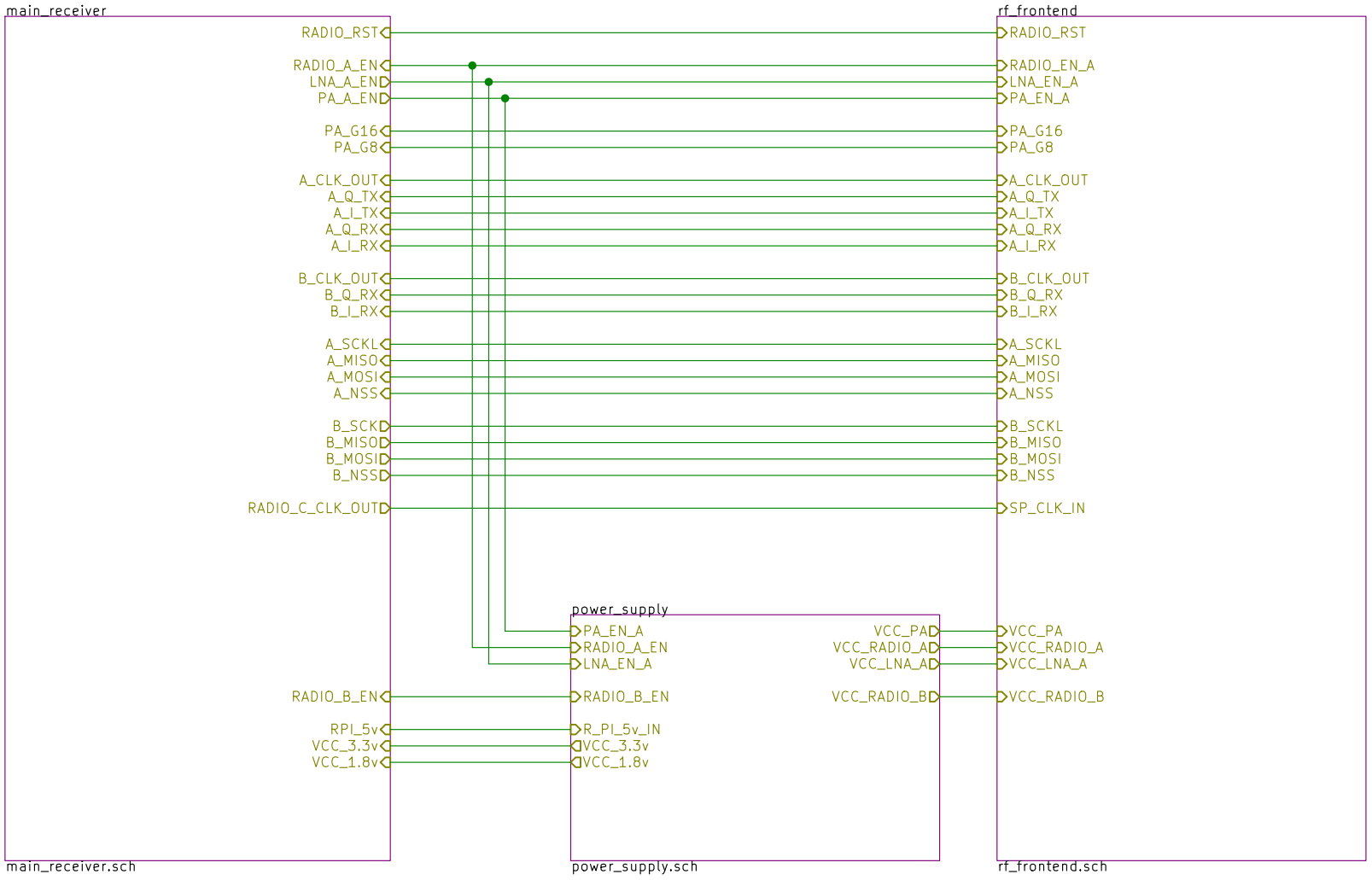
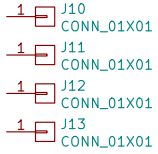


Mounting Holes



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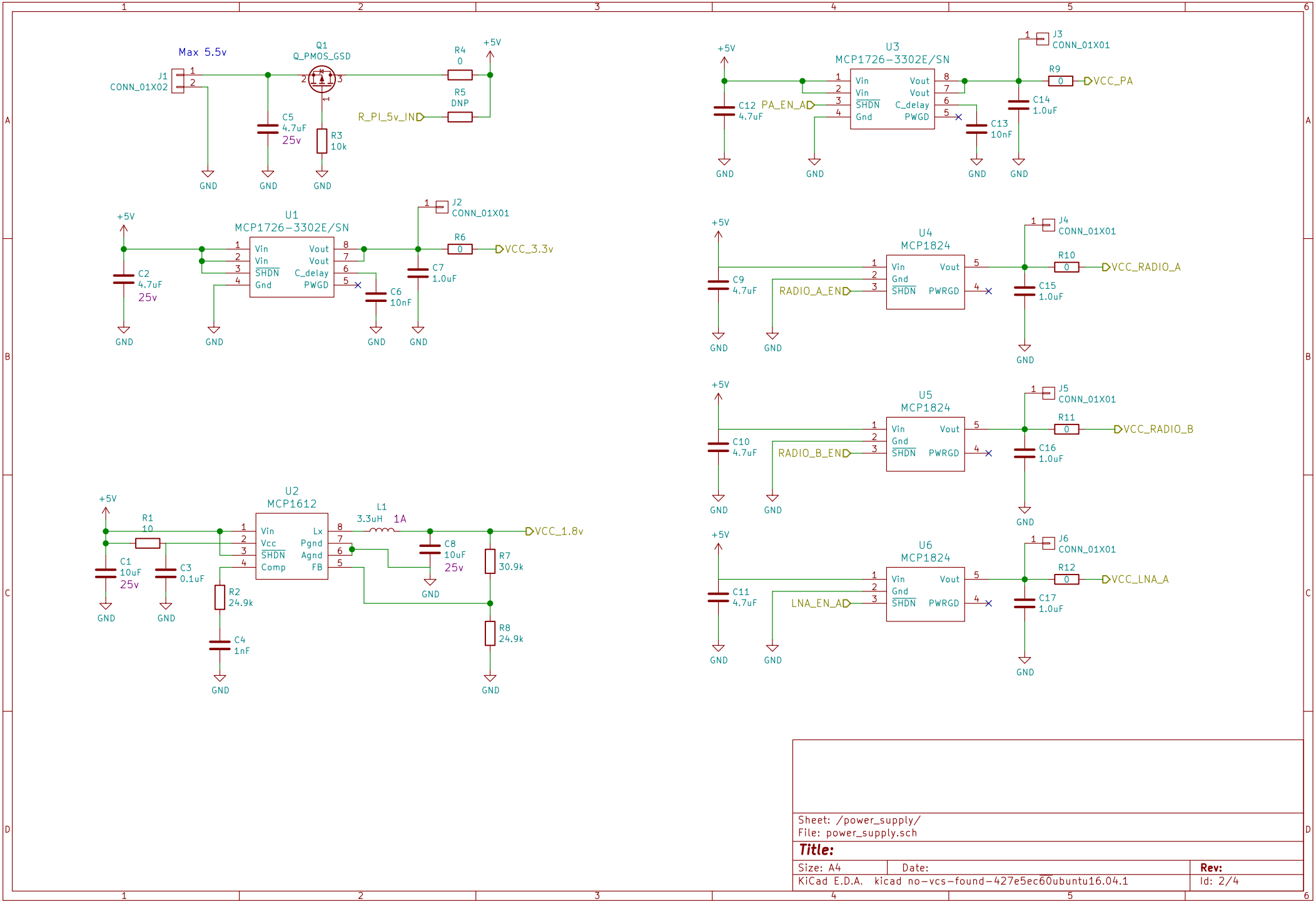

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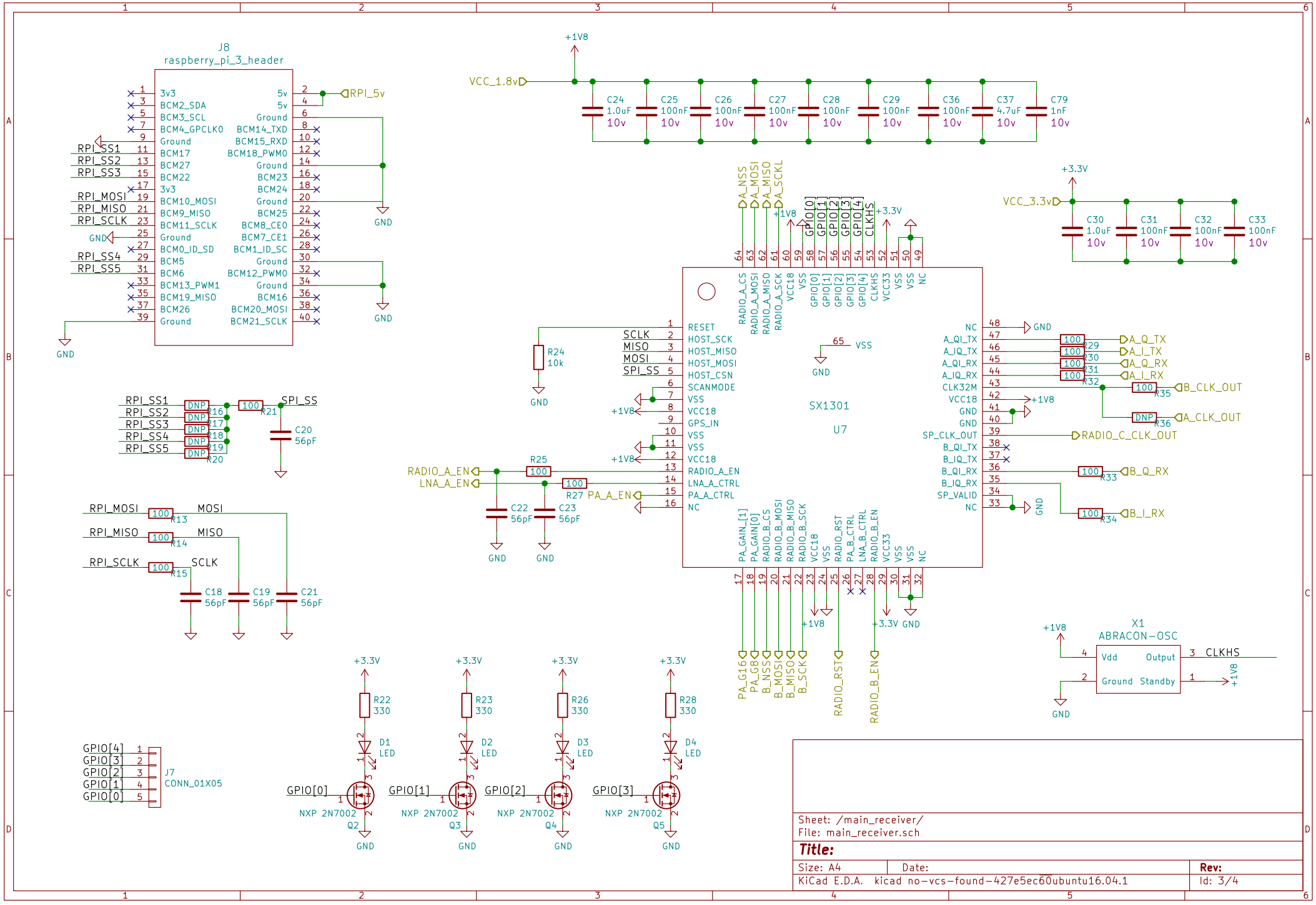
J8
raspberry_pi_3_header
3v3
BCM2_SDA
BCM3_SCL
BCM4_GPCLK0
Ground
BCM17
BCM27
BCM22
3v3
BCM10_MOSI
BCM9_MISO
BCM11_SCLK
Ground
BCM0_ID_SD
BCM5
BCM6
BCM13_PWM1
BCM19_MISO
BCM26
Ground
5v
