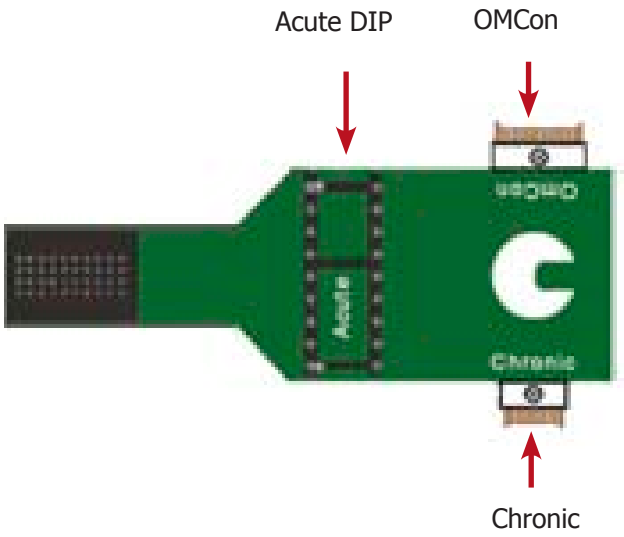
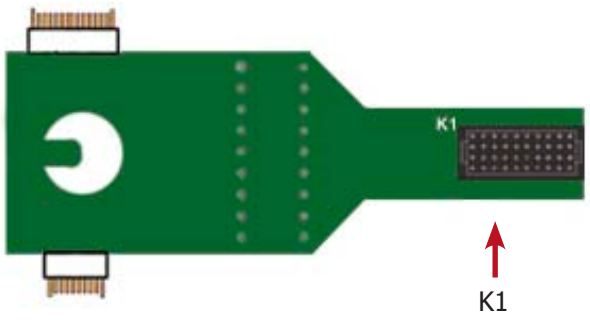
nanoZ™ to Omnetics and DIP Based Probes

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

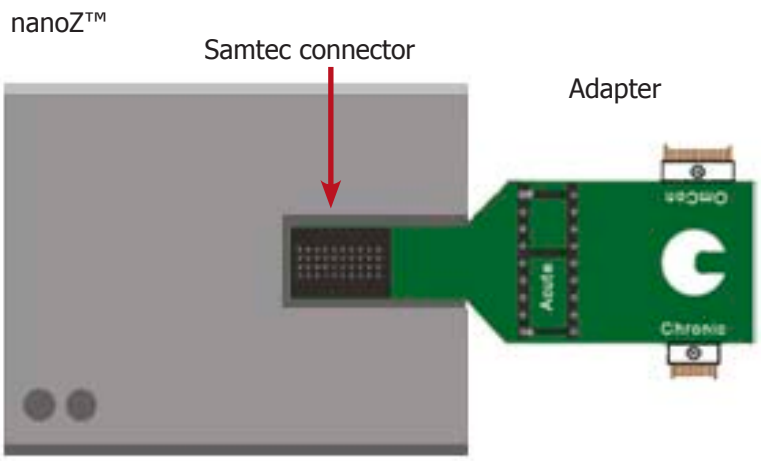


Bottom



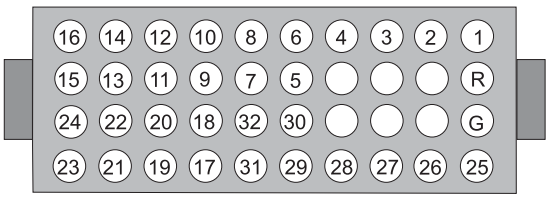
Connecting the Adapter to the nanoZ™

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™.

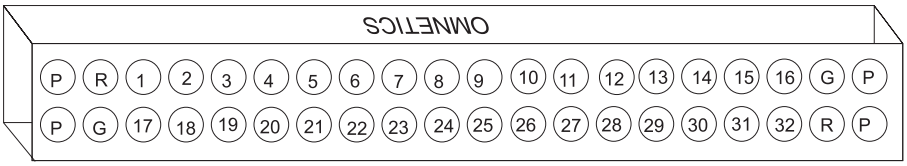


Pinouts are looking into the socket strip and reflect the preamplifier channels.

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.

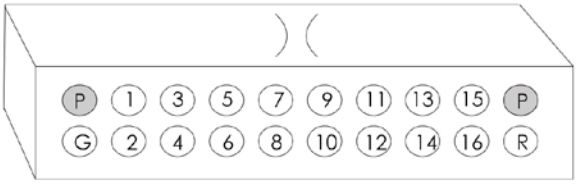
OmCon Pinout



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

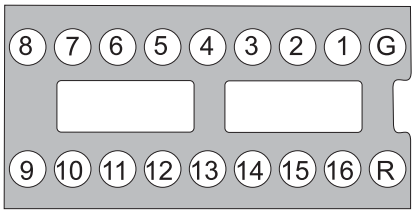


Pinouts are looking into the header and reflect the preamplifier channels.

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

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.

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.

support@tdt.com
www.tdt.com