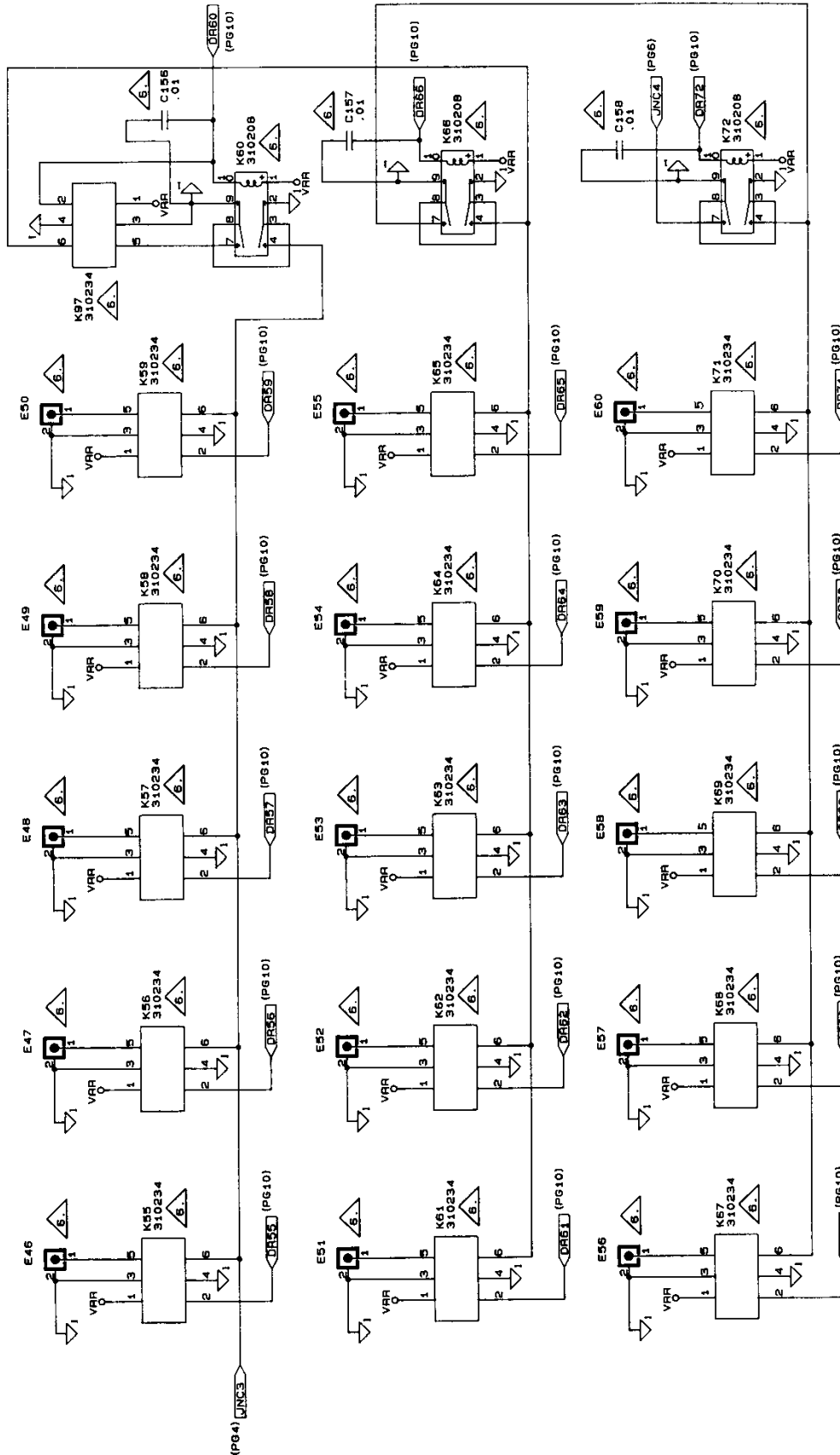


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SCALE	SHEET 3 OF 17
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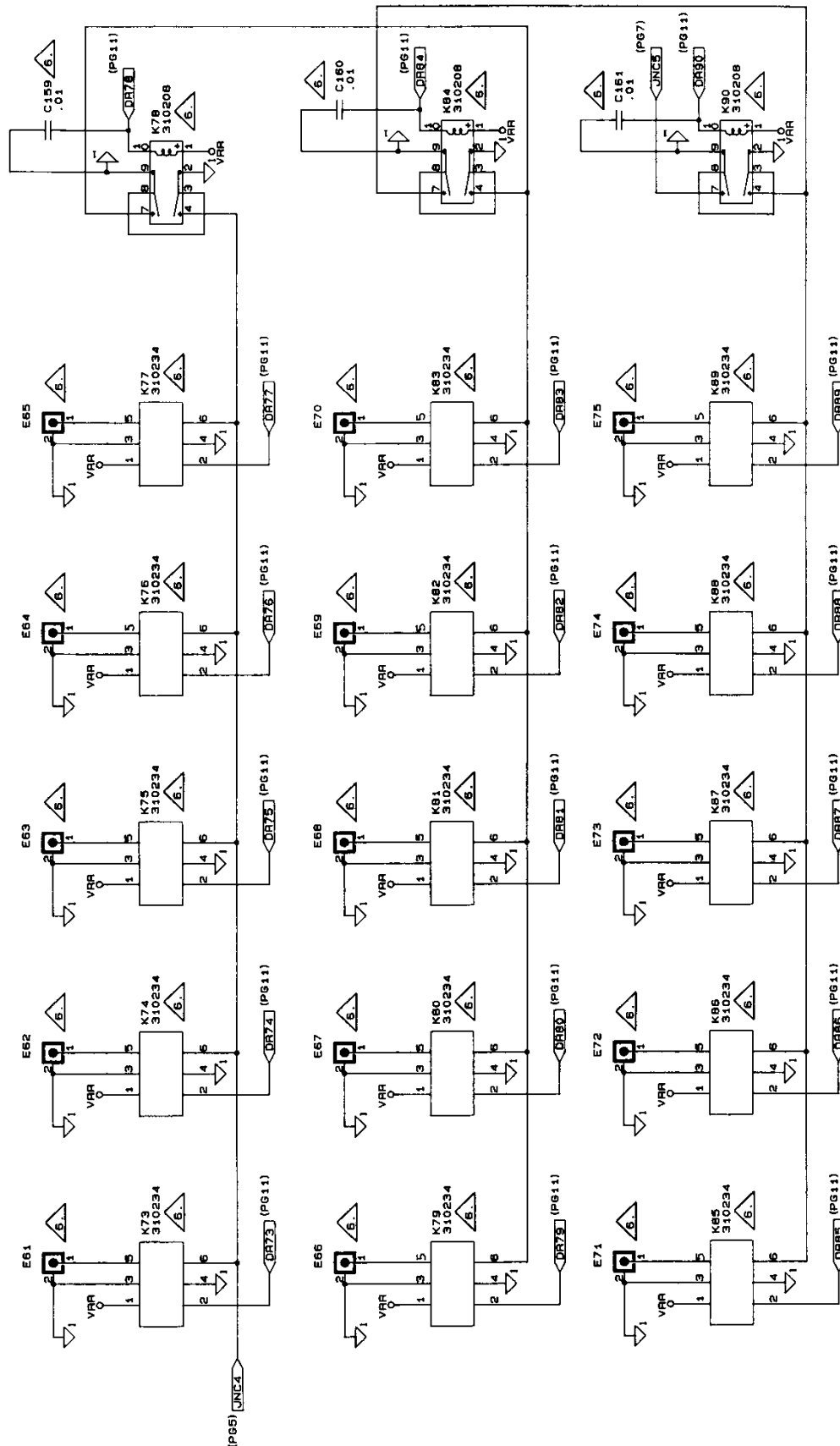


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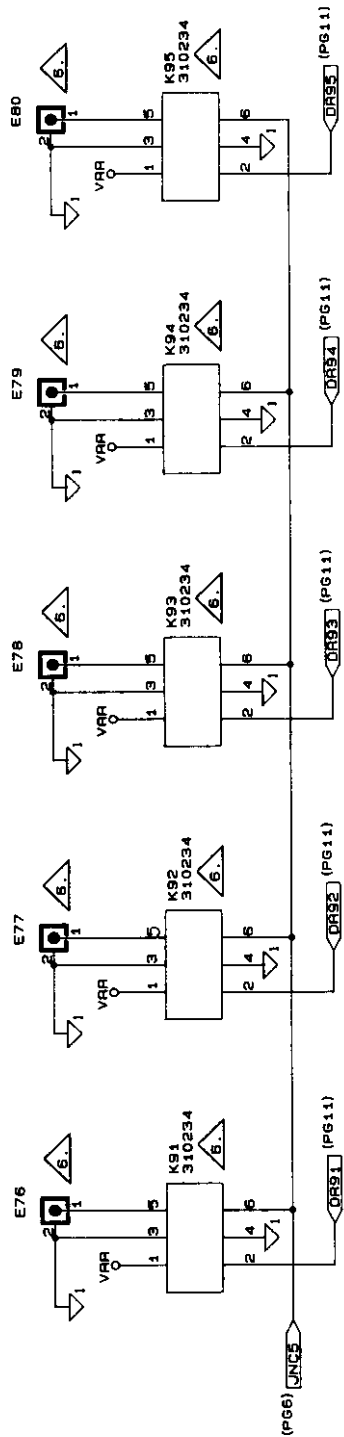
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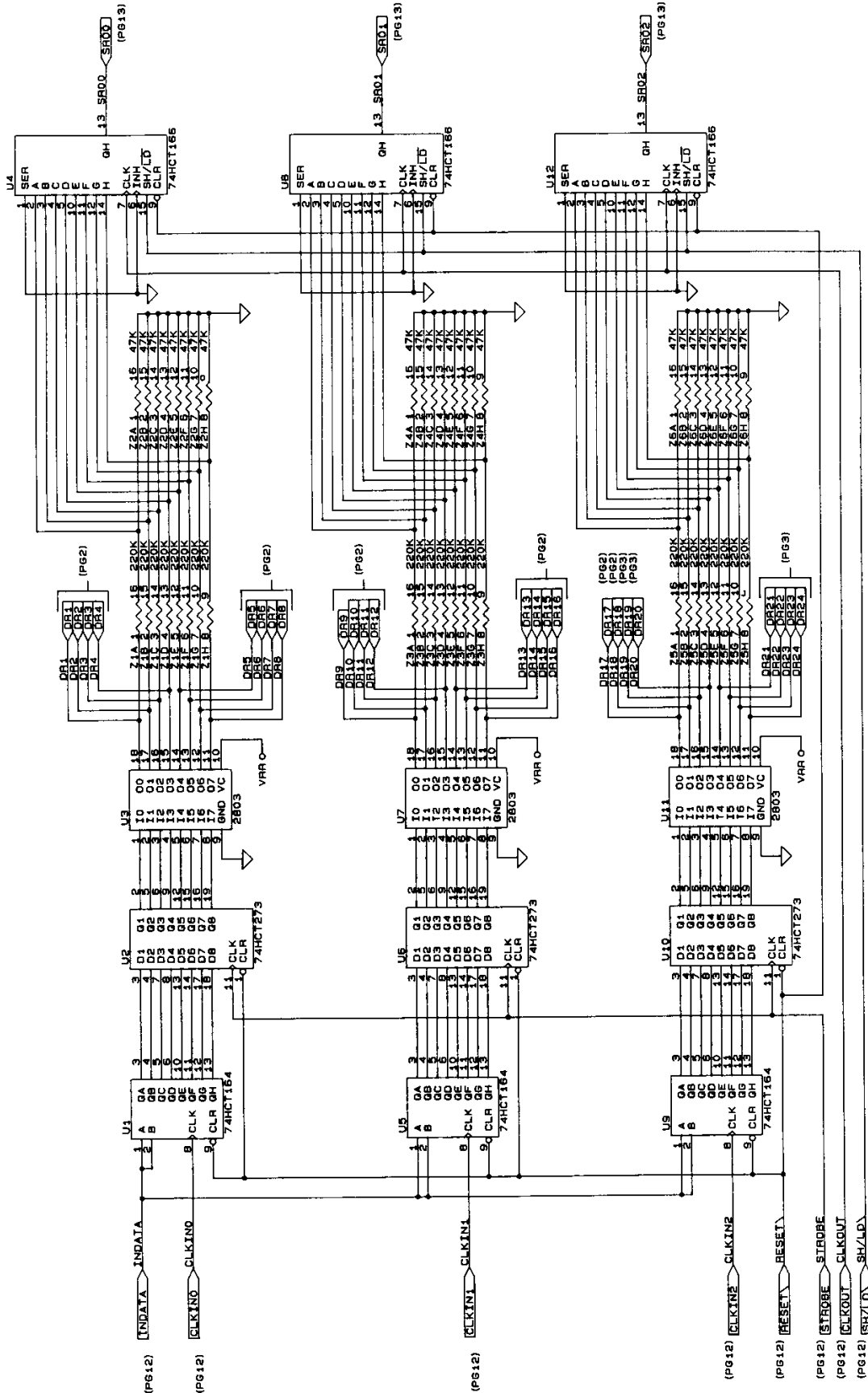


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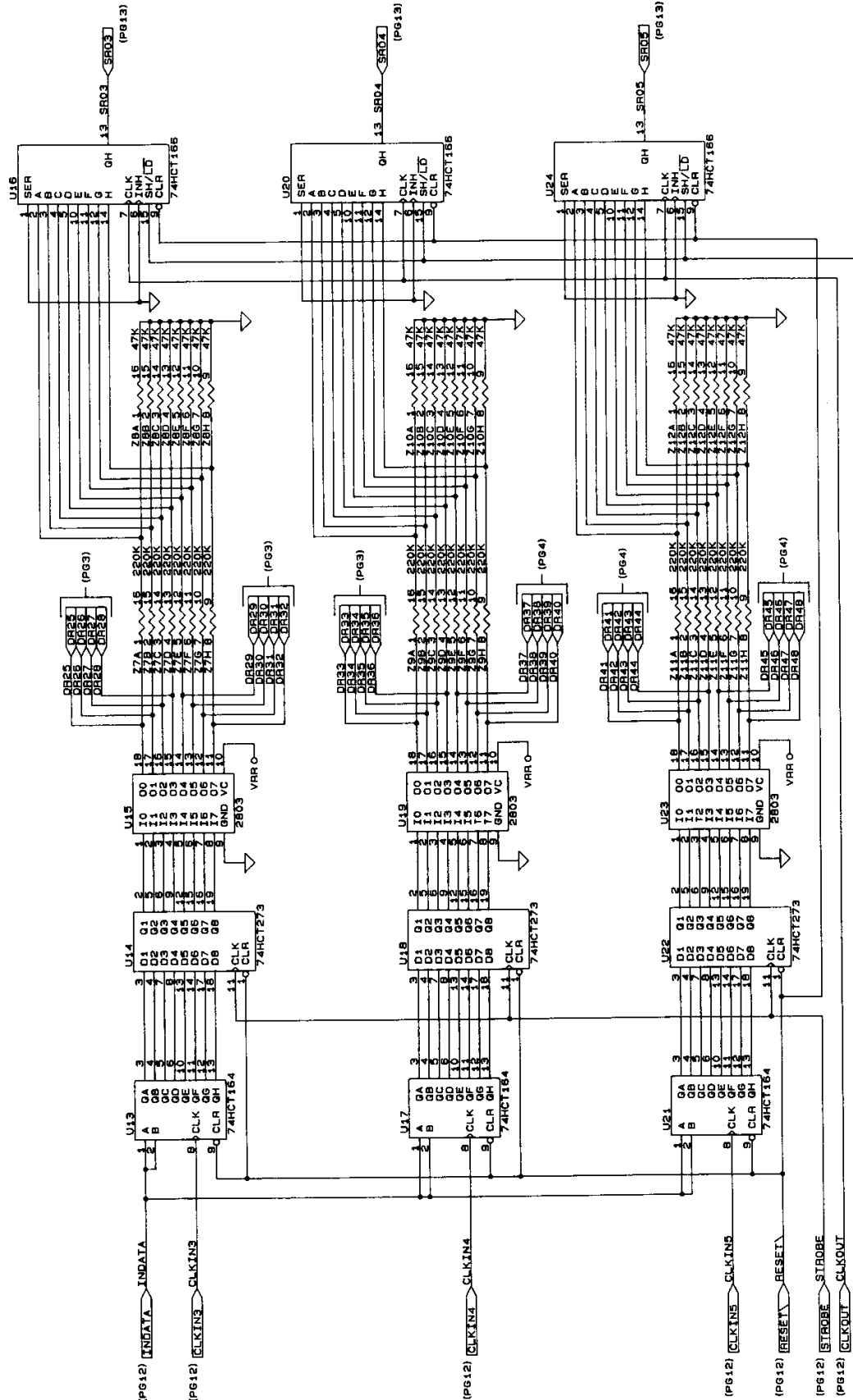
SCALE \_\_\_\_\_ SHEET 6 OF 17



