



Monerologo-mid

Monero

MH1
Mountinghole-440

MH2
Mountinghole-440

MH3
Mountinghole-440

FID1
Fiducial-PCB

FID2
Fiducial-PCB

FID3
Fiducial-PCB

FID4
Fiducial-PCB

FID5
Fiducial-PCB

FID6
Fiducial-PCB

S1
A1
A12
B1
B12

SHIELD

USB_C_Receptacle

TP5
T5V

D5
D_Schottky

J16
CONN_OX02

To be hooked
to charging IC.

VDD outputs 100 mA so
let's cross our fingers!

TP19
TUSBN

USB_N

TP20
TUSBP

USB_P

TP21
TUART_TX

BRIDGE_TX

TP22
TUART_RX

BRIDGE_RX

Correlation power analysis

SHUNT
C3
470nF

R10
SHUNT

+3V3

Battery_Cell

Bug: Complete missing
capacitor decoupling.

+3V3

+5V

Remember to
reverse these!

GPIO104/UART0_TX

GPIO105/UART0_RX

GPIO127/UART0_CTS#

GPIO225/UART0_RTS#

GPIO107/KS004

GPIO112/KS005

GPIO113/KS006

GPIO120/KS007

GPIO121/QSPI1_I00/KS008

GPIO122/QSPI1_I01/KS009

GPIO124/QSPI1_CS#K5011

GPIO125/GPTP-OUT5/QSPI1_CLK/K5012

GPIO134/PWM10/UART1_RTS#

GPIO135/UART1_CTS#

GPIO140/ICT5

GPIO200/ADC00

GPIO201/ADC01

GPIO202/ADC02

GPIO203/ADC03

GPIO204/ADC04

GPIO154/I2C02_SDA

GPIO155/I2C02_SCL

GPIO156/LED0

GPIO157/LED1

JTAG_RST#

C2 JTAG_TDI

B6 JTAG_TDO

A7 JTAG_TCK

B3 JTAG_TMS

F9 BBUS_TX

F8 BBUS_RX

GPIO162/VCL_IN1#

GPIO163/VCL_IN0#

VCL_OUT

BGP00

GPIO171/TFDATA/UART1_RX/(JTAG_STRAP)

GPIO10001/PWM4

GPIO002/PWM5

GPIO007/I2C03_SDA

GPIO010/I2C03_SCL

GPIO012/I2C07_SDA/TOUT3

GPIO013/I2C07_SCL/TOUT2

GPIO017/GPTP-IN5/KS10

GPIO020/KS11

GPIO021/KS12

GPIO026/TIN1/KS13

GPIO027/TIN2/KS14

GPIO030/TIN3/KS15

GPIO031/KS16

GPIO032/KS17

GPIO040/KS000

GPIO045/KS001

GPIO046/KS002

GPIO047/KS003

GPIO050/FAN_TACH0/GTACH0

GPIO051/FAN_TACH1/GTACH1

GPIO053/PWM0/GPWM0

GPIO054/PWM1/GPWM1

GPIO003/I2C00_SDA/SPI0_CS#

GPIO004/I2C00_SCL/SPI0_MOSI

GPIO034/RX_ID1/SPI0_CLK

GPIO036/RX_ID2/SPI0_MISO

GPIO055/PWM2/QSPI0_CS#

GPIO056/PWM3/QSPI0_CLK

GPIO223/QSPI0_I00

GPIO224/QSPI0_I01

GPIO227/QSPI0_I02

GPIO016/GPTP-IN7/QSPI0_I03/ICT3

GPIO0001/PWM4

GPIO002/PWM5

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