Horner APG's SNP to RS232 Adapter
Product Specifications and Installation Data

1 RS232 SERIAL PORT WIRING

The HE693SNP232 SNP to RS-232 Adapter is equipped with two ports. The 15-pin "SNP" port plugs directly into the PLC Programmer Port on the CPU rack power supply. Power to the SNP Adapter is supplied directly from the programming port (maximum 100mA@5VDC). The 9-pin RS-232 port connects to any RS-232 device. The "pinout" for the HE693SNP232 Adapter serial ports are defined below. The direction indicated is with respect to the adapter.

Table 1 – 15-pin Port

Pin Number	Signal Name	Direction
1, 3, 7	[0V] Ground	N/A
2, 5	[+5V] VCC	N/A
4	No Connection	N/A
6	[CTS-} Clear to Send	Input
8	[RTS+] Request to Send	Output
9, 10	[TXD-] Transmit Data	Output
11	[TXD+] Transmit Data	Output
12	[RXD-] Receive Data	Input
13	[RXD+] Receive Data	Input
14	[CTS+] Clear to Send	Input
15	[RTS-] Request to Send	Output

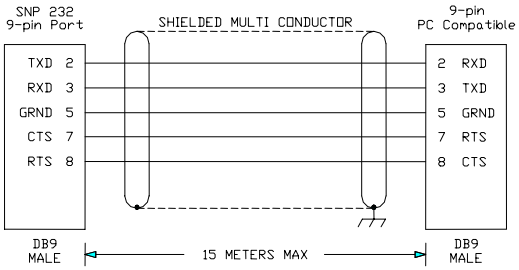
Table 2 – 9-pin Port

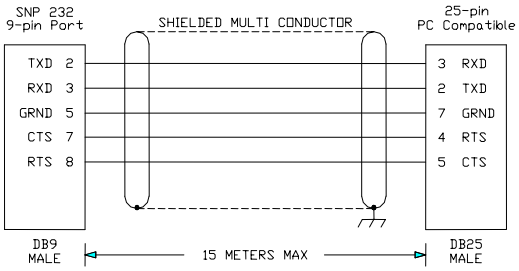
Pin Number	Signal Name	Direction
2	[TXD] Transmit Data	Output
3	[RXD] Receive Data	Input
5	[GND] Ground	N/A
7	[CTS] Clear to Send	Input
8	[RTS] Request to Send	Output

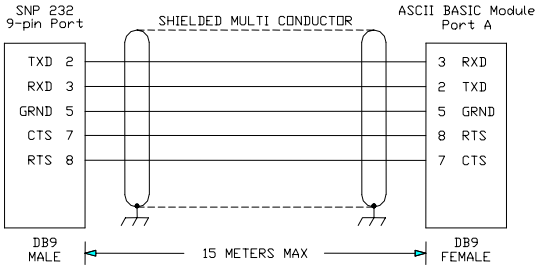
This pinout was chosen to allow direct connection (using a straight through, or 1 to 1 cable) to the IBM PC/AT. Nearly ALL of the IBM compatible computers equipped with a 9-pin RS232 port will provide a pinout compatible with that shown above.

2 CABLE DIAGRAMS

When connecting the SNP adapter to IBM compatible PCs with hardware handshaking, the following cable interface should be used.







3 XT ADAPTER PINOUT

The XT Adapter can be used on an IBM compatible PC, which has a 25-pin RS232 port. The internal wiring of the XT Adapter is show below.