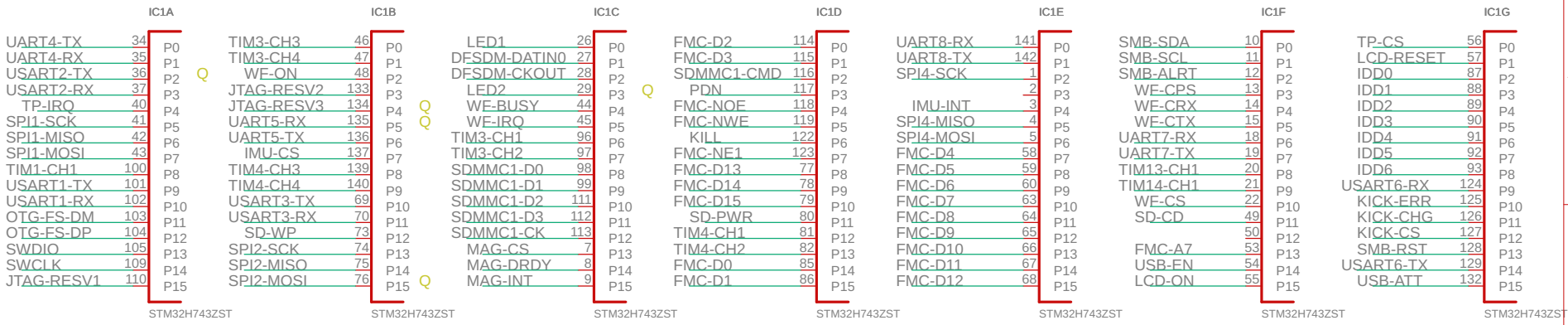
Main Processor



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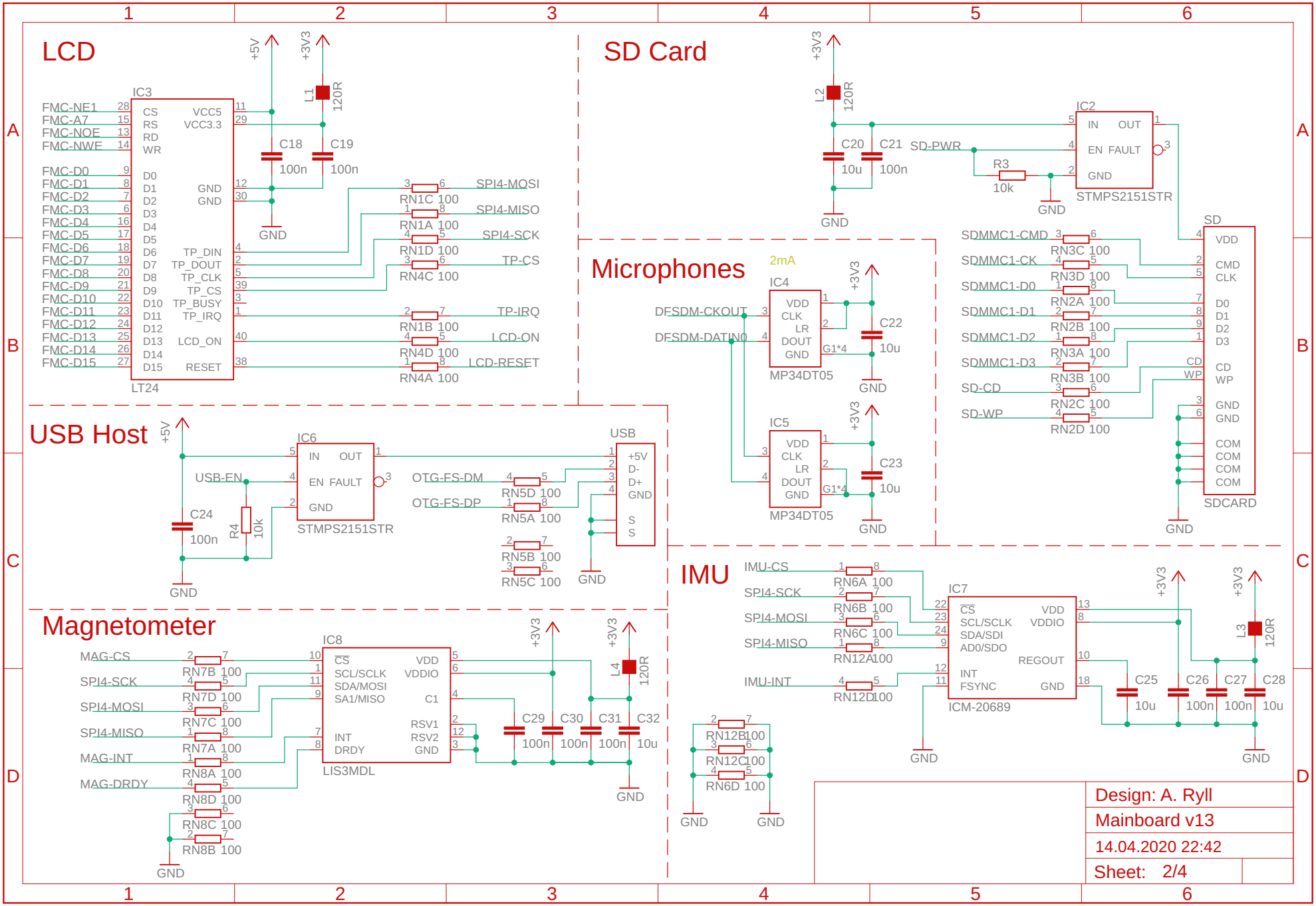
LCD
IC3
LT24
FMC-NE1
FMC-A7
FMC-NOE
FMC-NWE
FMC-D0
FMC-D1
FMC-D2
FMC-D3
FMC-D4
FMC-D5
FMC-D6
FMC-D7
FMC-D8
FMC-D9
FMC-D10
FMC-D11
FMC-D12
FMC-D13
FMC-D14
FMC-D15
CS
RS
RD
WR
D0
D1
D2
D3
D4
D5
D6
D7
D8
D9
D10
D11
D12
D13
D14
D15
VCC5
VCC3.3
GND
TP_DIN
TP_DOUT
TP_CLK
TP_CS
TP_BUSY
TP_IRQ
LCD_ON
RESET
+5V
+3V3
L1
120R
C18
100n
C19
100n
RN1C 100
RN1A 100
RN1D 100
RN4C 100
RN1B 100
RN4D 100
RN4A 100
SPI4-MOSI
SPI4-MISO
SPI4-SCK
TP-CS
TP-IRQ
LCD-ON
LCD-RESET
SD Card
IC2
STMPS2151STR
IN
OUT
EN
FAULT
GND
L2
120R
C20
10u
C21
100n
SD-PWR
