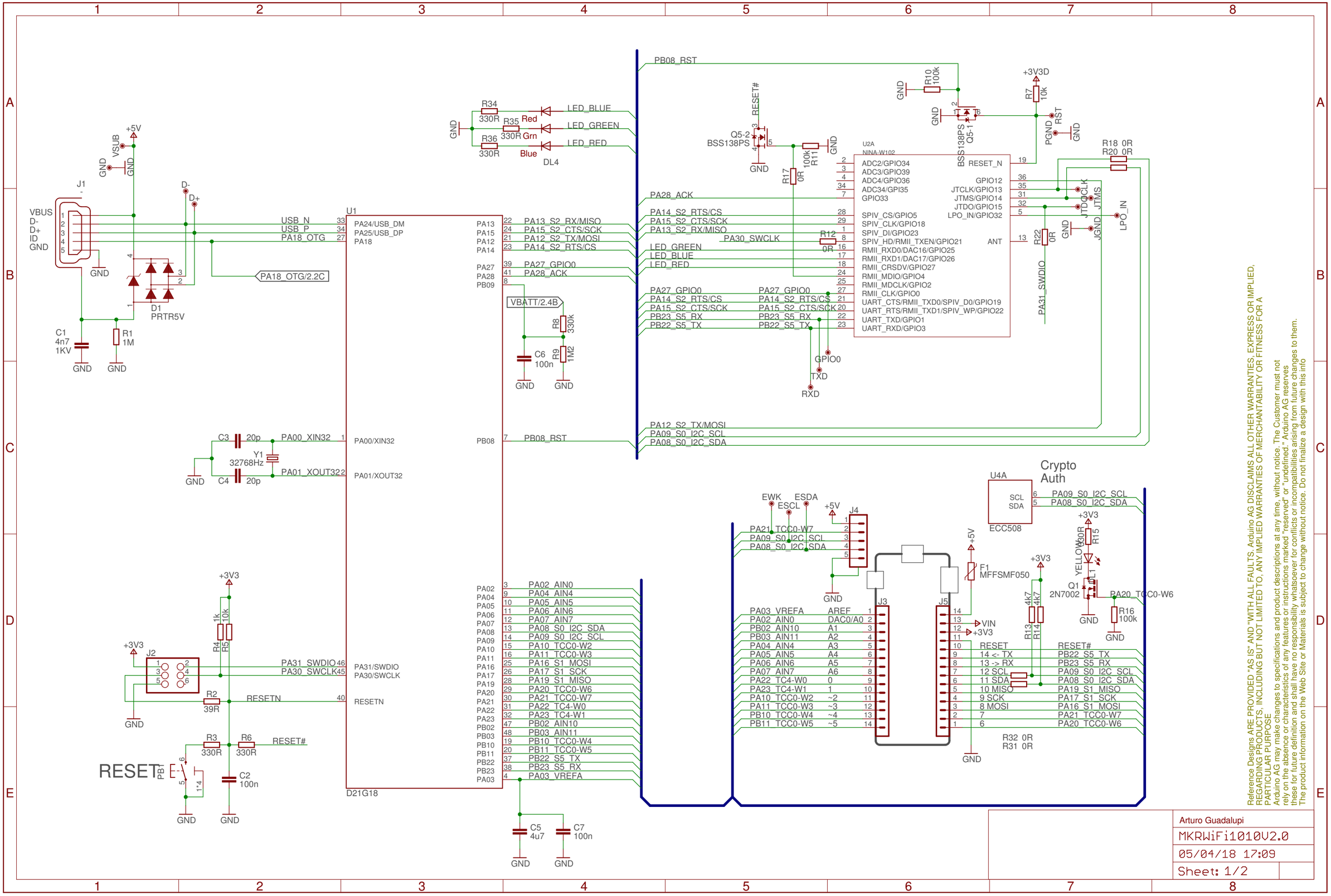
U1
D21G18
PA24/USB_DM
PA25/USB_DP
PA18
PA00/XIN32
PA01/XOUT32
PA31/SWDIO
PA30/SWCLK
RESETN
J1
VBUS
D-
D+
ID
GND
USB_N
USB_P
PA18_OTG
PA18_OTG/2.2C
D1
PRTR5V
C1
4n7
1KV
R1
1M
+5V
VSUB
C3 20p
C4 20p
Y1
32768Hz
PA00_XIN32
PA01_XOUT32
R34 330R
R35 330R
R36 330R
Red
Grn
Blue
LED_BLUE
LED_GREEN
LED_RED
DL4
VBATT/2.4B
R8 330K
R9 1M2
C6 100n
PB08_RST
PA28_ACK
PA14_S2_RTS/CS
PA15_S2_CTS/SCK
PA13_S2_RX/MISO
PA30_SWCLK
R12 0R
PA27_GPIO0
PB23_S5_RX
PB22_S5_TX
GPIO0
TXD
RXD
Q5-2
BSS138PS
RESET#
R17 0R
R11 100k
R10 100k
Q5-1
BSS138PS
+3V3D
R7 10k
PGND
RST
U2A
NINA-W102
ADC2/GPIO34
ADC3/GPIO39
ADC4/GPIO36
ADC34/GPI35
GPIO33
SPIV_CS/GPIO5
SPIV_CLK/GPIO18
SPIV_DI/GPIO23
SPIV_HD/RMII_TXEN/GPIO21
