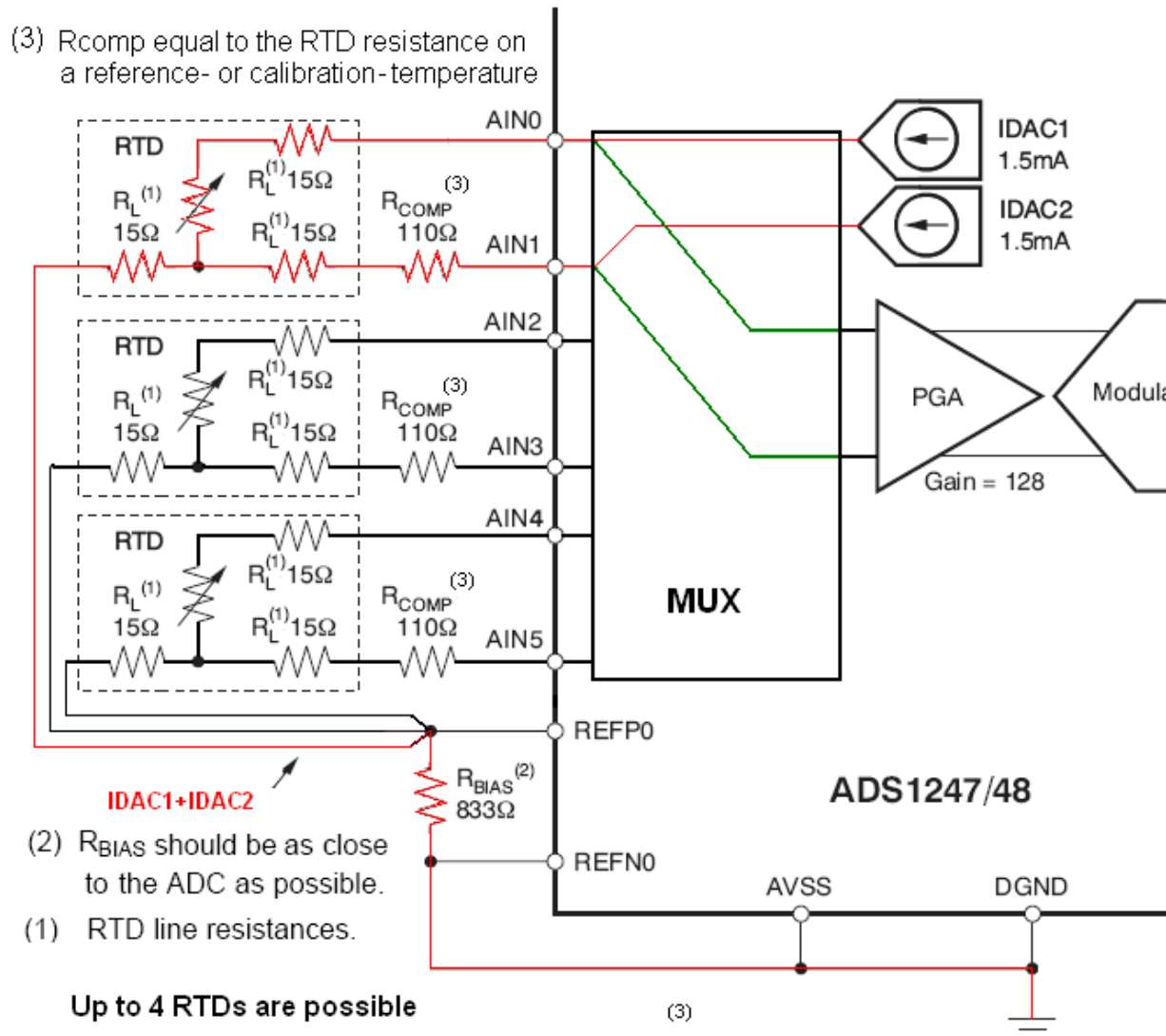


3-Wire RTD with compensation



Advantage:

- IDAC generates the sensor excitation and the reference voltage.
- Noise and drift of the Ref voltage are correlated and therefore canceled.
- Voltage drop across the line resistance are compensated.
- Allows complete utilization of the input range, no offset caused by the RTD itself.

Disadvantage:

- Needs two current sources.
- Only IDAC current mismatch matters.