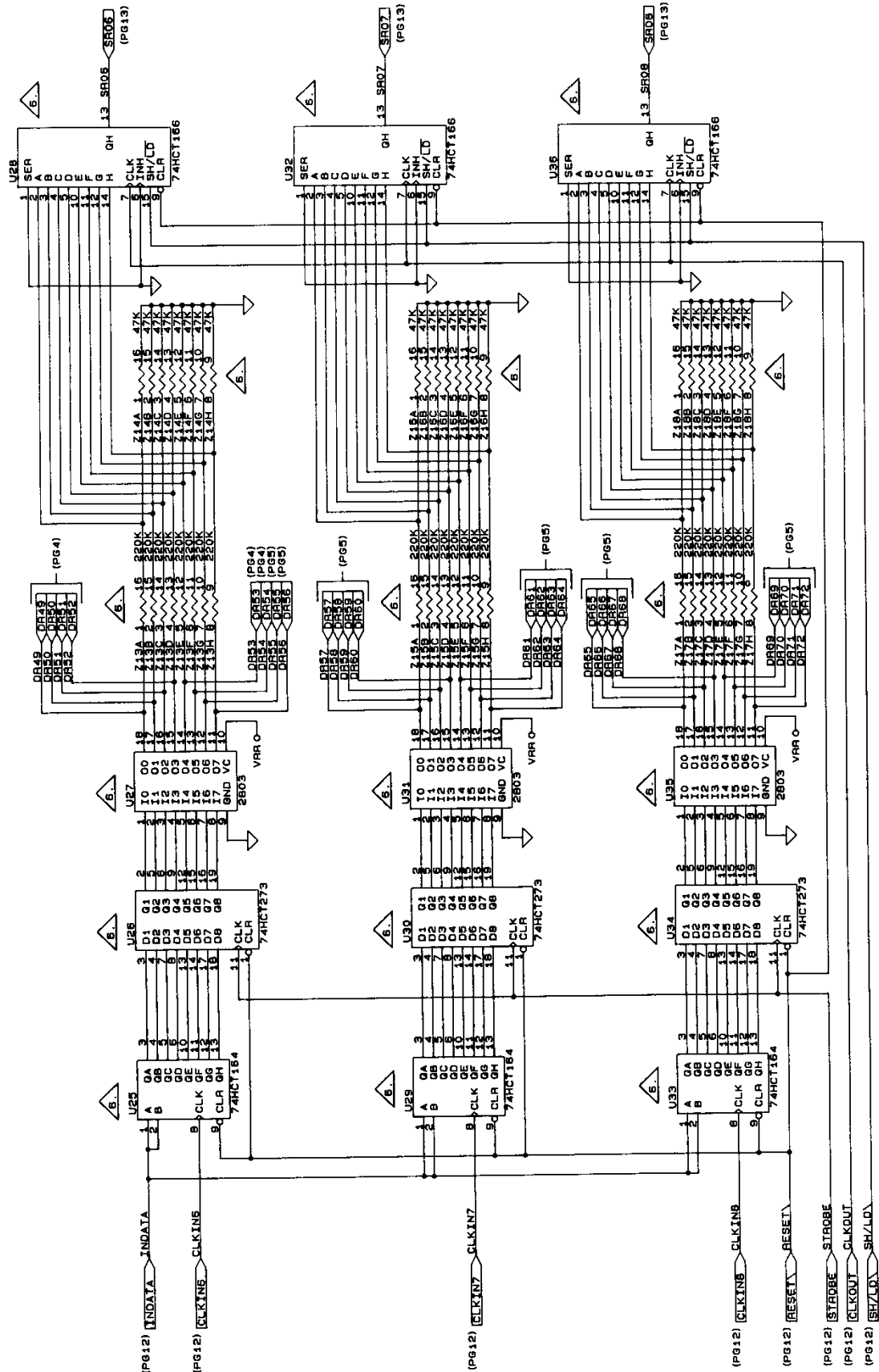
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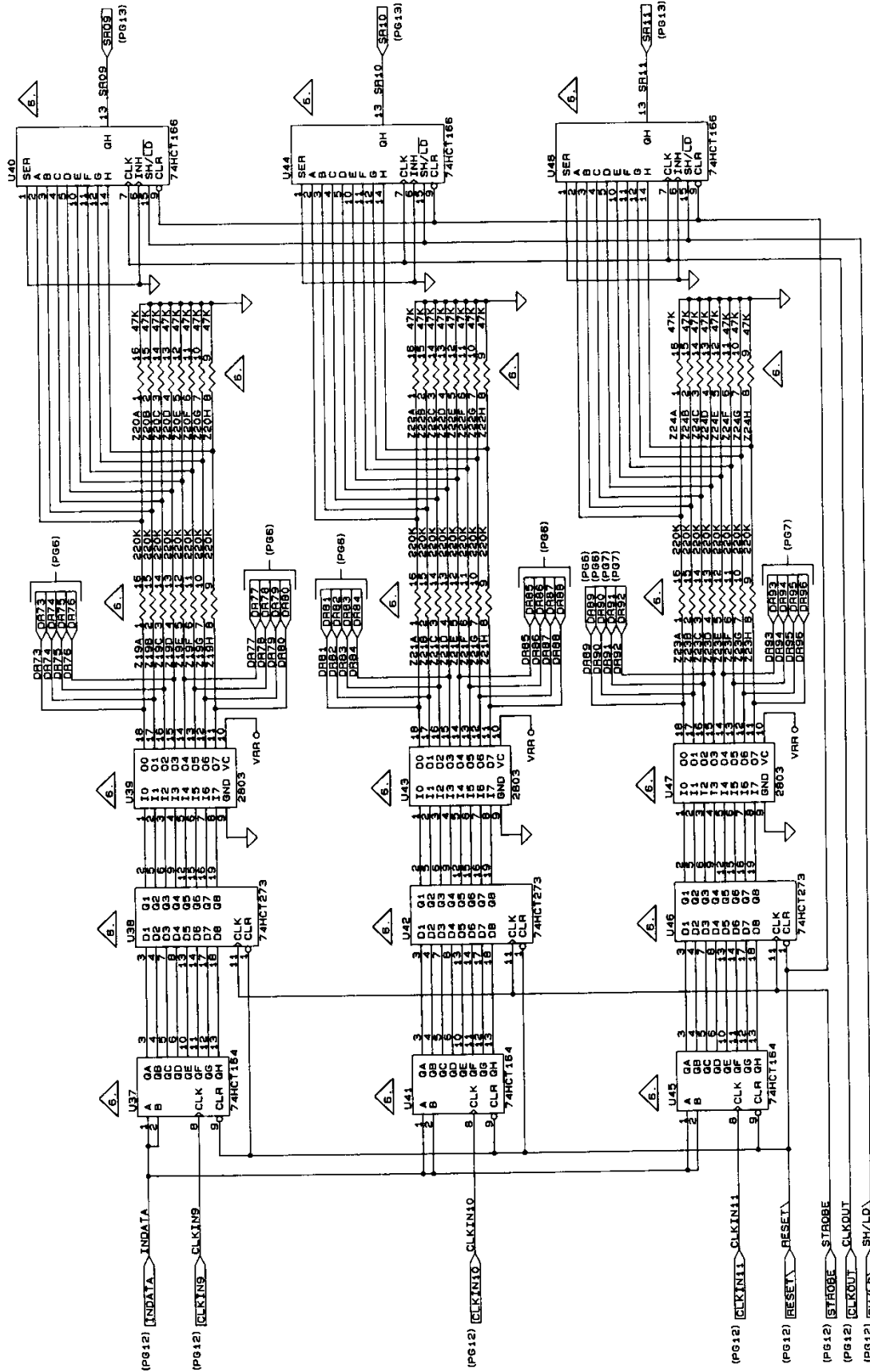
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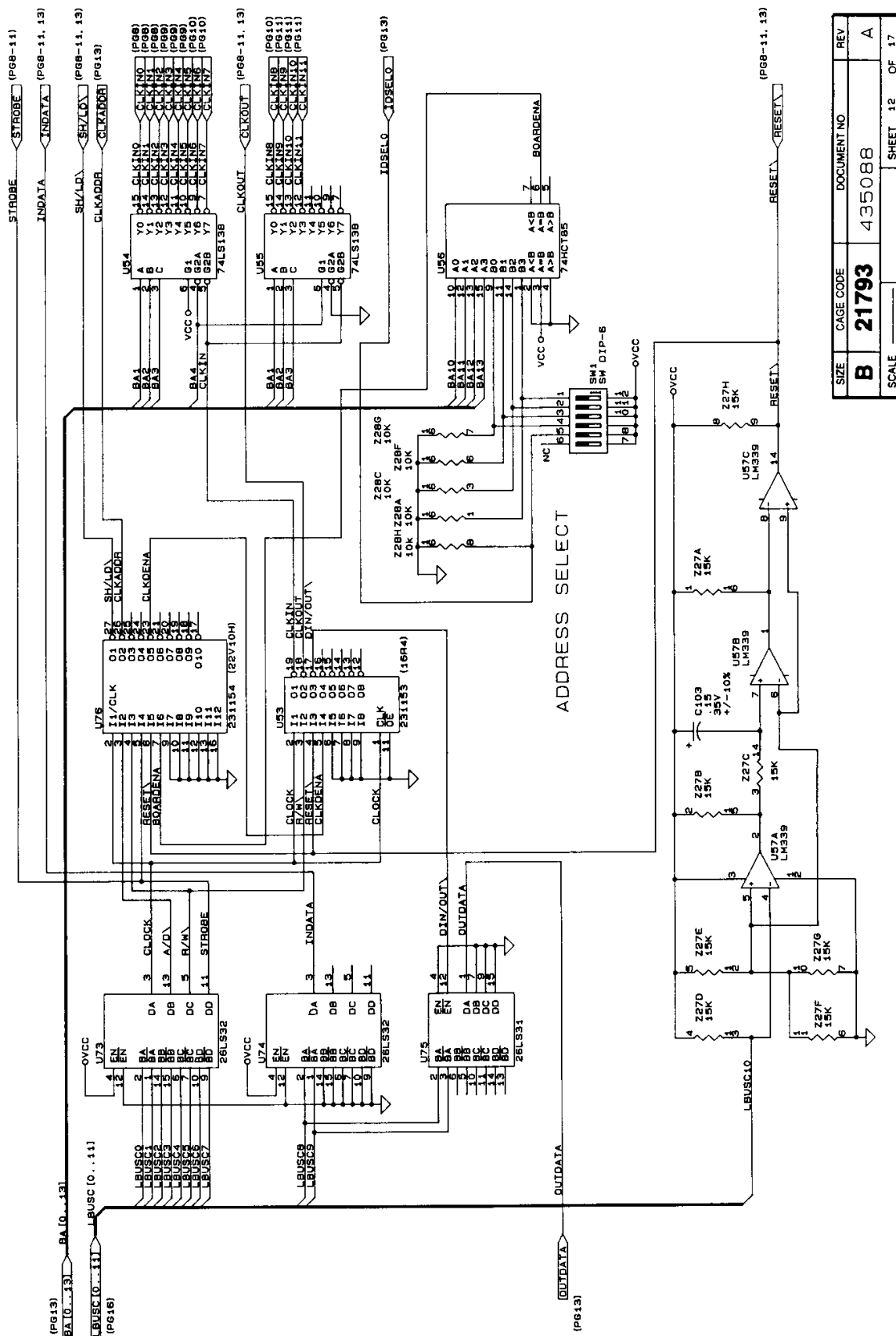
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SIZE	CAGE CODE	DOCUMENT NO	REV.
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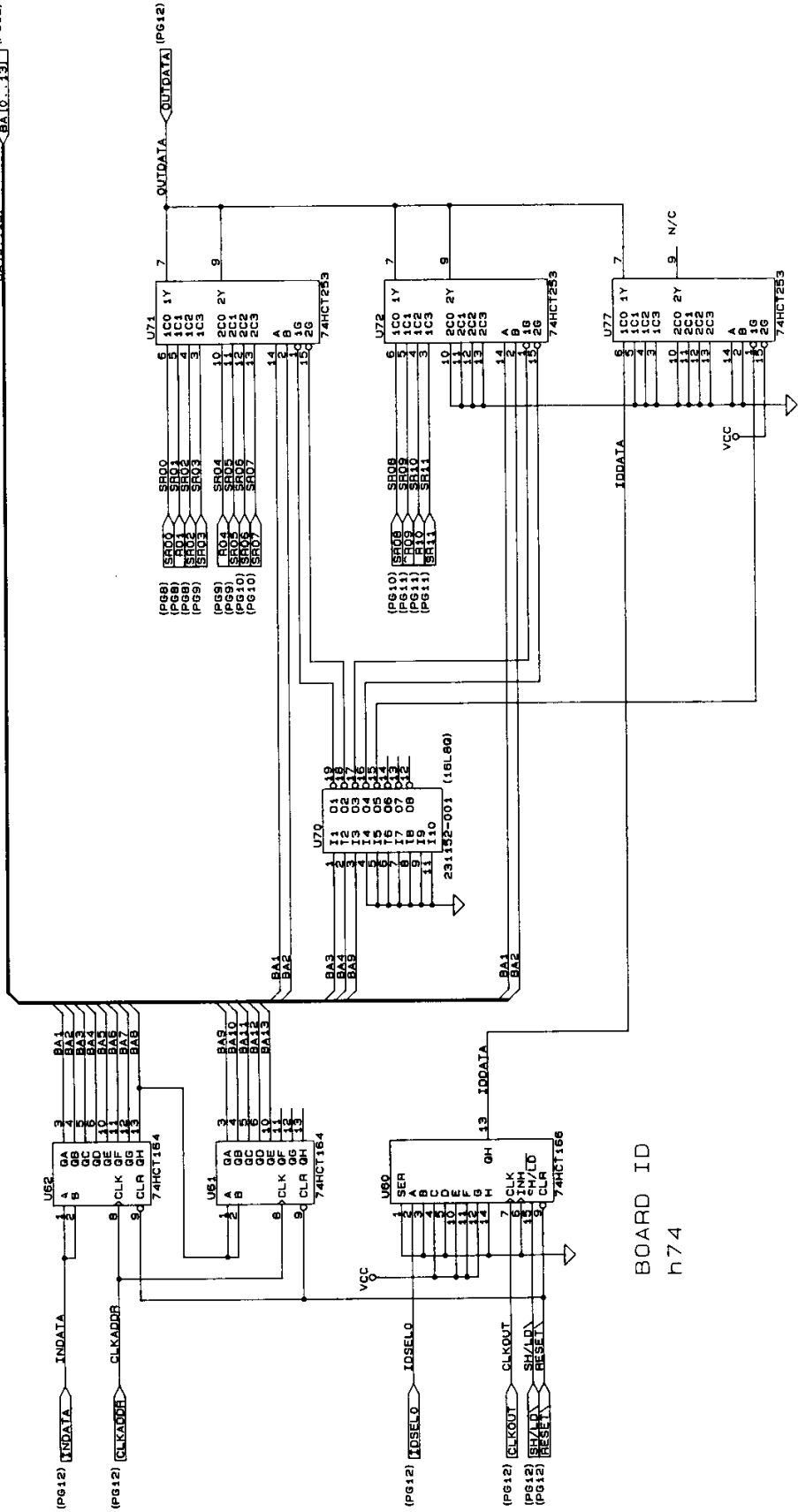
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B	21793	435088	A
SCALE		SHEET 11	OF 17



