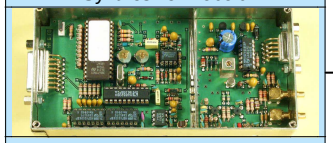
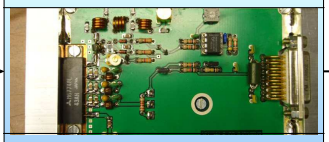
Blockschaltbild Benjamin IV Sept.06

Entwurf DL9NBJ Sept.2006 Version 1.4
24.3.2007

Synthesizer Kobold

KIT 124 (59mA)

145.700

PA1

10mW-7W

PA2

max. 30W

Bandpass

145.700 MHz

145.700

20m Aircom PLUS

Lock

PTT

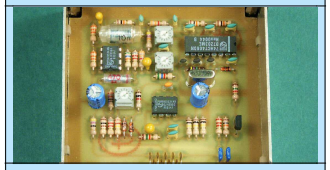
I²C BUS

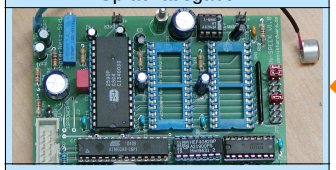
Duplexer

DPRE5-6VL

Blitzschutz

N-N

FM-Modulator

inkl. 1750Hz Osz. (6mA)

Sprachausgabe

RN-Speak

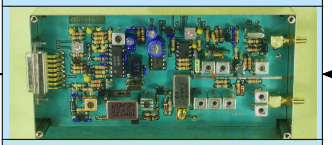
I²C BUS

Ports

STEUERUNG

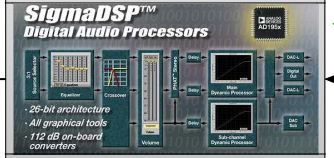
RN-Mega2560

134,6 MHz

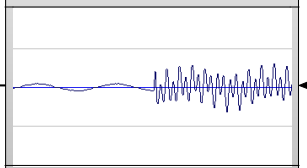
Receiver Alberich

(78mA)

145.100

Edi Vorstufe

NF-Aufbereitung


UniClipper

DTMF/RUFTON Auswerter

MT8870 / NE567

I²C Bus

Überwachung Auslösung

Überwachung Auslösung

Überwachung Auslösung

AD Wandler Versorgungsspannung

Verbraucher

Netz

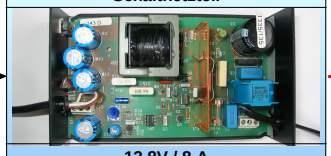
Filter

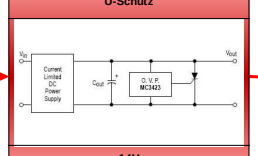
LSS

6A

Ü-Schutz

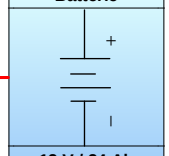
230V

Schaltnetzteil

13,8V / 8 A

Ü-Schutz

14V

Tiefentladeschutz

10,8V

Batterie

12 V / 24 Ah