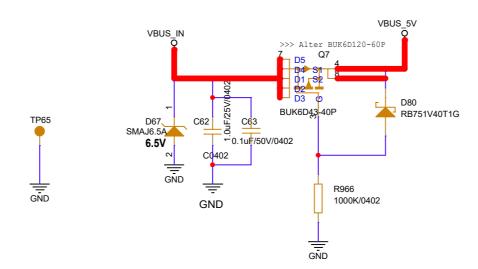
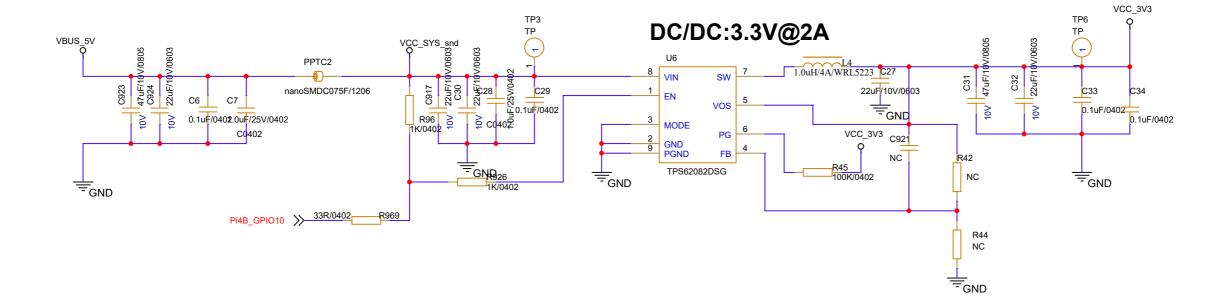
USB type-C VBUS_IN VBUS_IN A1 A2 A3 A4 A5 A6 A7 A8 A9 A10 A11 A12 B3 B4 B5 B6 B7 B8 D52 D53 SESD0402X1BN-0010-098 CC1 SESD0402X1BN-0010-098 B12 SHELL1-SHELL2-SHELL30 SHELL4 SHELL5 ± GND = GND 5.1K/0402 CSHELL6 = GND _GND = GND ConUSB31_632723100011 5.1K/0402 ±GND VCC_3V3 **USB to UARTs** VCC_3V3 VCC_3V3 VCC_1V8 C4 C916 BLM15AX121SN1# 0.1uF/0402 FB5 BLM15AX121SN1# ÷ U63 GND O O O O O O O O O O O O ADBUS0/TXD >>>> ADBUS1/RXD ADBUS2/RTS# VREGIN THE WEE Pi4B_UART4_RX Pi4B_UART4_TX C2 2 //\SZ/\delta\nQ\dagger\ 4.7uF/16V/0603 Pi4B_UART4_TX ADBUS3/CTS# ADBUS4/DTR# ADBUS5/DSR# ADBUS6/DCD# ->> Pi4B_UART4_TX Pi4B UART4 RX ✓ Pi4B_UART4_RX GND GND ADBUS7RI#/TXDEN REF VCC_3V3 GNSS_UART1_USB_TX BDBUS1/RXD BDBUS2/RTS# ->> GNSS_UART1_USB_TX RESET# GNSS_UART1_USB_RX --- GNSS_UART1_USB_RX BDBUS3/CTS# BDBUS4/DTR# BDBUS5/DSR# 61 62 63 EEDATA EECLK BDBUS6/DCD# BDBUS7/RI#/TXDEN GNSS_UART1_USB_RX GNSS_UART1_USB_TX ÷~ EECS CDBUS0/TXD ÷ GND CDBUS1/RXD CDBUS2/RTS# GND OSCI CDBUS4/DTR# CDBUS5/DSR# ABM8G-12.000MHZ-B4Y-T CDBUS6/DCD# CDBUS7/RI#/TXDEN OSCO VCC_3V3 DDBUS0/TXD DDBUS1/RXD C99 DDBUS2/RTS# DDBUS4/DTR# DDBUS5/DSR# TEST DDBUS6/DCD# DDBUS7/RI#/TXDEN ÷ LED/0603-Green **PWREN** PWREN# SUSPEND# GND D58 R925 PWREN EL5535HF 5 2 4 8 2 2 E a 330R/0402 D2 PWRIN&USB_to_UARTs ÷ Document Numbe GND GND

