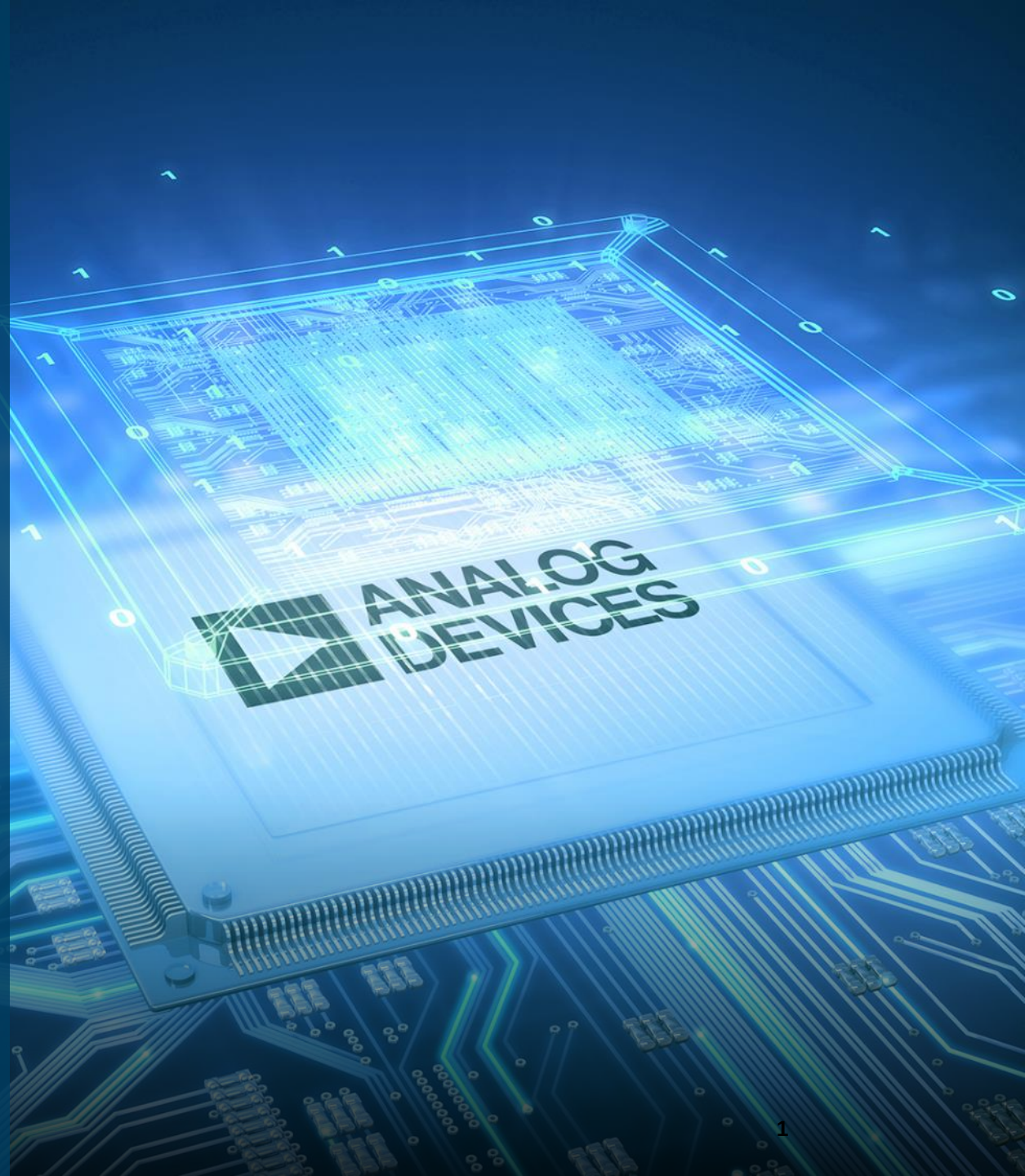
ANALOG DEVICES

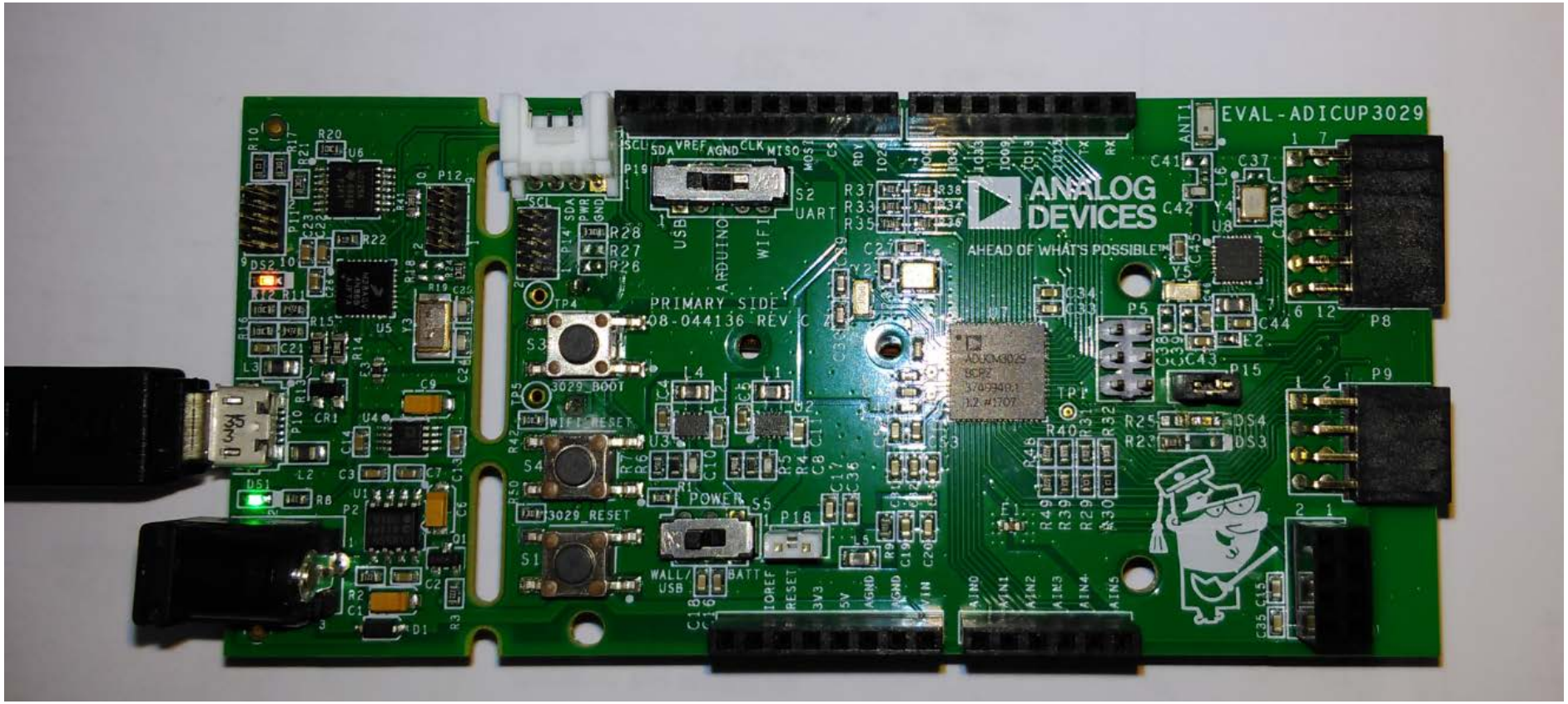
AHEAD OF WHAT'S POSSIBLE™

