General Description

The ET7222 is 2- to 1-port analog switches. Their wide bandwidth and low bit-to-bit skew allow them to pass high-speed differential signals with good signal integrity. Each switch is bidirectional and offers little or no attenuation of the high-speed signals at the outputs. Industry-leading advantages include a propagation delay of less than 250 ps, resulting from its low channel resistance and low I/O capacitance. Their high channel-to-channel crosstalk rejection results in minimal noise interference. Their bandwidth is wide enough to pass High-Speed USB 2.0 differential signals (480 Mb/s).

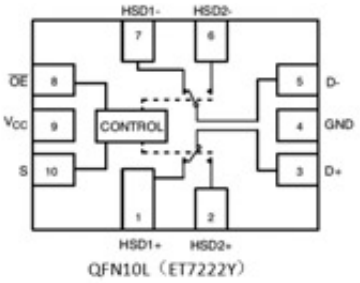
Features

- RON is Typically 6.0Ω at VCC = 3.3 V
- Low Bit-to-Bit Skew: Typically 50 ps
- Low Crosstalk: -45 dB @ 250 MHz
- Low Current Consumption: 1.0 μA
- Near-Zero Propagation Delay: 250 ps
- Channel On-Capacitance: 4.0 pF (Typical)
- VCC Operating Range: 1.65 V to 4.5 V
- >750 MHz Bandwidth (or Data Frequency)
- Package :QFN10L-1.8*1.4（ET7222Y）、MSOP10 (ET7222U)

Applications

- Differential Signal Data Routing
- USB 2.0 Signal Routing

Pin Configuration



QFN10L（ET7222Y）