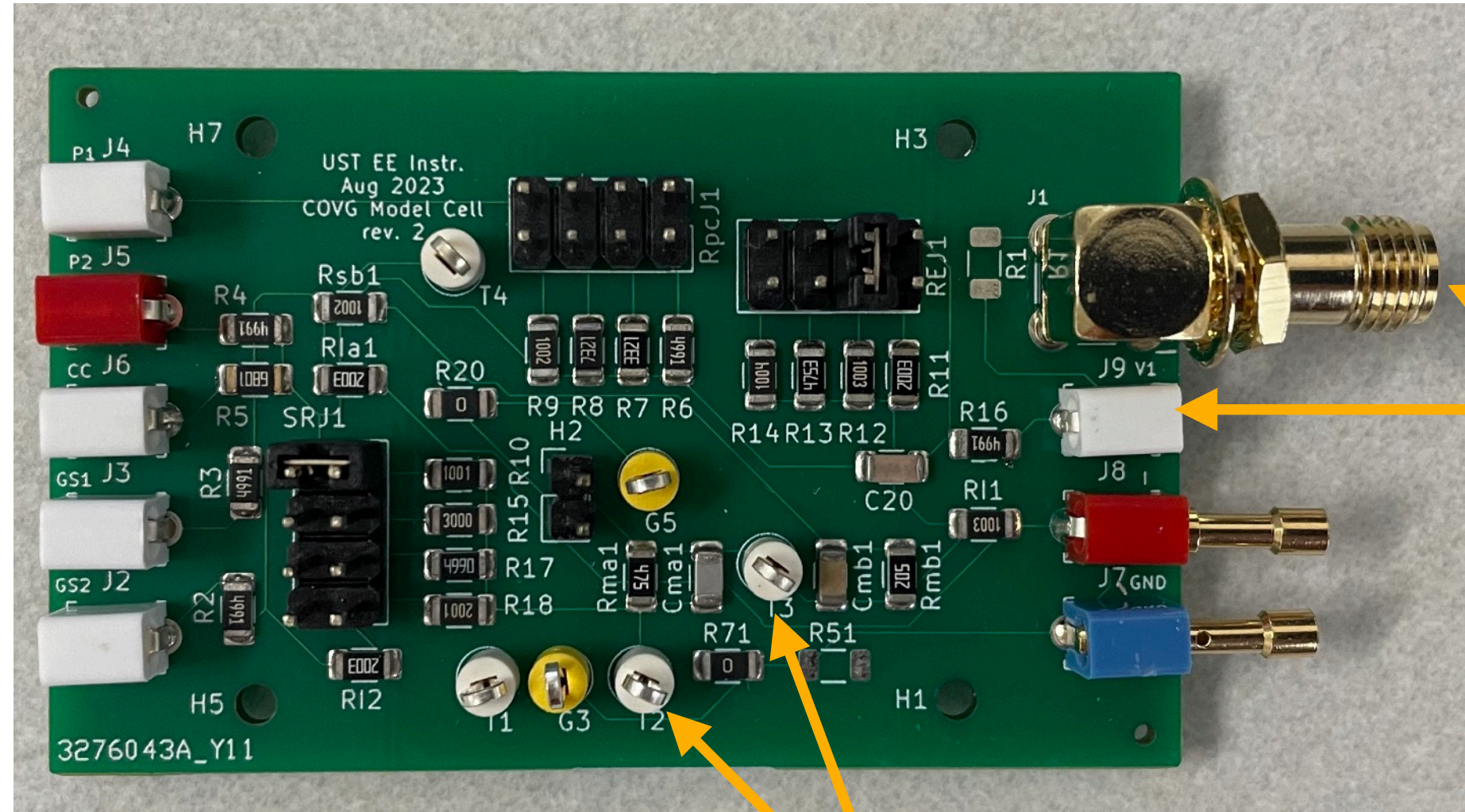


COVG Model Cell (2023/09/26). Includes:

- 1) Bath Electrodes P2,P1
- 2) Membrane voltage micro electrode: V1 - top pool
And current sourcing salt bridge: I
- 3) Capacitive compensation terminal: CC
- 4) Guard bath terminals GS1, GS2

Designed by Lucas Koerner

P1
P2
CC
GS1
GS2



Dagan V1

Dagan I

Vm:
Membrane
voltage

Jumpers:

(Black plastic pieces that connect two pins) have been placed in nominal positions. No need to move at first.

“REJ1” pins allow for changing the resistance of the V1 electrode.

“RpcJ1” pins allow for changing the resistance of the P1 electrode.

“SRJ1” pins allow for changing the series resistance associated with the bath solution.

V1 has two possible connections:

J1 - gold SMA connector
J9 - white V1 connector
(Use only one and pick whichever is more convenient. J1 may enable lower noise measurements if combined with a shielded coaxial cable)

Test points are available for monitoring with an oscilloscope or multimeter.

T2 is the bath side of the membrane
T3 is the intracellular side of the membrane