SensorPal GUI With AD5940 Evaluation Kit



Eval-ADICUP3029

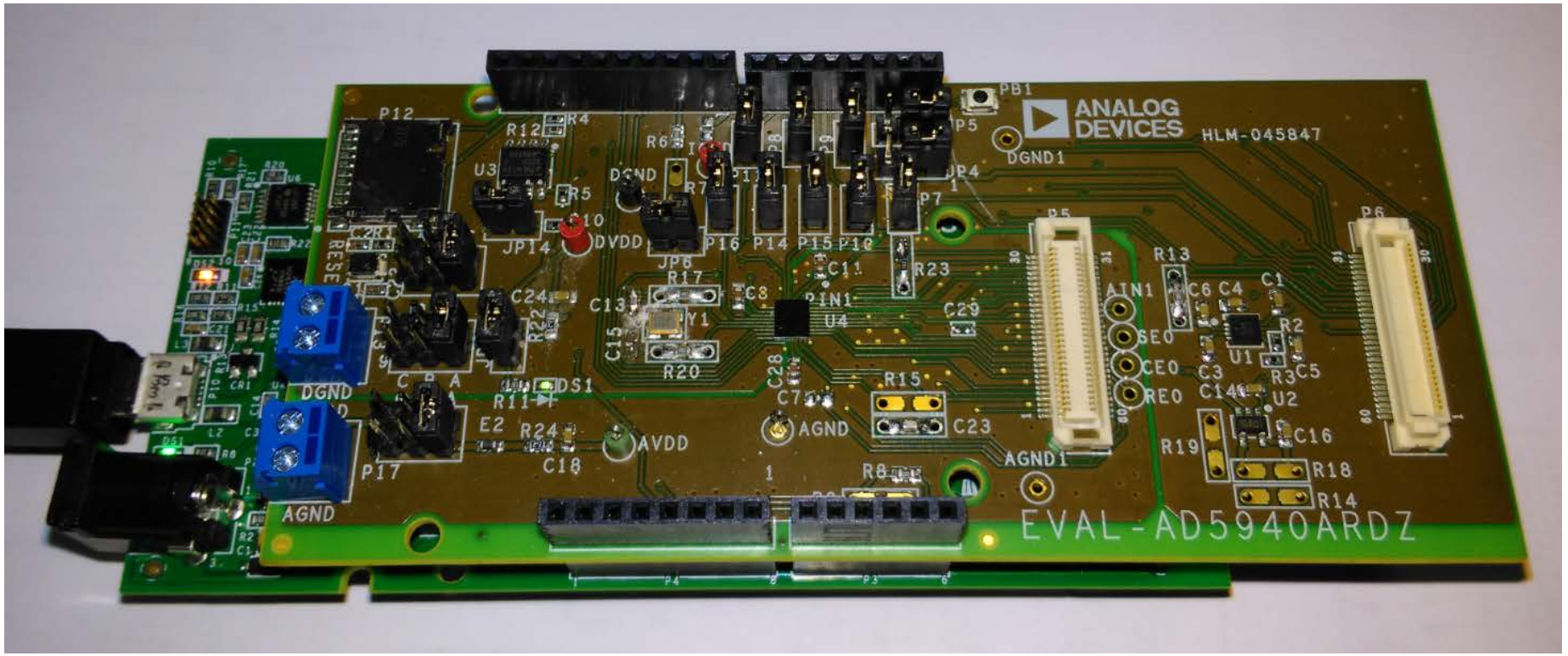
- Jumpers set as shown – default.



