MCU_SENSOR

File: MCU.kicad_sch

RF MODULE

File: RF.kicad_sch

POWER

File: POWER.kicad_sch

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File: KWATCH_DEV.kicad_sch

Title:

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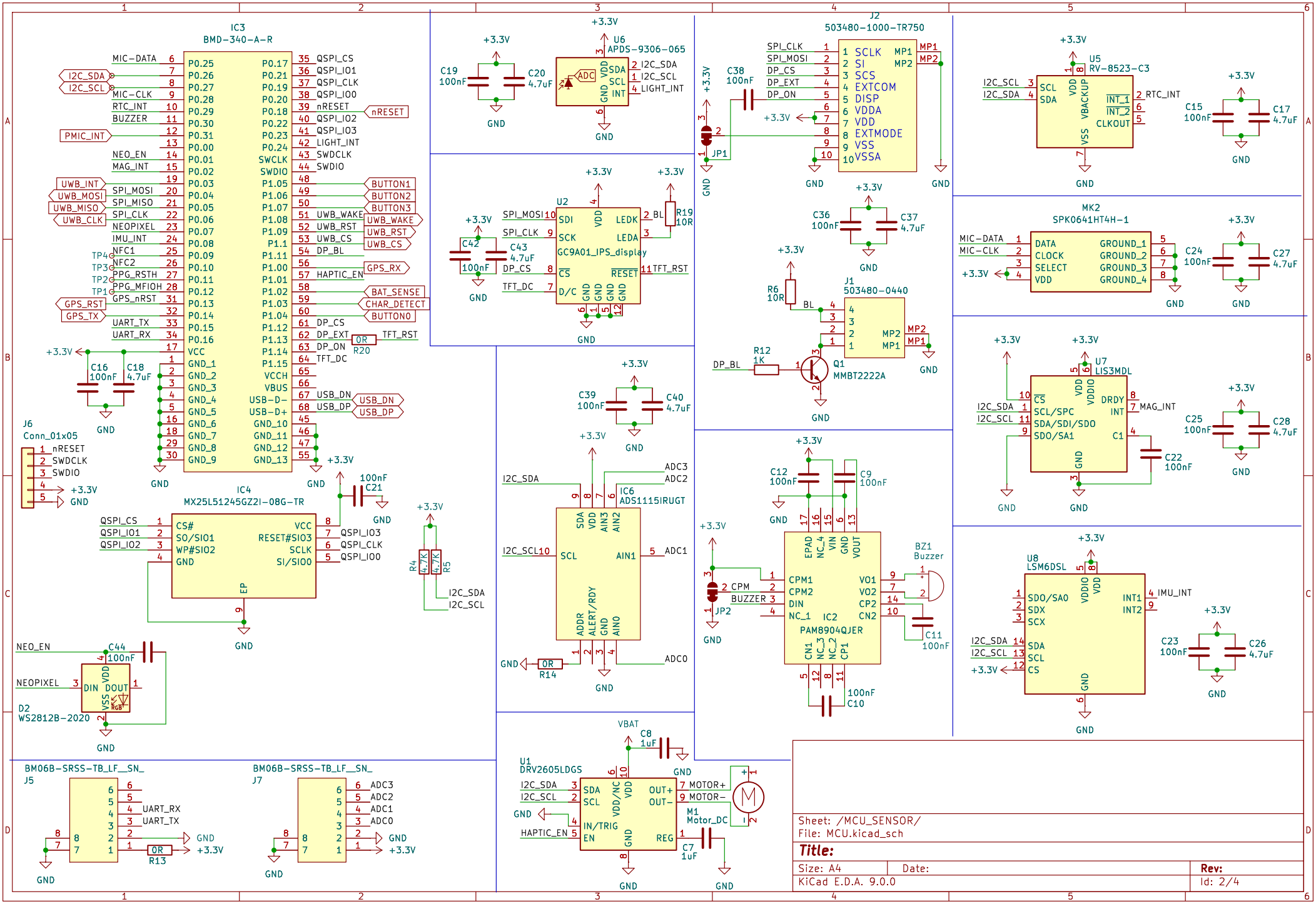
IC3
BMD-340-A-R
MIC-DATA
I2C_SDA
I2C_SCL
MIC-CLK
RTC_INT
BUZZER
PMIC_INT
NEO_EN
MAG_INT
UWB_INT
SPI_MOSI
UWB_MOSI
SPI_MISO
UWB_MISO
SPI_CLK
UWB_CLK
NEOPIXEL
IMU_INT
NFC1
NFC2
PPG_RSTH
PPG_MFIOH
GPS_nRST
GPS_RST
GPS_TX
UART_TX
UART_RX
P0.25
P0.26
P0.27
P0.28
P0.29
P0.30
P0.31
P0.00
P0.01
P0.02
P0.03
P0.04
P0.05
P0.06
P0.07
P0.08
P0.09
P0.10
P0.11
P0.12
P0.13
P0.14
P0.15
P0.16
VCC
GND_1
GND_2
GND_3
GND_4
GND_5
GND_6
GND_7
GND_8
GND_9
P0.17
