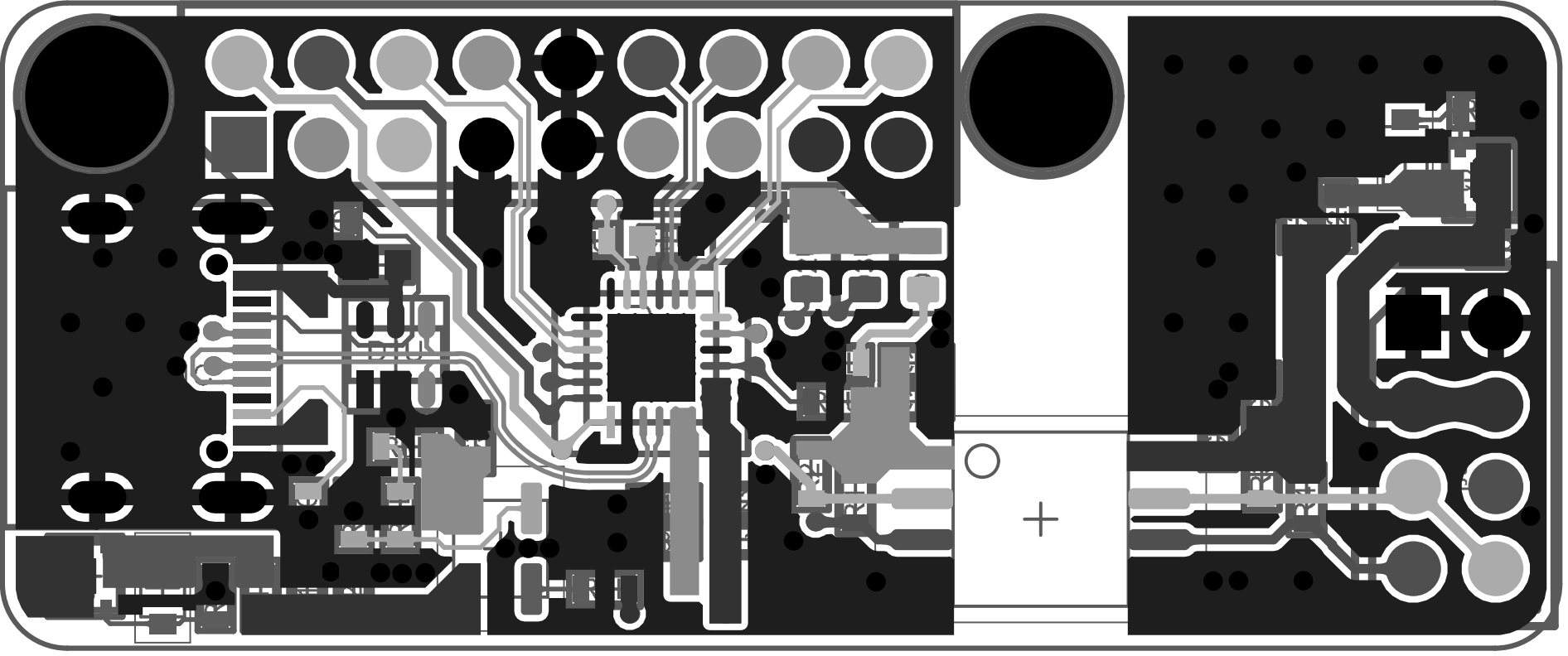

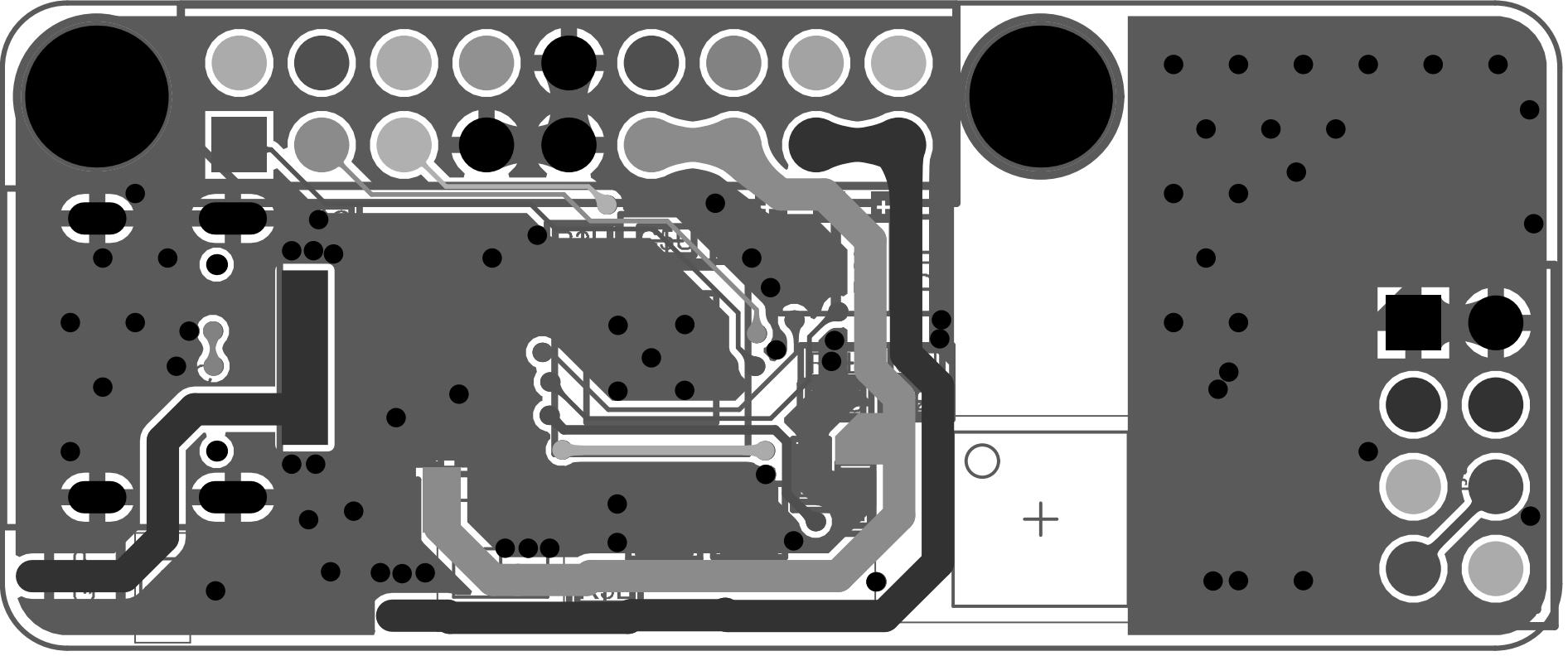

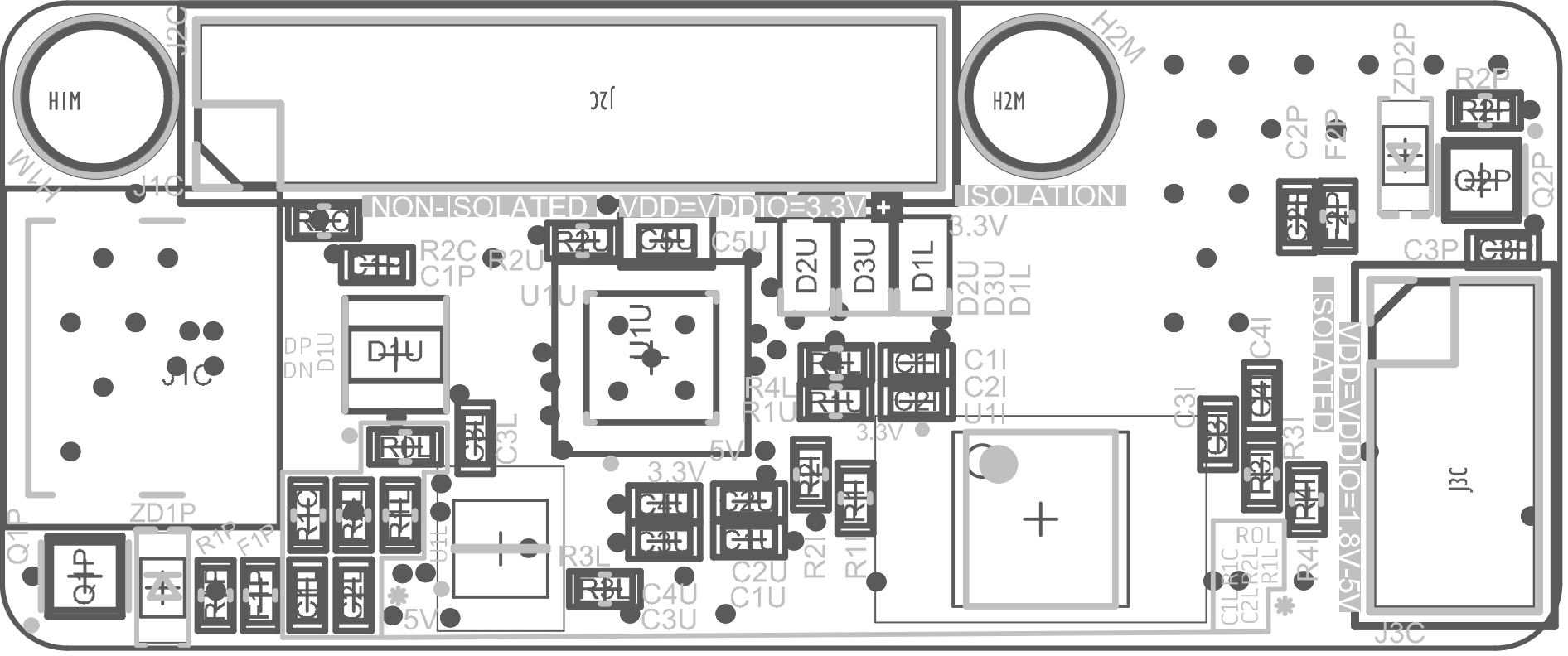
H1M
H2M
J2C
J1C
J3C
NON-ISOLATED VDD=VDDIO=3.3V
ISOLATION
ISOLATED VDD=VDDIO=1.8V-5V
U1U
D1U
D2U
D3U
D1L
C5U
C1P
R2C
R2U
DP
DN
R4L
R1U
C1I
C2I
U1I
3.3V
5V
C3L
R0L
R3L
C4U
C3U
C2U
C1U
R2I
R1I
C3I
R3I
R4I
R0L
C1C
C2L
R2L
R1L
C4I
ZD1P
R1P
F1P
Q1P
ZD2P
R2P
Q2P
C2P
F2P
C3P

M1H
M2H
ISOLATION