ANALOG DEVICES
AHEAD OF WHAT'S POSSIBLE™

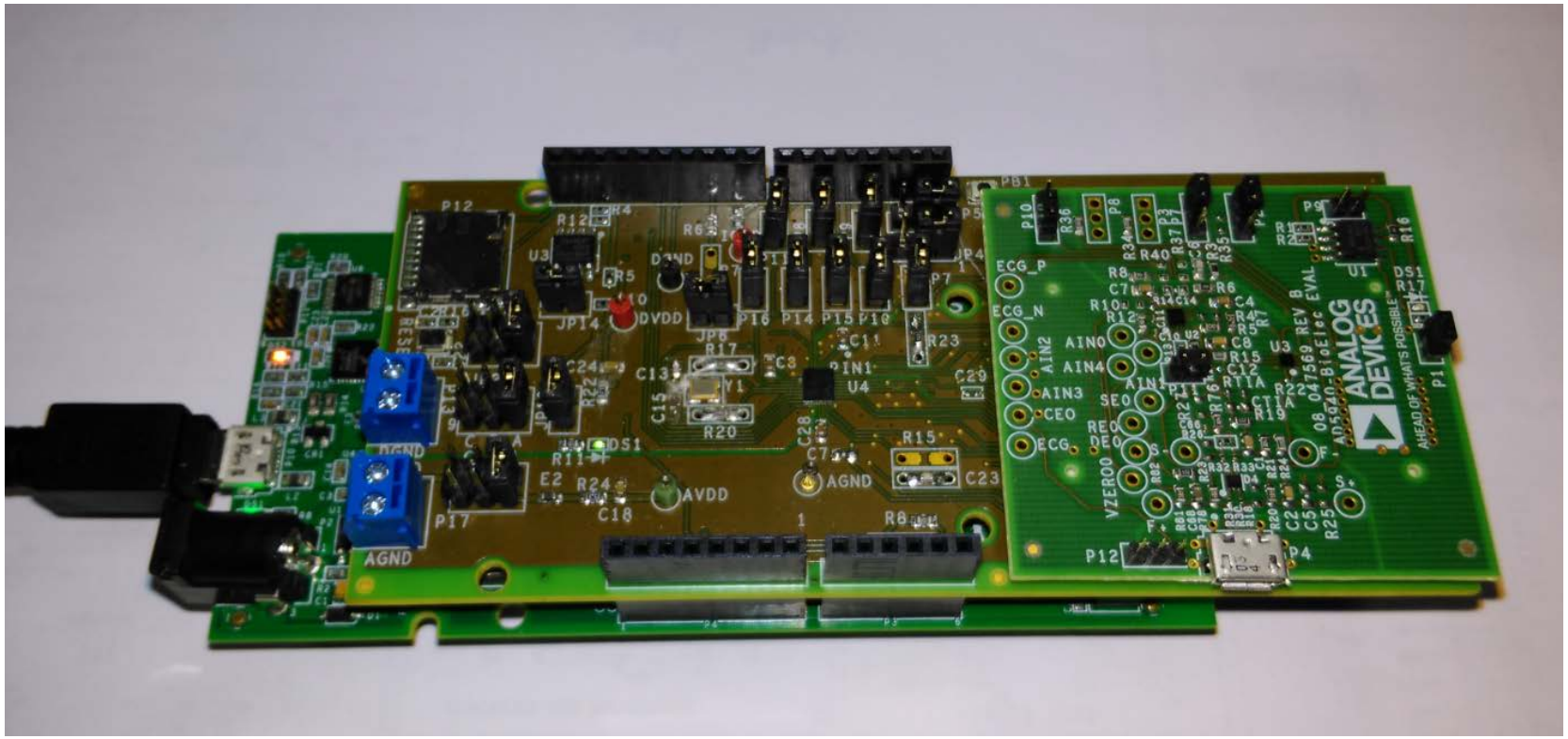
Connect Eval-AD5940ARDZ to Eval-ADICUP3029

- Jumpers set as shown – default.



