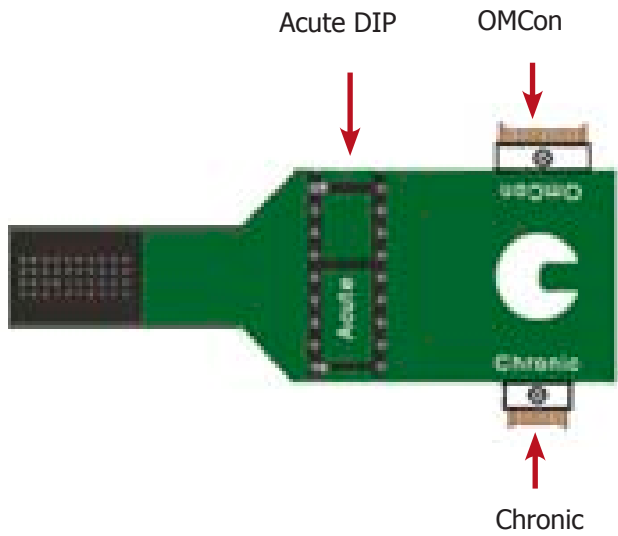


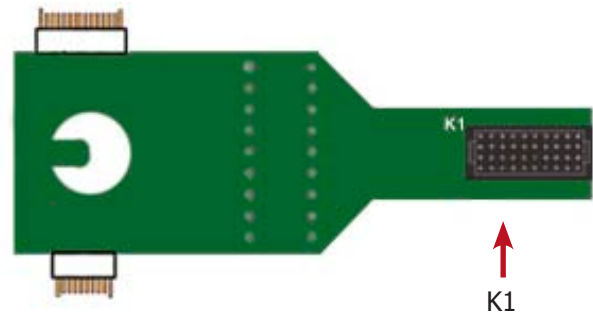
# nanoZ™ to Omnetics and DIP Based Probes

This adapter allows the user to connect an Omnetics or DIP based probe to a nanoZ™ impedance tester. Connectors are labeled on the circuit board for easy identification.

## Top

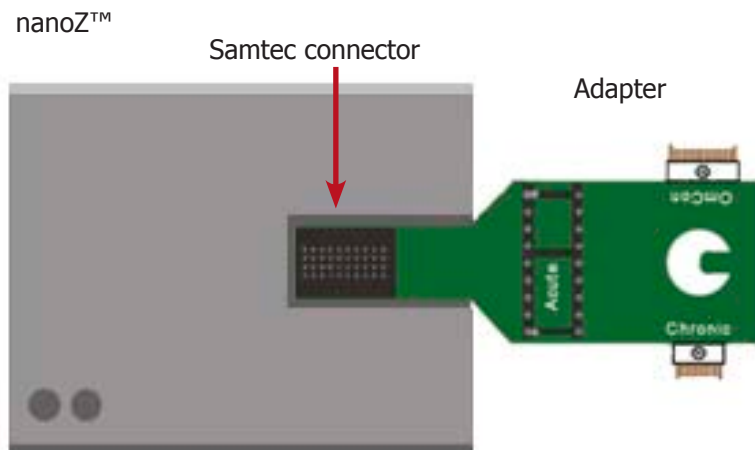


## Bottom



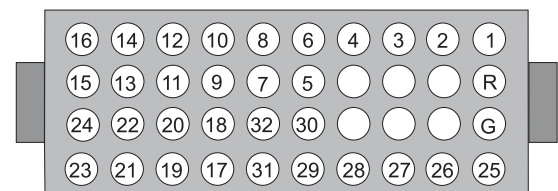
### Connecting the Adapter to the nanoZ™

After configuring the nanoZ™ impedance tester as directed in the nanoZ™ User Manual, connect the adapter to the Samtec connector closest to the center, ensuring it is firmly seated. The adapter should cover both nanoZ™ Samtec connectors [as shown below].



### K1 Pinout

The K1 connector on the bottom of the adapter is used to connect to the nanoZ™.

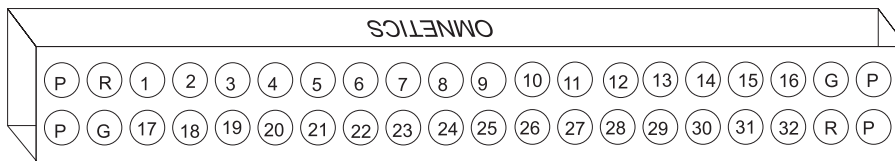


Pinouts are looking into the socket strip and reflect the preamplifier channels.

- Output Connector:** 40-pin Samtec FOLC high density socket strip
- Connects to:** 32-channel Samtec FOLC-based connection
- Use with:** nanoZ™

See reverse for probe connector pinouts.

## OmCon Pinout



Pinouts are looking into the header and reflect the preamplifier channels.

**Input connector:** 36-pin female Omnetics nano dual row header.  
**Connects to:** 32-channel chronic probe.

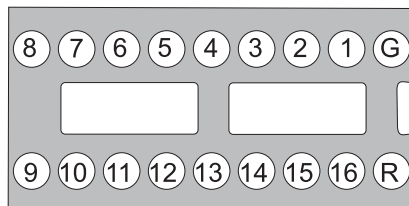
## Chronic Pinout



Pinouts are looking into the header and reflect the preamplifier channels.

**Input connector:** dual row 18-pin female Omnetics nano dual row header  
**Connects to:** 16-channel chronic probe, such as a TDT 16-channel microwire array

## Acute Pinout



Pinouts are looking into the socket strip and reflect the preamplifier channels.

**Input connector:** 0.5 mm female 18-pin DIP socket strip.  
**Connects to:** 16-channel DIP-based probe, such as a 16-channel acute NeuroNexus probe.

**Important!** The corresponding channels from each probe connection are tied together, so that channel 1 of the Chronic header, the OmCon header, and the Acute socket strip are all tied to channel 1 of the K1 to nanoZ™ socket strip.

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