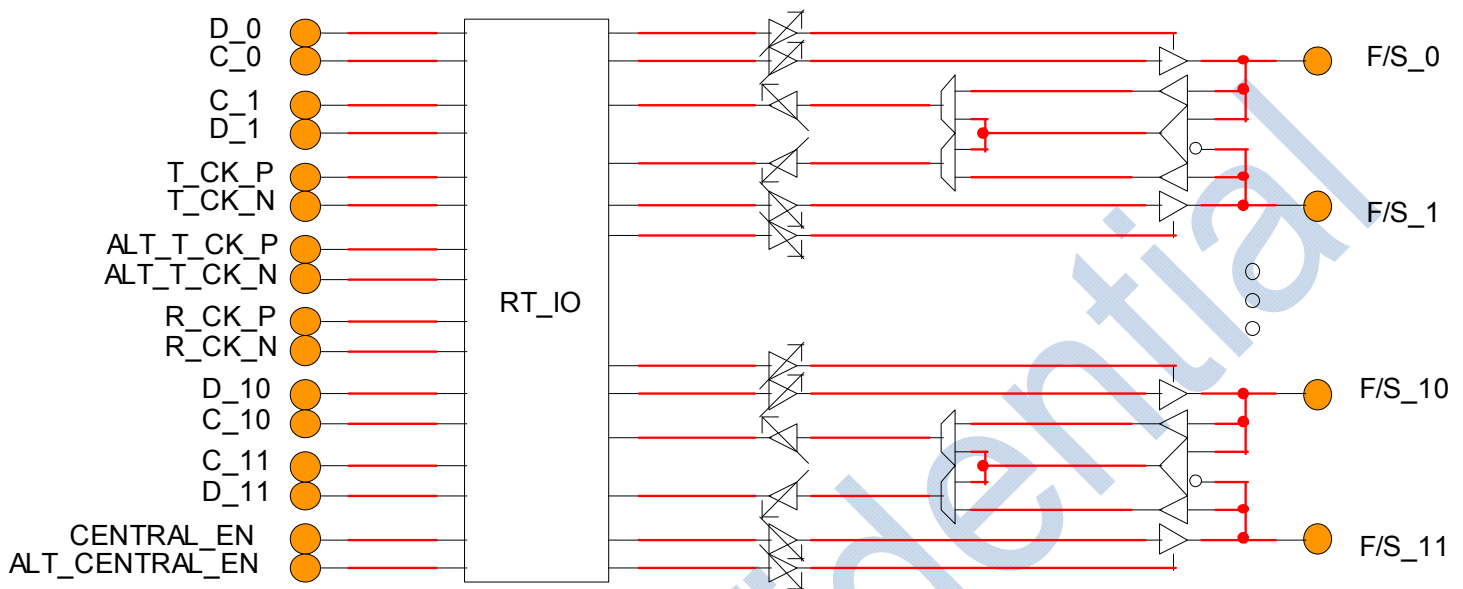


ANALOG TEST ENGINES



MTP – 12 Channel, 1.066 Gb/s, 5V, Pin Electronics

Pin Electronics – Driver / Comparator

- 1.066 Gb/s Fmax
- Differential Driver / Differential Comparator
- 3 Level Driver w/ on-chip levels
- Programmable Driver Precompensation
- Single comparator w/ on-chip threshold

Real Time Data I/O

- Synchronous / Asynchronous Operation
- 1:1, 1:2, and Differential Modes
- Single Ended CMOS FPGA Interface

Deskew

- Fine Delay (1.25 ns, 2.5 ps resolution)
- Falling Edge Adjust (± 150 ps, 10ps resolution)
- Independent deskew per channel, per function (data / enable / comparator)

PMU

- FV / FI / MV / MI Capability
- -1.2V to +3.5V FV Range
- -2V to +4.5V MV Range
- 5 Current Ranges (40.96 mA to 4.096 μ A)
- Programmable Voltage Clamps
- Programmable Current Clamps

Measurement Capability

- MV / MI Capability
- 2 Independent Analog Monitors (for use with an External ADC)
- External Force / Sense Switches

Built In Self Protection

- Over Temperature Alarm

2 Pin Serial Port

Power / Package

- 108 Lead, 12 mm X 12 mm QFN
 - 0.4 mm Lead Pitch
 - Lead Free
 - Exposed Heat Slug on the Bottom
 - Extremely low Θ JC
- 600 mW / Channel (Pd_q)

Recommended Applications

- Memory Port Test
- Memory Test
- High Speed Digital Test
- BIST / Scan Test