P0.21
P0.19
P0.20
P0.18
P0.22
P0.23
P0.24
SWCLK
SWDIO
P1.05
P1.06
P1.07
P1.08
P1.09
P1.1
P1.11
P1.00
P1.01
P1.02
P1.03
P1.04
P1.12
P1.13
P1.14
P1.15
VCCH
VBUS
USB-D-
USB-D+
GND_10
GND_11
GND_12
GND_13
QSPI_CS
QSPI_IO1
QSPI_CLK
QSPI_IO0
nRESET
QSPI_IO2
QSPI_IO3
LIGHT_INT
SWDCLK
SWDIO
BUTTON1
BUTTON2
BUTTON3
UWB_WAKE
UWB_RST
UWB_CS
DP_BL
GPS_RX
HAPTIC_EN
BAT_SENSE
CHAR_DETECT
BUTTON0
DP_CS
DP_EXT
DP_ON
TFT_DC
TFT_RST
USB_DN
USB_DP
R20
C16 100nF
C18 4.7uF
J6
Conn_01x05
nRESET
SWDCLK
SWDIO
IC4
MX25L51245GZ2I-08G-TR
CS#
SO/SIO1
WP#SIO2
GND
VCC
RESET#SIO3
SCLK
SI/SIO0
EP
C21 100nF
R4 4.7K
R5 4.7K
C44 100nF
D2
WS2812B-2020
J5
BM06B-SRSS-TB_LF__SN_
J7
R13
U6
APDS-9306-065
C19 100nF
C20 4.7uF
U2
GC9A01_IPS_display