Connect AD5940 Bio-Elec Board to Eval-AD5940ARDZ

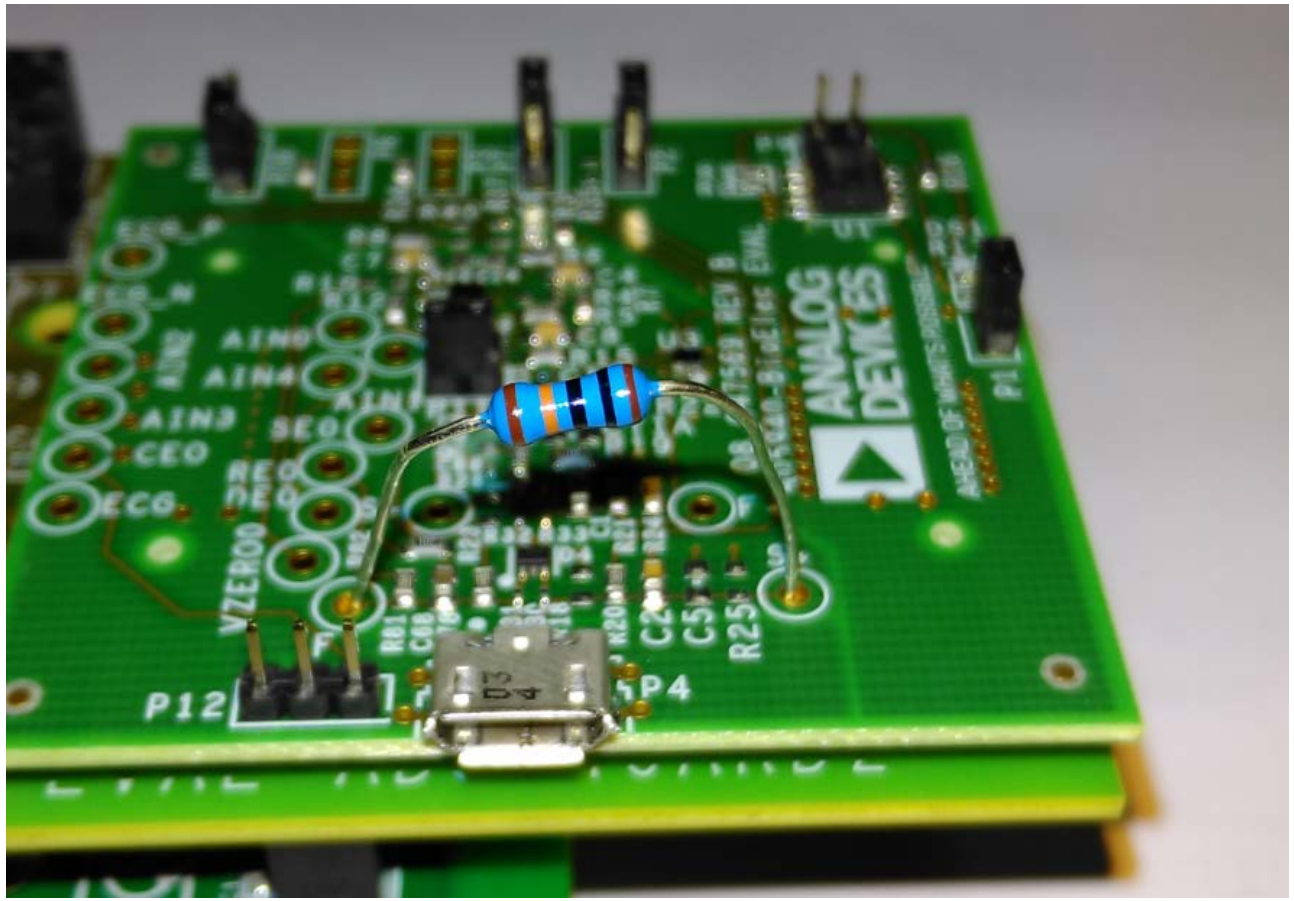
- Jumpers set as shown – default.