SIZE	CAGE CODE	DOCUMENT NO	REV
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SCALE \_\_\_\_\_ SHEET 12 OF 17

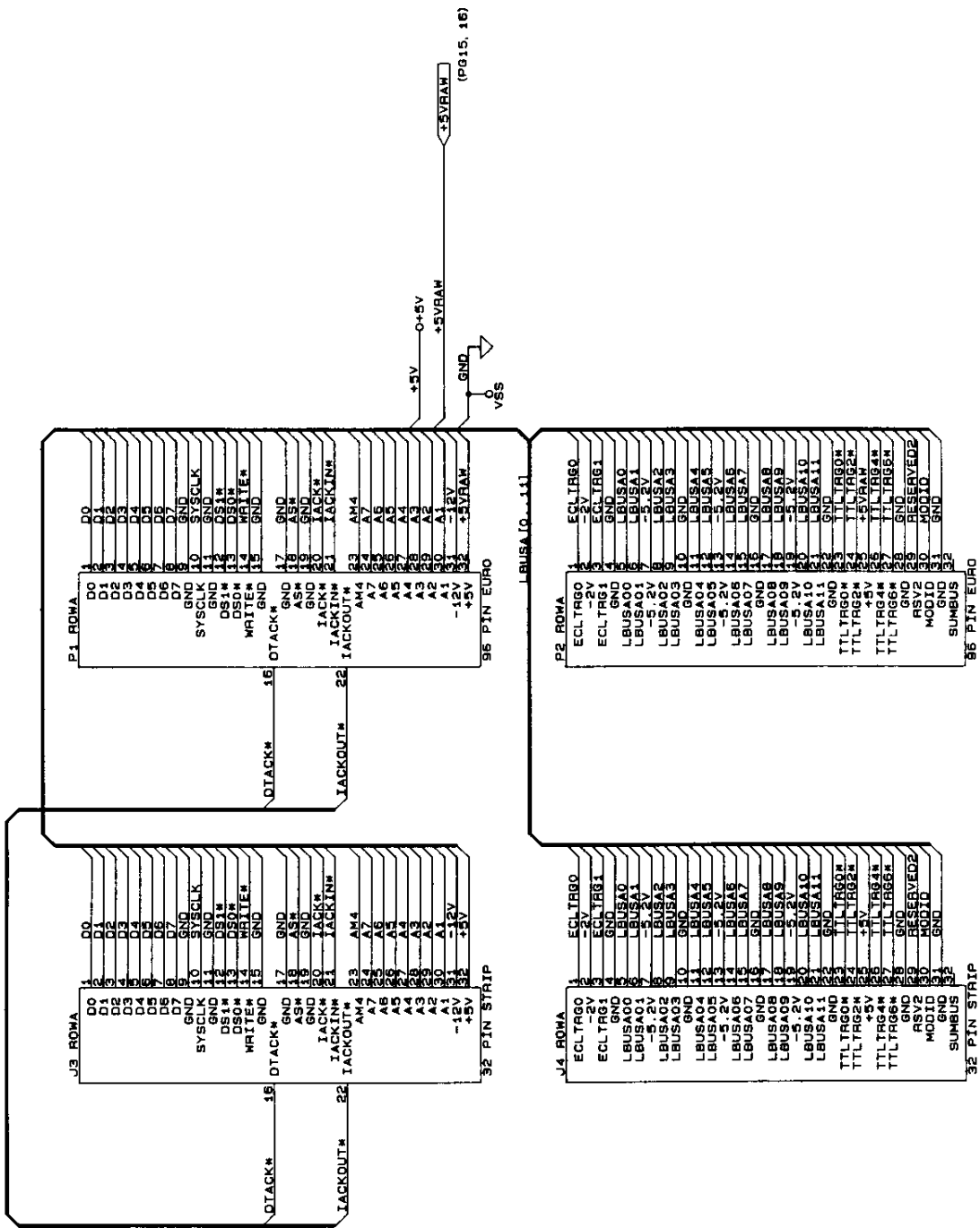
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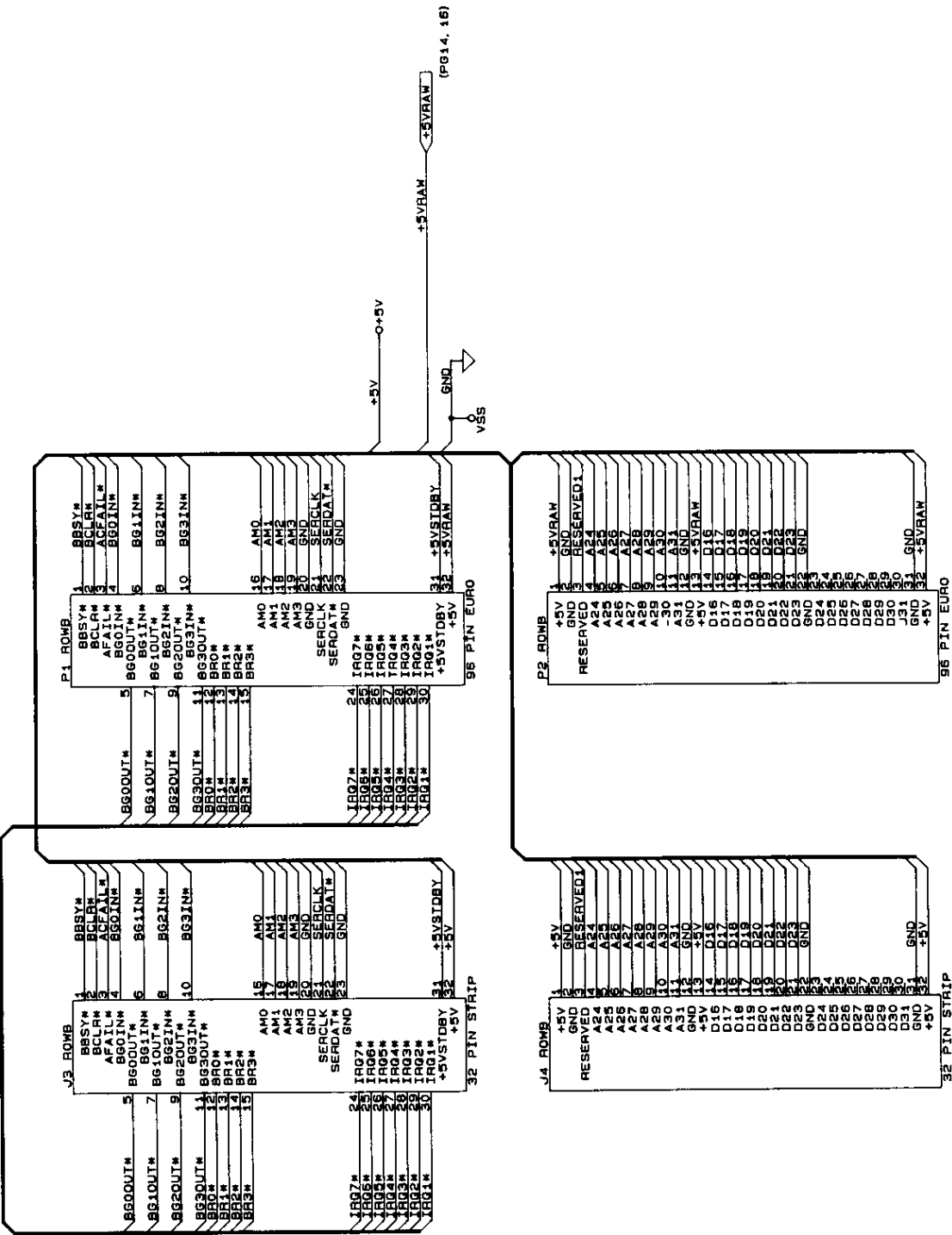
BOARD ID  
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SIZE	CAGE CODE	DOCUMENT NO.	REV.
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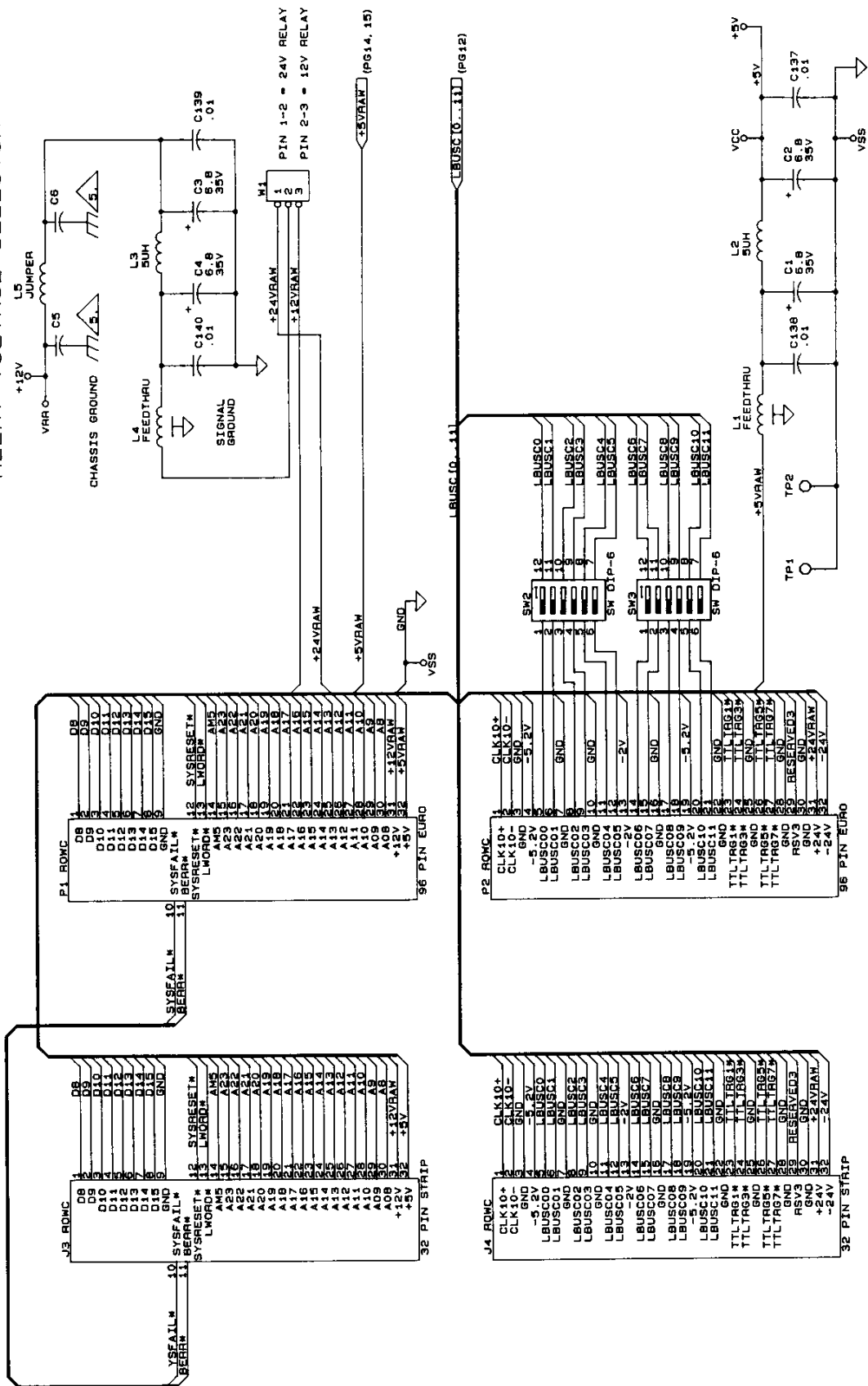


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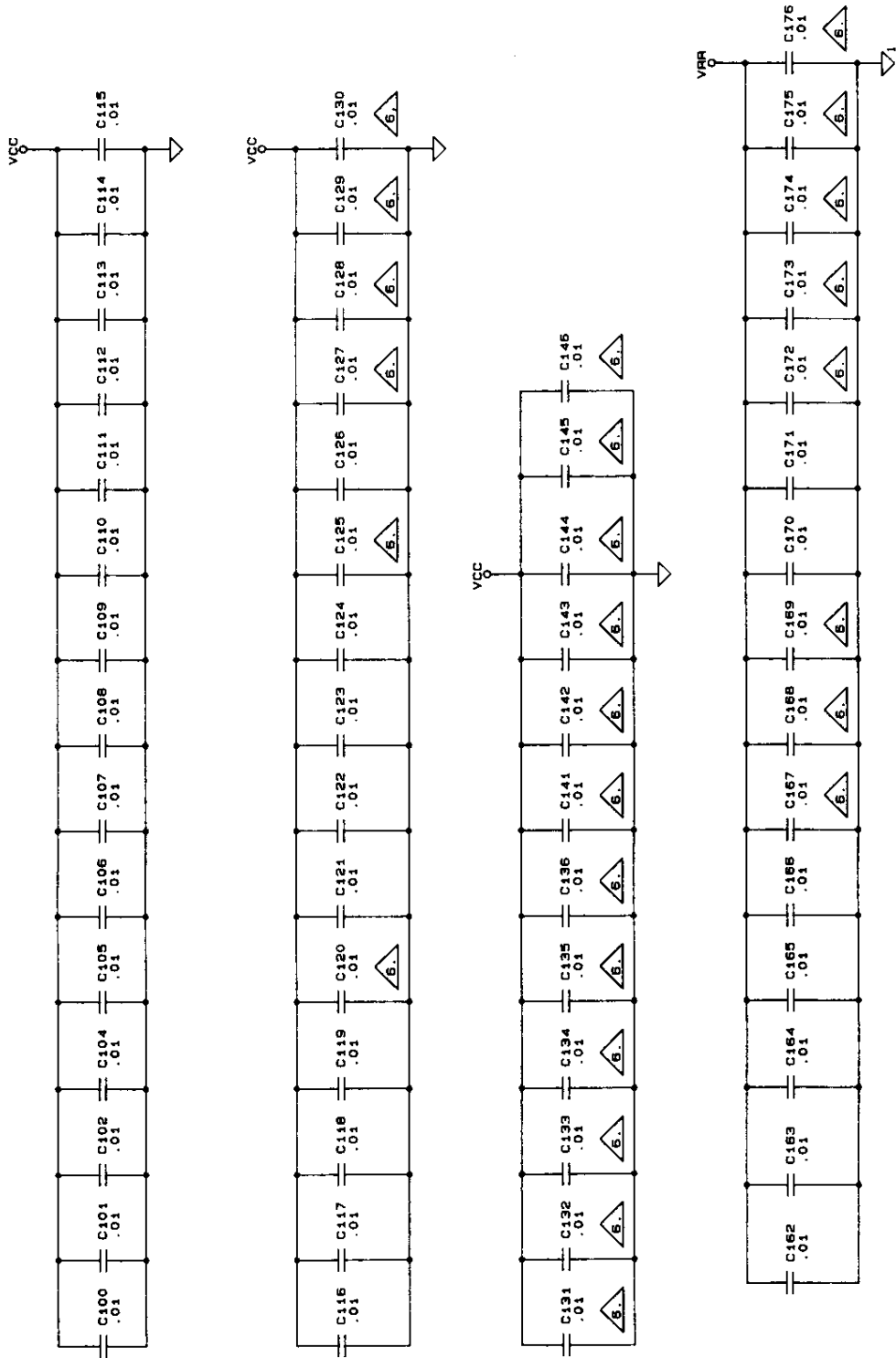


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RELAY VOLTAGE SELECTOR



SIZE	CAGE CODE	DOCUMENT NO	REV.
B	21793	435088	A
SCALE		SHEET 16	OF 17



SIZE	CAGE CODE	DOCUMENT NO	REV
B	21793	435088	A
SCALE		SHEET 17	OF 17

**Chapter 5**  
**PARTS LIST**

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## User Manual 1260-75

407354-001 - 1260-75A, 75 OHM MUX8 1X4

REF DESIG	RACAL INST P/N	DESCRIPTION	FSC	MANUFACTURER'S P/N
{1}1	405088-001	PCB ASSY., 1260-75A	21793	405088-001
{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	407351-001	SHIP KIT, 1260-75A	21793	407351-001

