

Temp Sensor Digital Serial (2-Wire, I2C, SMBus) Automotive 8-Pin TSSOP T/R

| | |
|---------------|-----------------------------------|
| Manufacturers | NXP Semiconductor |
| Package/Case | |
| Product Type | Sensors, Transducers |
| RoHS | |
| Lifecycle | |



Images are for reference only

Please submit RFQ for PCT2075DP,118 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

PCT2075DP,118 is a digital temperature sensor IC (Integrated Circuit) manufactured by NXP Semiconductors. It is a small, low-cost, and accurate temperature sensor that operates over a wide temperature range.

Features

High accuracy: $\pm 1^{\circ}\text{C}$ maximum over the -25°C to $+100^{\circ}\text{C}$ range.

Low power consumption: 1.5 μA in shutdown mode, 1.5 mA in normal operation.

Wide temperature range: -55°C to $+125^{\circ}\text{C}$.

Digital output: I2C (Inter-Integrated Circuit) bus interface.

Programmable resolution: 9 to 12 bits.

Small package: 8-pin SO (Small Outline) package.

Application

Environmental control systems in industrial, medical, and automotive applications.

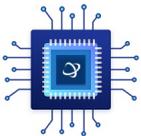
Personal computers, servers, and other electronics to monitor temperature and prevent overheating.

Battery pack temperature monitoring in portable devices like smartphones and tablets.

Temperature measurement in household appliances and white goods.



Related Products



[PCT2075D](#)

NXP Semiconductor



[PCT2075TP](#)

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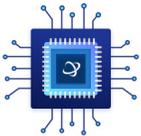
[PCT2202UKZ](#)

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WLCSP-6



[PCT2075GV/P110X](#)

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[PCT2075GV/N005X](#)

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