5 3 2 1

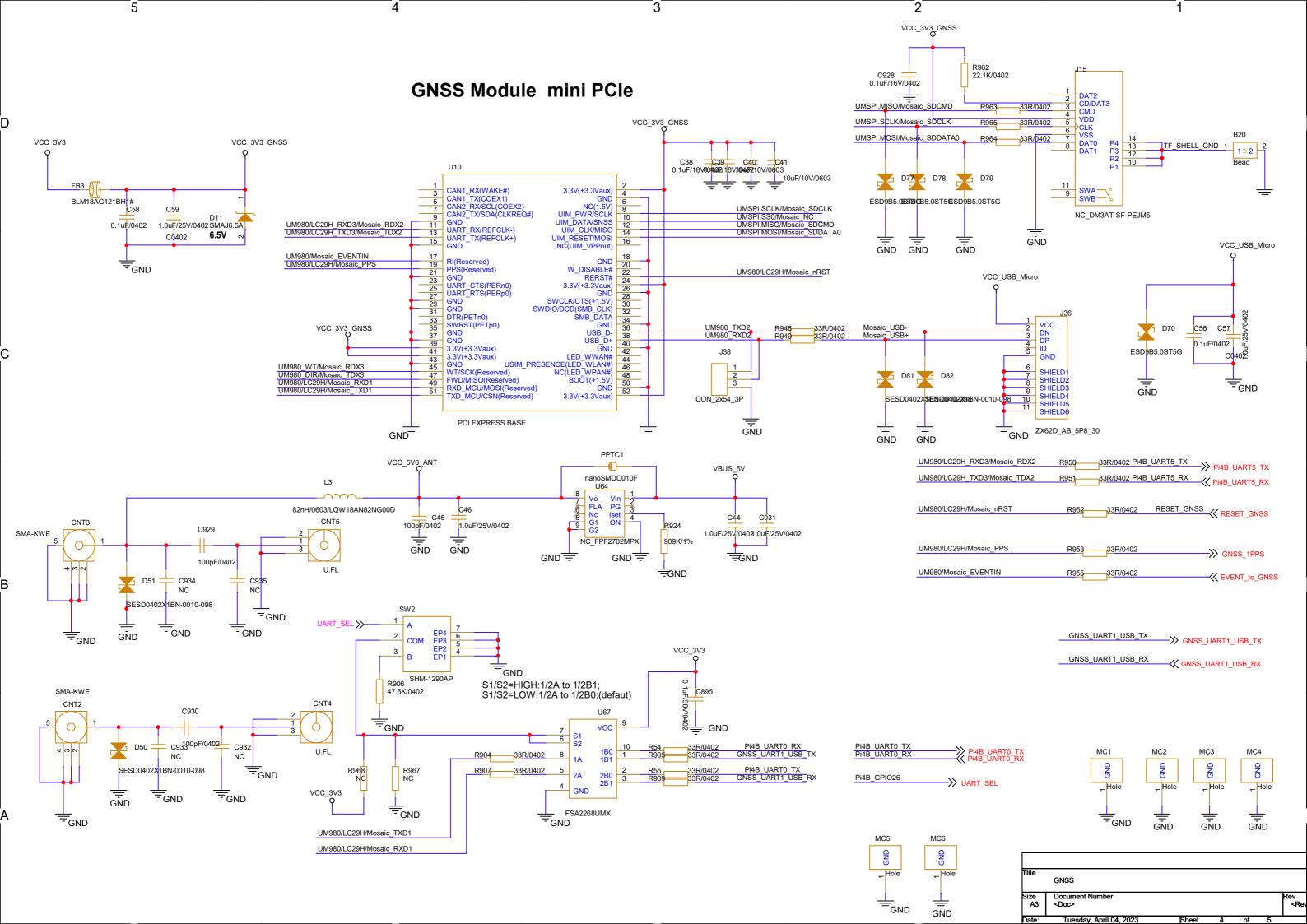
Power in

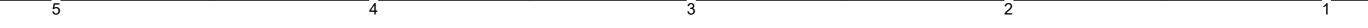




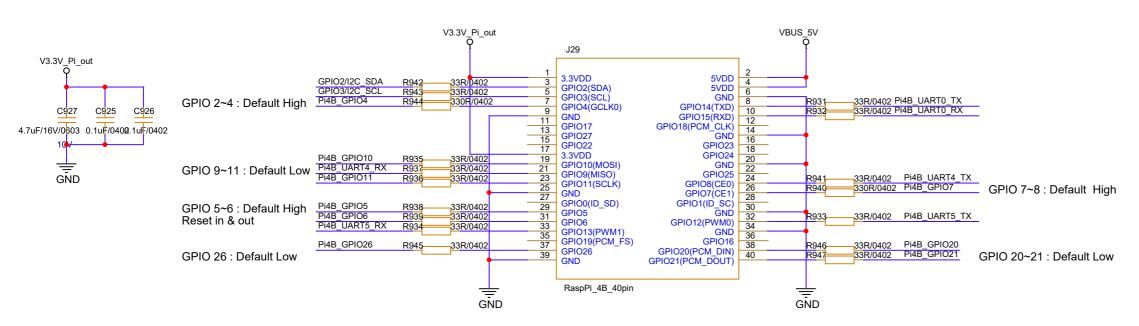
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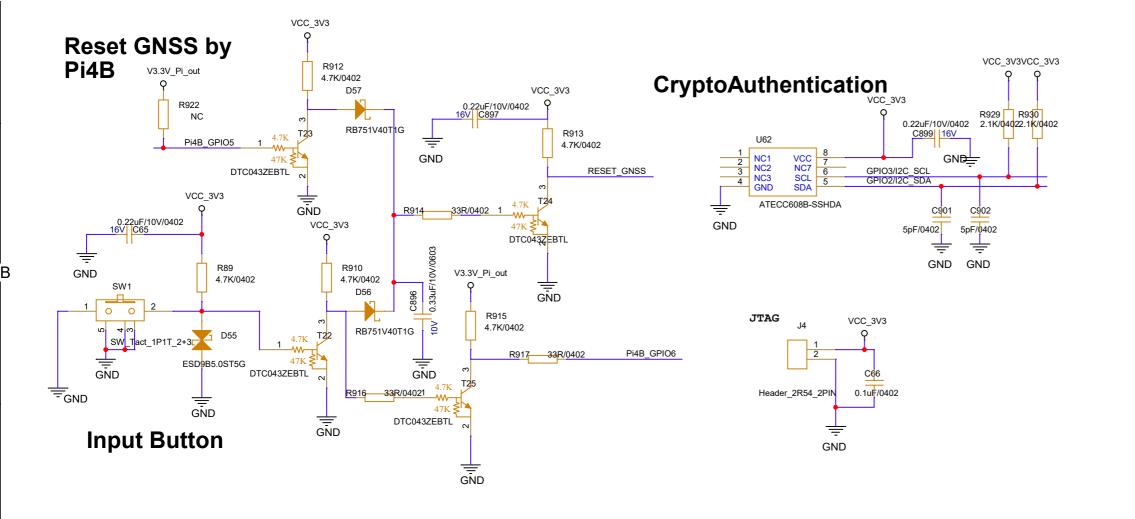
5





RaspBerryPi 4B 40pin





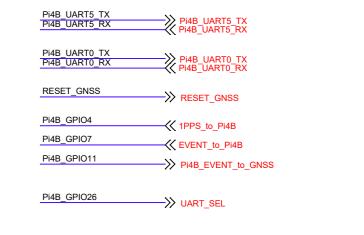
UART to USB/Host

Pi4B_UART4_TX

Pi4B_UART4_RX

Pi4B_UART4_RX

GNSS interface



DCDC EN

Pi4B_GPI010 >>> Pi4B_GPI010
GPIO 10: Default Low

LED interface

Pi4B_GPIO20 >>> BT_STATUS

Title
Pi4B&CryptoAuthentication

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Pate: Wednesday November 30, 2022 Sheet 5, of 5