407354-002 - 1260-75B, 75 OHM MUX 16 1X4

REF DESIG	RACAL INST P/N	DESCRIPTION	FSC	MANUFACTURER'S P/N
{1}1	405088-002	PCB ASSY, 1260-75B	21793	405088-002
{3}1	455779-003	PANEL, SIDE, LEFT	21793	455779-003
{4}1	455781	PANEL, REAR, SINGLE	21793	455781
{5}1	455784-001	PANEL, VXI TOP	21793	455784-001
{6}1	455784-002	PANEL, VXI BOTTOM	21793	455784-002
{7}1	455901	PANEL, RIGHT SIDE	21793	455901
{9}32	615539	SCREW, PFH, 4-40X. 125	-	-
{10}8	616480	SCREW, PFH, 4-40 X .375	-	-
{12}A/R	920962	LOCTITE, 242, MED STR.	05972	1272
{14}1	921059	LABEL, CAUTION, STATIC	21793	921059
{22}1	921309	LABEL, VXI SWITCH ID	21793	921309
{24}1	407351-002	SHIP KIT, 1260-75B	21793	407351-002

## 407351-001 - SHIPPING KIT 1260-75A

REF	RACAL INST		FSC	MANUFACTURER'S P/N
DESIG	P/N	DESCRIPTION		
{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	980673-025	MANUAL, 1260-75 MODULE	21793	980673-025

## 407351-002 - SHIPPING KT, 1260-75B

REF	RACAL INST		FSC	MANUFACTURER'S P/N
DESIG	P/N	DESCRIPTION		
{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	980673-025	MANUAL, 1260-75 MODULE	21793	980673-025



# User Manual 1260-75

405088-001 - PCB ASSY, 1260-75A

REF DESIG	RACAL INST P/N	DESCRIPTION	FSC	MANUFACTURER'S P/N
IC1-C4	1110126	CAP, TANTA, 6.8UF, 35V, 20 PERCENT	105397	T355F685M035A5
IC100-102	1R-21-1801	CAP, CHIP, 10 NF	195275	VJ1206Y103MF
IC103	1110165	CAP, TANTA, .15 MF, 35V, 10PCT	105397	T355A154K035AS
IC104-119	1R-21-1801	CAP, CHIP, 10 NF	195275	VJ1206Y103MF
IC121-124	1R-21-1801	CAP, CHIP, 10 NF	195275	VJ1206Y103MF
IC126	1R-21-1801	CAP, CHIP, 10 NF	195275	VJ1206Y103MF
IC147-151	1R-21-1801	CAP, CHIP, 10 NF	195275	VJ1206Y103MF
IC153	1R-21-1801	CAP, CHIP, 10 NF	195275	VJ1206Y103MF
IC154	1R-21-1801	CAP, CHIP, 10 NF	195275	VJ1206Y103MF
IC162-166	1R-21-1801	CAP, CHIP, 10 NF	195275	VJ1206Y103MF
IC170	1R-21-1801	CAP, CHIP, 10 NF	195275	VJ1206Y103MF
IC171	1R-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	CHOKES, SHIELDED, 5UH	191637	1IH-5-5-10
IL3	1310193	CHOKES, 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
IU15	1231098	IC, SOIC TRANSISTOR	156289	1ULN-2803LW
IU16	1231120	IC, 8-BIT, PARALLEL/SERIAL OUT S.R.	118324	174HCT166D
IU17	1231131	IC, DIGITAL, SHIFT REGISTER	118324	1PC74HCT164D

405088-001 - PCB ASSY, 1260-75A

REF DESIG	RACAL P/N	INST	DESCRIPTION	FSC	MANUFACTURER'S P/N
U18	231130		IC, DIGITAL, FLIP FLOP	18324	PC74HC273
U19	231098		IC, SOIC TRANSISTOR	56289	ULN-2803LW
U20	231120		IC, 8-BIT, PARALLEL/SERIAL OUT S.R.	18324	74HCT166D
U21	231131		IC, DIGITAL, SHIFT REGISTER	18324	PC74HCT164D
U22	231130		IC, DIGITAL, FLIP FLOP	18324	PC74HC273
U23	231098		IC, SOIC TRANSISTOR	56289	ULN-2803LW
U24	231120		IC, 8-BIT, PARALLEL/SERIAL OUT S.R.	18324	74HCT166D
U53	231153		IC, PROGRAMMED PLA	21793	231153
U54	231094		IC, DEMUX DECODER	18324	N74LS138D
U55	231094		IC, DEMUX DECODER	18324	N74LS138D
U56	231135		IC, DIGITAL, 4-BIT COMPARATOR	18324	PC74HCT85D
U57	231093		IC, QUAD COMPARATOR	04713	LM339D
U60	231120		IC, 8-BIT, PARALLEL/SERIAL OUT S.R.	18324	74HCT166D
U61	231131		IC, DIGITAL, SHIFT REGISTER	18324	PC74HCT164D
U62	231131		IC, DIGITAL, SHIFT REGISTER	18324	PC74HCT164D
U70	231152-001		IC, DIGITAL 16L8, PAL	21793	231152-001
U71	231147		IC, MULTIPLEXER	04713	74HC253D
U72	231147		IC, MULTIPLEXER	04713	74HC253D
U73	231096		IC, QUAD DIFF RECEIVER	01295	AM26LS32ACD
U74	231096		IC, QUAD DIFF RECEIVER	01295	AM26LS32ACD
U75	231125		IC, DIGITAL, LINE DRIVER	27014	DS26LS31MN
U76	231154		IC, PROGRAMMED PLA	21793	231154
U77	231147		IC, MULTIPLEXER	04713	74HC253D
Z1	080119		RES NETWORK, 220K	91637	SOMC-1603-224K
Z2	080117		RES NETWORK, 16P8R, 47K	73138	628-AL-473J
Z3	080119		RES NETWORK, 220K	91637	SOMC-1603-224K
Z4	080117		RES NETWORK, 16P8R, 47K	73138	628-AL-473J
Z5	080119		RES NETWORK, 220K	91637	SOMC-1603-224K
Z6	080117		RES NETWORK, 16P8R, 47K	73138	628-AL-473J
Z7	080119		RES NETWORK, 220K	91637	SOMC-1603-224K
Z8	080117		RES NETWORK, 16P8R, 47K	73138	628-AL-473J
Z9	080119		RES NETWORK, 220K	91637	SOMC-1603-224K
Z10	080117		RES NETWORK, 16P8R, 47K	73138	628-AL-473J
Z11	080119		RES NETWORK, 220K	91637	SOMC-1603-224K
Z12	080117		RES NETWORK, 16P8R, 47K	73138	628-AL-473J
Z27	080114		RES NETWORK, 16P8R, 15K	73138	628-AL-153J
Z28	080120		RES NETWORK, 10K	11236	767-161R10K
{47}1	401951		PCB ASSY., LBUS JUMPER	21793	401951
{48}1	401951-003		PCB ASSY., P3 JUMPER	21793	401951-003
{49}1	415088		PCB, 1260-75 (UNLOADED)	21793	415088
{52}A/R	1500022		WIRE, BARE COPPER/TIN, 22 GA	21793	1500022
{53}A/R	1500009		TUBING, SHRINK, .12 ID, BLK	29005	RNF-100-1-1/8
{60}40	455520		COAX TERMINAL, PCB MOUNT	21793	455520
{61}A/R	1500315		CABLE, COAX, 75 OHM, MINIATURE	17217	CXN2135
{62}A/R	610777		CABLE TIE	16956	08-432
{74}4	611258-001		STANDOFF, SWAGE 4-40 X .170	06540	8091-11B-B-440-28
{81}1	456313-001		PANEL, FRONT, 1260-75A	21793	456313-001
{82}1	456124		BRACKET, CONNECTOR MOUNTING	21793	456124
{85}40	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	272
{96}1	921148-001		LABEL SET VXI	21793	921148-001
{97}A/R	921279		LOCQUIC, PRIMER	05972	74756
{98}A/R	921280		LOCTITE, HIGH STRENGTH	05972	27121

# User Manual 1260-75

405088-002 - PCB ASSY, 1260-75B

REF	RACAL INST		FSC	MANUFACTURER'S P/N
DESIG	P/N	DESCRIPTION		
C1-C4	110126	CAP, TANTA, 6.8UF, 35V, 20 PERCENT	05397	T355F685M035A5
C100-C102	R-21-1801	CAP, CHIP, 10 NF	95275	VJ1206Y103MF
C103	110165	CAP, TANTA, .15 MF, 35V, 10PCT	05397	T355A154K035AS
C104-C136	R-21-1801	CAP, CHIP, 10 NF	95275	VJ1206Y103MF
C141-C176	R-21-1801	CAP, CHIP, 10 NF	95275	VJ1206Y103MF
J3	601925	CONNECTOR, PCB, RECEPT, 3 ROW, 96P	52072	618008
J4	601925	CONNECTOR, PCB, RECEPT, 3 ROW, 96P	52072	618008
J200-J203	602221-020	CONNECTOR, COAXIAL, RECEPT, 20 POSITION, 3 ROW	09922	IMSD20RM-58
K1-K5	310234	RELAY, 50 OHM COAX, 1 FORM A, 12V	71707	9402-12-03
K6	310208	RELAY, 2 FORM C	61529	TQ2E-12V
K7-K11	310234	RELAY, 50 OHM COAX, 1 FORM A, 12V	71707	9402-12-03
K12	310208	RELAY, 2 FORM C	61529	TQ2E-12V
K13-K17	310234	RELAY, 50 OHM COAX, 1 FORM A, 12V	71707	9402-12-03
K18	310208	RELAY, 2 FORM C	61529	TQ2E-12V
K19-K23	310234	RELAY, 50 OHM COAX, 1 FORM A, 12V	71707	9402-12-03
K24	310208	RELAY, 2 FORM C	61529	TQ2E-12V
K25-K29	310234	RELAY, 50 OHM COAX, 1 FORM A, 12V	71707	9402-12-03
K30	310208	RELAY, 2 FORM C	61529	TQ2E-12V
K31-K35	310234	RELAY, 50 OHM COAX, 1 FORM A, 12V	71707	9402-12-03
K36	310208	RELAY, 2 FORM C	61529	TQ2E-12V
K37-K41	310234	RELAY, 50 OHM COAX, 1 FORM A, 12V	71707	9402-12-03
K42	310208	RELAY, 2 FORM C	61529	TQ2E-12V
K43-K47	310234	RELAY, 50 OHM COAX, 1 FORM A, 12V	71707	9402-12-03
K48	310208	RELAY, 2 FORM C	61529	TQ2E-12V
K49-K53	310234	RELAY, 50 OHM COAX, 1 FORM A, 12V	71707	9402-12-03
K54	310208	RELAY, 2 FORM C	61529	TQ2E-12V
K55-K59	310234	RELAY, 50 OHM COAX, 1 FORM A, 12V	71707	9402-12-03
K60	310208	RELAY, 2 FORM C	61529	TQ2E-12V
K61-K65	310234	RELAY, 50 OHM COAX, 1 FORM A, 12V	71707	9402-12-03
K66	310208	RELAY, 2 FORM C	61529	TQ2E-12V
K67-K71	310234	RELAY, 50 OHM COAX, 1 FORM A, 12V	71707	9402-12-03
K72	310208	RELAY, 2 FORM C	61529	TQ2E-12V
K73-K77	310234	RELAY, 50 OHM COAX, 1 FORM A, 12V	71707	9402-12-03
K78	310208	RELAY, 2 FORM C	61529	TQ2E-12V
K79-K83	310234	RELAY, 50 OHM COAX, 1 FORM A, 12V	71707	9402-12-03
K84	310208	RELAY, 2 FORM C	61529	TQ2E-12V
K85-K89	310234	RELAY, 50 OHM COAX, 1 FORM A, 12V	71707	9402-12-03
K90	310208	RELAY, 2 FORM C	61529	TQ2E-12V
K91-K97	310234	RELAY, 50 OHM COAX, 1 FORM A, 12V	71707	9402-12-03
L1	100164	CAP, FEED-THRU, 800PF, 50V	00779	842448-2
L2	310193	CHOKE, SHIELDED, 5UH	91637	IH-5-5-10
L3	310193	CHOKE, SHIELDED, 5UH	91637	IH-5-5-10
L4	100164	CAP, FEED-THRU, 800PF, 50V	00779	842448-2
L5	600245	JUMPER, INSULATED	52210	IL-2007-1
P1	601675-001	CONNECTOR, EUROCARD, 96 PIN MOD.	21793	601675-001
P2	601675-001	CONNECTOR, EUROCARD, 96 PIN MOD.	21793	601675-001
SW1-SW3	601969	SWITCH, DIP 6 POS, LOW PROFILE	65832	K406S
TP1	601197	POST, TEST, .025 SQ	00779	16-87022-6
TP2	601197	POST, TEST, .025 SQ	00779	16-87022-6
U1	231131	IC, DIGITAL, SHIFT REGISTER	18324	PC74HCT164D
U2	231130	IC, DIGITAL, FLIP FLOP	18324	PC74HC273
U3	231098	IC, SOIC TRANSISTOR	56289	IULN-2803LW
U4	231120	IC, 8-BIT, PARALLEL/SERIAL OUT S.R.	18324	174HCT166D
U5	231131	IC, DIGITAL, SHIFT REGISTER	18324	PC74HCT164D
U6	231130	IC, DIGITAL, FLIP FLOP	18324	PC74HC273
U7	231098	IC, SOIC TRANSISTOR	56289	IULN-2803LW
U8	231120	IC, 8-BIT, PARALLEL/SERIAL OUT S.R.	18324	174HCT166D
U9	231131	IC, DIGITAL, SHIFT REGISTER	18324	PC74HCT164D

405088-002 - PCB ASSY, 1260-75B

REF DESIG	RACAL INST P/N	DESCRIPTION	FSC	MANUFACTURER'S P/N
U10	1231130	IC, DIGITAL, FLIP FLOP	18324	PC74HC273
U11	1231098	IC, SOIC TRANSISTOR	56289	ULN-2803LW
U12	1231120	IC, 8-BIT, PARALLEL/SERIAL OUT S.R.	18324	74HCT166D
U13	1231131	IC, DIGITAL, SHIFT REGISTER	18324	PC74HCT164D
U14	1231130	IC, DIGITAL, FLIP FLOP	18324	PC74HC273
U15	1231098	IC, SOIC TRANSISTOR	56289	ULN-2803LW
U16	1231120	IC, 8-BIT, PARALLEL/SERIAL OUT S.R.	18324	74HCT166D
U17	1231131	IC, DIGITAL, SHIFT REGISTER	18324	PC74HCT164D
U18	1231130	IC, DIGITAL, FLIP FLOP	18324	PC74HC273
U19	1231098	IC, SOIC TRANSISTOR	56289	ULN-2803LW
U20	1231120	IC, 8-BIT, PARALLEL/SERIAL OUT S.R.	18324	74HCT166D
U21	1231131	IC, DIGITAL, SHIFT REGISTER	18324	PC74HCT164D
U22	1231130	IC, DIGITAL, FLIP FLOP	18324	PC74HC273
U23	1231098	IC, SOIC TRANSISTOR	56289	ULN-2803LW
U24	1231120	IC, 8-BIT, PARALLEL/SERIAL OUT S.R.	18324	74HCT166D
U25	1231131	IC, DIGITAL, SHIFT REGISTER	18324	PC74HCT164D
U26	1231130	IC, DIGITAL, FLIP FLOP	18324	PC74HC273
U27	1231098	IC, SOIC TRANSISTOR	56289	ULN-2803LW
U28	1231120	IC, 8-BIT, PARALLEL/SERIAL OUT S.R.	18324	74HCT166D
U29	1231131	IC, DIGITAL, SHIFT REGISTER	18324	PC74HCT164D
U30	1231130	IC, DIGITAL, FLIP FLOP	18324	PC74HC273
U31	1231098	IC, SOIC TRANSISTOR	56289	ULN-2803LW
U32	1231120	IC, 8-BIT, PARALLEL/SERIAL OUT S.R.	18324	74HCT166D
U33	1231131	IC, DIGITAL, SHIFT REGISTER	18324	PC74HCT164D
U34	1231130	IC, DIGITAL, FLIP FLOP	18324	PC74HC273
U35	1231098	IC, SOIC TRANSISTOR	56289	ULN-2803LW
U36	1231120	IC, 8-BIT, PARALLEL/SERIAL OUT S.R.	18324	74HCT166D
U37	1231131	IC, DIGITAL, SHIFT REGISTER	18324	PC74HCT164D
U38	1231130	IC, DIGITAL, FLIP FLOP	18324	PC74HC273
U39	1231098	IC, SOIC TRANSISTOR	56289	ULN-2803LW
U40	1231120	IC, 8-BIT, PARALLEL/SERIAL OUT S.R.	18324	74HCT166D
U41	1231131	IC, DIGITAL, SHIFT REGISTER	18324	PC74HCT164D
U42	1231130	IC, DIGITAL, FLIP FLOP	18324	PC74HC273
U43	1231098	IC, SOIC TRANSISTOR	56289	ULN-2803LW
U44	1231120	IC, 8-BIT, PARALLEL/SERIAL OUT S.R.	18324	74HCT166D
U45	1231131	IC, DIGITAL, SHIFT REGISTER	18324	PC74HCT164D
U46	1231130	IC, DIGITAL, FLIP FLOP	18324	PC74HC273
U47	1231098	IC, SOIC TRANSISTOR	56289	ULN-2803LW
U48	1231120	IC, 8-BIT, PARALLEL/SERIAL OUT S.R.	18324	74HCT166D
U53	1231153	IC, PROGRAMMED PLA	21793	1231153
U54	1231094	IC, DEMUX DECODER	18324	1N74LS138D
U55	1231094	IC, DEMUX DECODER	18324	1N74LS138D
U56	1231135	IC, DIGITAL, 4-BIT COMPARATOR	18324	PC74HCT85D
U57	1231093	IC, QUAD COMPARATOR	04713	LM339D
U60	1231120	IC, 8-BIT, PARALLEL/SERIAL OUT S.R.	18324	74HCT166D
U61	1231131	IC, DIGITAL, SHIFT REGISTER	18324	PC74HCT164D
U62	1231131	IC, DIGITAL, SHIFT REGISTER	18324	PC74HCT164D
U70	1231152-001	IC, DIGITAL 16L8, PAL	21793	1231152-001
U71	1231147	IC, MULTIPLEXER	04713	74HC253D
U72	1231147	IC, MULTIPLEXER	04713	74HC253D
U73	1231096	IC, QUAD DIFF RECEIVER	01295	1AM26LS32ACD
U74	1231096	IC, QUAD DIFF RECEIVER	01295	1AM26LS32ACD
U75	1231125	IC, DIGITAL, LINE DRIVER	27014	1DS26LS31MN
U76	1231154	IC, PROGRAMMED PLA	21793	1231154
U77	1231147	IC, MULTIPLEXER	04713	74HC253D
Z1	1080119	RES NETWORK, 220K	91637	1SOMC-1603-224K
Z2	1080117	RES NETWORK, 16P8R, 47K	73138	1628-AL-473J
Z3	1080119	RES NETWORK, 220K	91637	1SOMC-1603-224K
Z4	1080117	RES NETWORK, 16P8R, 47K	73138	1628-AL-473J
Z5	1080119	RES NETWORK, 220K	91637	1SOMC-1603-224K

