Interface Cable: Kenwood TKR–x50 to Pacific Research RI–300 Controller

To: RI–300 Controller

To: Kenwood TKR–x50 Repeater

D–SUB, 15–Pin Female

D–Sub, 25–Pin Male

Audio Gnd	P1–10	1000uH	P2–12	RXG
RX In	P1–2		P2–10	RD
TX Out	P1–3		P2–8	TD
PTT Out	P1–4		P2–16	EPTT
+12 Power	P1–1			
Power Gnd	P1–9			
RSSI (Optional)	P1–5			

P3–1 +12V Power
P3–4 Power Gnd
P3–8 RSSI (Optional)
P3–9 Monitor Out
P3–12 Monitor In

Housing: Molex 03–06–2152
Pins: Molex 02–06–2132
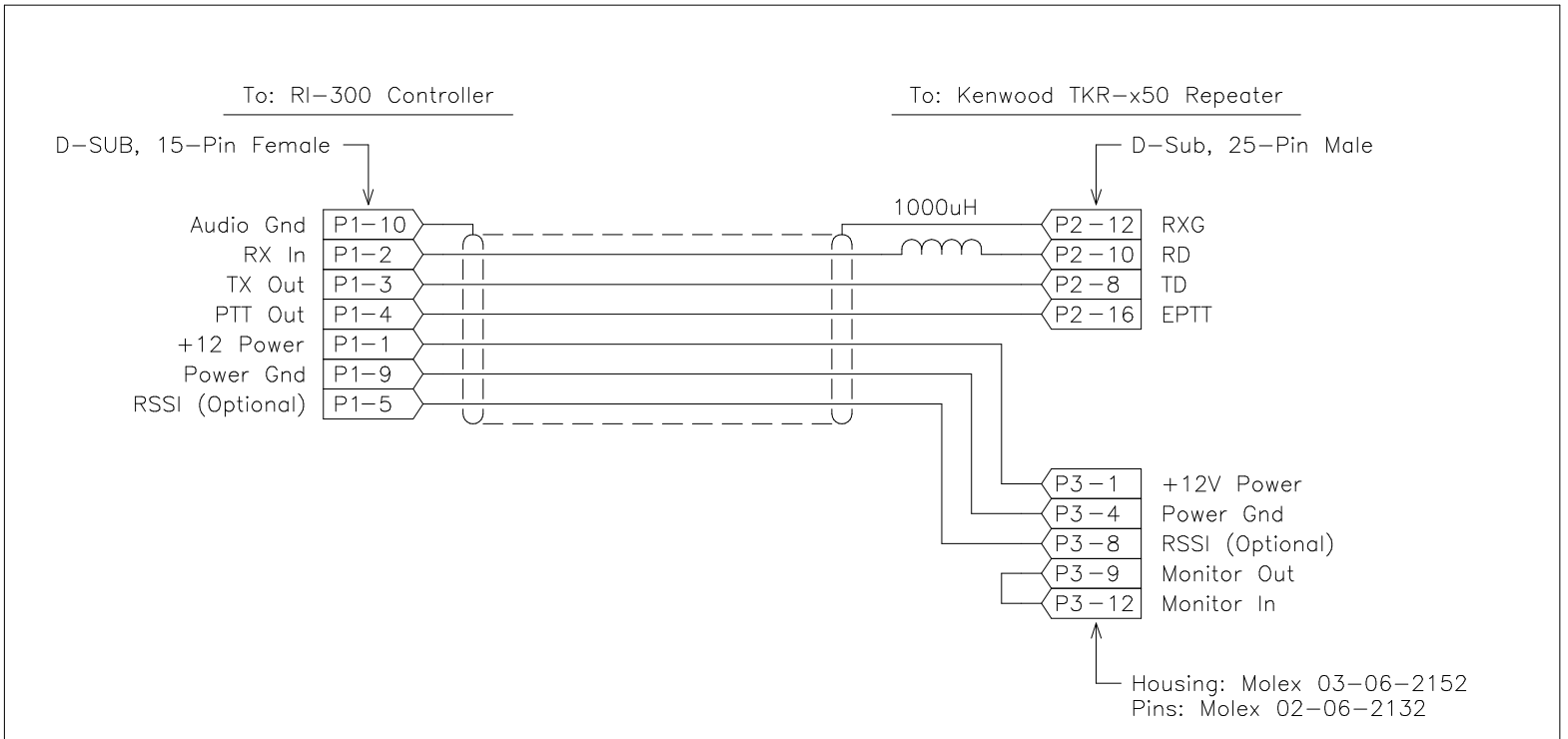
Program Setting for Kenwood TKR–x50 Repeater

1) Set TX and RX Frequency

2) Set QT/DSQ Encode and Decode to "None".

3) Set "Repeat" and "CW ID" to "NO".

4) In Test Mode, Set TD Level to 130.

5) In Test Mode, Set RD Level to 130.

Hardware Setting for Kenwood TKR–x50 Repeater

1) Place labels on front panel of repeater [   ] [Rpt Dis] [TX Dis] [Take Over] [Moni] [Ch Up]

2) Remove both TX and RX covers.

3) Jumper battery charge circuit in TX section by adding solder to lands.
   These lands are located next to the orange wire and K1 relay.

4) Tune receiver to Kenwood specifications.

Program Setting for Pacific Research RI–300 Controller

1) Set Transmitter Modulation Level (S–Cmd 127) to 7.

2) Set Tone Squelch Encode Level (S–Cmd 24045) to 45.