

Sensor processor uses 8051 core

The SSP1492 sensor signal processor provides a low cost, low power, flexible sensor signal drive, acquisition, and processing interface to a broad selection of sensor-element types. The monolithic IC uses a high-speed pipelined 8051 microcontroller core and provides up to 15 sensor input channels.



Available in 4.3 x 4.3-mm bare die and a variety of surface-mount packages, the chip includes two hardware math engines, a software floating-point engine for high-order output linearization and temperature compensation, a band-gap reference, an SPI/I²C serial interface, an RC oscillator, and an EEPROM for factory calibration coefficients and user settings. An evaluation kit is available. (From \$3.65 ea/1,000—available now.)

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