IO7
IO6
IO5
IO4
GND
IO3
IO2
SCL
5V
5V
3.3V
3.3V
GND
GND
SUS#
SUS
2 Layers
0.6MM
Copper 1oz
Impedance
Single 50Ω
Single 60Ω
Diff 90Ω
GND
GND
VDD
VDD
SCL
SDA
SDA
SCL
USB TO
I2C
AND
SMB
ISOLATED
SDA
RST#
Register, 1%, 0603
Capacitor, 10%, 0603
Alcatraz
NON-ISOLATED PORTS
SCH-Ver-1 & PCB-Ver-1
ISOLATED PORTS

J2C
W1M
W2M
J1C
D4U
U
J3C
R0
R1
R2
R3
R4
R5
R6
R7
R8
R9
R10
R11
R12
R13
R14
R15
R16
R17
R18
R19
R20
R21
R22
R23
R24
R25
R26
R27
R28
R29
R30
R31
R32
R33
R34
R35
R36
R37
R38
R39

H1M
J2C
H2M
R2H
Q2P
C2H
L2P
C3H
R6C
C1H
R1U
C5U
D2U
D3U
D1L
D1U
U1U
R6H
C6H
R1U
C2H
J1C
R6L
C3L
C4L
R3H
R4H
J3C
R2L
R1L
R5C
R4L
R1H
C4H
C3H
C5H
C1H
R5L
Q1P
R3L
L1P
C1L
C2L

H1M
J2C
H2M
R2H
Q2P
C2H
L2P
C3H
R6C
C1H
R1U
C5U
D2U
D3U
D1L
D1U
U1U
R6H
C6H
R1U
C2H
J1C
R6L
C3L
C4L
R3H
R4H
J3C
R2L
R1L
R5C
R4L
R1H
C4H
C3H
C5H
C1H
R5L
Q1P
R3L
L1P
C1L
C2L