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405088-002 - PCB ASSY, 1260-75B

REF DESIG	RACAL INST P/N	DESCRIPTION	FSC	MANUFACTURER'S P/N
Z6	1080117	RES NETWORK, 16P8R, 47K	73138	628-AL-473J
Z7	1080119	RES NETWORK, 220K	91637	SOMC-1603-224K
Z8	1080117	RES NETWORK, 16P8R, 47K	73138	628-AL-473J
Z9	1080119	RES NETWORK, 220K	91637	SOMC-1603-224K
Z10	1080117	RES NETWORK, 16P8R, 47K	73138	628-AL-473J
Z11	1080119	RES NETWORK, 220K	91637	SOMC-1603-224K
Z12	1080117	RES NETWORK, 16P8R, 47K	73138	628-AL-473J
Z13	1080119	RES NETWORK, 220K	91637	SOMC-1603-224K
Z14	1080117	RES NETWORK, 16P8R, 47K	73138	628-AL-473J
Z15	1080119	RES NETWORK, 220K	91637	SOMC-1603-224K
Z16	1080117	RES NETWORK, 16P8R, 47K	73138	628-AL-473J
Z17	1080119	RES NETWORK, 220K	91637	SOMC-1603-224K
Z18	1080117	RES NETWORK, 16P8R, 47K	73138	628-AL-473J
Z19	1080119	RES NETWORK, 220K	91637	SOMC-1603-224K
Z20	1080117	RES NETWORK, 16P8R, 47K	73138	628-AL-473J
Z21	1080119	RES NETWORK, 220K	91637	SOMC-1603-224K
Z22	1080117	RES NETWORK, 16P8R, 47K	73138	628-AL-473J
Z23	1080119	RES NETWORK, 220K	91637	SOMC-1603-224K
Z24	1080117	RES NETWORK, 16P8R, 47K	73138	628-AL-473J
Z27	1080114	RES NETWORK, 16P8R, 15K	73138	628-AL-153J
Z28	1080120	RES NETWORK, 10K	11236	1767-161R10K
{47}1	1401951	PCB ASSY., LBUS JUMPER	21793	1401951
{48}1	1401951-003	PCB ASSY., P3 JUMPER	21793	1401951-003
{49}1	1415088	PCB, 1260-75 (UNLOADED)	21793	1415088
{52}A/R	1500022	WIRE, BARE COPPER/TIN, 22 GA	21793	1500022
{53}A/R	1500009	TUBING, SHRINK, .12 ID, BLK	29005	1RNF-100-1-1/8
{60}80	1455520	COAX TERMINAL, PCB MOUNT	21793	1455520
{61}A/R	1500315	CABLE, COAX, 75 OHM, MINIATURE	17217	1CXN2135
{62}A/R	1610777	CABLE TIE	16956	108-432
{74}4	1611258-001	STANDOFF, SWAGE 4-40 X .170	106540	18091-11B-B-440-28
{81}1	1456313-002	PANEL, FRONT, 1260-75B	21793	1456313-002
{82}1	1456124	BRACKET, CONNECTOR MOUNTING	21793	1456124
{85}80	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	21793	1921148-001
{97}A/R	1921279	LOCQUIC, PRIMER	105972	174756
{98}A/R	1921280	LOCTITE, HIGH STRENGTH	105972	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 1260-75A/B to Freedom Series Test Receiver Interfaces.

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

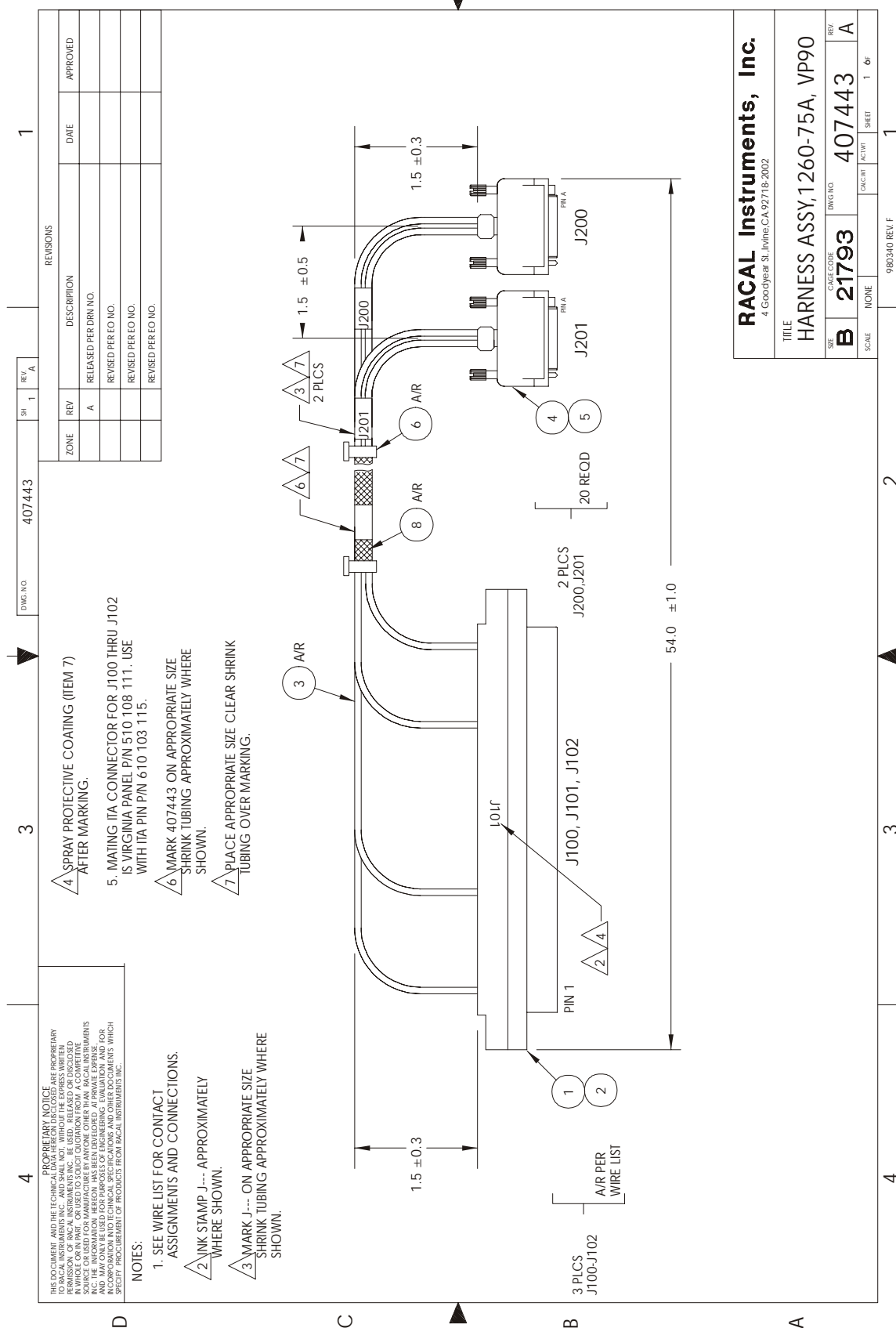
407443	1260-75A Virginia Panel, Inc. Series VP90 Interface Harness
407445	1260-75B Virginia Panel, Inc. Series VP90 Interface Harness
407444	1260-75A TTI Testron, Inc. Interface Harness (TTI Receiver must be above chassis)
407444-002	1260-75B TTI Testron, Inc. Interface Harness (TTI Receiver must be 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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DOC. NO.	407443
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## ENGINEERING WIRE LIST

WIRE	FROM	TO	TYPE	PART #	WIRE LEN	REFERENCE
	BLK AA (J100)	Uxx-SLOT yy (J200)	CABLE	407443		SYSTEM WIRE LIST
	BLK AA (J101)	Uxx-SLOT yy (J200,J201)	CABLE	407443		
	BLK AA (J102)	Uxx-SLOT yy (J201)	CABLE	407443		
<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, 1260-75A, VP90			A	21793	407443	A
DRN			SHEET 3 of 6			

DOC. NO. 407443

## ENGINEERING WIRE LIST

WIRE	FROM	TO	TYPE	PART #	WIRE LEN	REFERENCE
1	J100-1 602201-902	J200-A 602220-900	COAX	500269	54"	CHANNEL 00
2	J100-2 602201-902	J200-B 602220-900	COAX	500269	54"	CHANNEL 01
3	J100-3 602201-902	J200-C 602220-900	COAX	500269	54"	CHANNEL 02
4	J100-4 602201-902	J200-D 602220-900	COAX	500269	54"	CHANNEL 03
5	J100-5 602201-902	J200-E 602220-900	COAX	500269	54"	CHANNEL 04
6	J100-6 602201-902	J200-F 602220-900	COAX	500269	54"	CHANNEL 10
7	J100-7 602201-902	J200-H 602220-900	COAX	500269	54"	CHANNEL 11
8	J100-8 602201-902	J200-J 602220-900	COAX	500269	54"	CHANNEL 12
9	J100-9 602201-902	J200-K 602220-900	COAX	500269	54"	CHANNEL 13
10	J100-10 602201-902	J200-L 602220-900	COAX	500269	54"	CHANNEL 14
11	J100-11 602201-902	J200-M 602220-900	COAX	500269	54"	CHANNEL 20
12	J100-12 602201-902	J200-N 602220-900	COAX	500269	54"	CHANNEL 21
13	J100-13 602201-902	J200-P 602220-900	COAX	500269	54"	CHANNEL 22
14	J100-14 602201-902	J200-R 602220-900	COAX	500269	54"	CHANNEL 23
15	J100-15 602201-902	J200-S 602220-900	COAX	500269	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 602201-902	J200-T 602220-900	COAX	500269	54"	CHANNEL 30
21	J101-2 602201-902	J200-U 602220-900	COAX	500269	54"	CHANNEL 31
22	J101-3 602201-902	J200-V 602220-900	COAX	500269	54"	CHANNEL 32
23	J101-4 602201-902	J200-W 602220-900	COAX	500269	54"	CHANNEL 33
24	J101-5 602201-902	J200-X 602220-900	COAX	500269	54"	CHANNEL 34
25	J101-6 602201-902	J201-A 602220-900	COAX	500269	54"	CHANNEL 40

DOC. NO. 407443

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

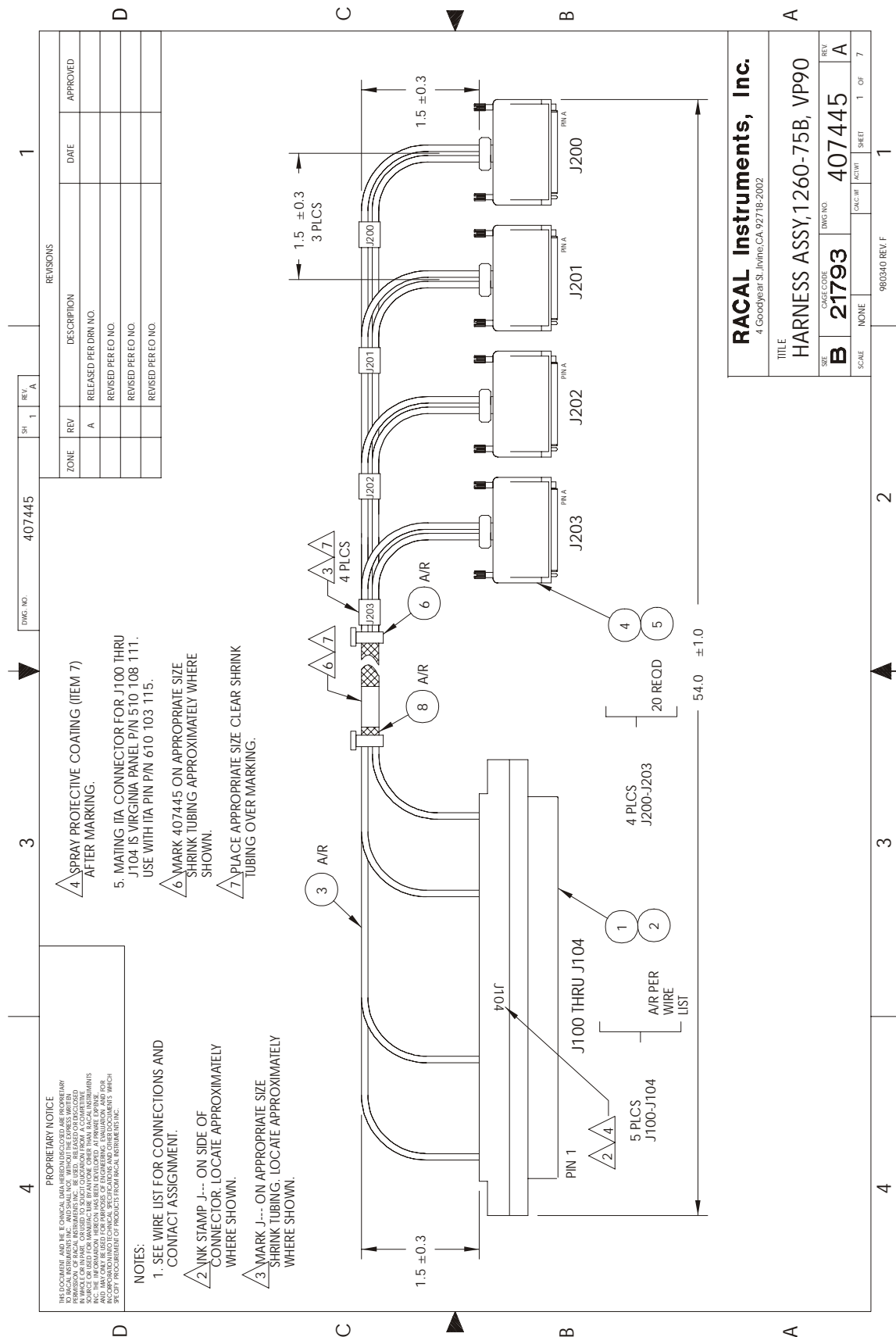
DOCUMENT TITLE	SIZE	CODE NO.	DOCUMENT NO.	REV
HARNESS ASSEMBLY, 1260-75A, VP90	A	21793	407443	A
	DRN		SHEET 4 of 6	

