

# Appendix A

## Processor Module Serial Ports

### Programmer/Port B

If it is necessary to prepare a cable to connect a personal computer to the Multibus rack-based Processor, follow the steps outlined below. See the PC3000 User Manual (J2-3096) for more information about connecting the PC3000 Processor to the personal computer.

#### WARNING

**THE FOLLOWING INSTRUCTIONS ARE INTENDED ONLY TO ALLOW FABRICATION OF PROPER CONNECTIONS BETWEEN RELIANCE EQUIPMENT AND USER-PROVIDED PROGRAMMING DEVICES. THE USER MUST READ AND UNDERSTAND ALL APPLICABLE INSTRUCTION MANUALS PRIOR TO OPERATING THE EQUIPMENT. FAILURE TO OBSERVE THIS PRECAUTION COULD RESULT IN BODILY INJURY.**

1. Determine whether your programming terminal contains a 9- or 25-pin male connector.
2. Cut a suitable length (not to exceed 10 feet) of 22-gauge, multi-conductor cable.
3. Follow the connector manufacturer's instructions and make cable connections using figure 1 or 2, whichever is applicable.
4. Check for grounds, shorts, and continuity using an Ohmmeter.
5. Read and understand all applicable Reliance instruction manuals before connecting the cables to Reliance equipment.

Programming Terminal End of Cable 25-Pin Female Connector			Reliance End of Cable 25-Pin Male Connector	
SIGNAL	PIN#		PIN#	SIGNAL
RECV	3	←	2	XMIT
XMIT	2	→	3	RECV
CTS	5	←	4	RTS
RTS	4	→	5	CTS
DTR	20	→	6	DSR
DSR	6	←	20	DTR
COM	7	↔	7	COM

Figure 1

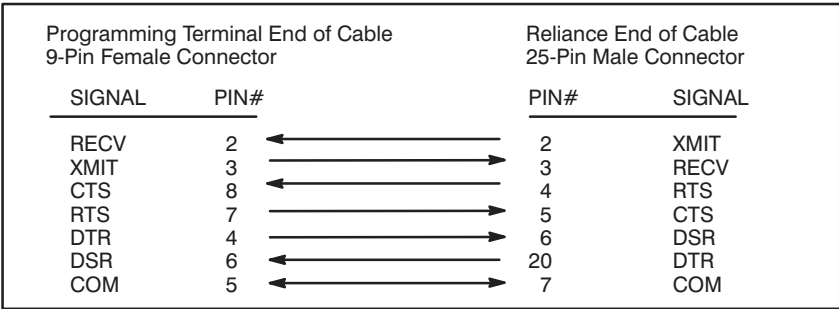


Figure 2

### User Serial Ports

All Processor module ports except for the port "PROGRAMMER/PORT B" on the leftmost Processor in the rack are available to the user to connect to an external device. In order for the application software to be able to use a serial port, you must first use the OPEN statement in a BASIC task. Refer to the Enhanced BASIC Language Instruction Manual (J-3675) for more information. Note that on AutoMax Processor modules, you can OPEN "PORTA" or OPEN "PORTB". For the PC3000 Processor, the number of serial ports available depends on the setting of Jumper J2.