R3
10k
SD
SDMMC1-CMD
SDMMC1-CK
SDMMC1-D0
SDMMC1-D1
SDMMC1-D2
SDMMC1-D3
SD-CD
SD-WP
RN3C 100
RN3D 100
RN2A 100
RN2B 100
RN3A 100
RN3B 100
RN2C 100
RN2D 100
VDD
CMD
CLK
D0
D1
D2
D3
CD
WP
COM
SDCARD
Microphones
2mA
IC4
IC5
MP34DT05
DFSDM-CKOUT
DFSDM-DATIN0
VDD
CLK
LR
DOUT
GND
G1*4
C22
10u
C23
10u
USB Host
IC6
USB-EN
C24
100n
R4
10k
OTG-FS-DM
OTG-FS-DP
RN5D 100
RN5A 100
RN5B 100
RN5C 100
USB
+5V
D-
D+
GND
S
IMU
IC7
ICM-20689
IMU-CS
SPI4-SCK
SPI4-MOSI
SPI4-MISO
IMU-INT
RN6A 100
RN6B 100
RN6C 100
RN12A100
RN12D100
CS
SCL/SCLK
SDA/SDI
AD0/SDO
INT
FSYNC
VDDIO
REGOUT
L3
120R
C25
10u
C26
100n
C27
100n
C28
10u
RN12B100
RN12C100
RN6D 100
Magnetometer
IC8
LIS3MDL
MAG-CS
SPI4-SCK
SPI4-MOSI
