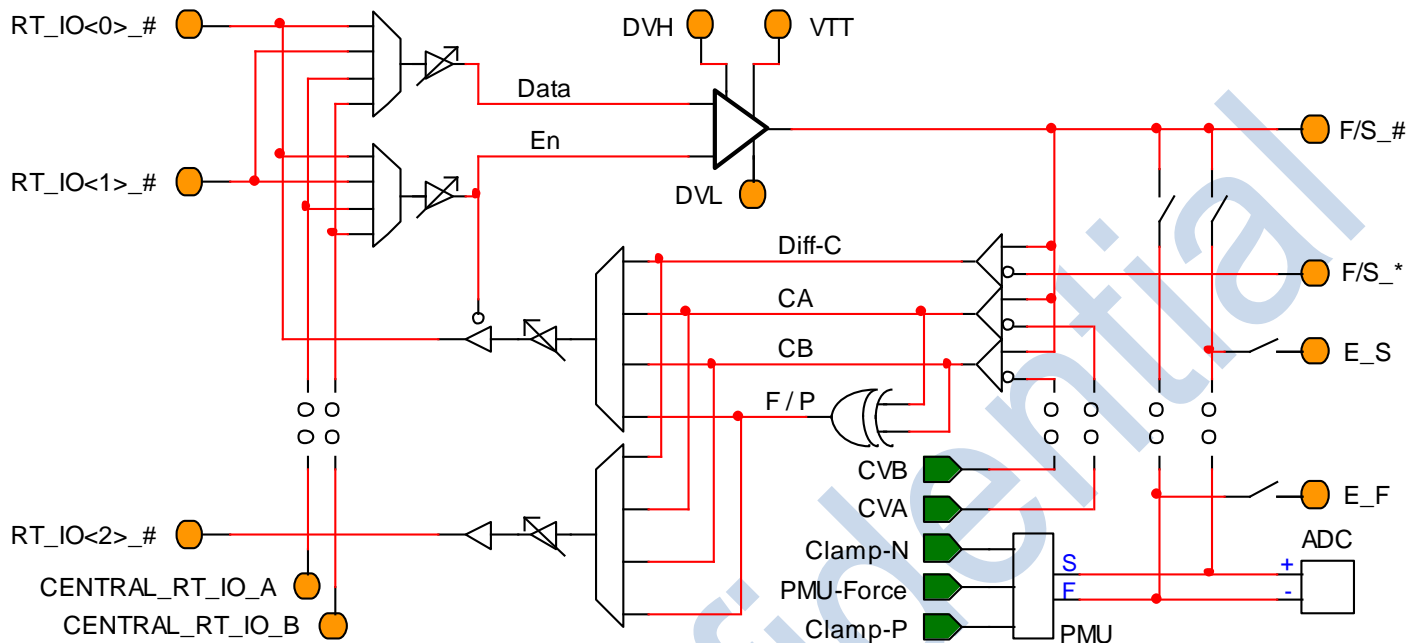


ANALOG TEST ENGINES



PE73 – 8 Channel, 6V, 1 Gb/s Burn-In Pin Electronics

Pin Electronics – Driver

- 4Ω / 50Ω Selectable Output Impedance
- -1V to +5V Output Range
- 250 Mb/s
- 2-Level / 3-Level Driver
- 2 Independent DVH Levels per Channel
- 1KΩ Pull-Up / Pull-Down Option

Pin Electronics – Comparator

- -2V to +5V Input Range
- 250 Mb/s Fmax
- Dual Comparators per Channel
- Differential Comparators per Channel Pair
- Integrated Programmable Thresholds
- Pass / Fail Mode

Deskew

- Coarse Delay (5 ns range, 40 ps res)
- Pulse Width Adjust (± 256 ps / 4 ps Res)

Built-In Self Protection

- F/S_# Continuity Checker
- DUT Ground Continuity Checker
- Over Temperature Alarm

FPGA Real Time Interface

- 1, 2 or 3 FPGA Pins / Channel
- 2 Central FPGA Pins / Chip
- Single-Ended CMOS I/O
- Selectable On-Chip Terminations
- Technology Independent (Adjustable) I/O

PMU

- 1 PMU / Chip
- -1.0 to +5.0V Measure Range
- -0.75 to +5.0V Force Range
- 5 Current Ranges (4 μ A to 40 mA)
- FV / FI / MV / MI
- Voltage / Current Clamps

Measurement System

- Integrated 16-Bit ADC
- Integrated Force & Sense Switches

Package / Power

- 10 mm X 10 mm QFN, Lead Free
- Exposed heat slug on bottom
- 72 Lead, 0.5 mm lead pitch
- 75 to 175 mW / Channel (Pd_q)