SWITCH	POSITION	FUNCTION
1	 ON OFF (+)	FORCED CARRIER-DETECT SWITCH Forces carrier detect. Allows true carrier detect.
2	 ON OFF (+)	FORCED DTR SWITCH Forces DTR asserted. Allows true DTR.
3	 ON OFF (+)	AUTO-ANSWER CONTROL SWITCH Modem will auto answer. Modem will not auto answer.
4	 ON OFF (+)	ECHO CONTROL SWITCH Only result codes are sent. Commands are echoed.
5	 ON (+) OFF	VERBAL RESULT CODES SELECT SWITCH Verbal codes are sent. Numeric codes are sent.
6	 ON OFF (+)	COMMAND RECOGNITION CONTROL SWITCH Does not respond to commands. Numeric codes are sent.
7	 ON OFF (+)	SEND RESULT CODES CONTROL SWITCH Does not send result codes Send result codes.

When you power up the computer, the values set by the switches on the modem
board become operative. You can override switches 3, 4, 5 and 7 using com-
mands.

Switch 3		This switch setting determines whether the modem will answer incoming calls.
ON	(SO=1)	Sets the modem to answer a call within one ring.
OFF	(SO=0)	Sets the modem so that it will not answer calls.
NOTE:		The n parameter can be set to any value from 0 to 255 by the SO=n command. However, setting Switch 3 to the on position always sets the modem to answer the phone after one ring, overridden by a software command.

Switch 4	This switch setting determines whether keystrokes are echoed back to the screen when the modem is in the command state.

ON	(EO)	Only result codes are sent . Commands are not echoed.
OFF	(E1)	Commands are echoed.

Switch 5		This switch selects the type of result codes displayed.
ON	(V1)	Displays verbal codes.
OFF	(VO)	Displays numeric codes.

Switch 7		This switch determines whether the result codes are sent to the screen.
ON	(Q1)	The codes are not displayed.
OFF	(QO)	Displays result codes.

Switches 1,2, and 6 cannot be overridden by direct commands to the modem.

You should use the default setting with communications software in most cases.

Please note the following exceptions and change the switch settings if required before you install the modem into your computer.

*AUTO-ANSWER
Switch 3 controls the auto-answer operation. In the ON position, the modem is set to answer the phone automatically. When the modem needs to share the phone line with people, it is probably better to turn auto-answer off by set ting Switch 3 to OFF. The modem can then be set to auto-answer via software. If the line is used only for data, the auto-answer should be left on.

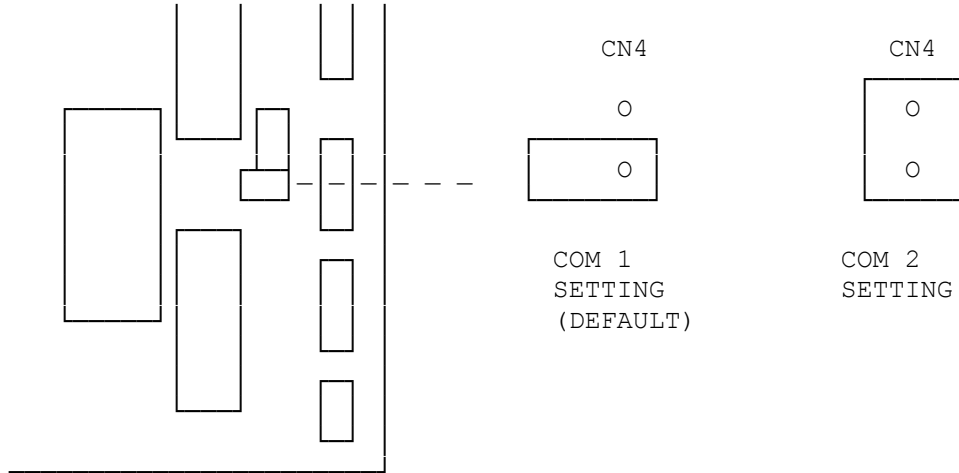| USE OF PHONE LINE	POSITION OF SWITCH 3	RESULT
Data only	ON	Modem will automatically answer all incoming calls.
Data and voice	OFF	Modem will not answer incoming calls unless commanded.