SPI4-MISO
MAG-INT
MAG-DRDY
RN7B 100
RN7D 100
RN7C 100
RN7A 100
RN8A 100
RN8D 100
RN8C 100
RN8B 100
SCL/SCLK
SDA/MOSI
SA1/MISO
INT
DRDY
C1
RSV1
RSV2
L4
120R
C29
100n
C30
100n
C31
100n
C32
10u
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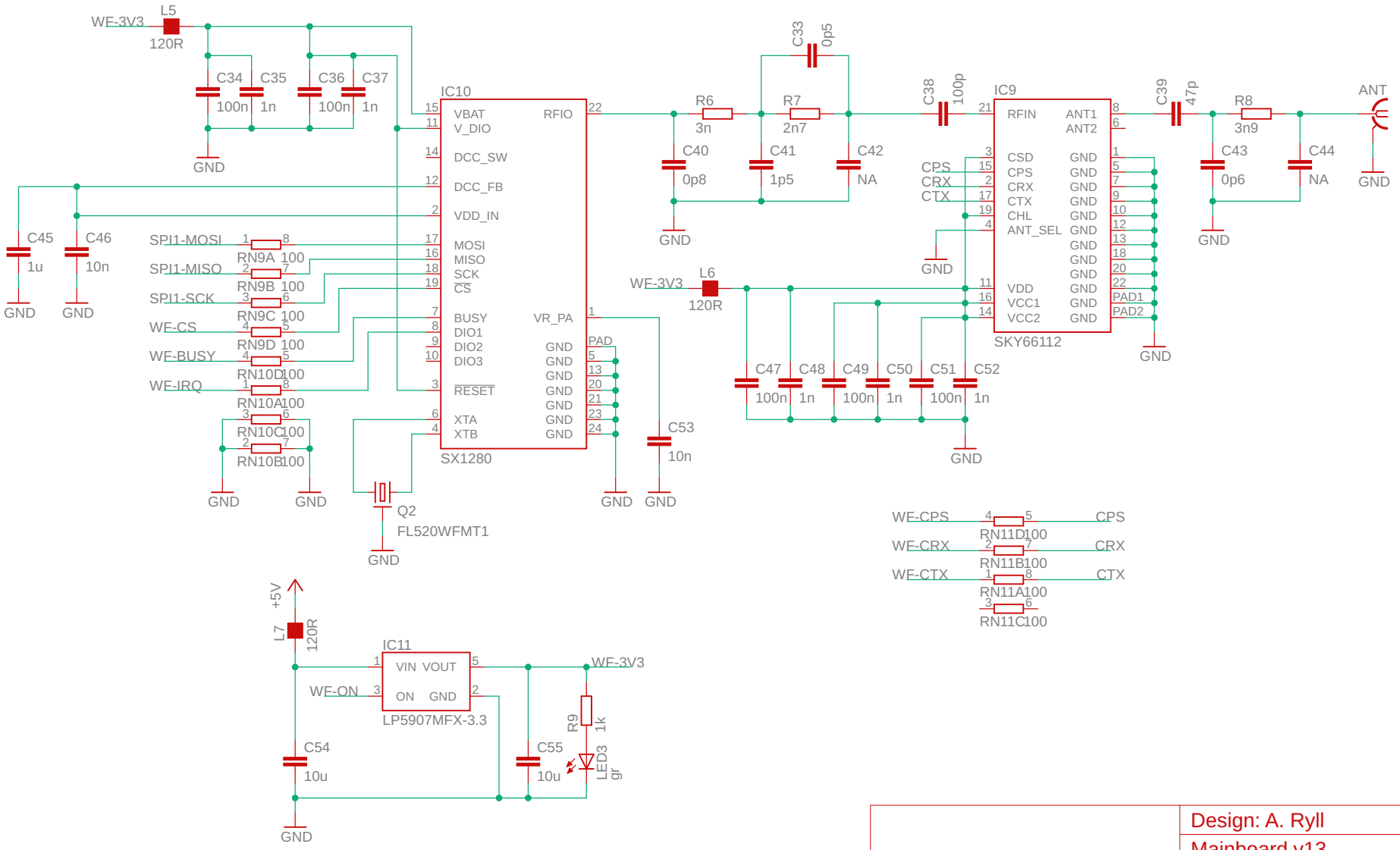
Wireless Interface



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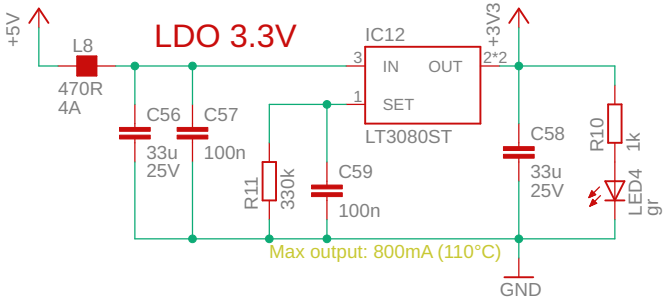
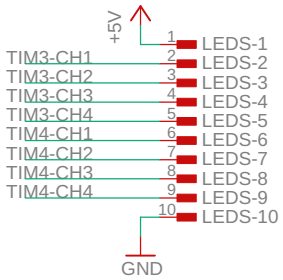
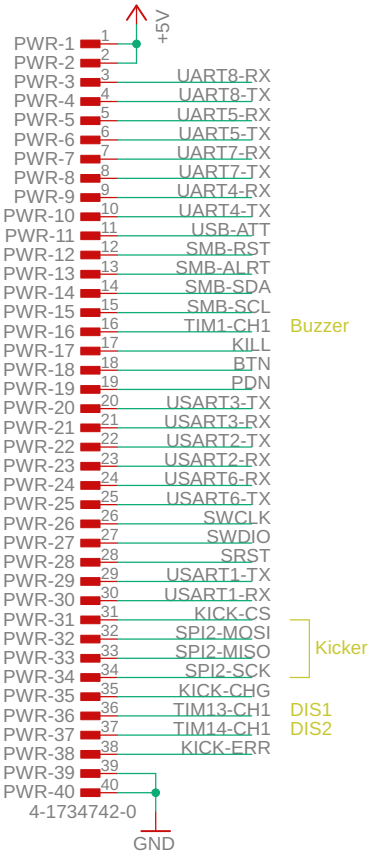
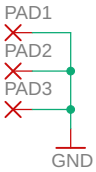
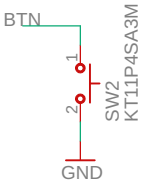
Connectors

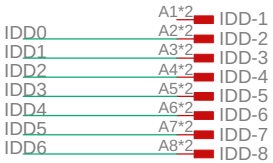












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