RMII_RXD0/DAC16/GPIO25
RMII_RXD1/DAC17/GPIO26
RMII_CRSDV/GPIO27
RMII_MDIO/GPIO4
RMII_MDCLK/GPIO2
RMII_CLK/GPIO0
UART_CTS/RMII_TXD0/SPIV_D0/GPIO19
UART_RTS/RMII_TXD1/SPIV_WP/GPIO22
UART_TXD/GPIO1
UART_RXD/GPIO3
RESET_N
GPIO12
JTCLK/GPIO13
JTMS/GPIO14
JTDO/GPIO15
LPO_IN/GPIO32
ANT
R18 0R
R20 0R
R22 0R
PA31_SWDIO
JTDO
JTCLK
JTMS
JGND
LPO_IN
PA12_S2_TX/MOSI
PA09_S0_I2C_SCL
PA08_S0_I2C_SDA
Crypto
Auth
U4A
SCL
SDA
ECC508
EWK
ESCL
ESDA
J4
PA21_TCC0-W7
PA09_S0_I2C_SCL
PA08_S0_I2C_SDA
F1
MFFSMF050
J3
J5
PA03_VREFA
PA02_AIN0
PB02_AIN10
PB03_AIN11
PA04_AIN4
PA05_AIN5
PA06_AIN6
PA07_AIN7
PA22_TC4-W0
PA23_TC4-W1
PA10_TCC0-W2
PA11_TCC0-W3
PB10_TCC0-W4
PB11_TCC0-W5
AREF
DAC0/A0
A1
A2
A3
A4
A5
A6
VIN
+3V3
RESET
14 <- TX
13 -> RX
12 SCL
11 SDA
10 MISO
9 SCK
