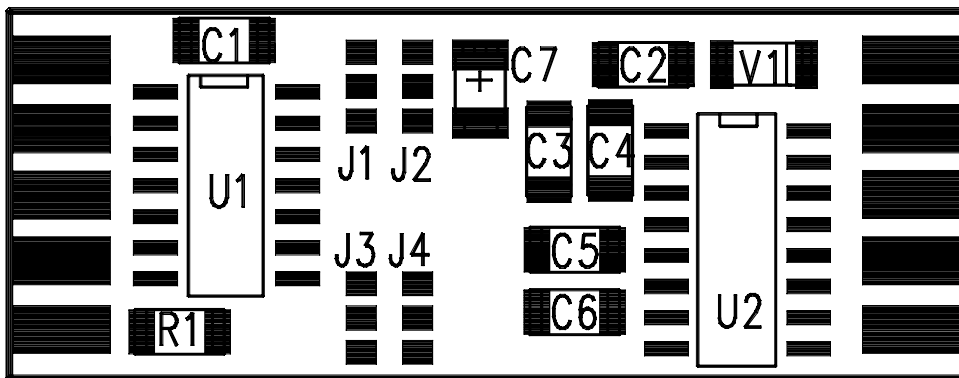
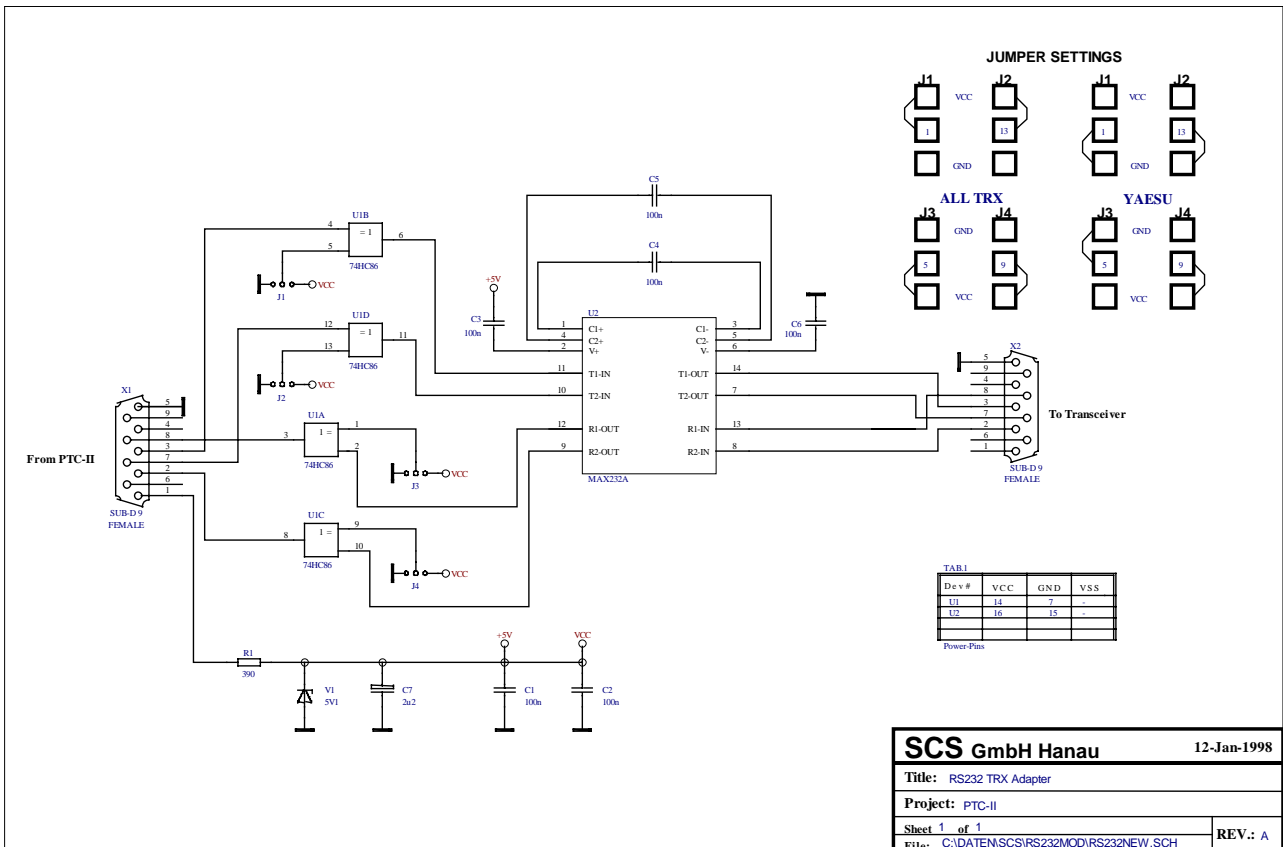


SCS RS232-Adapter for transceivers with RS232 remote-control-interface



The adapter consists of the standard RCU cable connected to a level-shifting electronic assembled inside a small 9-pole SUB-D connector housing. This provides the capability to directly interface between the PTC-II's 8-pole Mini-DIN-connector and the male 9-pole SUB-D connector of the transceiver.

For level-conversion between TTL and RS232-level a MAX232 is used. Dependent on the transceiver used, a signal inversion may be needed. A quad EXOR gate of the type 74HC86 is used to provide a switchable signal-inversion for the RXD/TXD/RTS/CTS lines. The condition of inversion or not-inversion can be selected for each signal using a set of jumpers (J1-J4). An inversion is selected when the corresponding center of the jumper is soldered towards +5V (border of the module). Respectively the signal will be not inverted when soldered to GND (center of the module).

For Kenwood and all the other tested transceivers the jumpers need all to be set to inversion, for Yaesu only J4 is set to inversion (see above). Certainly not all the transceivers could be tested and maybe the one or the other still needs evaluation.