

# TECH NOTES

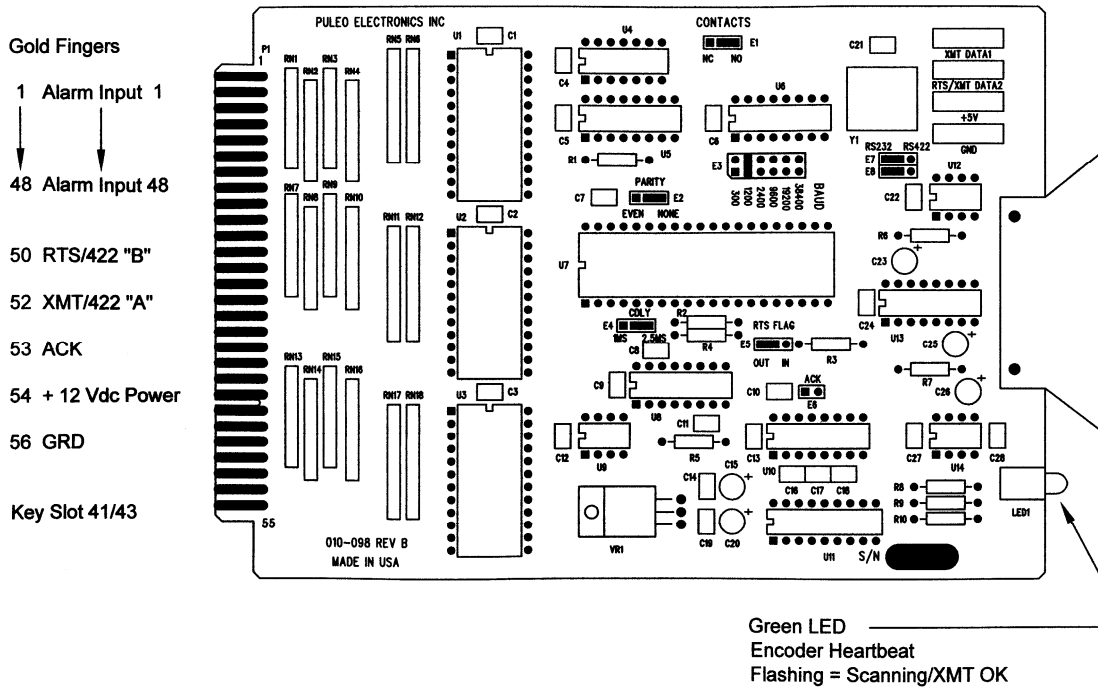
## PE 201-21-1 ENCODER BOARD

The Encoder board takes in 48 Dry Contacts and outputs a Serial data stream. Factory default configuration is for Normally Open contacts, with communication parameters set for 7 data bits, no parity, 1 stop bit (7N1) at 1200 Baud.

| E1 | E2   | E3   | E4  | E5  | E6  | E7-8  |
|----|------|------|-----|-----|-----|-------|
| NO | None | 1200 | 2.5 | Out | Off | RS232 |

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

### PE 201-21-1 Encoder Layout



### Strap

### Description

- E1 Contacts - Sets all Contact inputs for *Normally Open* or *Normally Closed* operation
- E2 Parity - Sets Parity for *Even* or *None*
- E3 Baud - Sets Data transmission rate to 300, 1200, 2400, 9600, 19200, 38400
- E4 CDLY - Sets intercharacter delay to 1ms or 2.5 ms
- E5 RTS Flag - Sets flag at static 12V in *Out* position, acts as ACK trigger for Input position
- E6 ACK - Allows Computer to generate Ack output for Annunciators
- E7/E8 RSxxx - Strap Pair sets Transmission type to RS232 or RS422

### Notes:

1. Baud, Parity and Transmission type must match the Computer or Decoder receiving device.
2. Always start with the 2.5ms Character delay. After establishing communications with the receiving device the 1ms settings can be used if the receiving device is fast enough to maintain reliable communications.
3. Optional ACK can be used with Puleo NMS Alarm software to perform simultaneous Annunciator Acknowledge (RS232 mode only, See NMS manual for more information).