EDA Setup Validation

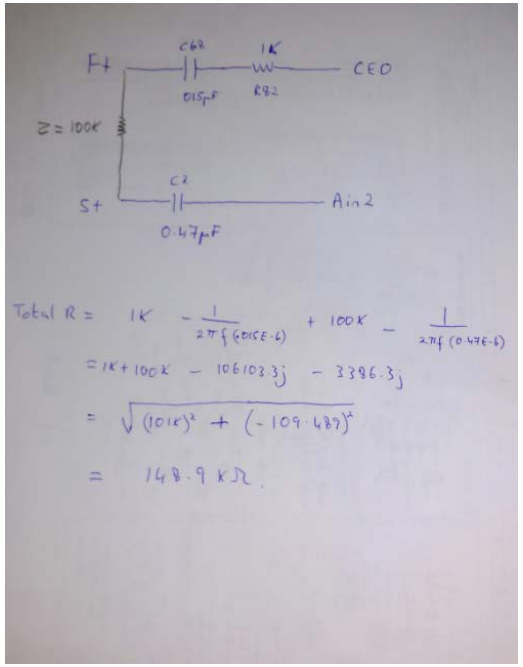
EDA Default Check

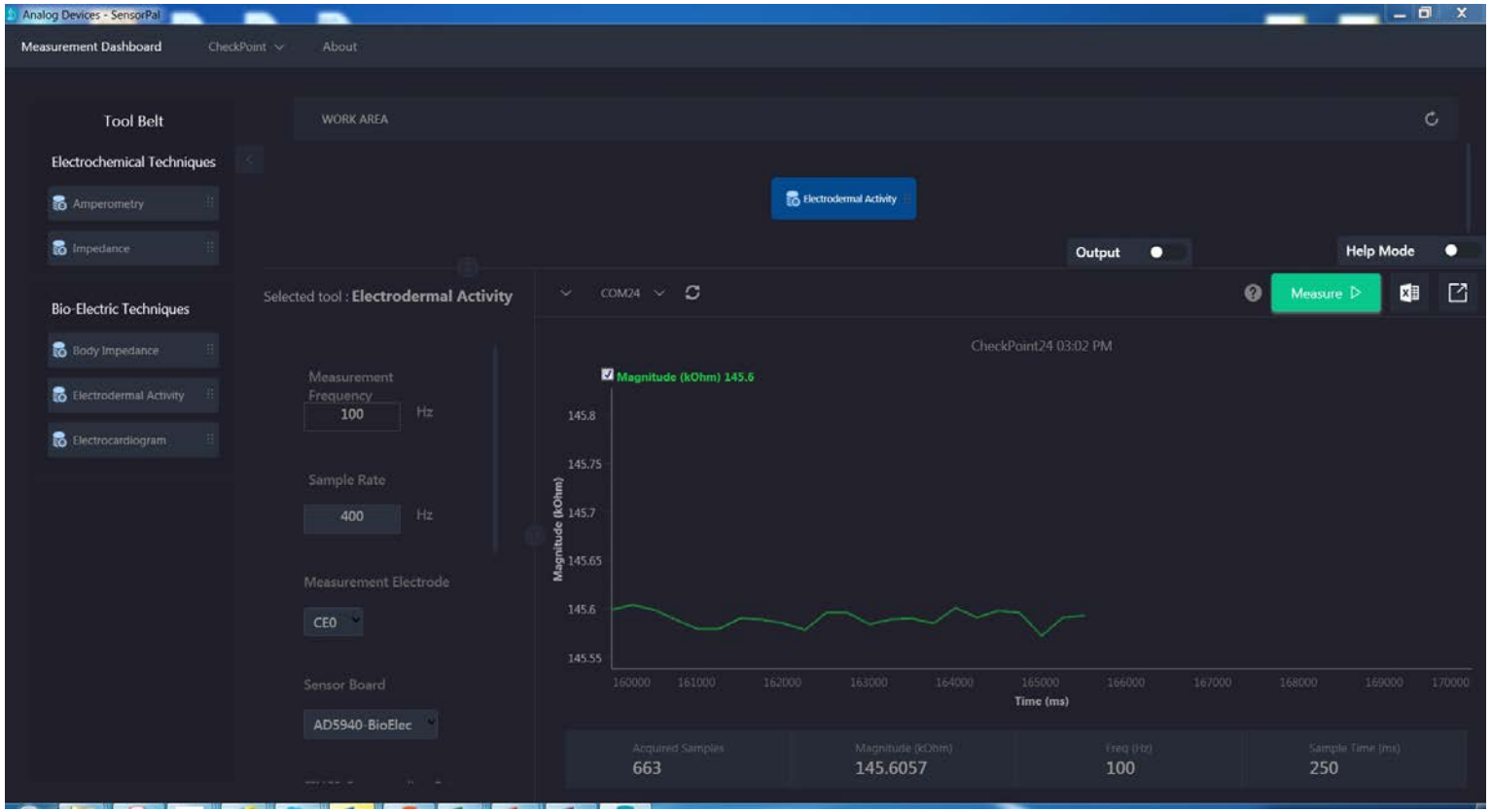
- Insert 100kOhm Resistor between F+ and S+ thru-holes.



SensorPal – EDA Default Setup

- With 100kOhm on BioElectric Board
- Output Magnitude =~ 145kOhms
  - Need to include 2*Ciso + Rlimit
  - See below based on BioElectric board.
  - Note capacitors are 5% accurate so will see error.

