**ANALOG TEST ENGINES**

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**PE230 – Quad Channel, 9V, 800 Mb/s, Pin Electronics**

**Pin Electronics – Driver**
- 800 Mb/s Fmax
- 3 Level Driver
- -2.0V to +7.0V Output Range
- Programmable Slew Rate (0.1 V/ns to 1.8 V/ns)

**Pin Electronics – Comparator**
- 800 Mb/s Fmax
- Dual comparators w/ on-chip thresholds
- Differential comparator
- -2V to +7V Input Range
- High Frequency Prescalar
- Adjustable Comparator Output Swings

**Deskew**
- Fine Delay
  - Adjustable span from 1 ns to 10 ns
  - Resolution from 1 ps to 10 ps
- Pulse Width Adjust (±512 ps / 4 ps Res)

**Active Load**
- 24 mA Imax
- Split Load
- Independent Source and Sink Currents

**2 Pin Serial Port**

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**FPGA Real Time Interface**
- Differential CML Inputs / 1.8V CMOS
- Asynchronous (1:1 or 1:4 Fanout)
- Single-Ended CMOS Outputs

**PMU**
- FV / FI / MV / MI Capability
- -2.0V to +7V Voltage Range
- 5 Current Ranges (50 mA to 5 µA)
- Programmable Voltage / Current Clamps
- DUT Ground Continuity Checker

**Measurement Capability**
- MV / MI Capability
- External Force / Sense Switches
- Monitor (with an External ADC)
- ±2.5V ADC Interface Option

**Built In Self Protection**
- Over Temperature Alarm
- Current / Voltage Clamp Alarm

**Package / Power**
- 10 mm X 10 mm QFN, RoHS Compliant
- Exposed heat slug on bottom
- 72 Lead, 0.5 mm lead pitch
- 250 mW to 1W / Channel (Pdq)