

## Appendix D

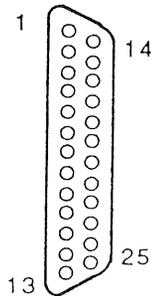
### EXTERNAL PORT PIN ASSIGNMENTS

#### RS-232 PORT

This is a full bidirectional RS-232 port with the capability to respond to a serial input. The port serves a dual purpose in that if an RS-232 is not desired, the port can be used as a printer output. Software determines if the port functions as an RS-232 bidirectional port or as an output-only printer port. 25 pin female "D" connector on Processor Module for RS-232 interface at the side panel. Drawing shows pins as seen from a side view of the Analyzer.

PIN

1	GND
2	TXD (transmit data)
3	RXD (receive data)
4	RTS (request to send)
5	CTS (clear to send)
6	DSR (data set ready)
7	SIG GND (signal ground)
8	DCD* (data carrier detect)
9-19	not used
20	DTR* (data terminal ready)
21-25	not used



DCD\* (Data Carrier Detect) input is not used in this application.

DSR\* (Data Set Ready) is a general purpose input that is used for modem control. This line is not used when a printer is connected.

DTR\* (Data Terminal Ready) is a general purpose output to indicate the Analyzer is ready to receive more data on the RXD line.

RTS\* and CTS\* (Request-To-Send, Clear-To-Send) are handshaking signals used in RS232 communications.

RXD (Receive Data) input signal is the data received. If this connector is used as a printer output, the RXD pin is not used.

TXD (Transmit Data) output signal is the data being transmitted.

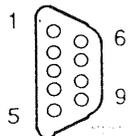
NOTE: For printer use, pins 5 and 20 of this port should be tied together inside the cable to the printer. 30-80387B58 printer cable provides the required interface.

#### RGB COLOR MONITOR PORT

9 pin female "D" connector at Processor Module for side panel interface with an external color monitor. Drawing shows pins as seen from a side view of the Analyzer.

PIN

1, 2	GND
3	RED
4	GREEN
5	BLUE
6	INTENSITY
7	not used
8	HSYNC (horizontal sync)



9 VSYNC (vertical sync)

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## REAR PANEL DC INPUT PORT

Drawing shows pins as seen from a rear view of the Analyzer.

Positive DC voltage must be between +11 and +18VDC.

Either "+" pin may be used for the positive DC voltage since these two pins are tied together at the 10 amp DC fuse.

