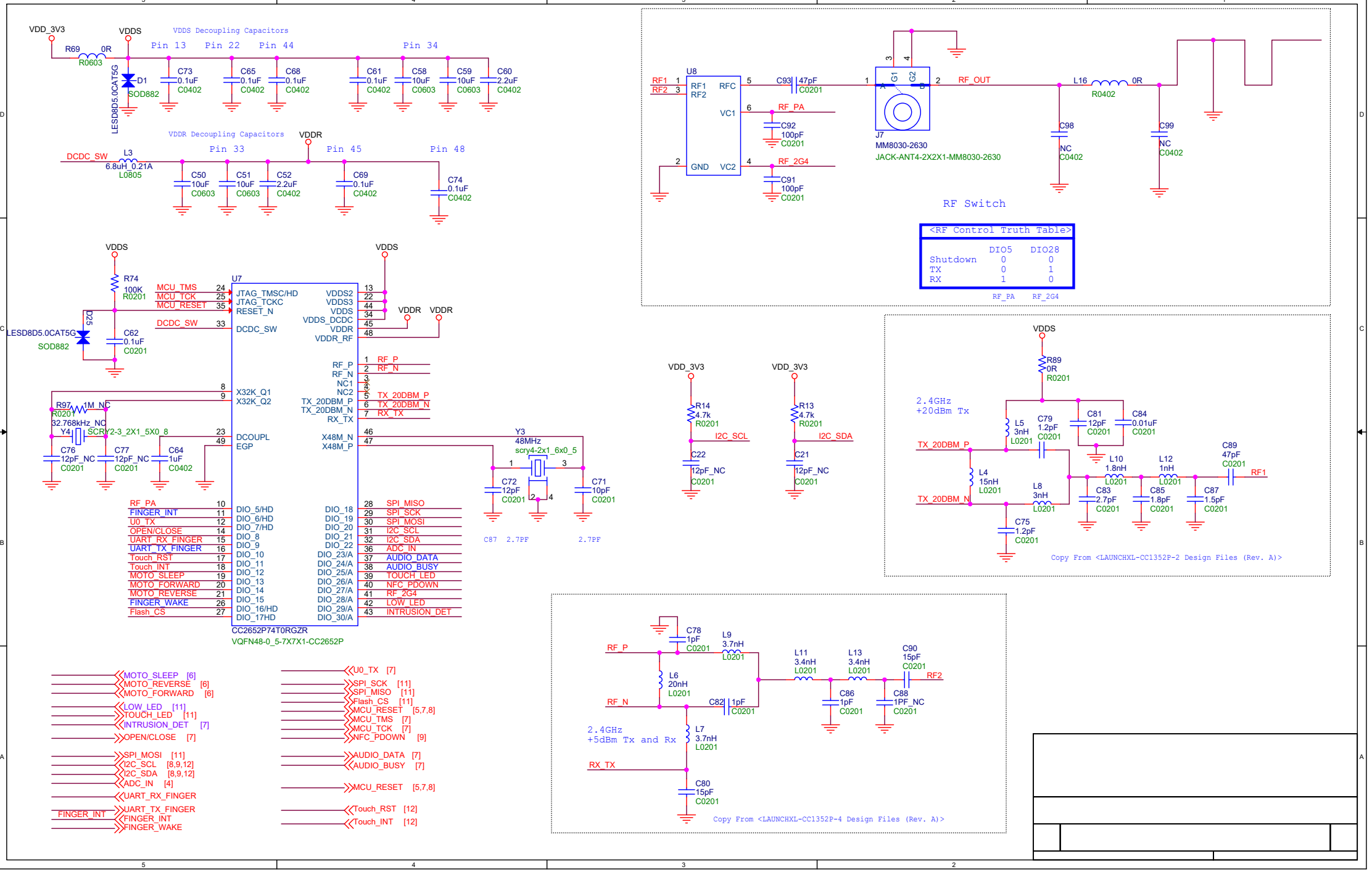
VDD_3V3
VDDS
R69 0R R0603
VDDS Decoupling Capacitors
Pin 13 Pin 22 Pin 44 Pin 34
D1 SOD882
LESD8D5.0CAT5G
C73 0.1uF C0402
C65 0.1uF C0402
C68 0.1uF C0402
C61 0.1uF C0402
C58 10uF C0603
C59 10uF C0603
C60 2.2uF C0402
VDDR Decoupling Capacitors
VDDR
Pin 33 Pin 45 Pin 48
DCDC_SW
L3 6.8uH_0.21A L0805
C50 10uF C0603
C51 10uF C0603
C52 2.2uF C0402
C69 0.1uF C0402
C74 0.1uF C0402
U8
RF1 RF2 RFC VC1 GND VC2
C93 47pF C0201
RF_PA
C92 100pF C0201
RF_2G4
C91 100pF C0201
J7
MM8030-2630
JACK-ANT4-2X2X1-MM8030-2630
RF_OUT
L16 0R R0402
C98 NC C0402
C99 NC C0402
RF Switch
<RF Control Truth Table>
DIO5 DIO28
Shutdown 0 0
TX 0 1
RX 1 0
RF_PA RF_2G4
VDDS
R74 100K R0201
D25 LESD8D5.0CAT5G SOD882
C62 0.1uF C0201
U7
MCU_TMS MCU_TCK MCU_RESET DCDC_SW
JTAG_TMSC/HD JTAG_TCKC RESET_N DCDC_SW
VDDS2 VDDS3 VDDS VDDS_DCDC VDDR VDDR_RF
VDDR VDDR
RF_P RF_N NC1 NC2 TX_20DBM_P TX_20DBM_N RX_TX
X32K_Q1 X32K_Q2
R97 1M_NC R0201
32.768kHz_NC Y4 SCRY2-3_2X1_5X0_8
C76 12pF_NC C0201
C77 12pF_NC C0201
C64 1uF C0402
DCOUPL EGP
X48M_N X48M_P
Y3 48MHz scry4-2x1_6x0_5
C72 12pF C0201
C71 10pF C0201
C87 2.7PF 2.7PF
RF_PA FINGER_INT U0_TX OPEN/CLOSE UART_RX_FINGER UART_TX_FINGER Touch_RST Touch_INT MOTO_SLEEP MOTO_FORWARD MOTO_REVERSE FINGER_WAKE Flash_CS
DIO_5/HD DIO_6/HD DIO_7/HD DIO_8 DIO_9 DIO_10 DIO_11 DIO_12 DIO_13 DIO_14 DIO_15 DIO_16/HD DIO_17HD
