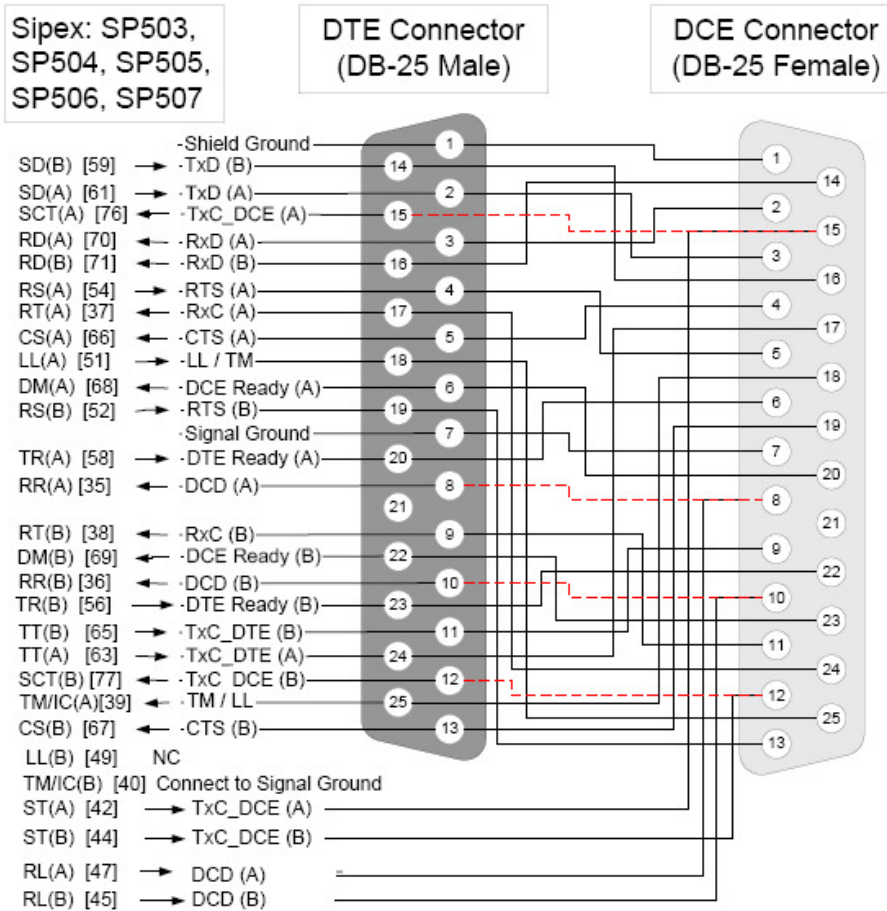


Signal Routing for 80-pin Multiprotocol

Example Connections and Cross-Overs valid for TIA/EIA-530, RS-232, V.35 and V.36



Notes:

- SP503, SP504/514, SP505, SP506, SP507 upgrade path in 80 pin QFP package
- Crossover routing is required to convert from DTE to DCE
- Either route DTE and DCE to two connectors or use crossover/null-modem adaptor
- TxC and DCD signals do not cross-over; either route to separate DCE and DTE connectors or implement signals as directional-controlled pins (red dashed lines)
- Implement RI and RL signals using a separate V.10 transceiver if required
- SP503 requires external termination for the V.11 and V.35 clock and data signals
- SP504 contains built-in termination for V.11 and V.35. Add external 150 ohm resistors on pins 59, 44 and 65 to comply with V.35 driver short-circuit impedance
- SP505, SP506, SP507 contain complete built-in termination for all modes
- SP507 termination may be disabled using the /TERM_OFF pin to support diagnostics or multi-drop operation

For further assistance:

Email: Sipexsupport@sipex.com
WWW Support page: <http://www.sipex.com/content.aspx?p=support>
Live Technical Chat: <http://www.geolink-group.com/sipex/>
Sipex Application Notes: <http://www.sipex.com/applicationNotes.aspx>



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