## ENGINEERING WIRE LIST

WIRE	FROM	TO	TYPE	PART #	WIRE LEN	REFERENCE
26	J101-7 602201-902	J201-B 602220-900	COAX	500269	54"	CHANNEL 41
27	J101-8 602201-902	J201-C 602220-900	COAX	500269	54"	CHANNEL 42
28	J101-9 602201-902	J201-D 602220-900	COAX	500269	54"	CHANNEL 43
29	J101-10 602201-902	J201-E 602220-900	COAX	500269	54"	CHANNEL 44
30	J101-11 602201-902	J201-F 602220-900	COAX	500269	54"	CHANNEL 50
31	J101-12 602201-902	J201-H 602220-900	COAX	500269	54"	CHANNEL 51
32	J101-13 602201-902	J201-J 602220-900	COAX	500269	54"	CHANNEL 52
33	J101-14 602201-902	J201-K 602220-900	COAX	500269	54"	CHANNEL 53
34	J101-15 602201-902	J201-L 602220-900	COAX	500269	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 602201-902	J201-M 602220-900	COAX	500269	54"	CHANNEL 60
40	J102-2 602201-902	J201-N 602220-900	COAX	500269	54"	CHANNEL 61
41	J102-3 602201-902	J201-P 602220-900	COAX	500269	54"	CHANNEL 62
42	J102-4 602201-902	J201-R 602220-900	COAX	500269	54"	CHANNEL 63
43	J102-5 602201-902	J201-S 602220-900	COAX	500269	54"	CHANNEL 64
44	J102-6 602201-902	J201-T 602220-900	COAX	500269	54"	CHANNEL 70
45	J102-7 602201-902	J201-U 602220-900	COAX	500269	54"	CHANNEL 71
46	J102-8 602201-902	J201-V 602220-900	COAX	500269	54"	CHANNEL 72
47	J102-9 602201-902	J201-W 602220-900	COAX	500269	54"	CHANNEL 73
48	J102-10 602201-902	J201-X 602220-900	COAX	500269	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, 1260-75A, VP90			A	21793	407443	A
			DRN		SHEET 5 of 6	

DOC. NO. 407443

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					
<b>RACAL Instruments, Inc., 4 Goodyear St., Irvine, CA 92718</b>						
DOCUMENT TITLE			SIZE	CODE NO.	DOCUMENT NO.	REV
HARNESS ASSEMBLY, 1260-75A, VP90			A	21793	407443	A
			DRN		SHEET 6 of 6	



[illegible]



## ENGINEERING WIRE LIST

WIRE	FROM	TO	TYPE	PART #	WIRE LEN	REFERENCE
	BLK AA (J100)	Uxx-SLOT yy (J200)	CABLE	407445		SYSTEM WIRE LIST
	BLK AA (J101)	Uxx-SLOT yy (J200,J201)	CABLE	407445		
	BLK AA (J102)	Uxx-SLOT yy (J201,J202)	CABLE	407445		
	BLK AA (J103)	Yxx-SLOT yy (J202,J203)	CABLE	407445		
	BLK AA (J104)	Uxx-SLOT yy (J203)	CABLE	407445		
<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, 1260-75B, VP90			A	21793	407445	A
			DRN			SHEET 3 of 7

DOC. NO. 407445

## ENGINEERING WIRE LIST

WIRE	FROM	TO	TYPE	PART #	WIRE LEN	REFERENCE
1	J100-1 602201-902	J200-A 602220-900	COAX	500269	54"	CHANNEL 00
2	J100-2 602201-902	J200-B 602220-900	COAX	500269	54"	CHANNEL 01
3	J100-3 602201-902	J200-C 602220-900	COAX	500269	54"	CHANNEL 02
4	J100-4 602201-902	J200-D 602220-900	COAX	500269	54"	CHANNEL 03
5	J100-5 602201-902	J200-E 602220-900	COAX	500269	54"	CHANNEL 04
6	J100-6 602201-902	J200-F 602220-900	COAX	500269	54"	CHANNEL 10
7	J100-7 602201-902	J200-H 602220-900	COAX	500269	54"	CHANNEL 11
8	J100-8 602201-902	J200-J 602220-900	COAX	500269	54"	CHANNEL 12
9	J100-9 602201-902	J200-K 602220-900	COAX	500269	54"	CHANNEL 13
10	J100-10 602201-902	J200-L 602220-900	COAX	500269	54"	CHANNEL 14
11	J100-11 602201-902	J200-M 602220-900	COAX	500269	54"	CHANNEL 20
12	J100-12 602201-902	J200-N 602220-900	COAX	500269	54"	CHANNEL 21
13	J100-13 602201-902	J200-P 602220-900	COAX	500269	54"	CHANNEL 22
14	J100-14 602201-902	J200-R 602220-900	COAX	500269	54"	CHANNEL 23
15	J100-15 602201-902	J200-S 602220-900	COAX	500269	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 602201-902	J200-T 602220-900	COAX	500269	54"	CHANNEL 30
21	J101-2 602201-902	J200-U 602220-900	COAX	500269	54"	CHANNEL 31
22	J101-3 602201-902	J200-V 602220-900	COAX	500269	54"	CHANNEL 32
23	J101-4 602201-902	J200-W 602220-900	COAX	500269	54"	CHANNEL 33
24	J101-5 602201-902	J200-X 602220-900	COAX	500269	54"	CHANNEL 34
<b>RACAL Instruments, Inc., 4 Goodyear St., Irvine, CA 92718</b>						
DOCUMENT TITLE			SIZE	CODE NO.	DOCUMENT NO.	REV
HARNESS ASSEMBLY, 1260-75B, VP90			A	21793	407445	A
			DRN			SHEET 4 of 7

DOC. NO. 407445

## ENGINEERING WIRE LIST

WIRE	FROM	TO	TYPE	PART #	WIRE LEN	REFERENCE
25	J101-6 602201-902	J201-A 602220-900	COAX	500269	54"	CHANNEL 40
26	J101-7 602201-902	J201-B 602220-900	COAX	500269	54"	CHANNEL 41
27	J101-8 602201-902	J201-C 602220-900	COAX	500269	54"	CHANNEL 42
28	J101-9 602201-902	J201-D 602220-900	COAX	500269	54"	CHANNEL 43
29	J101-10 602201-902	J201-E 602220-900	COAX	500269	54"	CHANNEL 44
30	J101-11 602201-902	J201-F 602220-900	COAX	500269	54"	CHANNEL 50
31	J101-12 602201-902	J201-H 602220-900	COAX	500269	54"	CHANNEL 51
32	J101-13 602201-902	J201-J 602220-900	COAX	500269	54"	CHANNEL 52
33	J101-14 602201-902	J201-K 602220-900	COAX	500269	54"	CHANNEL 53
34	J101-15 602201-902	J201-L 602220-900	COAX	500269	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 602201-902	J201-M 602220-900	COAX	500269	54"	CHANNEL 60
40	J102-2 602201-902	J201-N 602220-900	COAX	500269	54"	CHANNEL 61
41	J102-3 602201-902	J201-P 602220-900	COAX	500269	54"	CHANNEL 62
42	J102-4 602201-902	J201-R 602220-900	COAX	500269	54"	CHANNEL 63
43	J102-5 602201-902	J201-S 602220-900	COAX	500269	54"	CHANNEL 64
44	J102-6 602201-902	J201-T 602220-900	COAX	500269	54"	CHANNEL 70
45	J102-7 602201-902	J201-U 602220-900	COAX	500269	54"	CHANNEL 71
46	J102-8 602201-902	J201-V 602220-900	COAX	500269	54"	CHANNEL 72
47	J102-9 602201-902	J201-W 602220-900	COAX	500269	54"	CHANNEL 73
48	J102-10 602201-902	J201-X 602220-900	COAX	500269	54"	CHANNEL 74
<b>RACAL Instruments, Inc., 4 Goodyear St., Irvine, CA 92718</b>						
DOCUMENT TITLE			SIZE	CODE NO.	DOCUMENT NO.	REV
HARNESS ASSEMBLY, 1260-75B, VP90			A	21793	407445	A
			DRN			SHEET 5 of 7

DOC. NO. 407445

## ENGINEERING WIRE LIST

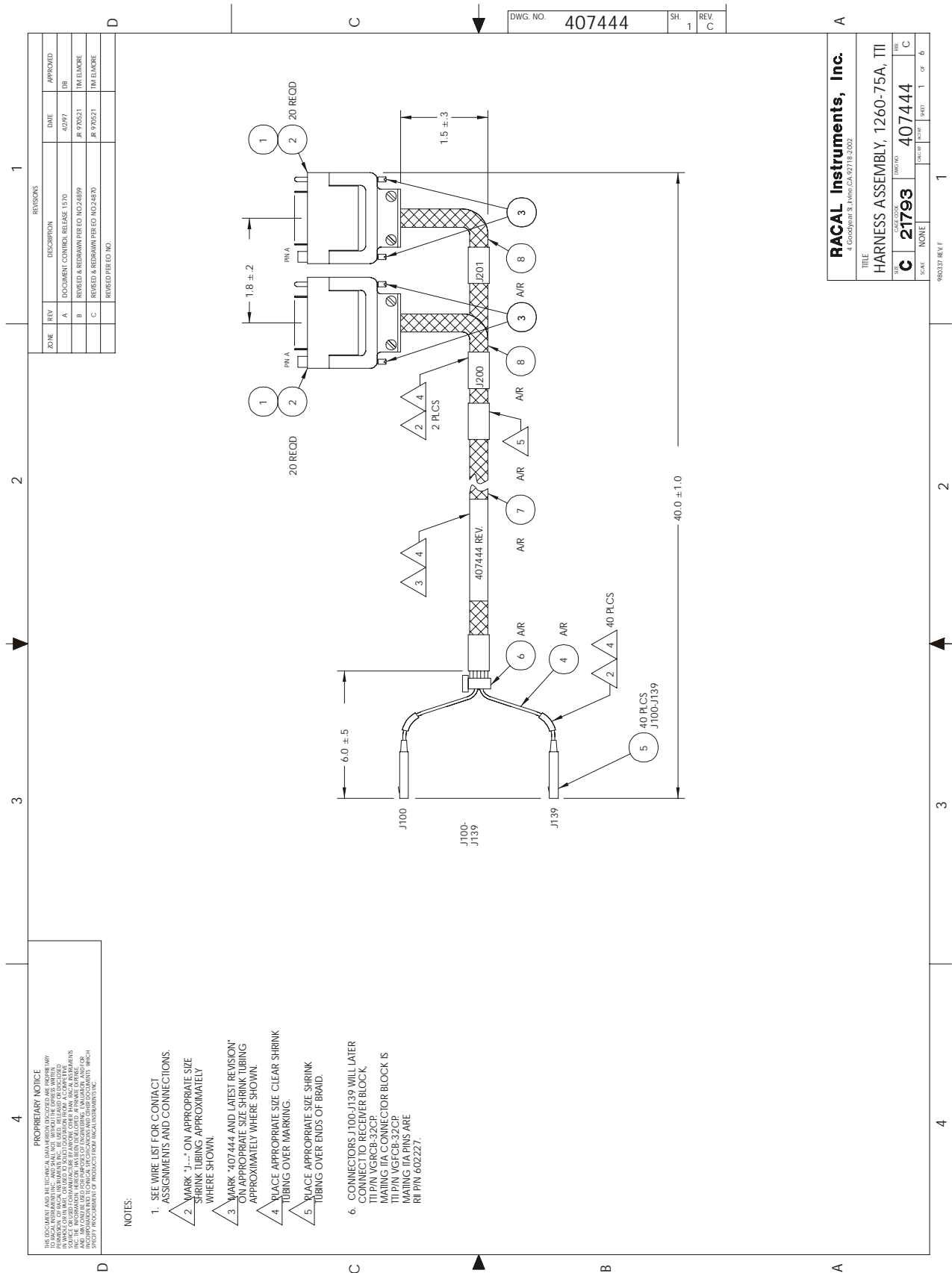
WIRE	FROM	TO	TYPE	PART #	WIRE LEN	REFERENCE
49	J102-11 602201-902	J202-A 602220-900	COAX	500269	54"	CHANNEL 80
50	J102-12 602201-902	J202-B 602220-900	COAX	500269	54"	CHANNEL 81
51	J102-13 602201-902	J202-C 602220-900	COAX	500269	54"	CHANNEL 82
52	J102-14 602201-902	J202-D 602220-900	COAX	500269	54"	CHANNEL 83
53	J102-15 602201-902	J202-E 602220-900	COAX	500269	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 602201-902	J202-F 602220-900	COAX	500269	54"	CHANNEL 90
59	J103-2 602201-902	J202-H 602220-900	COAX	500269	54"	CHANNEL 91
60	J103-3 602201-902	J202-J 602220-900	COAX	500269	54"	CHANNEL 92
61	J103-4 602201-902	J202-K 602220-900	COAX	500269	54"	CHANNEL 93
62	J103-5 602201-902	J202-L 602220-900	COAX	500269	54"	CHANNEL 94
63	J103-6 602201-902	J202-M 602220-900	COAX	500269	54"	CHANNEL 100
64	J103-7 602201-902	J202-N 602220-900	COAX	500269	54"	CHANNEL 101
65	J103-8 602201-902	J202-P 602220-900	COAX	500269	54"	CHANNEL 102
66	J103-9 602201-902	J202-R 602220-900	COAX	500269	54"	CHANNEL 103
67	J103-10 602201-902	J202-S 602220-900	COAX	500269	54"	CHANNEL 104
68	J103-11 602201-902	J202-T 602220-900	COAX	500269	54"	CHANNEL 110
69	J103-12 602201-902	J202-U 602220-900	COAX	500269	54"	CHANNEL 111
70	J103-13 602201-902	J202-V 602220-900	COAX	500269	54"	CHANNEL 112
71	J103-14 602201-902	J202-W 602220-900	COAX	500269	54"	CHANNEL 113
<b>RACAL Instruments, Inc., 4 Goodyear St., Irvine, CA 92718</b>						
DOCUMENT TITLE			SIZE	CODE NO.	DOCUMENT NO.	REV
HARNESS ASSEMBLY, 1260-75B, VP90			A	21793	407445	A
			DRN		SHEET 6 of 7	

DOC. NO. 407445

## ENGINEERING WIRE LIST

WIRE	FROM	TO	TYPE	PART #	WIRE LEN	REFERENCE
72	J103-15 602201-902	J202-X 602220-900	COAX	500269	54"	CHANNEL 114
73	J103-16 NO CONNECT					
74	J103-17 602201-902	J203-T 602220-900	COAX	500269	54"	CHANNEL 150
75	J103-18 602201-902	J203-U 602220-900	COAX	500269	54"	CHANNEL 151
76	J103-19 602201-902	J203-V 602220-900	COAX	500269	54"	CHANNEL 152
77	J104-1 602201-902	J203-A 602220-900	COAX	500269	54"	CHANNEL 120
78	J104-2 602201-902	J203-B 602220-900	COAX	500269	54"	CHANNEL 121
79	J104-3 602201-902	J203-C 602220-900	COAX	500269	54"	CHANNEL 122
80	J104-4 602201-902	J203-D 602220-900	COAX	500269	54"	CHANNEL 123
81	J104-5 602201-902	J203-E 602220-900	COAX	500269	54"	CHANNEL 124
82	J104-6 602201-902	J203-F 602220-900	COAX	500269	54"	CHANNEL 130
83	J104-7 602201-902	J203-H 602220-900	COAX	500269	54"	CHANNEL 131
84	J104-8 602201-902	J203-J 602220-900	COAX	500269	54"	CHANNEL 132
85	J104-9 602201-902	J203-K 602220-900	COAX	500269	54"	CHANNEL 133
86	J104-10 602201-902	J203-L 602220-900	COAX	500269	54"	CHANNEL 134
87	J104-11 602201-902	J203-M 602220-900	COAX	500269	54"	CHANNEL 140
88	J104-12 602201-902	J203-N 602220-900	COAX	500269	54"	CHANNEL 141
89	J104-13 602201-902	J203-P 602220-900	COAX	500269	54"	CHANNEL 142
90	J104-14 602201-902	J203-R 602220-900	COAX	500269	54"	CHANNEL 143
91	J104-15 602201-902	J203-S 602220-900	COAX	500269	54"	CHANNEL 144
92	J104-16 NO CONNECT					
93	J104-17 NO CONNECT					
94	J104-18 602201-902	J203-W 602220-900	COAX	500269	54"	CHANNEL 153
95	J104-19 602201-902	J203-X 602220-900	COAX	500269	54"	CHANNEL 154
<b>RACAL Instruments, Inc., 4 Goodyear St., Irvine, CA 92718</b>						
DOCUMENT TITLE			SIZE	CODE NO.	DOCUMENT NO.	REV
HARNESS ASSEMBLY, 1260-75B, VP90			A	21793	407445	A
			DRN		SHEET 7 of 7	

