

## For Immediate Release

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## **Mouser Electronics Now Stocking Industry's First Eight-Channel, Digital-Input Serializer from TI**

***Simplify Design and Reduce Board Space Up to 60 Percent  
in a Broad Range of Industrial Applications***

**Mansfield, Texas, USA –September 11, 2008 –** [Mouser Electronics, Inc.](http://www.mouser.com), known for its rapid introduction of the newest products, today announced it is stocking the industry's most highly integrated digital-input serializer from [Texas Instruments Inc. \(TI\)](http://www.ti.com).

"Our engineering customers have come to expect Mouser to have the newest products in stock and ready for their next generation designs," said Mike Scott, Mouser Vice President of Active Products. "The SN65HVS882 digital-input serializer is just one of the new TI products we have in stock and available for purchase."

The [SN65HVS882](http://www.ti.com) highly integrated digital-input serializer incorporates eight channels and flexible features to provide high-density signal conditioning in a single, compact device. The new serializer converts eight digital inputs, ranging from 0V to 34V, into a single data stream on SPI interface, which simplifies the design and saves up to 60% board space for industrial automation and test measurement equipment.

Several SN65HVS822 eight-channel serializers can be cascaded through an integrated SPI port, reducing both the isolation channels and controller pins required for high channel-count input modules. In addition, the internal programmable de-bounce feature filters out spurious pulses up to 3ms on noisy switch inputs, eliminating the need for external components or software.

An adjustable input current limit allows the use of a single resistor to set the maximum input current in the range of 200uA to 5uA, reducing system-level power dissipation by more than 50% in typical industrial applications. The new serializer operates over a wide temperature range of -40°C to +125°C and provides individual outputs that can be connected to LEDs, allowing the designer to easily observe the input status.

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### **About Mouser**

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