DIO_18 DIO_19 DIO_20 DIO_21 DIO_22 DIO_23/A DIO_24/A DIO_25/A DIO_26/A DIO_27/A DIO_28/A DIO_29/A DIO_30/A
SPI_MISO SPI_SCK SPI_MOSI I2C_SCL I2C_SDA ADC_IN AUDIO_DATA AUDIO_BUSY TOUCH_LED NFC_PDOWN RF_2G4 LOW_LED INTRUSION_DET
CC2652P74T0RGZR
VQFN48-0_5-7X7X1-CC2652P
MOTO_SLEEP [6]
MOTO_REVERSE [6]
MOTO_FORWARD [6]
LOW_LED [11]
TOUCH_LED [11]
INTRUSION_DET [7]
OPEN/CLOSE [7]
SPI_MOSI [11]
I2C_SCL [8,9,12]
I2C_SDA [8,9,12]
ADC_IN [4]
UART_RX_FINGER
UART_TX_FINGER
FINGER_INT
FINGER_INT
FINGER_WAKE
U0_TX [7]
SPI_SCK [11]
SPI_MISO [11]
Flash_CS [11]
MCU_RESET [5,7,8]
MCU_TMS [7]
MCU_TCK [7]
NFC_PDOWN [9]
AUDIO_DATA [7]
AUDIO_BUSY [7]
MCU_RESET [5,7,8]
Touch_RST [12]
Touch_INT [12]
VDD_3V3
R14 4.7k R0201
I2C_SCL
C22 12pF_NC C0201
VDD_3V3
R13 4.7k R0201
I2C_SDA
C21 12pF_NC C0201
VDDS
R89 0R R0201
2.4GHz +20dBm Tx
L5 3nH L0201
C79 1.2pF C0201
C81 12pF C0201
C84 0.01uF C0201
TX_20DBM_P
L4 15nH L0201
TX_20DBM_N
L8 3nH L0201
C75 1.2pF C0201
L10 1.8nH L0201
L12 1nH L0201
C89 47pF C0201
RF1
C83 2.7pF C0201
C85 1.8pF C0201
C87 1.5pF C0201
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C78 1pF C0201
L9 3.7nH L0201
RF_P
L6 20nH L0201
RF_N
C82 1pF C0201
L11 3.4nH L0201
L13 3.4nH L0201
C90 15pF C0201
RF2
C86 1pF C0201
C88 1PF_NC C0201
2.4GHz +5dBm Tx and Rx
L7 3.7nH L0201
RX_TX
C80 15pF C0201
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