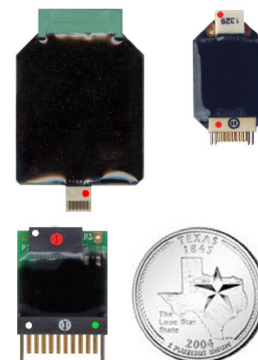


Headstages

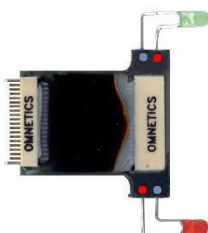
Plexon offers a variety of analog and digital headstages for various acute or chronic research needs that are suitable for both large and small animals. Headstages are available in various pitch, pin, and channel counts. Additionally, several headstages can be modified to include latching mechanisms for a more secure connection, and most can be equipped with sockets for mounting light emitting diodes (LEDs) to track movement.



Light Emitting Diode (LED) Option

Most Plexon headstages can be equipped with mounted LEDs for use in behavioral analysis research with systems such as Plexon's CinePlex® Behavioral Research System. LEDs are available in three colors: blue, green and red. One of each color is provided with the headstage when the LED option is purchased.

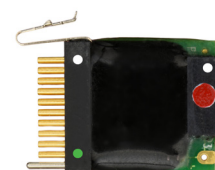
The headstage shown is a 0.025" pitch, 32 channel headstage with two LEDs (HST/32o25-36P-2LED).



Latching Option


More active animals may require an especially secure connection between the electrode implant and the headstage. Headstages with 0.050 pitch input connectors are available with a special clipping (latching) mechanism that delivers this additional security.

The headstage shown is a 0.050" pitch, 8 channel headstage with the latching option (HST/8o50-G1-GR-L).



Technical Specifications



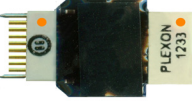


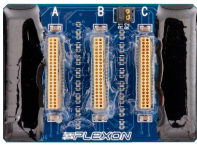
Note that product images below are not to scale relative to either actual size or each other.

Analog 0.050" Pitch Headstages			
Pitch Channels Pins	Headstage Catalog Number*	Gain Dimensions** Weight***	LED Compatibility Latch Compatibility Additional Information
A 0.050" 8 channels 10 pins 2 guide pins	 HST/8o50-Gx-xR	1x or 20x gain inches: 0.96L x 0.64W x 0.077D mm: 24.4L x 16.3W x 1.9D grams: 1.1	LED: Up to 2 Latch: Yes This headstage is also available in stacked 16 and 32 channel configurations. Latch can be attached to either side of the headstage.

*The x in the catalog numbers represent variable options.


**Product dimensions: headstage lengths include the longest pin; the addition of either a latch and/or LEDs can increase the dimensions listed below slightly.


***Product weights: headstage weights may vary ever so slightly due to the hand-crafted nature of the products; the addition of either a latch and/or LEDs can also impact the weights listed below slightly.

Analog 0.025" Pitch Headstages			
Pitch Channels Pins	Headstage Catalog Number*	Gain Dimensions** Weight***	LED Compatibility Latch Compatibility Additional Information
C2 0.025" 8 channels 9 pins 2 guide pins	 HST/8o25-GEN2-9P-G1-xR	1x gain inches: 0.75L x 0.46W x 0.06D mm: 19.1L x 11.7W x 1.5D grams: 0.5	LED: Up to 2 Latch: No
D2 0.025" 8 channels 10 pins 2 guide pins	 HST/8o25-GEN2-10P-G1-xR	1x gain inches: 0.75L x 0.46W x 0.06D mm: 19.1L x 11.7W x 1.5D grams: 0.5	LED: Up to 2 Latch: No
E2a 0.025" 16 channels 18 pins 2 guide pins	 HST/16o25-GEN2-18P-2GP-G1	1x gain inches: 0.74L x 0.46W x 0.09D mm: 18.8L x 11.7W x 2.3D grams: 0.6	LED: Up to 2 Latch: No
E2b 0.025" 16 channels 18 pins 6 guide pins	 HST/16o25-GEN2-18P-6GP-G1	1x gain inches: 0.74L x 0.46W x 0.09D mm: 18.8L x 11.7W x 2.3D grams: 0.6	LED: Up to 2 Latch: No
F3 0.025" 32 channels 36 pins 4 guide pins	 HST/32o25-GEN3-36P-G1	1x gain inches: 0.85L x 0.56W x 0.10D mm: 21.5L x 14.3W x 2.5D grams: 1.0	LED: Up to 2 Latch: No
M 0.025" 96 channels 108 pins No guide pins	 HST/CereStage 96	1x gain inches: 1.1L x 1.55W x 0.43D mm: 27.9L x 39.4W x 10.9D grams: 8.1	LED: No Latch: No For use with a Utah Array with an ICS style connector.