5v
Ground
BCM14_TXD
BCM15_RXD
BCM18_PWM0
Ground
BCM23
BCM24
Ground
BCM25
BCM8_CE0
BCM7_CE1
BCM1_ID_SC
Ground
BCM12_PWM0
Ground
BCM16
BCM20_MOSI
BCM21_SCLK
RPI_5v
RPI_SS1
RPI_SS2
RPI_SS3
RPI_MOSI
RPI_MISO
RPI_SCLK
GND
RPI_SS4
RPI_SS5
+1V8
VCC_1.8v
C24 1.0uF 10v
C25 100nF 10v
C26 100nF 10v
C27 100nF 10v
C28 100nF 10v
C29 100nF 10v
C36 100nF 10v
C37 4.7uF 10v
C79 1nF 10v
+3.3V
VCC_3.3v
C30 1.0uF 10v
C31 100nF 10v
C32 100nF 10v
C33 100nF 10v
A_NSS
A_MOSI
A_MISO
A_SCKL
GPIO[0]
GPIO[1]
GPIO[2]
GPIO[3]
GPIO[4]
CLKHS
RADIO_A_CS
RADIO_A_MOSI
RADIO_A_MISO
RADIO_A_SCK
VCC18
VSS
VCC33
NC
RESET
HOST_SCK
HOST_MISO
HOST_MOSI
HOST_CSN
SCANMODE
GPS_IN
RADIO_A_EN
LNA_A_CTRL
PA_A_CTRL
SCLK
MISO
MOSI
SPI_SS
R24 10k
R25 100
R27 100
PA_A_EN
C22 56pF
C23 56pF
SX1301
U7
A_QI_TX
A_IQ_TX
A_QI_RX
A_IQ_RX
CLK32M
SP_CLK_OUT
B_QI_TX
B_IQ_TX
B_QI_RX
B_IQ_RX
SP_VALID
A_Q_TX
A_I_TX
A_Q_RX
A_I_RX
B_CLK_OUT
A_CLK_OUT
RADIO_C_CLK_OUT
B_Q_RX
B_I_RX
R29 100
R30 100
R31 100
