September 1st 2025

Helimod Board v5 Wiring Layout

Programmable I/O
Digital Tab – IOP_GPIO1 to Conventional, Input, External PTT 1, Low, Debounce 10
Audio Tab – EPTT1 to Tap In T5, Flat or Emphasised
PTT Tab – External PTT (1) Audio Source to Audio Tap In
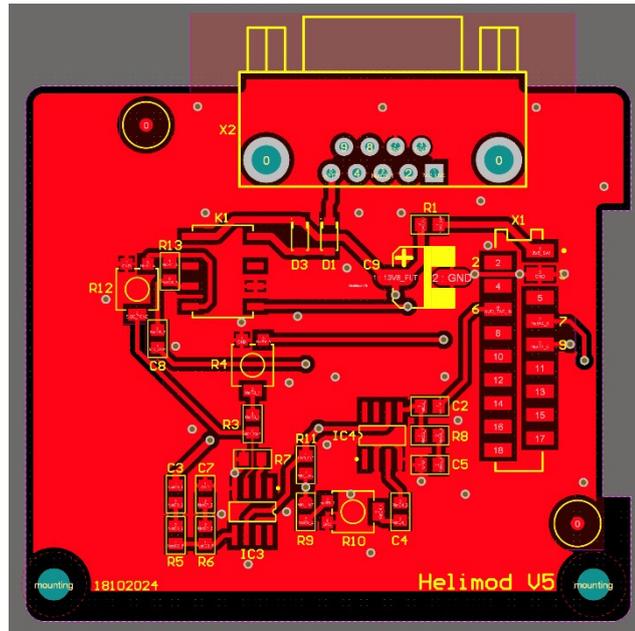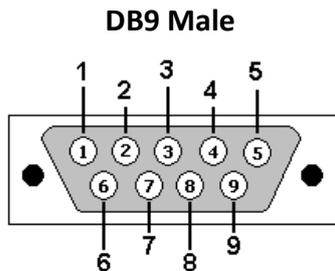
Adjustments
Mic Trimpot (R10) - Adjust for 1.5 kHz deviation at 1kHz tone, distortion <3%
Sidetone Trimpot (R12) – Adjust for ~0.10V RMS audio at 50% volume, distortion <1% (max 3%)
Speaker Trimpot (R4) – Adjust for 1.10v RMS sidetone level

External Connections – DB9 Male Plug
1. Mic Live
2. NC
3. Audio Out
4. NC
5. PTT
6. Mic GND
7. GND
8. NC
9. NC

DB9 Male

Part No - HELIMODV5	Revision 1.8	Copyright
Connections and Programming	Sheet 1 of 1	Summit Radio Solutions Ltd
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