Analog VLSI 0.025" Pitch Headstages			
Pitch Channels Pins	Headstage Catalog Number*	Gain Dimensions** Weight***	LED Compatibility Latch Compatibility Additional Information
H2 0.025" 16 channels 18 pins 6 guide pins	 HST/16V-G20 LN	20x gain inches: 0.74L x 0.40W x 0.12D mm: 18.8L x 10.2W x 3.0D grams: 0.7	LED: Up to 2 Latch: No
J2 0.025" 32 channels 36 pins 4 guide pins	 HST/32V-G20 LN	20x gain inches: 0.82L x 0.63W x 0.12D mm: 20.8L x 16.0W x 3.0D grams: 1.2	LED: Up to 2 Latch: No
J3 0.025" 32 channels 36 pins 4 guide pins	 HST/32V-G20 LN 5V	20x gain inches: 0.88L x 0.66W x 0.12D mm: 22.4L x 15.7W x 3.0D grams: 1.3	LED: Up to 2 Latch: No

Analog Biopotential Headstages			
Pitch Channels Pins	Headstage Catalog Number*	Gain Dimensions** Weight***	LED Compatibility Latch Compatibility Additional Information
N 0.049" 8 channels 20 pins No guide pins	 HST/8-BIOP-PNS	50x gain inches: 1.40L x 0.91W x 0.20D mm: 35.5L x 23.1W x 5.0D grams: 3.6	LED: No Latch: No Headstage for peripheral nerve recording.
P 0.049" 8 channels 20 pins No guide pins	 HST/8-BIOP-EDIF	10x gain inches: 1.40L x 0.91W x 0.20D mm: 35.5L x 23.1W x 5.0D grams: 3.6	LED: No Latch: No Headstage for EMG, EEG or EKG recording.

Digital 0.050" Pitch Headstages			
Pitch Channels Pins	Headstage Catalog Number*	Gain Dimensions** Weight***	LED Compatibility Latch Compatibility Additional Information
L 0.050" 8 channels 10 pins 2 guide pins	 HST/8o50D Gen2	N/A gain inches: 1.08L x 0.62W x 0.09D mm: 27.4L x 15.8W x 2.3D grams: 1.2	LED: Up to 3 Latch: Yes This headstage is also available in a 16 channel configuration.

Digital 0.025" Pitch Headstages			
Pitch Channels Pins	Headstage Catalog Number*	Gain Dimensions** Weight***	LED Compatibility Latch Compatibility Additional Information
Q2 0.025" 16 channels 18 pins 6 guide pins	 HST/16D Gen2	N/A gain inches: 1.00L x 0.51W x 0.10D mm: 25.4L x 13.0W x 2.5D grams: 1.0	LED: Up to 3 Latch: No
R 0.025" 32 channels 36 pins 4 guide pins	 HST/32D	N/A gain inches: 0.97L x 0.52W x 0.10D mm: 24.6L x 13.2W x 2.5D grams: 1.1	LED: Up to 3 Latch: No
S 0.025" 64 channels 72 pins 8 guide pins	 HST/64D-xR	N/A gain inches: 1.02L x 0.55W x 0.18D mm: 25.9L x 14.0W x 4.6D grams: 1.8	LED: Up to 3 Latch: No
T 0.025" 16 channels 36 pins 4 guide pins	 HST/16D Gen2 DIFF	N/A gain inches: 0.97L x 0.52W x 0.10D mm: 24.6L x 13.2W x 2.5D grams: 1.1	LED: Up to 3 Latch: No