

# Press Release

## PAUSB42 DPDT Analog Switch in LoPro<sup>®</sup> 10 Lead TQFN Package



Chandler, Ariz. February 2009

ProTek Devices, Analog Product Division introduces the ultra small PAUSB42. In a 1.3 x 1.6 x 0.55mm 10 Lead LGA package

The PAUSB42 is a bidirectional two-port Hi-speed USB2.0 switch.

Configured as a double-pole double throw (DPDT) switch, it is optimized for switching between two 480Mbps sources or a Hi-speed and Full-speed 12Mbps source.

The bandwidth of 1GHz allows passing of the 3<sup>rd</sup> Harmonic, resulting in minimal edge and phase distortion.

Superior channel to channel crosstalk minimizes interference

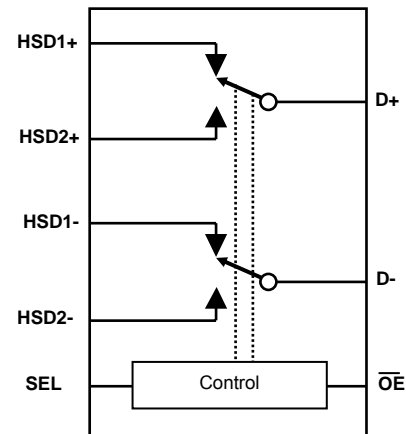
Sample quantities are available upon request. Pricing is \$1.13 each in quantities of 3,000 pieces. SPICE model and parameters are available for circuit simulation on request.

### Features

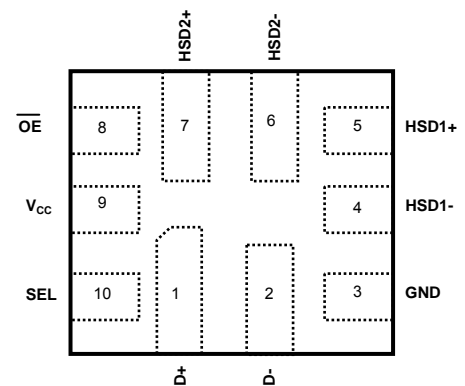
- Low On-Resistance: 7.0Ω typical.
- V<sub>CC</sub> Range: 2.7V to 4.2V ±10%
- Switching Speed 20nS
- Break-Before-Make Switching
- Extended Industrial Temperature Range: -40°C to 85°C
- LoPro<sup>™</sup> Packaging (Pb-free): 10-Lead Micro Package
- Bandwidth > 1GHz @ -3dB rolloff.
- Compatible with 1.8V systems.
- Power off protection.

### Applications

- Hand Held Devices
- Cell Phones
- PDA's
- Notebooks
- LCD Monitors
- Set Top Box
- USB2.0 Applications



Functional Diagram



Top View

### ORDERING INFORMATION

Temperature Range	Package	Part Number
-40 to 85 °C	10 Lead LoPro	PAUSB42-T7

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## About ProTek Devices

ProTek Devices, Analog Product Division based in Chandler, Ariz., provides advanced Analog and transient voltage suppression (TVS) for Voice, Video and Data (V2D). With more than 25 years of engineering and manufacturing experience, ProTek provides Analog and TVS solutions which function effectively with the latest high-speed communication and networking products.

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