R32 100
R35 100
R36 DNP
R33 100
R34 100
PA_GAIN_[1]
PA_GAIN[0]
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RADIO_B_MOSI
RADIO_B_MISO
RADIO_B_SCK
RADIO_RST
PA_B_CTRL
LNA_B_CTRL
RADIO_B_EN
PA_G16
PA_G8
B_NSS
B_MOSI
B_MISO
B_SCK
X1
ABRACON-OSC
Vdd
Output
Ground
Standby
RPI_SS1
RPI_SS2
RPI_SS3
RPI_SS4
RPI_SS5
DNP
R16 100
R17 100
R18 100
R19 100
R20 100
R21 100
SPI_SS
C20 56pF
RPI_MOSI
RPI_MISO
RPI_SCLK
R13 100
R14 100
R15 100
MOSI
MISO
SCLK
C18 56pF
C19 56pF
C21 56pF
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GPIO[3]
GPIO[2]
GPIO[1]
GPIO[0]
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CONN_01X05
R22 330
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R26 330
R28 330
D1 LED
D2 LED
D3 LED
D4 LED
NXP 2N7002
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Q3
Q4
Q5
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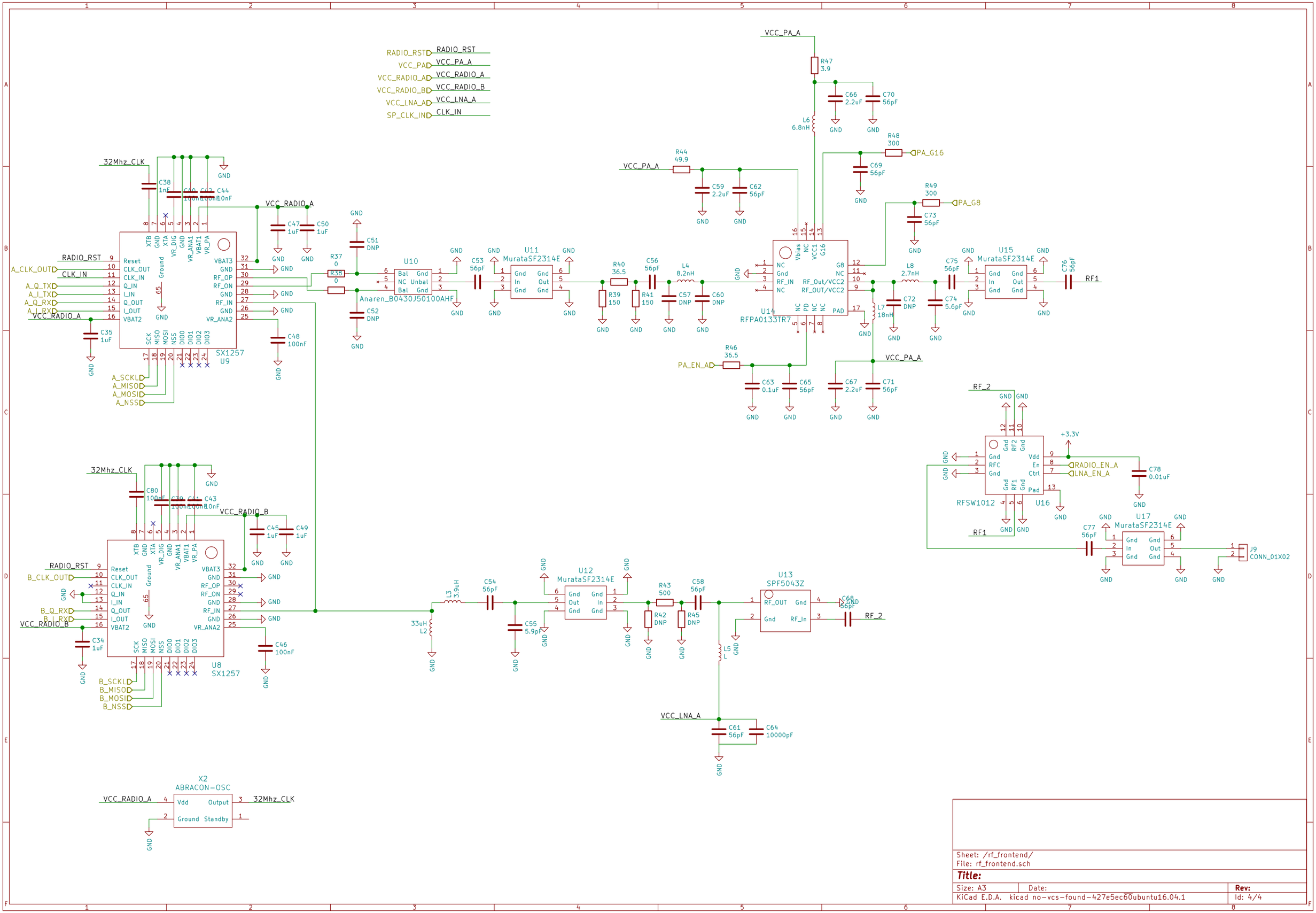

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