Inphi
Think fast.

# Inphi's High-Speed Analog Solutions

**Multi-Markets: Test, Measurement, Military & Aerospace**

## Clock and Data Fanouts

- 13616CF, 13617CF (13 Gbps 1:2 Fanout)
- 13716CF, 13717CF (13 Gbps 1:2 Fanout)
- IN8001 (1:4 Fanout)
- 25716CF, 25717CF (25 Gbps 1:2 Fanout)
- 50716CF, 50717CF (50 Gbps 1:2 Fanout)

## Flip-Flops

- 13600DF, 13601DF (13 Gbps D Flip-Flop, QFN Package)
- 13700DF, 13701DF (13 Gbps D Flip-Flop, LGA Package)
- 50700DF, 50701DF (50 Gbps D Flip-Flop)
- 50704DT (50 Gbps Double Edge-Triggered D Flip-Flop)
- 50720TF, 50721TF (50 Gbps T Flip-Flop)

## AND/NAND/OR/NOR

- 13612OR, 13613OR (13 Gbps OR/NOR/AND/NAND)
- 25712OR, 25713OR (25 Gbps OR/NOR/AND/NAND)
- 50712OR, 50713OR (50 Gbps OR/NOR/AND/NAND)

## Differential Encoders

- 13650DE, 13651DE (13 Gbps Differential Encoder in QFN package)
- 13750DE, 13751DE (13 Gbps Differential Encoder in LGA package)

## NRZ-to-RZ Converters

- 13706RZ, 13707RZ (12.5 Gbps NRZ-to-RZ Converter)

## Multiplexers/Demultiplexers

- 1385DX (12.5 Gbps 1:8 Demultiplexer with Latched Comparator Input)
- 2080MX (20 Gbps 4:1 Multiplexer)
- 5080MX (50 Gbps 4:1 Multiplexer)
- 5081DX (50 Gbps 1:4 Demultiplexer)

## Selectors

- 20708SE, 20709SE (20 Gbps 2:1 Selector)

## Latched Comparators

- 13606CP, 13607CP (13 GHz Bandwidth, 13 GS/s Latched Comparator)
- 25706CP, 25707CP (20 GHz Bandwidth, 25 GS/s Latched Comparator)
- 1385DX (12.5 Gbps 1:8 Demultiplexer with Latched Comparator Input)

## Differential Amplifiers

- 1010DA (DC to 9 GHz Differential Linear Amp, 2 Vpp Output)
- 1012VA (DC to 10 GHz Differential Variable Gain Linear Amp, 2 Vpp Output)
- 1312VA (13 Gbps Variable Amplitude Differential Driver)

## Track and Holds

- 1321TH (13 GHz Bandwidth, 2 GS/s Track and Hold)
- 1821TH (18 GHz Bandwidth, 2 GS/s Track and Hold)

## Frequency Dividers

- 25671DV (DC to 25 GHz Divide-by-2 Prescaler)
- 25673DV (DC to 25 GHz Divide-by-8 Prescaler)
- 25675DV (DC to 25 GHz Divide-by-4 Prescaler)
- 50718DV (50 Gbps Divide-by-2/4)
- 50728DV (50 Gbps Divide-by-8)

## Clock Doublers

- 13610XR, 13611XR (13 Gbps XOR/XNOR)
- 25710XR, 25711XR (25 Gbps XOR/XNOR)
- 50710XR, 50711XR (50 Gbps XOR/XNOR)

## Reference Designs

- 28821BR (28 Gbps Bit Error Ratio Receiver Reference Board)
- 32821BR (32 Gbps Bit Error Ratio Receiver Reference Board)

Inphi

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