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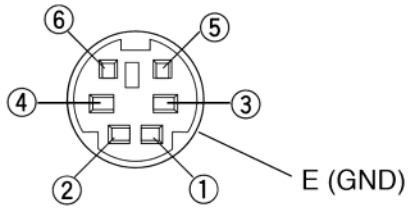
Note:

- *If the TX delay of your TNC is not long enough, connection errors may occur. If connection errors frequently occur, it is recommended to set the TX delay parameter on the TNC to 300 ms by using your computer.*
- *Using a modulator input level that is far different from the optimum 40 mV_{P-P} or 2 V_{P-P} specifications may result in deterioration of the S/N ratio or signal distortion. This could result in increased errors or a complete failure to connect with other stations.*
- *If the modulator input level exceeds approximately 3 V_{P-P}, the limiter circuit functions to maintain the same transmit bandwidth as that of 3 V_{P-P}.*
- *Packet operation, easily affected by transmit and receive conditions, requires a full-scale S-meter reading for reliable communication. When the S-meter reads less than maximum during 9600 bps operation, communication errors are frequent.*
- *Inputting 9600 bps GMSK signals at too high a level or inputting significantly distorted signals into the transceiver can cause errors and a wide transmit bandwidth that may interfere with other stations.*

■ DATA Connector Pin Functions

This section describes each pin of the DATA connector equipped on this transceiver.

DATA connector



Pin No.	Pin Name	Function
1	PKD	Packet data input • TX data from TNC to transceiver
2	DE	Ground for PKD
3	PKS	Packet standby • TNC can use this pin to inhibit the transceiver microphone input while transmitting packet signals.
4	PR9	Output of detected 9600 bps data (500 mV_{P-P}, 10 kΩ) • Also functions as a common pin for 1200 bps and 9600 bps data output.
5	PR1	Output of detected 1200 bps data (500 mV_{P-P}, 10 kΩ)
6	SQC	Squelch control output • Inhibits TNC data transmitting while transceiver squelch is open. • Prevents interference to voice communications on the same frequency. Also prevents retries. • Output Level Open squelch: +5 V (High) Closed squelch: 0 V (Low)

Note:

- *If your TNC has a common pin for 1200 bps and 9600 bps data input, connect this pin to the DATA connector PR9 pin. Shorting the PR9 and PR1 pins will cause the TNC to malfunction.*
- *When DC voltage is input to the PR1 pin, the TNC may not function. If this problem happens, add a 10 μF capacitor between the PR1 pin and the TNC. Be careful with the polarity of the capacitor.*