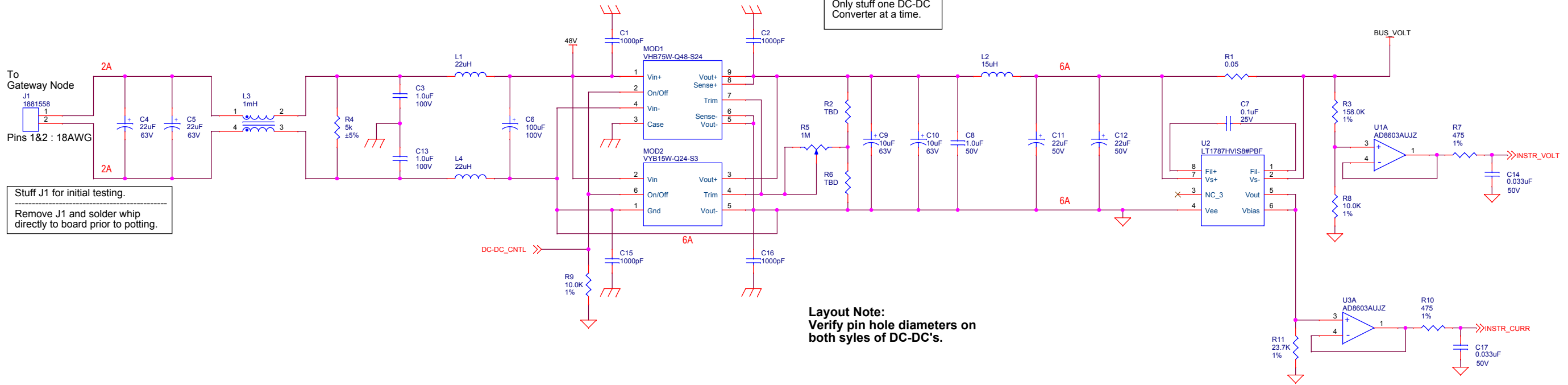


Stuffing option:

Only stuff one DC-DC Converter at a time.



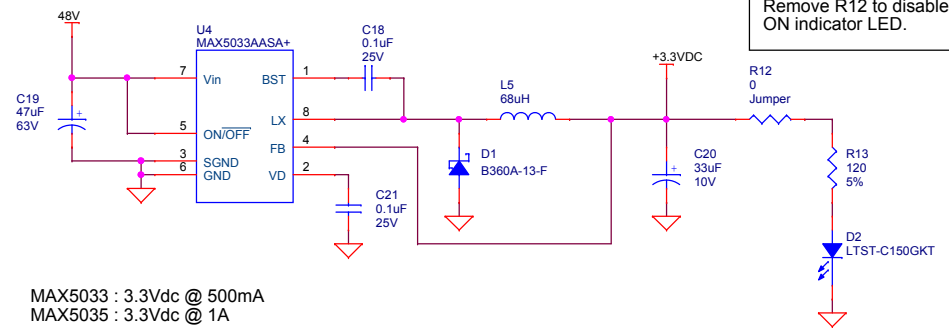
Stuff J1 for initial testing.
Remove J1 and solder whip directly to board prior to potting.

Layout Note:
Verify pin hole diameters on both styles of DC-DC's.

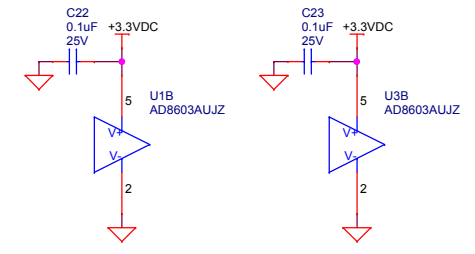
Pin holes for PN#1881558 have d = 1.2mm
18AWG wire d = 1.024mm
24AWG wire d = 0.511mm

Stuffing option:


Remove R12 to disable ON indicator LED.



