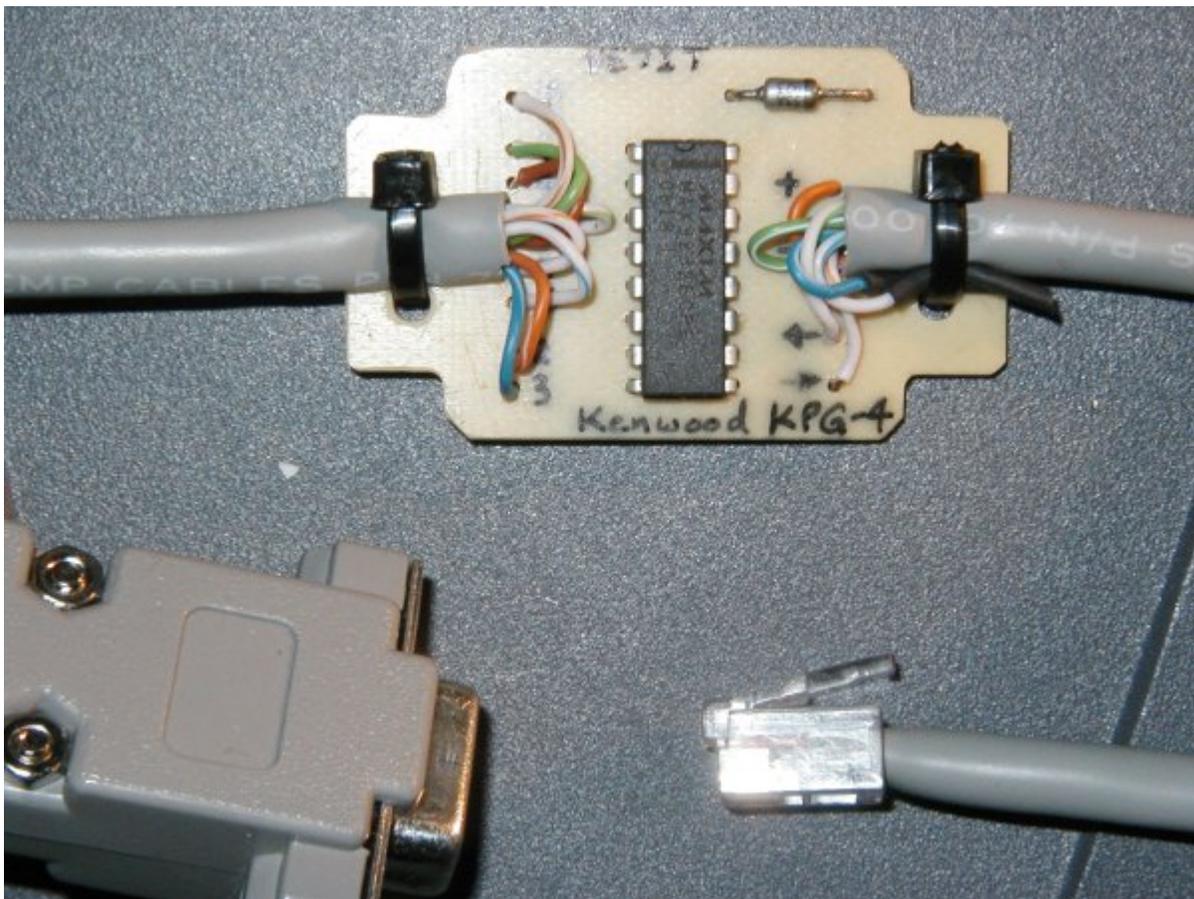# Kenwood Radio Programming Cable

Project Description

This project is a computer to radio interface cable that is used to program several models of Kenwood VHF and UHF two way radios. It is used in conjunction with radio service software that is obtained from Kenwwod (kpg29d). I have tested this cable with a 2 channel UHF TK-862H mobile radio. This interface plugs into a nine pin serial port on a computer and into an RJ11 type jack used for the mic connector on the front of the radios. It converts to and from the computer RS232 and the TTL (5 volt) logic levels used by the radio. The convertor is self powered. It obtains its power from the microphone supply voltage available on the radio mic connector. supply. The circuit uses a MAX3232 RS232 to TTL level convertor chip. I used a piece of CAT 5

