

1 GND

GND

GND

GND

GND

AV
R34
R33
R32

N
GND

P
5V

+5V

N
GND

P
5V

+5V

N
GND

P
5V

+5V

N
GND

P
5V

+5V

C6
C5
C9
C8
C7
R12
R19
C1
C2
R10
R11
R13
R14
R15
R16
R17
R18
R20
R21
R22
R23
R24
R25
R26
R27
R28
R29
R30
R31
R32
R33
R34
R35
R36
R37
R38
R39
R40
R41
R42
R43
R44
R45
R46
R47
R48
R49
R50
R51
R52
R53
R54
R55
R56
R57
R58
R59
R60
R61
R62
R63
R64
R65
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R67
R68
R69
R70
R71
R72
R73
R74
R75
R76
R77
R78
R79
R80
R81
R82
R83
R84
R85
R86
R87
R88
R89
R90
R91
R92
R93
R94
R95
R96
R97
R98
R99
R100

P
Net- (36-Pos)
N
GND
7.4V 20A

1 GND

Killswitch
B EN
EN

Secondary PCB

CS
DI
RST
P1
P0
BT
NT
NT

Secondary PCB

Hydrophones

Pres. Sensor

LED

Teensy 4.1

1 GND

C31

A9

A8

A7

A6

*A5

*A4

*A3

*A2

*A1

*A0

*G

*A17

A16

A15

A14

32

37

36

35

34

*33

1 *

2

3

4

5

6

7

8

9

10

11

12

13

A10

A11

A12 *

A13 *

28

29

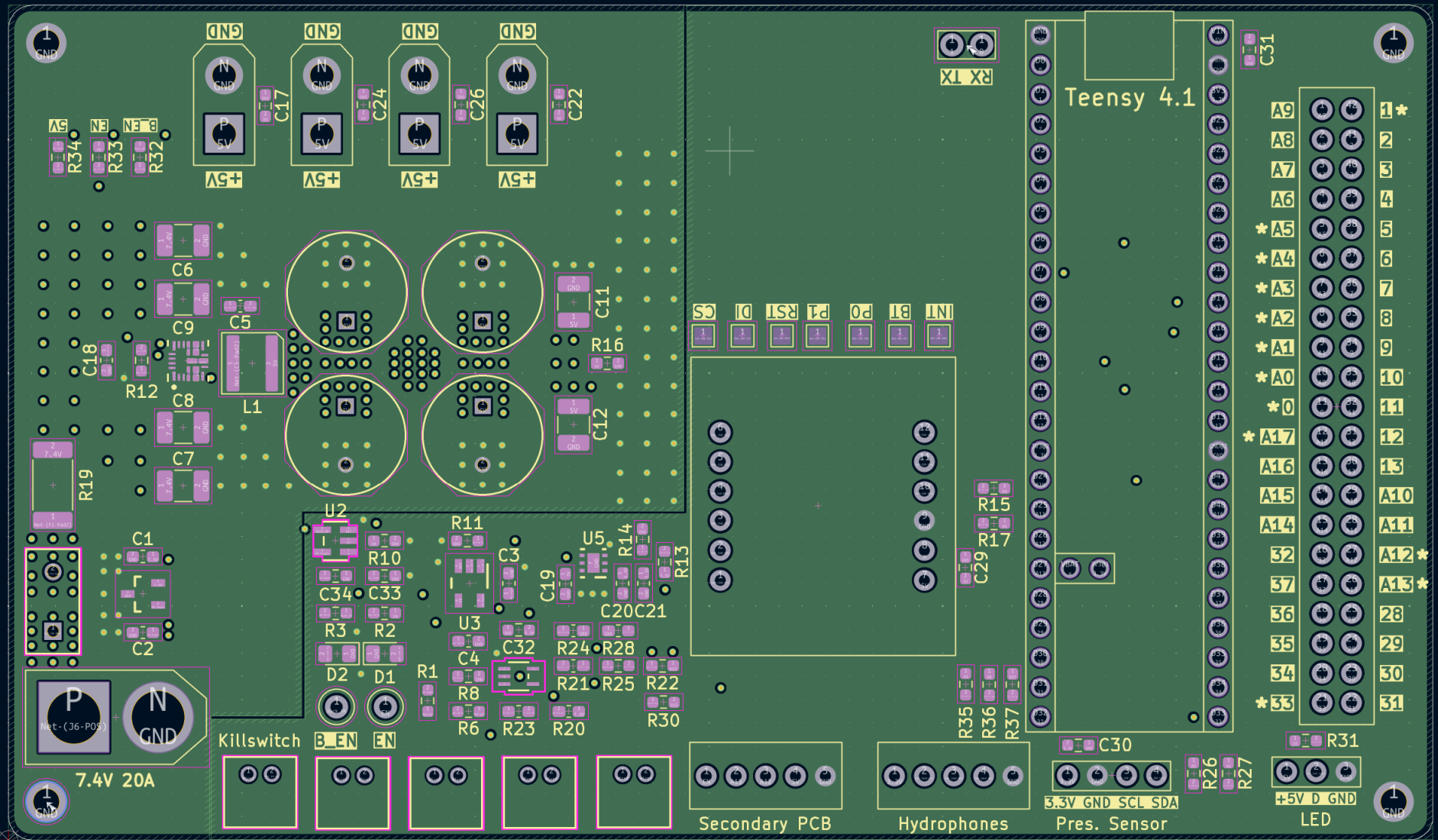
30

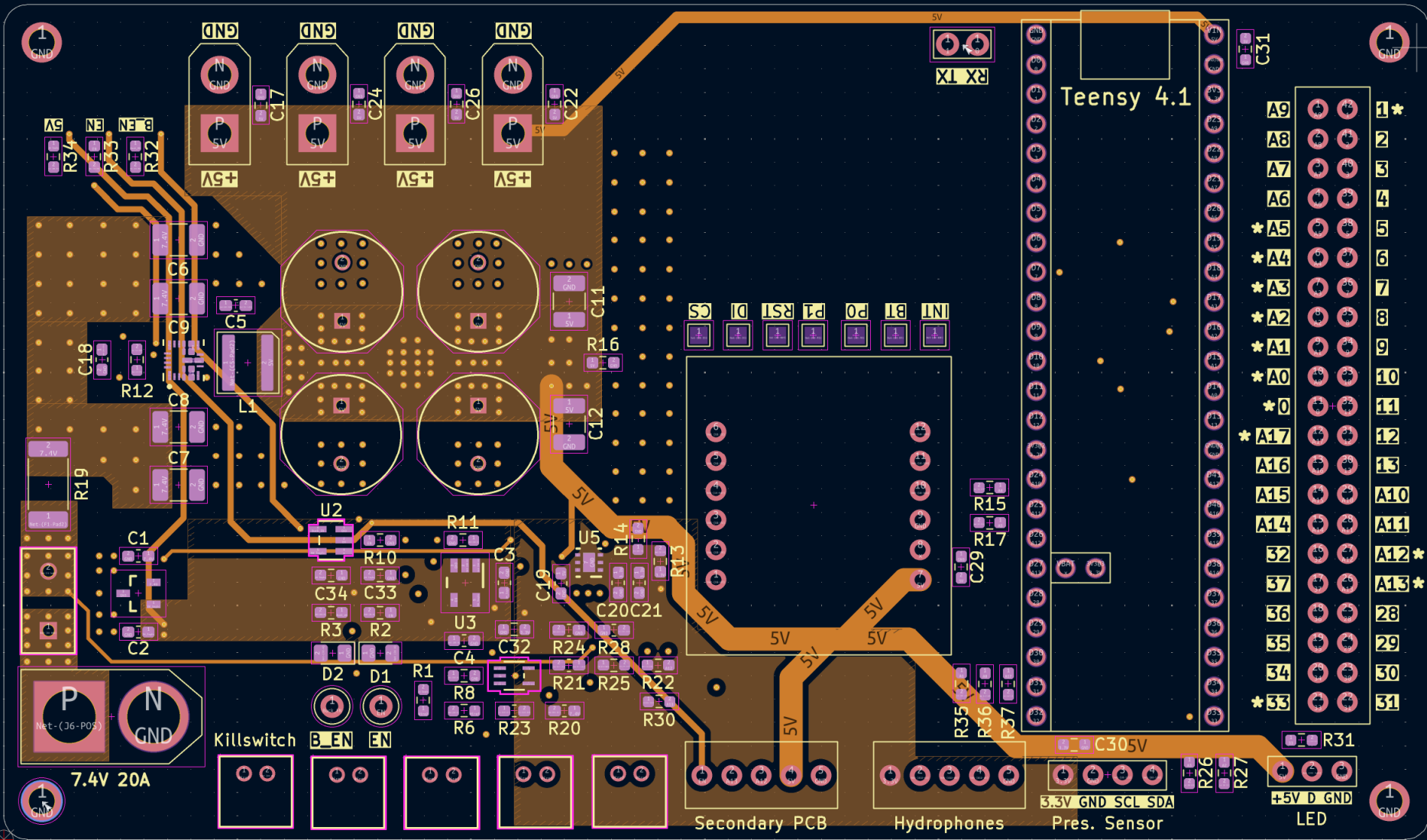