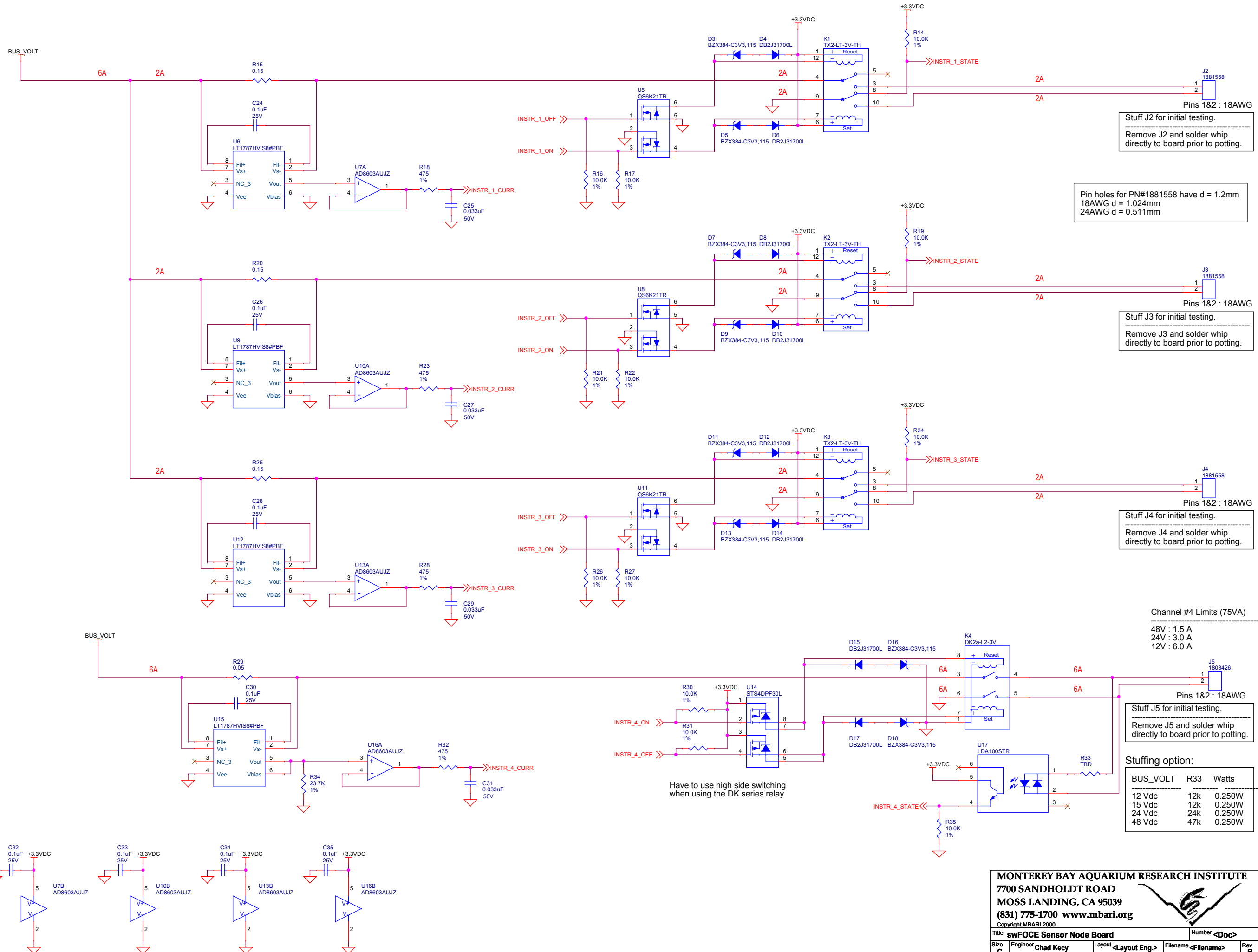
MAX5033 : 3.3Vdc @ 500mA
MAX5035 : 3.3Vdc @ 1A



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Stuff J2 for initial testing.
Remove J2 and solder whip directly to board prior to potting.

Pin holes for PN#1881558 have d = 1.2mm
18AWG d = 1.024mm
24AWG d = 0.511mm

Stuff J3 for initial testing.
Remove J3 and solder whip directly to board prior to potting.

Stuff J4 for initial testing.
Remove J4 and solder whip directly to board prior to potting.

