

#### 4.4.1 SERIAL I/O INTERFACE -- CONNECTOR J1

The iSBC 386/20P board provides one RS-232C 10-pin (9 lead) serial I/O interface on Connector J1. It is configured to operate as a Data Terminal Equipment (DTE) device which supports the IBM 9-pin DTE serial standard. Section 3.5 shows the cable assembly to interface J1 to a 9-pin DCE, 25-pin DCE, and 25-pin DTE connector. Table 4-18 lists the pin assignments and signals on each pin of Connector J1.

The serial interface has only one jumper option: the configuration of the Ringing Indicator (RI) from the interface to an interrupt. Section 4.3.2.1 explains how to connect RI to a PIC interrupt.

Refer to EIA standard RS-232C for the specific AC/DC specifications for the serial interface.

Table 4-18. Connector J1 RS-232C Pin Assignment

J1 Pin Number	RS-232C Signal Name	RS-232C Signal Function
1	nc	No Connection
2	GND	Ground
3	RI	Ring Indicator (input)
4	DTR	Data Terminal Ready (output)
5	CTS	Clear to Send (input)
6	TD	Transmit Data (output)
7	RTS	Request to Send (output)
8	RD	Receive Data (input)
9	nc	No Connection
10	CD	Carrier Detect (input)

#### 4.4.2 MULTIBUS® INTERFACE -- CONNECTOR P1

The iSBC 386/20P board contains an 86-pin MULTIBUS connector (P1) for interfacing to other system's functions. Memory accessed off-board via the MULTIBUS interface is explained in Section 4.2.4. The following sections describe the interface and how you can change its operation.

Refer to the INTEL MULTIBUS SPECIFICATION for the pin assignments and AC/DC characteristics of Connector P1.