DOC. NO. 407445



## ENGINEERING PARTS LIST

DOC. NO.	407444
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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	407444		SYSTEM WIRE LIST
	BLK AAX PN 02 (J101)	Uxx-SLOT yy (J200)	CABLE	407444		
	BLK AAX PN 03 (J102)	Uxx-SLOT yy (J200)	CABLE	407444		
	BLK AAX PN 04 (J103)	Uxx-SLOT yy (J200)	CABLE	407444		
	BLK AAX PN 05 (J104)	Uxx-SLOT yy (J200)	CABLE	407444		
	BLK AAX PN 06 (J105)	Uxx-SLOT yy (J200)	CABLE	407444		
	BLK AAX PN 07 (J106)	Uxx-SLOT yy (J200)	CABLE	407444		
	BLK AAX PN 08 (J107)	Uxx-SLOT yy (J200)	CABLE	407444		
	BLK AAX PN 09 (J108)	Uxx-SLOT yy (J200)	CABLE	407444		
	BLK AAX PN 10 (J109)	Uxx-SLOT yy (J200)	CABLE	407444		
	BLK AAX PN 11 (J100)	Uxx-SLOT yy (J200)	CABLE	407444		
	BLK AAX PN 12 (J111)	Uxx-SLOT yy (J200)	CABLE	407444		
	BLK AAX PN 13 (J112)	Uxx-SLOT yy (J200)	CABLE	407444		
	BLK AAX PN 14 (J113)	Uxx-SLOT yy (J200)	CABLE	407444		
	BLK AAX PN 15 (J114)	Uxx-SLOT yy (J200)	CABLE	407444		
	BLK AAX PN 16 (J115)	Uxx-SLOT yy (J200)	CABLE	407444		
	BLK AAX PN 17 (J116)	Uxx-SLOT yy (J200)	CABLE	407444		
	BLK AAX PN 18 (J117)	Uxx-SLOT yy (J200)	CABLE	407444		
	BLK AAX PN 19 (J118)	Uxx-SLOT yy (J200)	CABLE	407444		
	BLK AAX PN 20 (J119)	Uxx-SLOT yy (J200)	CABLE	407444		
	BLK AAX PN 21 (J120)	Uxx-SLOT yy (J201)	CABLE	407444		
	BLK AAX PN 22 (J121)	Uxx-SLOT yy (J201)	CABLE	407444		
	BLK AAX PN 23 (J122)	Uxx-SLOT yy (J201)	CABLE	407444		
	BLK AAX PN 24 (J123)	Uxx-SLOT yy (J201)	CABLE	407444		
	BLK AAX PN 25 (J124)	Uxx-SLOT yy (J201)	CABLE	407444		

DOC. NO. 407444

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

DOCUMENT TITLE	SIZE	CODE NO.	DOCUMENT NO.	REV
HARNESS ASSEMBLY, 1260-75A, TTI	A	21793	407444	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	407444		
	BLK AAx PN 27 (J126)	Uxx-SLOT yy (J201)	CABLE	407444		
	BLK AAx PN 28 (J127)	Uxx-SLOT yy (J201)	CABLE	407444		
	BLK AAx PN 29 (J128)	Uxx-SLOT yy (J201)	CABLE	407444		
	BLK AAx PN 30 (J129)	Uxx-SLOT yy (J201)	CABLE	407444		
	BLK AAx PN 31 (J130)	Uxx-SLOT yy (J201)	CABLE	407444		
	BLK AAx PN 32 (J131)	Uxx-SLOT yy (J201)	CABLE	407444		
	BLK AAx PN 33 (J132)	Uxx-SLOT yy (J201)	CABLE	407444		
	BLK AAx PN 34 (J133)	Uxx-SLOT yy (J201)	CABLE	407444		
	BLK AAx PN 35 (J134)	Uxx-SLOT yy (J201)	CABLE	407444		
	BLK AAx PN 36 (J135)	Uxx-SLOT yy (J201)	CABLE	407444		
	BLK AAx PN 37 (J136)	Uxx-SLOT yy (J201)	CABLE	407444		
	BLK AAx PN 38 (J137)	Uxx-SLOT yy (J201)	CABLE	407444		
	BLK AAx PN 39 (J138)	Uxx-SLOT yy (J201)	CABLE	407444		
	BLK AAx PN 40 (J139)	Uxx-SLOT yy (J201)	CABLE	407444		
<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.	
HARNESS ASSEMBLY, 1260-75A, TTI			A	21793	407444	
			DRN		SHEET 4 of 6	

DOC. NO. 407444

## ENGINEERING WIRE LIST

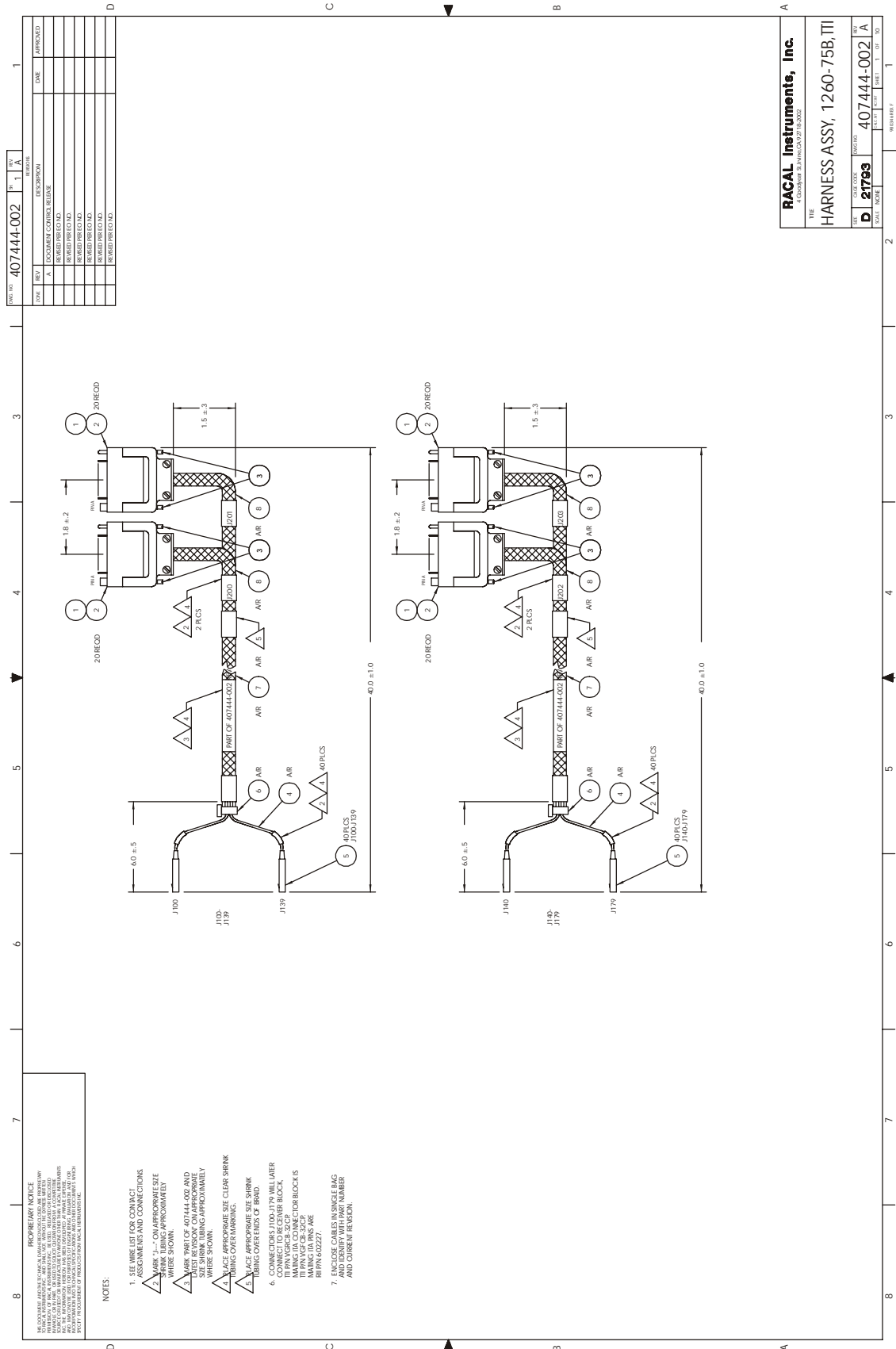
WIRE	FROM	TO	TYPE	PART #	WIRE LEN	REFERENCE
1	J100 602196-900	J200-A 602220-900	COAX	500269	40"	CHANNEL 00
2	J101 602196-900	J200-B 602220-900	COAX	500269	40"	CHANNEL 01
3	J102 602196-900	J200-C 602220-900	COAX	500269	40"	CHANNEL 02
4	J103 602196-900	J200-D 602220-900	COAX	500269	40"	CHANNEL 03
5	J104 602196-900	J200-E 602220-900	COAX	500269	40"	CHANNEL 04
6	J105 602196-900	J200-F 602220-900	COAX	500269	40"	CHANNEL 10
7	J106 602196-900	J200-H 602220-900	COAX	500269	40"	CHANNEL 11
8	J107 602196-900	J200-J 602220-900	COAX	500269	40"	CHANNEL 12
9	J108 602196-900	J200-K 602220-900	COAX	500269	40"	CHANNEL 13
10	J109 602196-900	J200-L 602220-900	COAX	500269	40"	CHANNEL 14
11	J110 602196-900	J200-M 602220-900	COAX	500269	40"	CHANNEL 20
12	J111 602196-900	J200-N 602220-900	COAX	500269	40"	CHANNEL 21
13	J112 602196-900	J200-P 602220-900	COAX	500269	40"	CHANNEL 22
14	J113 602196-900	J200-R 602220-900	COAX	500269	40"	CHANNEL 23
15	J114 602196-900	J200-S 602220-900	COAX	500269	40"	CHANNEL 24
16	J115 602196-900	J200-T 602220-900	COAX	500269	40"	CHANNEL 30
17	J116 602196-900	J200-U 602220-900	COAX	500269	40"	CHANNEL 31
18	J117 602196-900	J200-V 602220-900	COAX	500269	40"	CHANNEL 32
19	J118 602196-900	J200-W 602220-900	COAX	500269	40"	CHANNEL 33
20	J119 602196-900	J200-X 602220-900	COAX	500269	40"	CHANNEL 34
21	J120 602196-900	J201-A 602220-900	COAX	500269	40"	CHANNEL 40
22	J121 602196-900	J201-B 602220-900	COAX	500269	40"	CHANNEL 41
23	J122 602196-900	J201-C 602220-900	COAX	500269	40"	CHANNEL 42
24	J123 602196-900	J201-D 602220-900	COAX	500269	40"	CHANNEL 43
25	J124 602196-900	J201-E 602220-900	COAX	500269	40"	CHANNEL 44
<b>RACAL Instruments, Inc., 4 Goodyear St., Irvine, CA 92718</b>						
DOCUMENT TITLE			SIZE	CODE NO.	DOCUMENT NO.	REV
HARNESS ASSEMBLY, 1260-75A, TTI			A	21793	407444	C
			DRN			SHEET 5 of 6

DOC. NO. 407444

## ENGINEERING WIRE LIST

WIRE	FROM	TO	TYPE	PART #	WIRE LEN	REFERENCE
26	J125 602196-900	J201-F 602220-900	COAX	500269	40"	CHANNEL 50
27	J126 602196-900	J201-H 602220-900	COAX	500269	40"	CHANNEL 51
28	J127 602196-900	J201-J 602220-900	COAX	500269	40"	CHANNEL 52
29	J128 602196-900	J201-K 602220-900	COAX	500269	40"	CHANNEL 53
30	J129 602196-900	J201-L 602220-900	COAX	500269	40"	CHANNEL 54
31	J130 602196-900	J201-M 602220-900	COAX	500269	40"	CHANNEL 60
32	J131 602196-900	J201-N 602220-900	COAX	500269	40"	CHANNEL 61
33	J132 602196-900	J201-P 602220-900	COAX	500269	40"	CHANNEL 62
34	J133 602196-900	J201-R 602220-900	COAX	500269	40"	CHANNEL 63
35	J134 602196-900	J201-S 602220-900	COAX	500269	40"	CHANNEL 64
36	J135 602196-900	J201-T 602220-900	COAX	500269	40"	CHANNEL 70
37	J136 602196-900	J201-U 602220-900	COAX	500269	40"	CHANNEL 71
38	J137 602196-900	J201-V 602220-900	COAX	500269	40"	CHANNEL 72
39	J138 602196-900	J201-W 602220-900	COAX	500269	40"	CHANNEL 73
40	J139 602196-900	J201-X 602220-900	COAX	500269	40"	CHANNEL 74
RACAL Instruments, Inc., 4 Goodyear St., Irvine, CA 92718						
DOCUMENT TITLE			SIZE	CODE NO.	DOCUMENT NO.	REV
HARNESS ASSEMBLY, 1260-75A, TTI			A	21793	407444	C
			DRN			SHEET 6 of 6

DOC. NO. 407444



## ENGINEERING PARTS LIST

DOC. NO. 407444-002

## ENGINEERING WIRE LIST

WIRE	FROM	TO	TYPE	PART #	WIRE LEN	REFERENCE
	BLK AAx PN 01 (J100)	Uxx-SLOT yy (J200)	CABLE	407444-002		SYSTEM WIRE LIST
	BLK AAx PN 02 (J101)	Uxx-SLOT yy (J200)	CABLE	407444-002		
	BLK AAx PN 03 (J102)	Uxx-SLOT yy (J200)	CABLE	407444-002		
	BLK AAx PN 04 (J103)	Uxx-SLOT yy (J200)	CABLE	407444-002		
	BLK AAx PN 05 (J104)	Uxx-SLOT yy (J200)	CABLE	407444-002		
	BLK AAx PN 06 (J105)	Uxx-SLOT yy (J200)	CABLE	407444-002		
	BLK AAx PN 07 (J106)	Uxx-SLOT yy (J200)	CABLE	407444-002		
	BLK AAx PN 08 (J107)	Uxx-SLOT yy (J200)	CABLE	407444-002		
	BLK AAx PN 09 (J108)	Uxx-SLOT yy (J200)	CABLE	407444-002		
	BLK AAx PN 10 (J109)	Uxx-SLOT yy (J200)	CABLE	407444-002		
	BLK AAx PN 11 (J100)	Uxx-SLOT yy (J200)	CABLE	407444-002		
	BLK AAx PN 12 (J111)	Uxx-SLOT yy (J200)	CABLE	407444-002		
	BLK AAx PN 13 (J112)	Uxx-SLOT yy (J200)	CABLE	407444-002		
	BLK AAx PN 14 (J113)	Uxx-SLOT yy (J200)	CABLE	407444-002		
	BLK AAx PN 15 (J114)	Uxx-SLOT yy (J200)	CABLE	407444-002		
	BLK AAx PN 16 (J115)	Uxx-SLOT yy (J200)	CABLE	407444-002		
	BLK AAx PN 17 (J116)	Uxx-SLOT yy (J200)	CABLE	407444-002		
	BLK AAx PN 18 (J117)	Uxx-SLOT yy (J200)	CABLE	407444-002		
	BLK AAx PN 19 (J118)	Uxx-SLOT yy (J200)	CABLE	407444-002		
	BLK AAx PN 20 (J119)	Uxx-SLOT yy (J200)	CABLE	407444-002		
	BLK AAx PN 21 (J120)	Uxx-SLOT yy (J201)	CABLE	407444-002		
	BLK AAx PN 22 (J121)	Uxx-SLOT yy (J201)	CABLE	407444-002		
	BLK AAx PN 23 (J122)	Uxx-SLOT yy (J201)	CABLE	407444-002		
	BLK AAx PN 24 (J123)	Uxx-SLOT yy (J201)	CABLE	407444-002		
	BLK AAx PN 25 (J124)	Uxx-SLOT yy (J201)	CABLE	407444-002		