Channel #4 Limits (75VA)
48V : 1.5 A
24V : 3.0 A
12V : 6.0 A

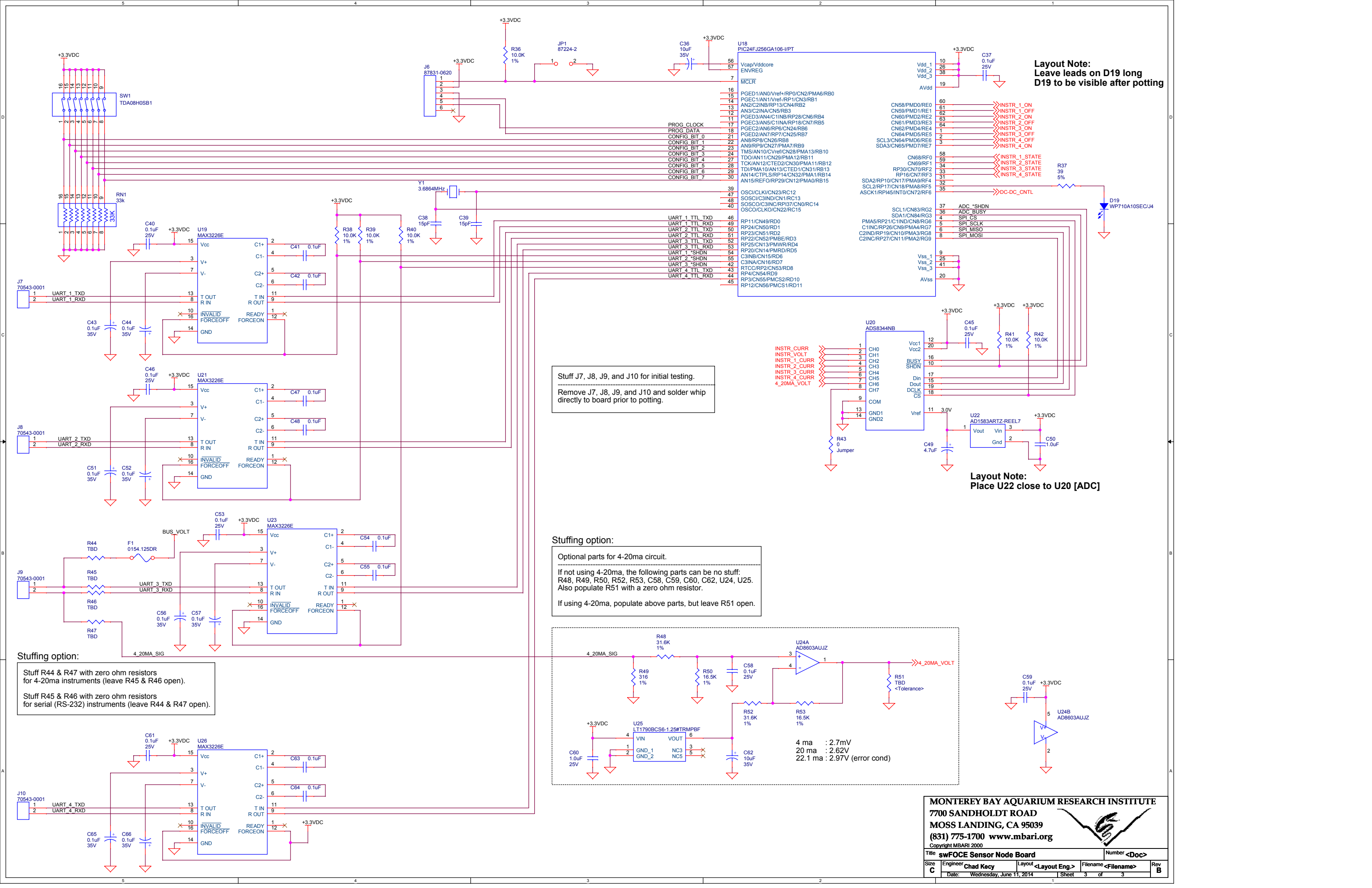
Stuff J5 for initial testing.
Remove J5 and solder whip directly to board prior to potting.

Stuffing option:

BUS_VOLT	R33	Watts
12 Vdc	12k	0.250W
15 Vdc	12k	0.250W
24 Vdc	24k	0.250W
48 Vdc	47k	0.250W

Have to use high side switching when using the DK series relay

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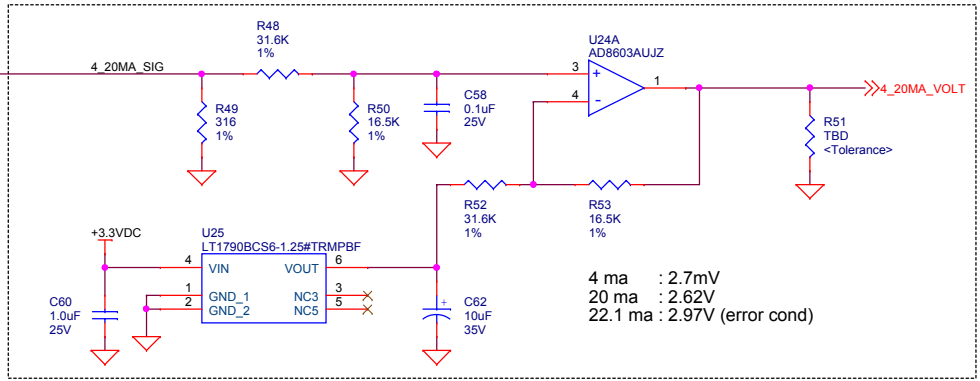
Layout Note:
Leave leads on D19 long
D19 to be visible after potting

Stuff J7, J8, J9, and J10 for initial testing.
Remove J7, J8, J9, and J10 and solder whip directly to board prior to potting.

Layout Note:
Place U22 close to U20 [ADC]


Stuffing option:
Optional parts for 4-20ma circuit.
If not using 4-20ma, the following parts can be no stuff:
R48, R49, R50, R52, R53, C58, C59, C60, C62, U24, U25.
Also populate R51 with a zero ohm resistor.
If using 4-20ma, populate above parts, but leave R51 open.

Stuffing option:
Stuff R44 & R47 with zero ohm resistors for 4-20ma instruments (leave R45 & R46 open).
Stuff R45 & R46 with zero ohm resistors for serial (RS-232) instruments (leave R44 & R47 open).



4 ma	: 2.7mV
20 ma	: 2.62V
22.1 ma	: 2.97V (error cond)

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