H1M
J2C
H2M
R2H
Q2P
C2H
L2P
C3H
R6C
C1H
R1U
C5U
D2U
D3U
D1L
D1U
U1U
R6H
C6H
R1U
C2H
J1C
R6L
C3L
C4L
R3H
R4H
J3C
R2L
R1L
R5C
R4L
R1H
C4H
C3H
C5H
C1H
R5L
Q1P
R3L
L1P
C1L
C2L

H1M
J2C
H2M
R2H
Q2P
C2H
C1P
C3H
R0C
C1H
R1U
C5U
D2U
D3U
D1L
J1C
D1U
U1U
R0H
C1H
R1U
C2H
C3H
R0L
C3L
R2H
R1H
R2C
R1C
R1H
C4H
C3H
C2U
C1U
R3L
Q1P
R0H
L1H
C1H
C4H
J3C

H1M
J2C
H2M
R2L
Q2P
C2L
C2P
C3L
R0C
C1L
R1U
C5U
D2U
D3U
D1L
J1C
D1U
U1U
R0L
C0L
R6L
C6L
R5L
C5L
R4L
C4L
R3L
C3L
R2L
R1L
C1L
C2L
R1C
R0C
C0L
C1L
Q1P
J3C
R3L
C3L
C4L
R4L

H1M
J2C
H2M
R2H
Q2P
C2H
L2P
C3H
R6C
C1H
R1U
C5U
D2U
D3U
D1L
D1U
U1U
R6H
C6H
R1U
C2H
J1C
R6L
C3L
C4L
R3H
R4H
J3C
R2L
R1L
R5C
R4L
R1H
C4H
C3H
C5H
C1H
R5L
Q1P
R3L
L1P
C1L
C2L

H1M
J2C
H2M
R2H
Q2P
C2H
L2P
C3H
R6C
C1H
R1U
C5U
D2U
D3U
D1L
D1U
U1U
R6H
C6H
R1U
C2H
J1C
R6L
C3L
C4L
R3H
R4H
J3C
R2L
R1L
R5C
R4L
R1H
C4H
C3H
C5H
C1H
R5L
Q1P
R3L
L1P
C1L
C2L

H1M
J2C
H2M
R2H
Q2P
C2H
C2P
C3H
R0C
C1H
R1U
C5U
D2U
D3U
D1L
D1U
U1U
R0L
C6L
R6H
C1H
R1U
C2H
J1C
R2H
R1H
C3H
C4U
C3U
C1U
R8L
R0C
R0H
R1H
C1H
C4H
Q1P
R3H
C3H
C4H
R3H
R4H
J3C

H1M
J2C
H2M
R2H
Q2P
C2H
C1P
C3H
R0C
C1H
R1U
C5U
D2U
D3U
D1L
D1U
U1U
J1C
R0L
C3L
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C1U
C2U
C4H
R2L
R1L
C3H
C4U
C3U
C1H
R3L
C3
C4
R3
R4
J3C
R1C
R0H
R1H
C1L
C4L
Q1P
R3L

H1M
J2C
H2M
R2H
Q2P
C2H
L2P
C3H
R6C
C1H
R4U
C4U
D2U
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D1L
J1C
D1U
U1U
R5H
R1U
C1H
C2H
C3H
R6L
C5H
R2H
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R3H
C4H
R4H
J3C
R7C
R8C
R9H
C6H
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C9H
C10H
C11H
R8L
Q1P
L1P
R1H
C1H
C2H

H1M
J2C
H2M
R2H
Q2P
C2H
L2P
C3H
R0C
C1H
R1U
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U1U
D1U
J1C
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R2H
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R4H
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R0H
R1H
C4H
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C7H
R3L
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J2C
H2M
R2H
Q2P
C2H
C1P
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R2C
C1H
R1U
C4U
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D1U
U1U
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C1H
R1U
C2H
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J3C
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R1H
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C4U
R2H
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R3L
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L1H
C1H
C4H

J2
J1
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D3
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J2C
D2U
D3U
D1L
U1U
J1C
J3C

J2C
J1C
J3C
U1U
D1U
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WIH

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J2C
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C2P
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D2U
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