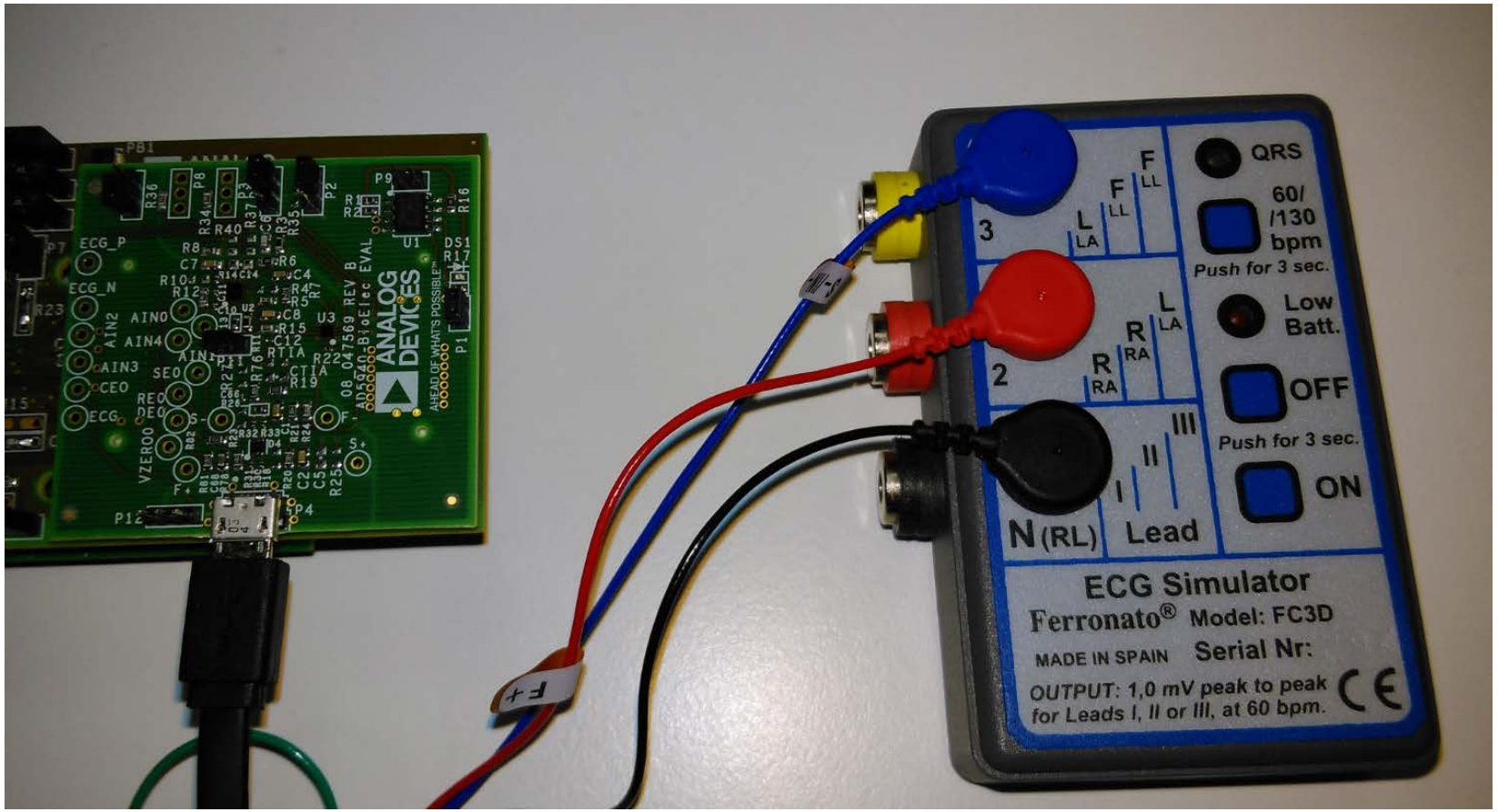




ECG Setup Validation

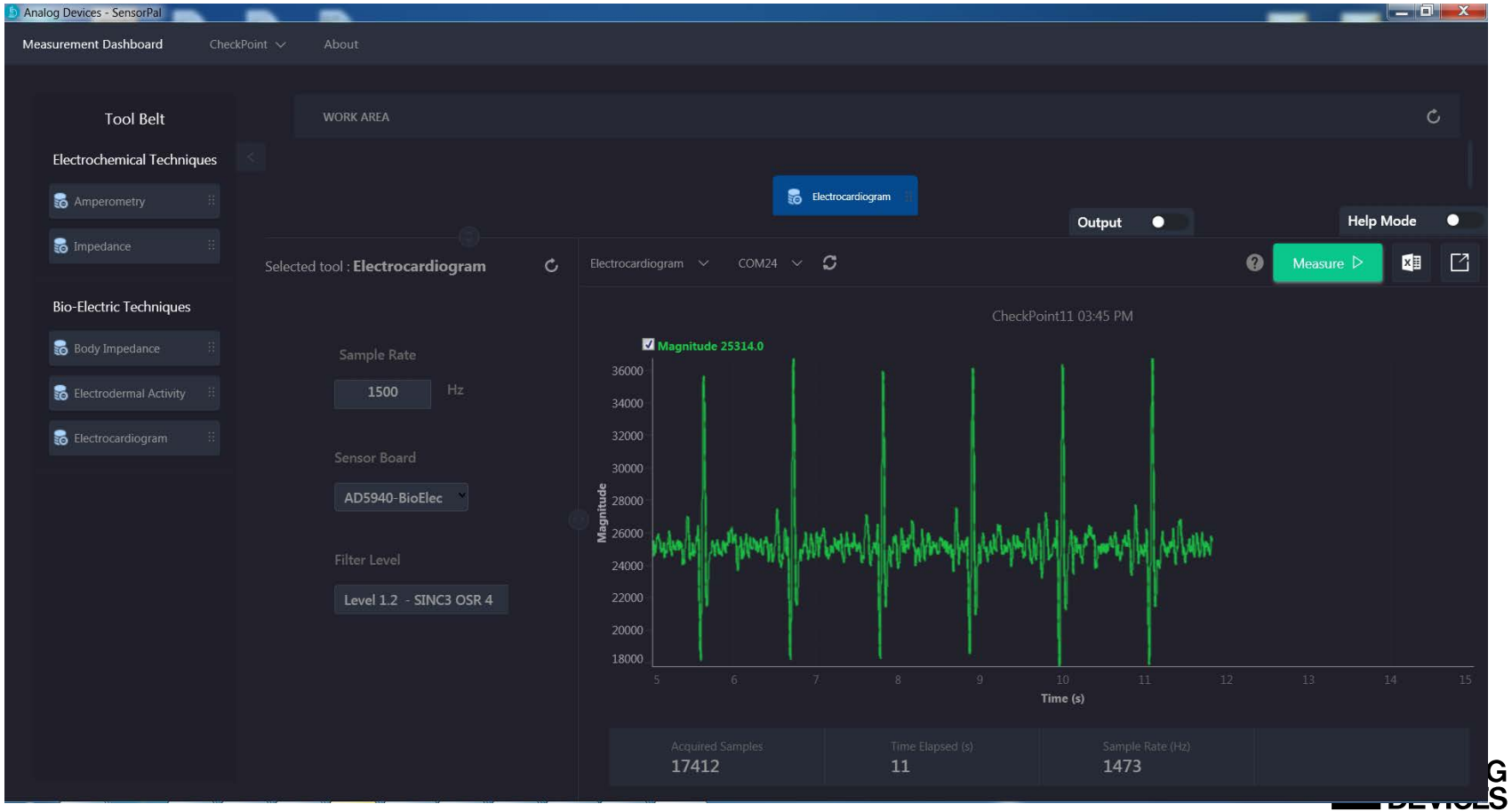
ECG Default Check

- Plug a ECG Simulator Into Bio-Electric board as shown.



SensorPal – Default ECG Setup

- Select ECG from Tool Belt.
- Hit Measure Command with default config.