C42 100nF
C43 4.7uF
R19 10R
C39 100nF
C40 4.7uF
IC6
ADS1115IRUGT
R14
C8 1uF
U1
DRV2605LDGS
M1
Motor_DC
C7 1uF
J2
503480-1000-TR750
SCLK
SI
SCS
EXTCOM
DISP
VDDA
VDD
EXTMODE
VSS
VSSA
JP1
C38 100nF
C36 100nF
C37 4.7uF
J1
503480-0440
R6 10R
R12 1K
Q1
MMBT2222A
C12 100nF
C9 100nF
IC2
PAM8904QJER
CPM1
CPM2
DIN
NC_1
VO1
VO2
CP2
CN2
BZ1
Buzzer
JP2
C11 100nF
C10 100nF
U5
RV-8523-C3
VBACKUP
INT_1
INT_2
CLKOUT
C15 100nF
C17 4.7uF
MK2
SPK0641HT4H-1
DATA
CLOCK
SELECT
GROUND_1
GROUND_2
GROUND_3
GROUND_4
C24 100nF
C27 4.7uF
U7
LIS3MDL
C25 100nF
C28 4.7uF
C22 100nF
U8
LSM6DSL
SDO/SA0
SDX
SCX
INT1
INT2
C23 100nF
C26 4.7uF
+3.3V
GND
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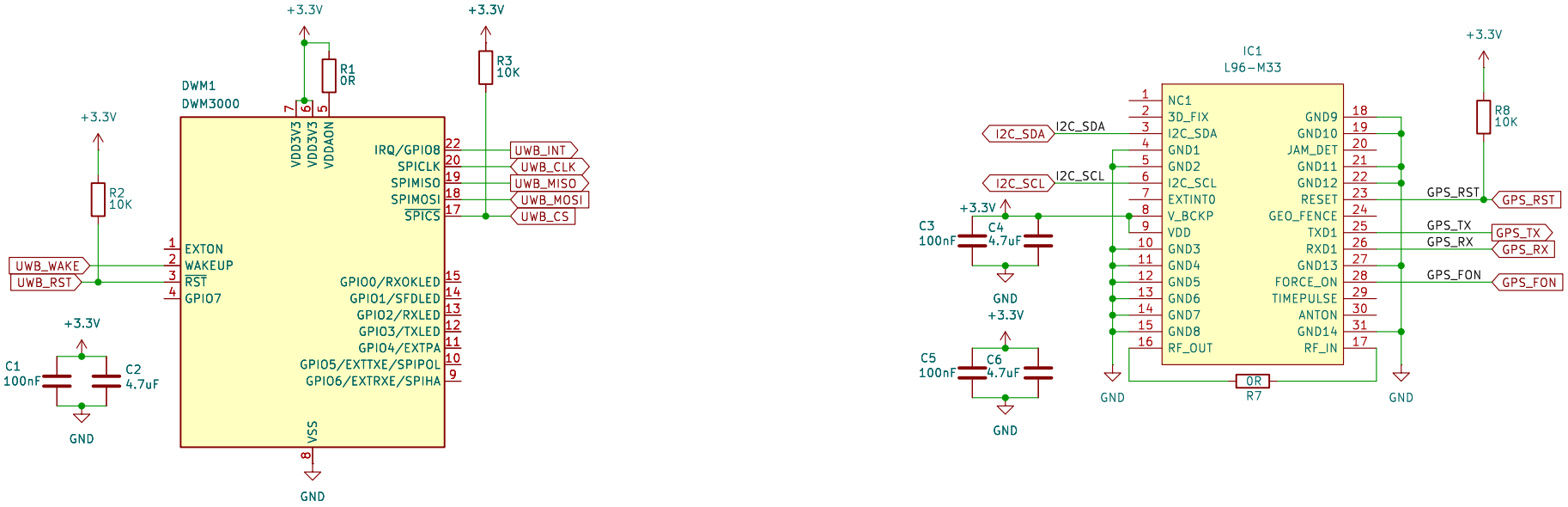

