**ANALOG TEST ENGINES**

**UTP40 – Quad, 9V, 1A Universal Test Pin**

**DPS / PMU**
- FV / FI / MV / MI Capability
- -2.0V to +7V Force Voltage Range
- 6 Current Ranges
  (5 µA to 500 mA) to (20 µA to 2A)
- Programmable Voltage / Current Clamps
- Slew Rate Adjust (0.1V / µs to 5V / µs)
- Ganging Capability
- Force and Sense Guards

**Measurement Capability**
- MV / MI Capability
- External Force / Sense Switches
- Analog Monitor
- ±2.5V; 0V to +2.5V ADC Interface Options
- 5 Independent Integrated 16-Bit ADCs

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

**FPGA Real Time Interface**
- 1.2V to 1.8V CMOS I/O Compatible

**Power Amplifier Controller Mode**
- Voltage Scaling
- Current Scaling

**Pin Electronics – 1A Driver or 50Ω Driver**
- 50 Mb/s Fmax / 4 Level Driver
- -1.5V to +7.0V Output Range
- Slew Rate Adjust (0.05 to 0.25 V/ns)

**Pin Electronics – Comparator**
- 100 Mb/s Fmax
- Two Sets of Dual comparators
- -2V to +7V Input Range

**Serial Port Control**
- 2 Pin Serial Port

**Package / Power**
- 10 mm X 10 mm QFN, w/ Slug Down
- 72 Lead, 0.5 mm lead pitch
- 750 mW / Channel (Pdq)