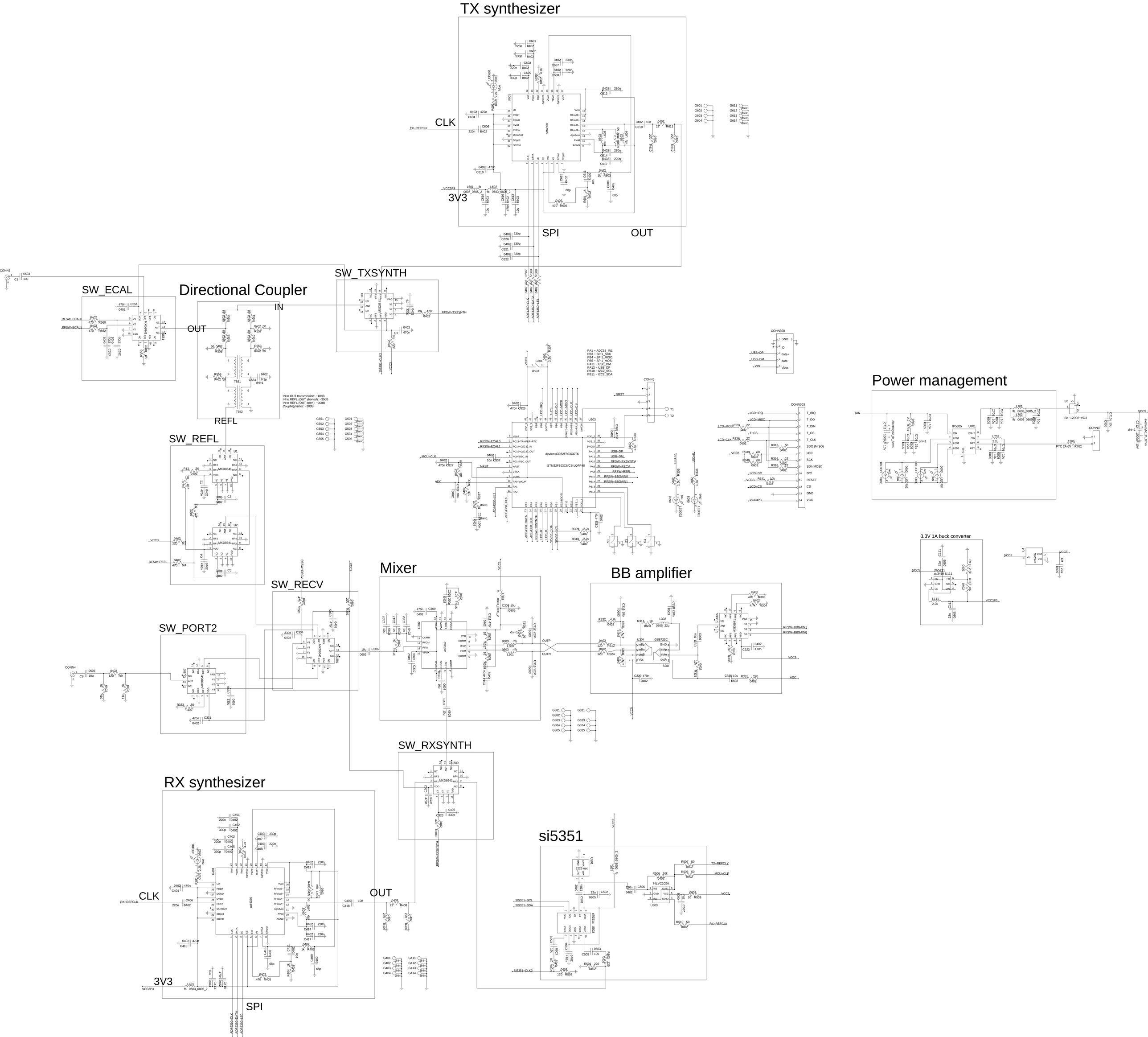
TX synthesizer
CLK
3V3
SPI
OUT
SW_TXSYNTH
SW_ECAL
Directional Coupler
IN
OUT
REFL
SW_REFL
SW_RECV
SW_PORT2
Mixer
BB amplifier
SW_RXSYNTH
RX synthesizer
si5351
Power management
3.3V 1A buck converter
CONN300
CONN303
CONN5
CONN3
CONN1
CONN4
PA1 – ADC12_IN1
PB3 – SPI1_SCK
PB4 – SPI1_MISO
PB5 – SPI1_MOSI
PA11 – USB_DM
PA12 – USB_DP
PB10 – I2C2_SCL
PB11 – I2C2_SDA
device=GD32F303CCT6
STM32F103C8/C8 LQFP48
IN to OUT transmission: −10dB
IN to REFL (OUT shorted): −30dB
IN to REFL (OUT open): −30dB
Coupling factor: −20dB