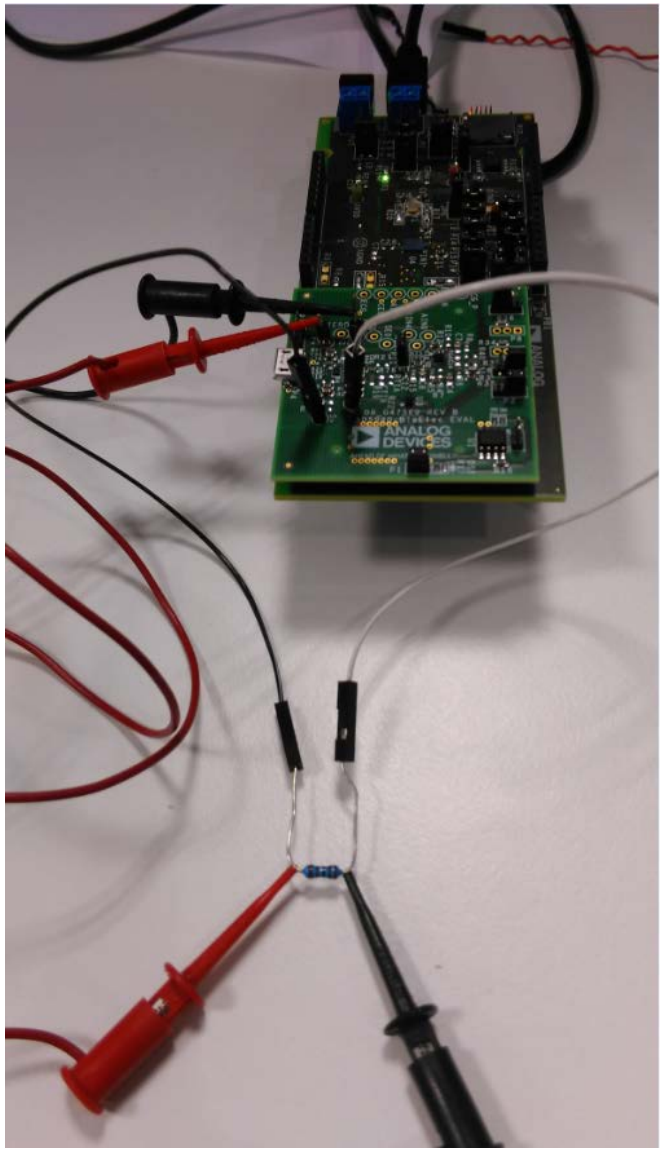


BIA Setup Validation

BIA Default Check

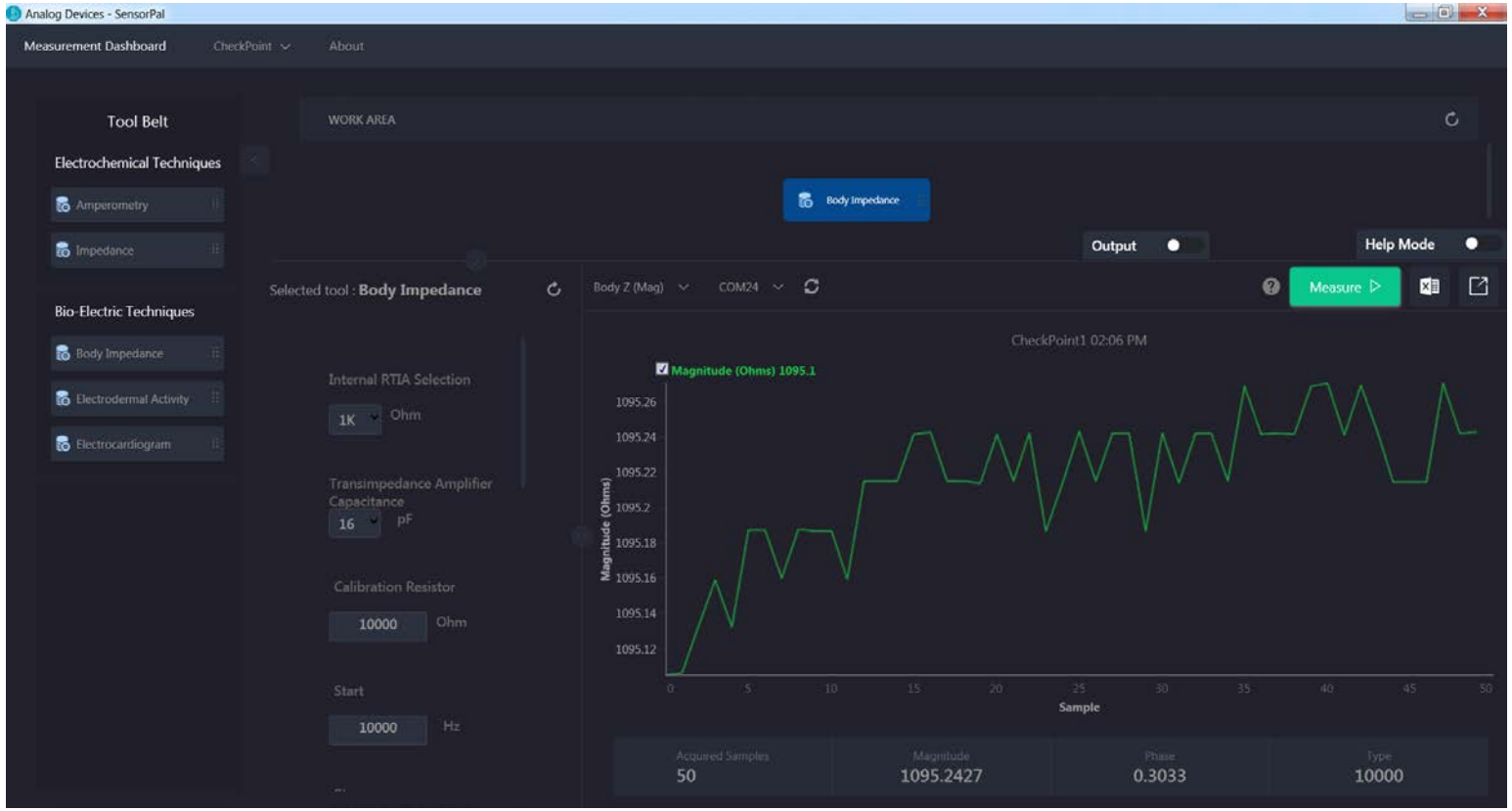
- Connect a 1K resistor between F+/S+ and S-/F-.
  - Sorry – we don’t have cables on board – looking into an adaptor board but not ready yet!

- Resistor in Picture was measured using Keithley Multimeter and measured 1.0935kOhm.



SensorPal – Default BIA Setup

- Select BIA from Tool Belt.
- Hit Measure Command with default config.



ANALOG DEVICES
AHEAD OF WHAT'S POSSIBLE™