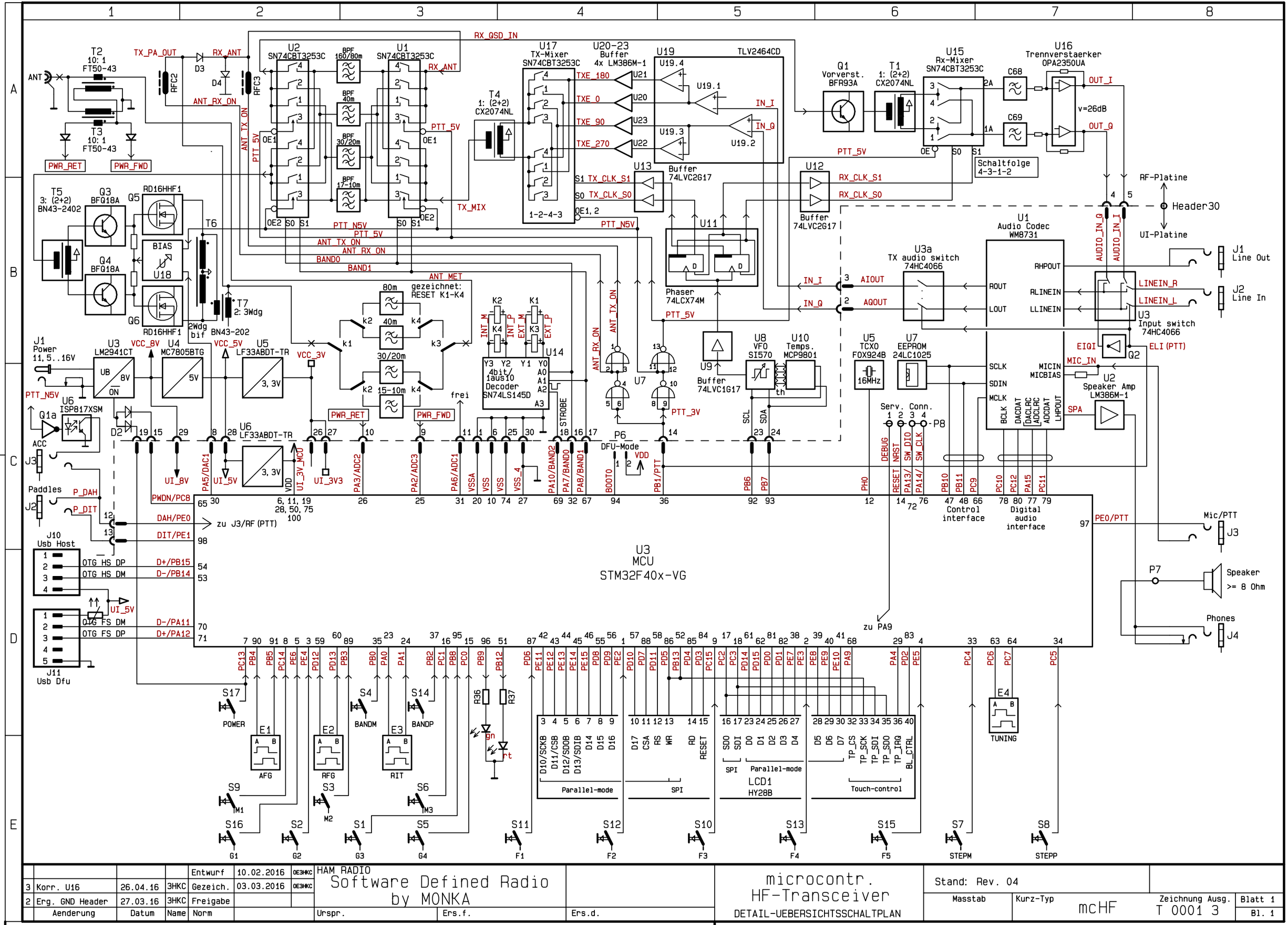
U3
MCU
STM32F40x-VG
Software Defined Radio
by MONKA
HAM RADIO
microcontr.
HF-Transceiver
DETAIL-UEBERSICHTSSCHALTPLAN
mcHF
Stand: Rev. 04
T 0001 3
Header30
RF-Platine
UI-Platine
Schaltfolge
4-3-1-2
Serv. Conn.
Control interface
Digital audio interface
Parallel-mode
SPI
LCD1
HY28B
Touch-control
DFU-Mode
Phaser
74LCX74M
Buffer
74LVC2G17
Buffer
74LVC1G17
Buffer
74LVC2G17
TLV2464CD
Buffer
4x LM386M-1
TX audio switch
74HC4066
Input switch
74HC4066
Audio Codec
WM8731
Speaker Amp
LM386M-1
Line Out
Line In
Mic/PTT
Speaker
>= 8 Ohm
Phones
Paddles
Usb Host
Usb Dfu
Power
11,5..16V
Decoder
SN74LS145D
TCXO
FOX924B
16MHz
EEPROM
24LC1025
VFO
SI570
Temps.
MCP9801
Rx-Mixer
SN74CBT3253C
TX-Mixer
SN74CBT3253C
Trennverstaerker
OPA2350UA
Vorverst.
BFR93A
Speaker
Input switch
Line Out
Line In
Mic/PTT
Phones
Entwurf
Gezeich.
Freigabe
Norm
Ursprung
Ers.f.
Ers.d.
Masstab
Kurz-Typ
Zeichnung Ausg.
Blatt 1
Bl. 1
Korr. U16
Erg. GND Header
Aenderung
Datum
Name