

### LT8311X1 --- Product Brief

# **USB 2.0 High Speed Signal Repeater**

#### 1. Features

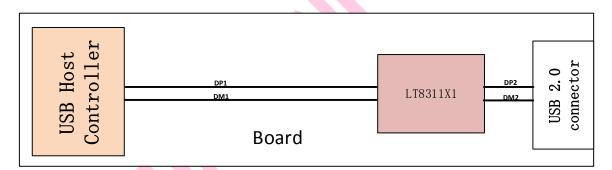
- Compatible with USB 2.0, OTG 2.0 and BC 1.2
- Support for HS, FS, LS signaling
- Auto detection and compensation of USB 2.0 HS signal
- Selectable HS signal compensation gain via external pull down resistor
- 3.3V single power supply
- QFN-12 1.6mm x 1.6mm package

### 2. General Description

The LT8311X1 is a USB 2.0 high speed signal repeater, used to compensate high speed signal attenuation caused by ISI. Programmed compensation gain selected via external pull down resistor helps to improve USB 2.0 high speed signal quality and pass CTS tests.

### 3. Applications

- PC, Laptop Mother Boards
- Smart Phones
- Backplane
- Servers Televisions



**Figure 3.1 Application Diagram** 

## 4. Ordering Information

**Table 4.1 Ordering Information** 

Product Name	Part Number	Operating Temperature Range	Package	Packing Method	MPQ
LT8311X1	LT8311X1_U1	−40°C to +85°C	QFN12 (1.6*1.6)	Tape and Reel	3000pcs



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