

# The human hand is capable of sensing temperature changes within 2°C



## Our temperature sensors have a resolution up to 0.125°C

Good thermal management can mean the difference between a successful and a failing design. When thermal monitoring of hardware and electrical components is critical, the Philips Semiconductors' line of temperature sensors is the clear choice. The NE1617A, NE1618 and NE1619 are capable of measuring both internal and remote

temperatures, and are designed specifically for desktop and notebook computers, smart battery packs, industrial controllers and telecom equipment. For more information log on at [www.semiconductors.philips.com/analog](http://www.semiconductors.philips.com/analog) or call 1 800 447-1500 x 2200 for North America or 1 512 434-1580 x 2200 outside North America.



Philips sensors operate at a temp range of 0 to +120°C

Features	NE1617A	NE1618	NE1619
Temperature Resolution	1°C	1°C or 0.125°C <sup>1</sup>	1°C
Accuracy Local (On-Board) Sensor	±2°C	±2°C	±2°C
Accuracy Remote Sensor	±3°C	±3.0°C or ±1°C <sup>1</sup>	±3°C
Supply Range	3 V to 5.5 V	3 V to 5.5 V	2.8 V to 5.5 V
Supply Current Operation Mode	70 µA	80 µA	250 µA
Supply Current Standby Mode	3 µA	3 µA	100 µA
Packaging	16 lead SSOP	16 lead SSOP	16 lead SSOP

<sup>1</sup> Extended Mode of Operation.

## Temperature Sensors from Philips Semiconductors.

We manage the temperature, so you won't have to take the heat.

*Let's make things better.*



**PHILIPS**