31

3.3V GND SCL I2C

+5V D GND

1 GND





1 GND

1 GND

A9

B EN

B EN

B EN

B EN

B EN

B EN

B EN

B EN

B EN

B EN

B EN

B EN

B EN

B EN

B EN

B EN

B EN

B EN

B EN

B EN

B EN

B EN

B EN

B EN

B EN

B EN

B EN

B EN

R34

R33

R32

R31

R30

R29

R28

R27

R26

R25

R24

R23

R22

R21

R20

R19

R18

R17

R16

R15

R14

R13

R12

R11

R10

R9

R8

R7

R6

C18

C17

C16

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C0

C-1

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C-9

C-10

R19

R18

R17

R16

R15

R14

R13

R12

R11

R10

R9

R8

R7

R6

R5

R4

R3

R2

R1

R0

R-1

R-2

R-3

R-4

R-5

R-6

R-7

R-8

R-9

C18

C17

C16

C15

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C1

C0

C-1

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C-10

R19

R18

R17

R16

R15

R14

R13

R12

R11

R10

R9

R8

R7

R6

R5

R4

R3

R2

R1

R0

R-1

R-2

R-3

R-4

R-5

R-6

R-7

R-8

R-9

C18

C17

C16

C15

C14

C13

C12

C11

C10

C9

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C7

C6

C5

C4

C3

C2

C1

C0

C-1

C-2

C-3

C-4

C-5

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C-8

C-9

C-10

R19

R18

R17

R16

R15

R14

R13

R12

R11

R10

R9

R8

R7

R6

R5

R4

R3

R2

R1

R0

R-1

R-2

R-3

R-4

R-5

R-6

R-7

R-8

R-9

C18

C17

C16

C15

C14

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C12

C11

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C-9

C-10

R19

R18

R17

R16

R15

R14

R13

R12

R11

R10

R9

R8

R7

R6

R5

R4

R3

R2

R1

R0

R-1

R-2

R-3

R-4

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R-6

R-7

R-8

R-9

C18

C17

C16

C15

C14

C13

C12

C11

C10

C9

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C6

C5

C4

C3

C2

C1

C0

C-1

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C-8

C-9

C-10

R19

R18

R17

R16

R15

R14

R13

R12

R11

R10

R9

R8

R7

R6

R5

R4

R3

R2

R1

R0

R-1

R-2

R-3

R-4

R-5