network cable with the RJ11 on it for the radio side cabling and another piece from the circuit board to a DB9 connector that connects to the computer serial port.
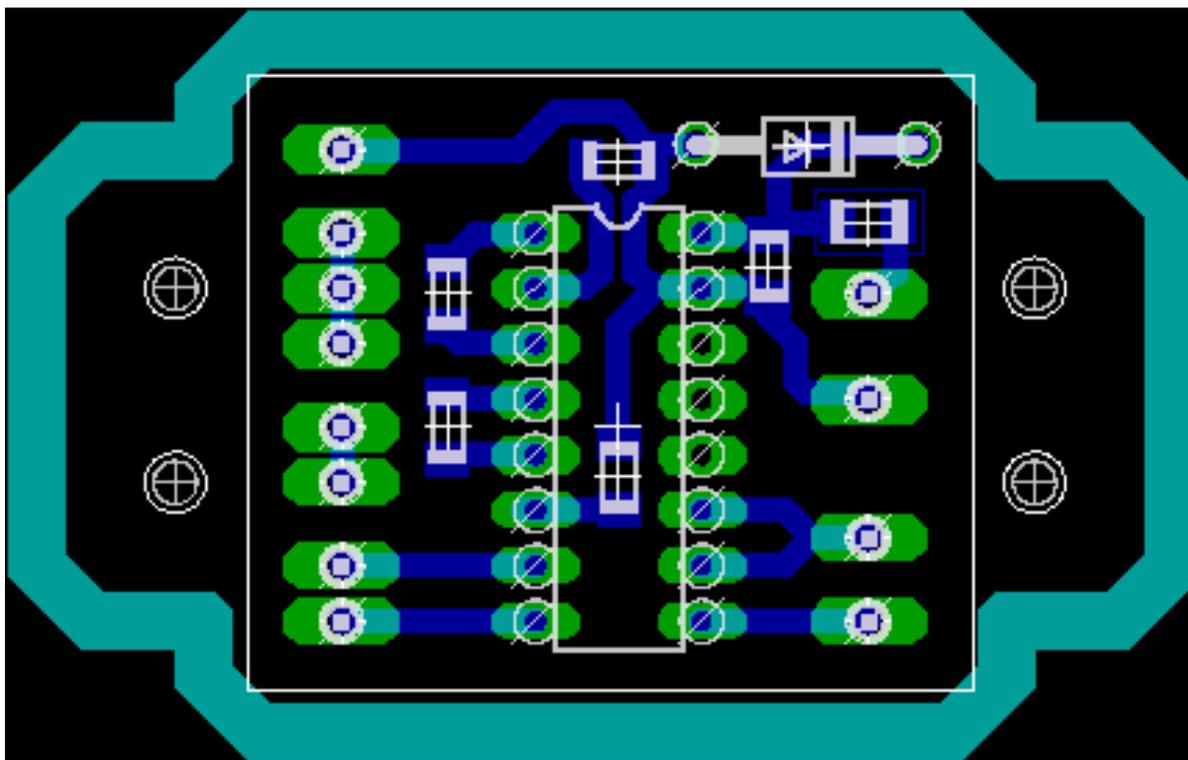
Supported Radios

Supports Kenwood Handheld Radios (using 2.5mm and 3.5mm plugs):
TK-240, TK-250, TK-260, TK-270, TK-272, TK-340, TK-350, TK-353, TK-360, TK-370, TK-378, TK-430, TK-431, TK-2100, TK-2102, TK-2107, TK-3100, TK-3102, TK-3107
Supports Kenwood Mobile Radios (using KPG-4 RJ11 mic input):
TK-7102, TK-7108, TK-8102, TK-8108,TK-760,TK-762, TK-762G (VHF 8 CH), TK-768, TK-768G (VHF 128CH), TK-780, TK-840, TK-860, TK-860G, TK-860H, TK-862, TK-862G, TK-868, TK-868G, TK-880

Kenwood Radio Programmer by VE7IT

System Requirements

A computer running the Kenwood RSS software (ie KPG29D) for the radio that is to be programmed , a compatible radio and the cable.

Electrical Drawing(s)

Eagle PCB File - kenwood.sch(98K)
Eagle Board File - kenwood.brd(11K)
Schematic File - kenwood-schematic.png(36K)

Source Code

No code required.

Home   Back to Lawrence's Software Stuff Page