_____

JUMPERS

COM PORT
_____

SELECTING A COM PORT
Most computers allow two Com ports, Com 1 and 2, to identify the I/O
address map for each serial device. Shorting connector CN4 is factory set
to select Com 1. If you want to select Com 2, change the jumper position
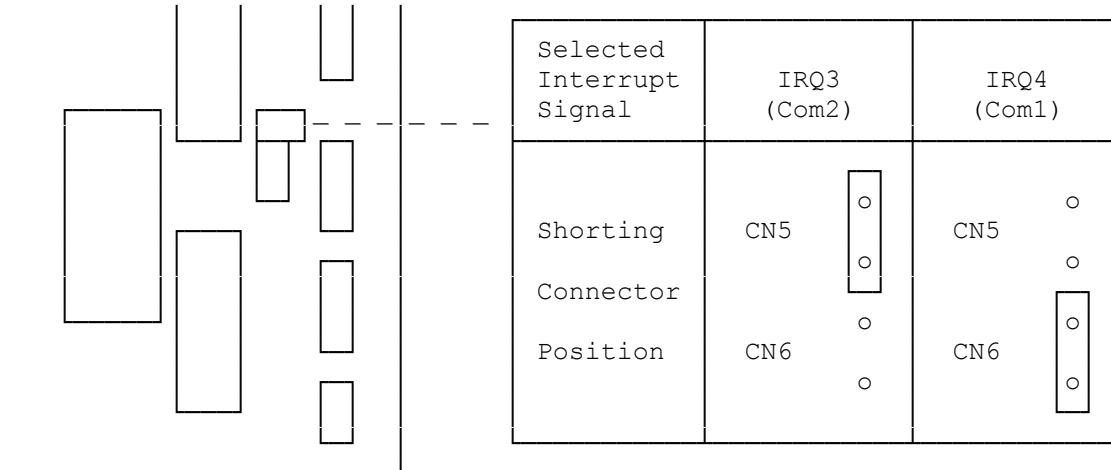so that it covers both pins.

If you communications software allows you to select a com port, be sure to
select the same port you set with CN4.

```
  ___        __   __
 |   |      |  | |  |              CN4                 CN4
 |   |      |  | |  |                                 ____
 |   |   __ |  |  __               O                 |  O |
 |   |  |  ||  ||  |                                  |    |
 |   | _||_ |  ||  | _  _  _       ____              |  O |
 |   ||    ||  ||  |_|  |_         |  O |             |____|
 |   | |__| |  ||  |              |____|
 |___|      |  ||  |              COM 1              COM 2
       | __ |  ||  |              SETTING            SETTING
       ||  ||  ||__|              (DEFAULT)
       ||  ||  |
       ||__||  ||__|
       |    |  ||  |
       |____|  ||  |
        _____||__|
```
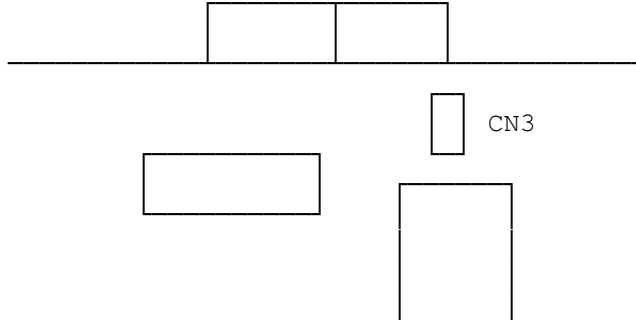
_____

SELECTING THE INTERRUPT SIGNAL

The interrupt signal IRQ3 and IRQ4 are used to inform the I/O condition of
the modem to your computer. The modem is set to output IRQ4 through
shorting connector CN6. If you already used the IRQ4 interrupt for another
device, select IRQ3 by changing the socket position.

    NOTE: The interrupt signal should match with the I/O port you have
    assigned for the modem. If you assigned Com 1, you must select IRQ4.
    If you assigned Com 2, select IRQ3.

Selected Interrupt Signal	IRQ3 (Com2)		IRQ4 (Com1)	
Shorting	CN5	O O	CN5	O O
Connector				
Position	CN6	O O	CN6	O O

MULTI-LINE BUSINESS PHONE CONNECTION

If you are planning to connect the modem to a multi-line business phone, you have to change the position of jumper connector CN3. Remove the jumper and reinsert it so that it covers both pins as shown below. This is necessary on some key systems to signal the local network that the line is in use (A-A1 signaling).

```
                    ┌───────┬───────┐
                    │       │       │
         ───────────┘       └───────┴──┐
                                       │
                            ┌─┐        │
                            │ │ CN3    │
                            │ │        │
         ┌───────────┐      └─┘        │
         │           │                 │
         └───────────┘   ┌─────┐       │
                         │     │       │
                         │     │       │
                         │     │       │
                         └─────┘
```

```
Multi-line       ┌───────┐          ┌───┐   Default Setting
Use Position     │ O   O │          │O│ O│
                 └───────┘          └───┘

                    CN3                CN3
```

(dkh-07/29/93)