8 MOSI
7
6
RESET#
PB22_S5_TX
PB23_S5_RX
PA19_S1_MISO
PA17_S1_SCK
PA16_S1_MOSI
PA20_TCC0-W6
R32 0R
R31 0R
YELLOW
L1
R15 330R
Q1
2N7002
R16 100k
R13 4k7
R14 4k7
PA02_AIN0
PA04_AIN4
PA05_AIN5
PA06_AIN6
PA07_AIN7
PA08_S0_I2C_SDA
PA09_S0_I2C_SCL
PA10_TCC0-W2
PA11_TCC0-W3
PA16_S1_MOSI
PA17_S1_SCK
PA19_S1_MISO
PA20_TCC0-W6
PA21_TCC0-W7
PA22_TC4-W0
PA23_TC4-W1
PB02_AIN10
PB03_AIN11
PB10_TCC0-W4
PB11_TCC0-W5
PB22_S5_TX
PB23_S5_RX
PA03_VREFA
C5 4u7
C7 100n
J2
R4 1k
R5 10k
R2 39R
R3 330R
R6 330R
RESET
PB1
C2 100n
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Arturo Guadalupi
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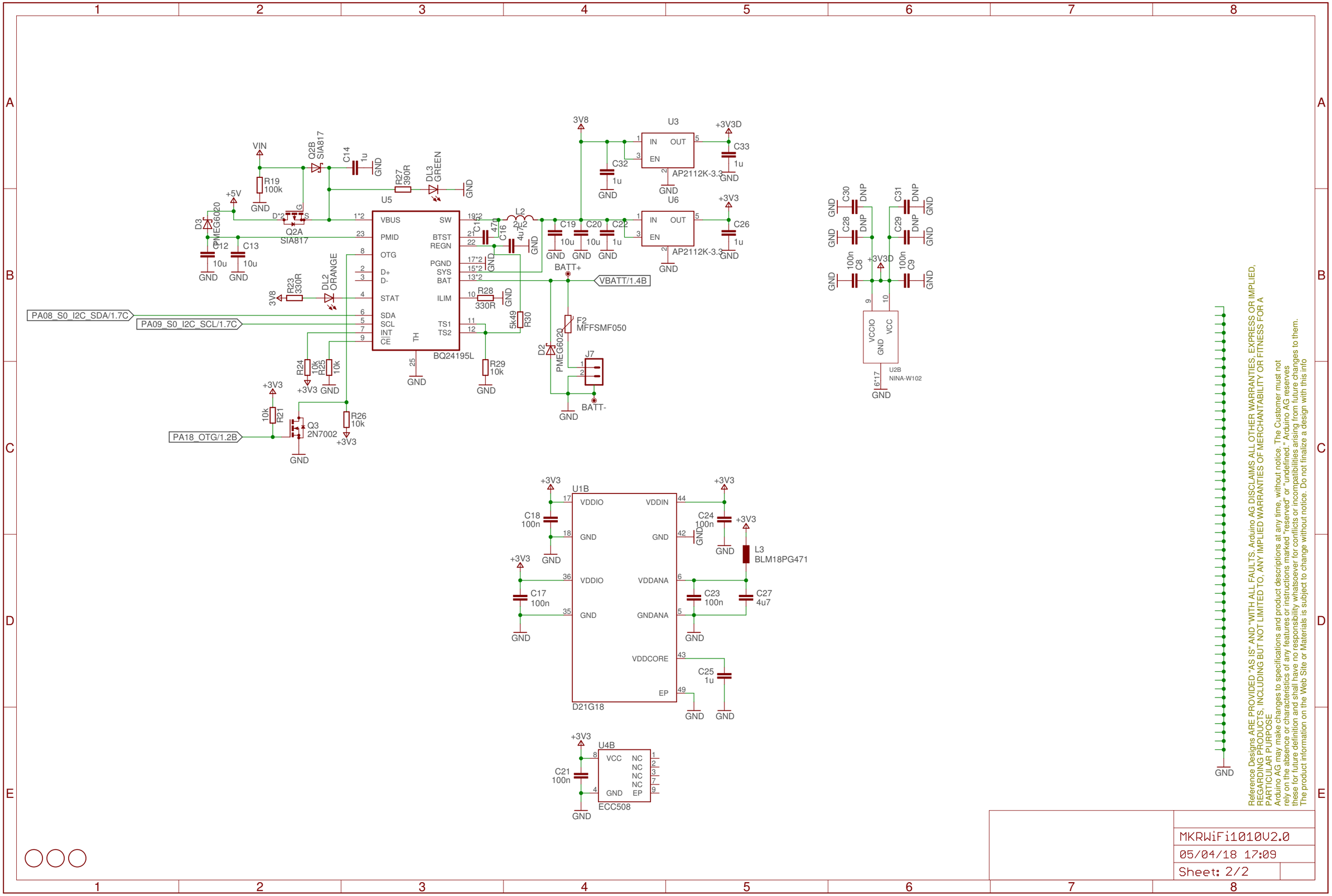
Sheet: 1/2

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