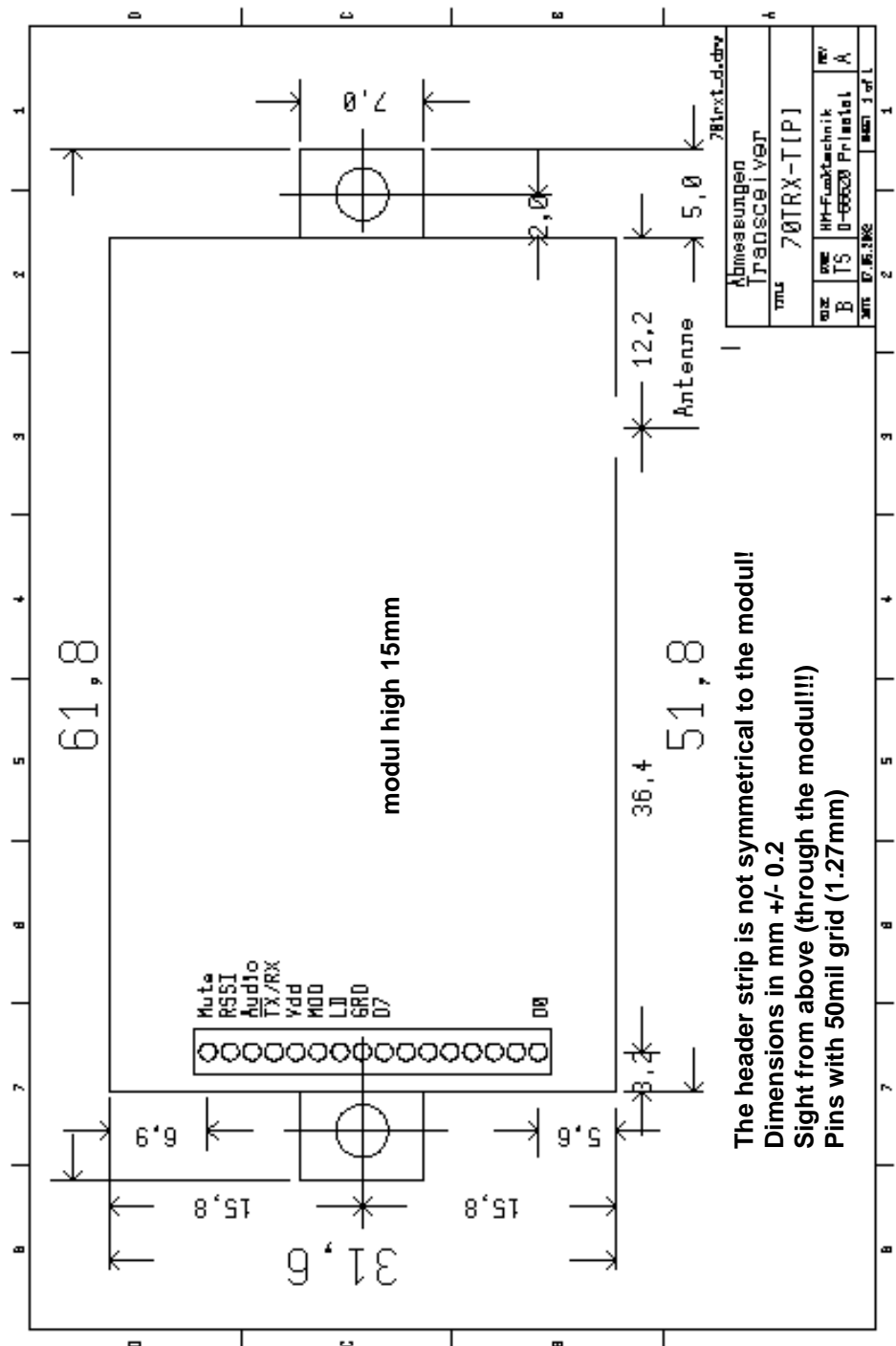




UHF- FM Synthesized Transmitter 70TX-T

a.) Fitting dimensions of the transmitter:





UHF- FM Synthesized Transmitter **70TX-T**

b.) Connector pin list:

- Mute** *not connected at this modul*
- RSSI** *not connected at this modul*
- Audio** *not connected at this modul*
- TX/RX** Standby function of the modul
The use of this pin reduces the power up time of the modul. Please connect Vdd directly to the operating voltage. Now you can switch on /off the modul with the standby pin.
Pin to ground = transmitting mode, pin open = standby mode
If you don't use this function put this pin directly to ground!
- Vdd** Power supply of the modul
5 – 11 V DC stabilized, minimum voltage 4.6 V (f.e. 4x 1.2 V NiCd or NiMH), absolut maximum voltage 12 V (78x12 not recommended because of voltage variation), internal low drop voltage stabilization to 4.6V, **no reverse voltage protection**
- MOD** Modulation input of the modul
TTL compatible 5 Vss (with a DC Offset of 2.5 V or AC-coupled)
- LD** Lock detect output of the modul
Open Collector output shows if the internal synthesizer is locked or not (3.3 V if locked, else 0.0 V)
- GRD** Ground of the modul (also connected to the complete case)
- D0 – D7** Frequency setting of the modul
Output of the lowest possible frequency, if not connected. Grounding of the pins D0 - D7 will higher the frequency stepwise (D0 12.5 KHz, D1 25 KHz, D2 50 KHz,..., D7 1.6 MHz). The easiest way of an implementation is the use of a DIP-switch, which is connected with one side to ground and the other side to D0 – D7. A frequency list to find your desired frequency is available at our homepage.