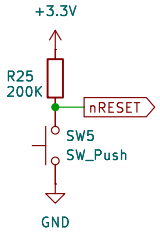

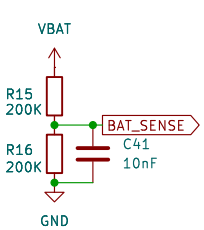

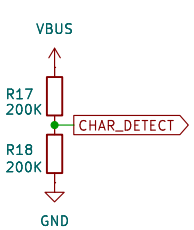

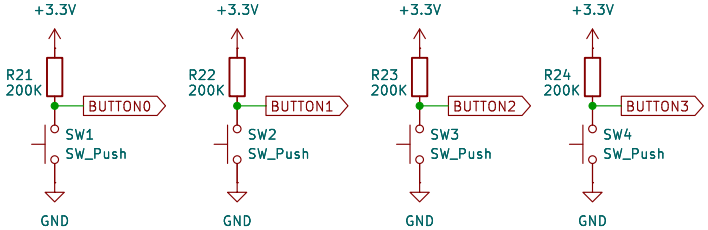

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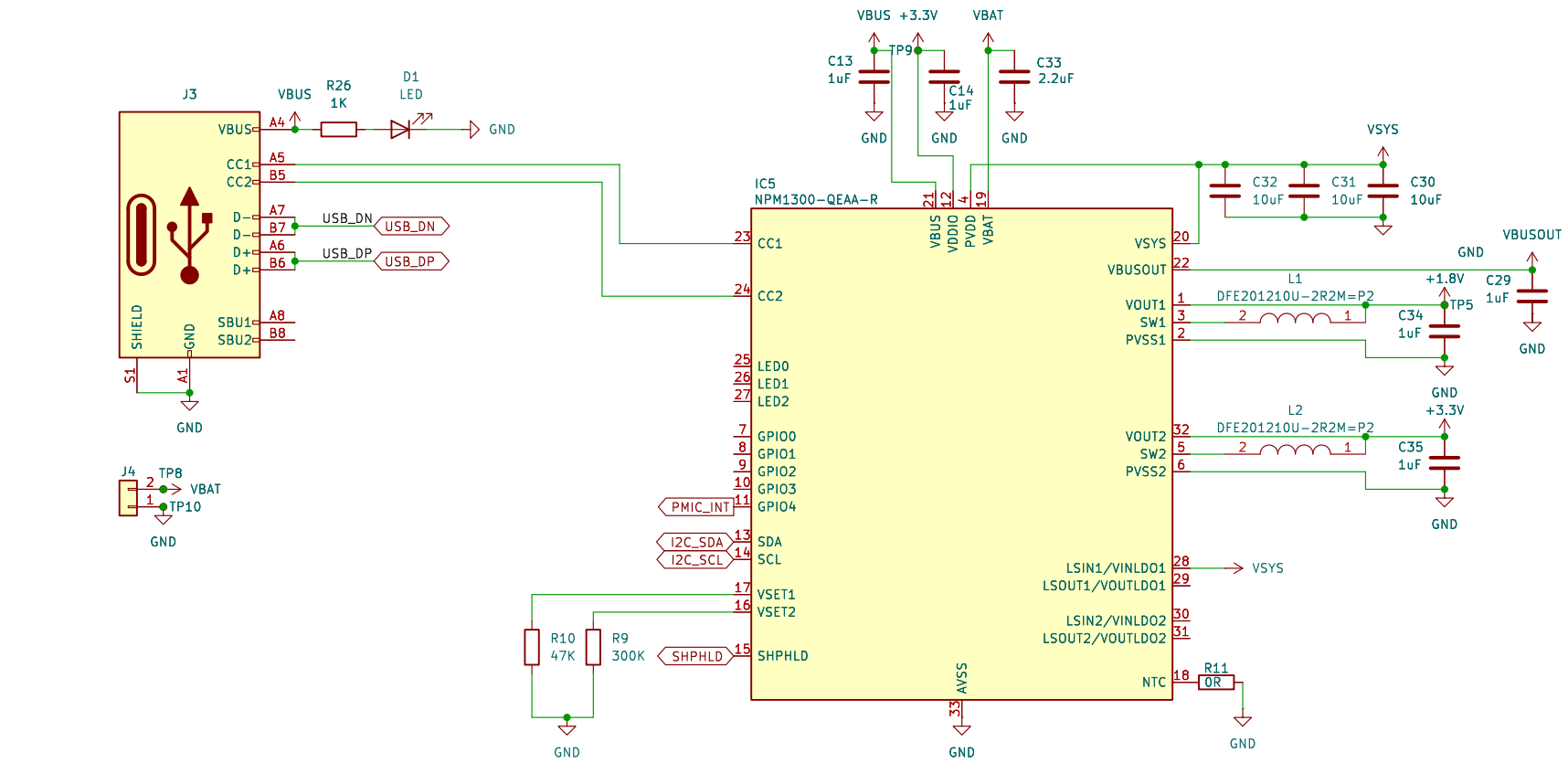

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