

TECH NOTES

PE 1300-001 MODEM BOARD

The Modem Board allows the Encoder and Decoder boards to communicate with other sites using FSK communications. It supports several communication configurations over dedicated copper pairs or leased lines. Up to 10 miles is possible using 24 AWG dedicated copper pairs. The distance is unlimited for leased lines or connecting to T1 voice grade Muxes.

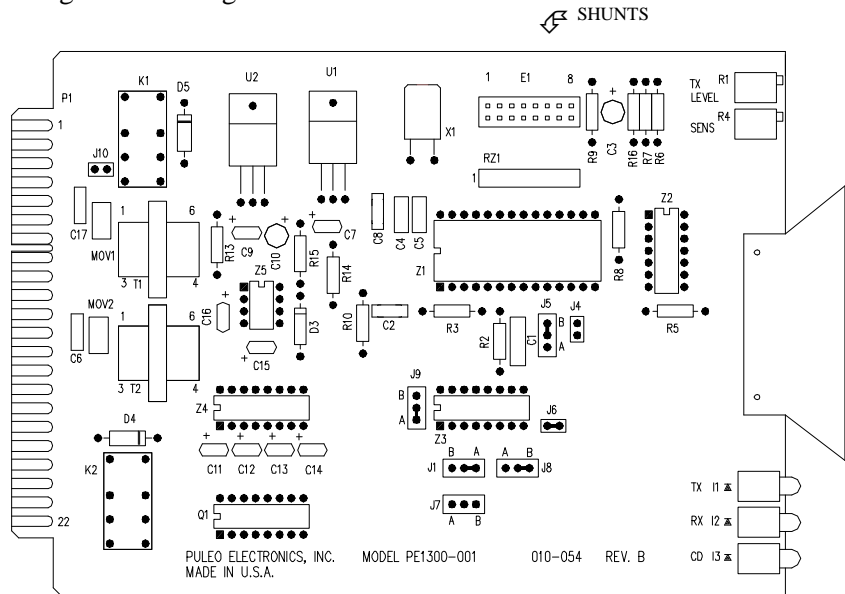
PE 1300-001 Modem Layout

Gold Fingers

- 2 Grd
- 3 +12V

- 5, 6 Receive 4 Wire Mode Only
- 12, 13 Transmit 4 Wire Mode Only
- Transmit / Receive - 2 Wire

- 14 RTS (High turns Transmitter On)
- 15 TX Data (from Encoder)
- 17 RX Data (to Decoder)

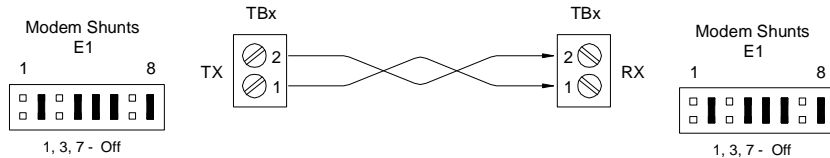


Note: Not all components installed, options exist.

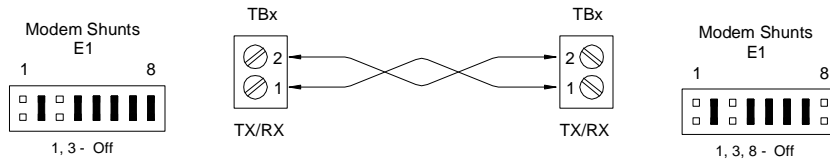
Indicators
 Red Flickering – TX
 Amber Flickering – RX
 Green Steady – CD

Applications (Factory Default Checked)

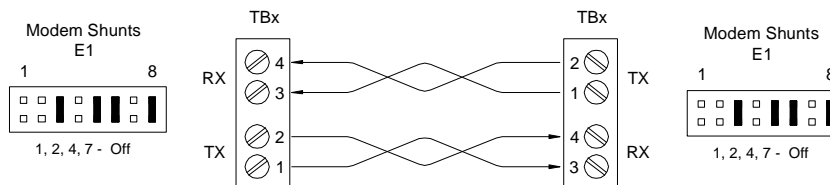
- 2 Wire Half Duplex, 1200 Baud



- 2 Wire Full Duplex, 300 Baud



- 4 Wire Full Duplex, 1200 Baud



Do not change board strap settings unless you fully understand their function and require a different feature.