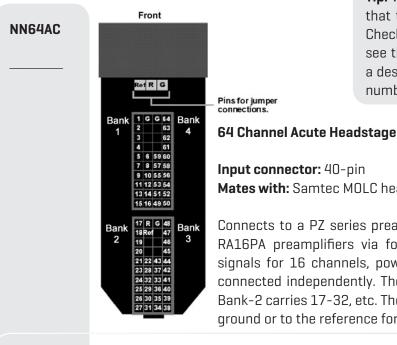
## **Fast Facts** High Impedance Headstages



Use with high impedance micro electrode and microwire electrodes with recommended input impedances from 20 kOhm to 5 Mohm (unless otherwise noted) and connect to the RA4PA or RA16PA preamplifier(s) via the 25 pin connector(s) or to a PZ series preamplifier via mini 26-pin connectors. Note: The numbers on the pinout diagrams refer to the channel connections to the amplifier.

Important!: When using multiple headstages, ensure that a single ground is used for all headstages. This will avoid unnecessary noise contamination in recordings.



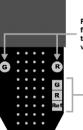
Tip: When using the NeuroNexus probes, keep in mind that there are several versions of each of the probes. Check the NeuroNexus Website for pin diagrams and see the MCMap component in the RPvdsEx Manual for a description and examples on how to re-map channel numbers.

Input connector: 40-pin

Mates with: Samtec MOLC header

Connects to a PZ series preamplifier via four mini 26-pin connectors or to four RA16PA preamplifiers via four DB25 connectors. Each connector carries the signals for 16 channels, power and ground. Therefore, each connector can be connected independently. The connector labeled Bank-1 carries channels 1-16, Bank-2 carries 17-32, etc. The ground channel should either be tied to an external ground or to the reference for a single ended input.

NN32AC



Back

Female connectors to facilitate easy connections to external devices (compatible with 0.5mm diameter male pins).

Pins for jumper connections

## 32 Channel Acute Headstage

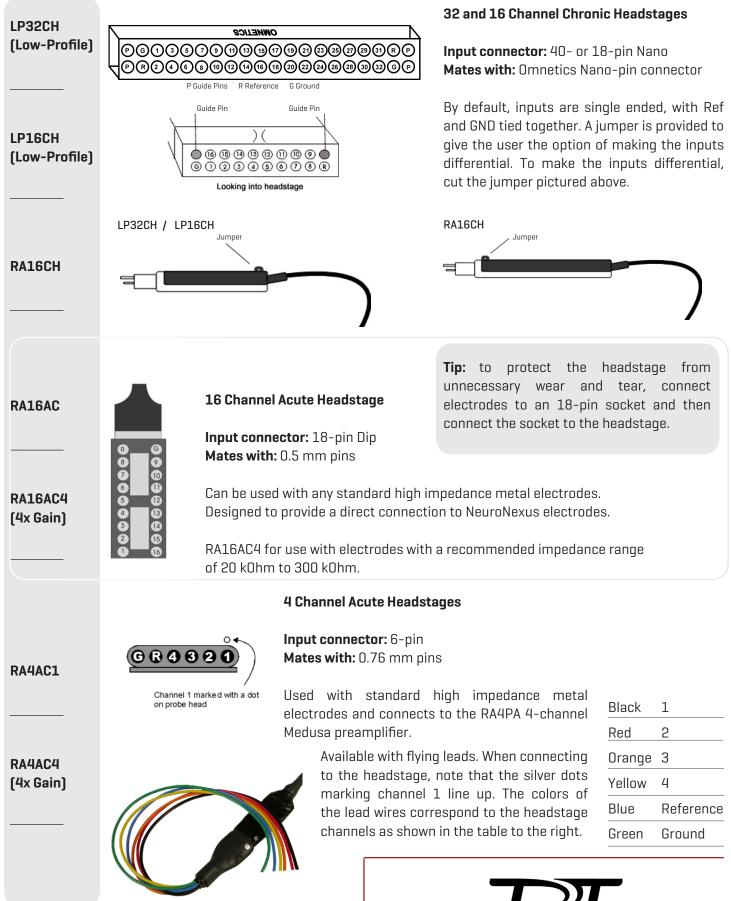
Mates with: Samtec MOLC header

Input connector: 40-pin





Connects to two RA16PA preamplifiers via two 25-pin connectors. Connector A carries the signals for channels 1-16, power and ground. This connector must be connected whether you are acquiring data from one of these channels or not. The ground channel should either be tied to an external device or to the reference for a single ended input.



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