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

DOC. NO. 407444-002

DOCUMENT TITLE	SIZE	CODE NO.	DOCUMENT NO.	REV
HARNESS ASSEMBLY, 1260-75B, TTI	A	21793	407444-002	A
	DRN			SHEET 3 of 10

## ENGINEERING WIRE LIST

WIRE	FROM	TO	TYPE	PART #	WIRE LEN	REFERENCE
	BLK AAx PN 26 (J125)	Uxx-SLOT yy (J201)	CABLE	407444- 002		
	BLK AAx PN 27 (J126)	Uxx-SLOT yy (J201)	CABLE	407444- 002		
	BLK AAx PN 28 (J127)	Uxx-SLOT yy (J201)	CABLE	407444- 002		
	BLK AAx PN 29 (J128)	Uxx-SLOT yy (J201)	CABLE	407444- 002		
	BLK AAx PN 30 (J129)	Uxx-SLOT yy (J201)	CABLE	407444- 002		
	BLK AAx PN 31 (J130)	Uxx-SLOT yy (J201)	CABLE	407444- 002		
	BLK AAx PN 32 (J131)	Uxx-SLOT yy (J201)	CABLE	407444- 002		
	BLK AAx PN 33 (J132)	Uxx-SLOT yy (J201)	CABLE	407444- 002		
	BLK AAx PN 34 (J133)	Uxx-SLOT yy (J201)	CABLE	407444- 002		
	BLK AAx PN 35 (J134)	Uxx-SLOT yy (J201)	CABLE	407444- 002		
	BLK AAx PN 36 (J135)	Uxx-SLOT yy (J201)	CABLE	407444- 002		
	BLK AAx PN 37 (J136)	Uxx-SLOT yy (J201)	CABLE	407444- 002		
	BLK AAx PN 38 (J137)	Uxx-SLOT yy (J201)	CABLE	407444- 002		
	BLK AAx PN 39 (J138)	Uxx-SLOT yy (J201)	CABLE	407444- 002		
	BLK AAx PN 40 (J139)	Uxx-SLOT yy (J201)	CABLE	407444- 002		
	BLK AAx PN 41 (J140)	Uxx-SLOT yy (J202)	CABLE	407444- 002		
	BLK AAx PN 42 (J141)	Uxx-SLOT yy (J202)	CABLE	407444- 002		
	BLK AAx PN 43 (J142)	Uxx-SLOT yy (J202)	CABLE	407444- 002		
	BLK AAx PN 44 (J143)	Uxx-SLOT yy (J202)	CABLE	407444- 002		
	BLK AAx PN 45 (J144)	Uxx-SLOT yy (J202)	CABLE	407444- 002		
	BLK AAx PN 46 (J145)	Uxx-SLOT yy (J202)	CABLE	407444- 002		
	BLK AAx PN 47 (J146)	Uxx-SLOT yy (J202)	CABLE	407444- 002		
	BLK AAx PN 48 (J147)	Uxx-SLOT yy (J202)	CABLE	407444- 002		
	BLK AAx PN 49 (J148)	Uxx-SLOT yy (J202)	CABLE	407444- 002		
	BLK AAx PN 50 (J149)	Uxx-SLOT yy (J202)	CABLE	407444- 002		
<b>RACAL Instruments, Inc., 4 Goodyear St., Irvine, CA 92718</b>						
DOCUMENT TITLE			SIZE	CODE NO.	DOCUMENT NO.	REV
HARNESS ASSEMBLY, 1260-75B, TTI			A	21793	407444-002	A
			DRN			SHEET 4 of 10

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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	407444- 002		
	BLK AAx PN 52 (J151)	Uxx-SLOT yy (J202)	CABLE	407444- 002		
	BLK AAx PN 53 (J152)	Uxx-SLOT yy (J202)	CABLE	407444- 002		
	BLK AAx PN 54 (J153)	Uxx-SLOT yy (J202)	CABLE	407444- 002		
	BLK AAx PN 55 (J154)	Uxx-SLOT yy (J202)	CABLE	407444- 002		
	BLK AAx PN 56 (J155)	Uxx-SLOT yy (J202)	CABLE	407444- 002		
	BLK AAx PN 57 (J156)	Uxx-SLOT yy (J202)	CABLE	407444- 002		
	BLK AAx PN 58 (J157)	Uxx-SLOT yy (J202)	CABLE	407444- 002		
	BLK AAx PN 59 (J158)	Uxx-SLOT yy (J202)	CABLE	407444- 002		
	BLK AAx PN 60 (J159)	Uxx-SLOT yy (J202)	CABLE	407444- 002		
	BLK AAx PN 61 (J160)	Uxx-SLOT yy (J203)	CABLE	407444- 002		
	BLK AAx PN 62 (J161)	Uxx-SLOT yy (J203)	CABLE	407444- 002		
	BLK AAx PN 63 (J162)	Uxx-SLOT yy (J203)	CABLE	407444- 002		
	BLK AAx PN 64 (J163)	Uxx-SLOT yy (J203)	CABLE	407444- 002		
	BLK AAx PN 65 (J164)	Uxx-SLOT yy (J203)	CABLE	407444- 002		
	BLK AAx PN 66 (J165)	Uxx-SLOT yy (J203)	CABLE	407444- 002		
	BLK AAx PN 67 (J166)	Uxx-SLOT yy (J203)	CABLE	407444- 002		
	BLK AAx PN 68 (J167)	Uxx-SLOT yy (J203)	CABLE	407444- 002		
	BLK AAx PN 69 (J168)	Uxx-SLOT yy (J203)	CABLE	407444- 002		
	BLK AAx PN 70 (J169)	Uxx-SLOT yy (J203)	CABLE	407444- 002		
	BLK AAx PN 71 (J170)	Uxx-SLOT yy (J203)	CABLE	407444- 002		
	BLK AAx PN 72 (J171)	Uxx-SLOT yy (J203)	CABLE	407444- 002		
	BLK AAx PN 73 (J172)	Uxx-SLOT yy (J203)	CABLE	407444- 002		
	BLK AAx PN 74 (J173)	Uxx-SLOT yy (J203)	CABLE	407444- 002		
	BLK AAx PN 75 (J174)	Uxx-SLOT yy (J203)	CABLE	407444- 002		
<b>RACAL Instruments, Inc., 4 Goodyear St., Irvine, CA 92718</b>						
DOCUMENT TITLE			SIZE	CODE NO.	DOCUMENT NO.	REV
HARNESS ASSEMBLY, 1260-75B, TTI			A	21793	407444-002	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	407444- 002		
	BLK AAx PN 77 (J176)	Uxx-SLOT yy (J203)	CABLE	407444- 002		
	BLK AAx PN 78 (J177)	Uxx-SLOT yy (J203)	CABLE	407444- 002		
	BLK AAx PN 79 (J178)	Uxx-SLOT yy (J203)	CABLE	407444- 002		
	BLK AAx PN 80 (J179)	Uxx-SLOT yy (J203)	CABLE	407444- 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>RACAL Instruments, Inc., 4 Goodyear St., Irvine, CA 92718</p>						
DOCUMENT TITLE			SIZE	CODE NO.	DOCUMENT NO.	REV
HARNESS ASSEMBLY, 1260-75B, TTI			A	21793	407444-002	A
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## ENGINEERING WIRE LIST

WIRE	FROM	TO	TYPE	PART #	WIRE LEN	REFERENCE
1	J100 602196-900	J200-A 602220-900	COAX	500269	40"	CHANNEL 00
2	J101 602196-900	J200-B 602220-900	COAX	500269	40"	CHANNEL 01
3	J102 602196-900	J200-C 602220-900	COAX	500269	40"	CHANNEL 02
4	J103 602196-900	J200-D 602220-900	COAX	500269	40"	CHANNEL 03
5	J104 602196-900	J200-E 602220-900	COAX	500269	40"	CHANNEL 04
6	J105 602196-900	J200-F 602220-900	COAX	500269	40"	CHANNEL 10
7	J106 602196-900	J200-H 602220-900	COAX	500269	40"	CHANNEL 11
8	J107 602196-900	J200-J 602220-900	COAX	500269	40"	CHANNEL 12
9	J108 602196-900	J200-K 602220-900	COAX	500269	40"	CHANNEL 13
10	J109 602196-900	J200-L 602220-900	COAX	500269	40"	CHANNEL 14
11	J110 602196-900	J200-M 602220-900	COAX	500269	40"	CHANNEL 20
12	J111 602196-900	J200-N 602220-900	COAX	500269	40"	CHANNEL 21
13	J112 602196-900	J200-P 602220-900	COAX	500269	40"	CHANNEL 22
14	J113 602196-900	J200-R 602220-900	COAX	500269	40"	CHANNEL 23
15	J114 602196-900	J200-S 602220-900	COAX	500269	40"	CHANNEL 24
16	J115 602196-900	J200-T 602220-900	COAX	500269	40"	CHANNEL 30
17	J116 602196-900	J200-U 602220-900	COAX	500269	40"	CHANNEL 31
18	J117 602196-900	J200-V 602220-900	COAX	500269	40"	CHANNEL 32
19	J118 602196-900	J200-W 602220-900	COAX	500269	40"	CHANNEL 33
20	J119 602196-900	J200-X 602220-900	COAX	500269	40"	CHANNEL 34
21	J120 602196-900	J201-A 602220-900	COAX	500269	40"	CHANNEL 40
22	J121 602196-900	J201-B 602220-900	COAX	500269	40"	CHANNEL 41
23	J122 602196-900	J201-C 602220-900	COAX	500269	40"	CHANNEL 42
24	J123 602196-900	J201-D 602220-900	COAX	500269	40"	CHANNEL 43
25	J124 602196-900	J201-E 602220-900	COAX	500269	40"	CHANNEL 44

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

DOCUMENT TITLE	SIZE	CODE NO.	DOCUMENT NO.	REV
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## ENGINEERING WIRE LIST

WIRE	FROM	TO	TYPE	PART #	WIRE LEN	REFERENCE
26	J125 602196-900	J201-F 602220-900	COAX	500269	40"	CHANNEL 50
27	J126 602196-900	J201-H 602220-900	COAX	500269	40"	CHANNEL 51
28	J127 602196-900	J201-J 602220-900	COAX	500269	40"	CHANNEL 52
29	J128 602196-900	J201-K 602220-900	COAX	500269	40"	CHANNEL 53
30	J129 602196-900	J201-L 602220-900	COAX	500269	40"	CHANNEL 54
31	J130 602196-900	J201-M 602220-900	COAX	500269	40"	CHANNEL 60
32	J131 602196-900	J201-N 602220-900	COAX	500269	40"	CHANNEL 61
33	J132 602196-900	J201-P 602220-900	COAX	500269	40"	CHANNEL 62
34	J133 602196-900	J201-R 602220-900	COAX	500269	40"	CHANNEL 63
35	J134 602196-900	J201-S 602220-900	COAX	500269	40"	CHANNEL 64
36	J135 602196-900	J201-T 602220-900	COAX	500269	40"	CHANNEL 70
37	J136 602196-900	J201-U 602220-900	COAX	500269	40"	CHANNEL 71
38	J137 602196-900	J201-V 602220-900	COAX	500269	40"	CHANNEL 72
39	J138 602196-900	J201-W 602220-900	COAX	500269	40"	CHANNEL 73
40	J139 602196-900	J201-X 602220-900	COAX	500269	40"	CHANNEL 74
41	J140 602196-900	J202-A 602220-900	COAX	500269	40"	CHANNEL 80
42	J141 602196-900	J202-B 602220-900	COAX	500269	40"	CHANNEL 81
43	J142 602196-900	J202-C 602220-900	COAX	500269	40"	CHANNEL 82
44	J143 602196-900	J202-D 602220-900	COAX	500269	40"	CHANNEL 83
45	J144 602196-900	J202-E 602220-900	COAX	500269	40"	CHANNEL 84
46	J145 602196-900	J202-F 602220-900	COAX	500269	40"	CHANNEL 90
47	J146 602196-900	J202-H 602220-900	COAX	500269	40"	CHANNEL 91
48	J147 602196-900	J202-J 602220-900	COAX	500269	40"	CHANNEL 92
49	J148 602196-900	J202-K 602220-900	COAX	500269	40"	CHANNEL 93
<b>RACAL Instruments, Inc., 4 Goodyear St., Irvine, CA 92718</b>						
DOCUMENT TITLE			SIZE	CODE NO.	DOCUMENT NO.	REV
HARNESS ASSEMBLY, 1260-75B, TTI			A	21793	407444-002	A
			DRN			SHEET 8 of 10

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## ENGINEERING WIRE LIST

WIRE	FROM	TO	TYPE	PART #	WIRE LEN	REFERENCE
50	J149 602196-900	J202-L 602220-900	COAX	500269	40"	CHANNEL 94
51	J150 602196-900	J202-M 602220-900	COAX	500269	40"	CHANNEL 100
52	J151 602196-900	J202-N 602220-900	COAX	500269	40"	CHANNEL 101
53	J152 602196-900	J202-P 602220-900	COAX	500269	40"	CHANNEL 102
54	J153 602196-900	J202-R 602220-900	COAX	500269	40"	CHANNEL 103
55	J154 602196-900	J202-S 602220-900	COAX	500269	40"	CHANNEL 104
56	J155 602196-900	J202-T 602220-900	COAX	500269	40"	CHANNEL 110
57	J156 602196-900	J202-U 602220-900	COAX	500269	40"	CHANNEL 111
58	J157 602196-900	J202-V 602220-900	COAX	500269	40"	CHANNEL 112
59	J158 602196-900	J202-W 602220-900	COAX	500269	40"	CHANNEL 113
60	J159 602196-900	J202-X 602220-900	COAX	500269	40"	CHANNEL 114
61	J160 602196-900	J203-A 602220-900	COAX	500269	40"	CHANNEL 120
62	J161 602196-900	J203-B 602220-900	COAX	500269	40"	CHANNEL 121
63	J162 602196-900	J203-C 602220-900	COAX	500269	40"	CHANNEL 122
64	J163 602196-900	J203-D 602220-900	COAX	500269	40"	CHANNEL 123
65	J164 602196-900	J203-E 602220-900	COAX	500269	40"	CHANNEL 124
66	J165 602196-900	J203-F 602220-900	COAX	500269	40"	CHANNEL 130
67	J166 602196-900	J203-H 602220-900	COAX	500269	40"	CHANNEL 131
68	J167 602196-900	J203-J 602220-900	COAX	500269	40"	CHANNEL 132
69	J168 602196-900	J203-K 602220-900	COAX	500269	40"	CHANNEL 133
70	J169 602196-900	J203-L 602220-900	COAX	500269	40"	CHANNEL 134
71	J170 602196-900	J203-M 602220-900	COAX	500269	40"	CHANNEL 140
72	J171 602196-900	J203-N 602220-900	COAX	500269	40"	CHANNEL 141
73	J172 602196-900	J203-P 602220-900	COAX	500269	40"	CHANNEL 142
74	J173 602196-900	J203-R 602220-900	COAX	500269	40"	CHANNEL 143
<b>RACAL Instruments, Inc., 4 Goodyear St., Irvine, CA 92718</b>						
DOCUMENT TITLE			SIZE	CODE NO.	DOCUMENT NO.	REV
HARNESS ASSEMBLY, 1260-75B, TTI			A	21793	407444-002	A
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## ENGINEERING WIRE LIST

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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 1260-75 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.**

26 Ayer Rajah Crescent, 04-06/07 Ayer Rajah Industrial  
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