

LT8311X3 --- 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 and swing via external pull down resistor
- 3.3V single power supply

2. General Description

The LT8311X3 is a USB 2.0 high speed signal repeater,

used to compensate high speed signal attenuation caused by ISI. Programmed compensation gain and swing selected via external pull down resistor help to improve USB 2.0 high speed signal quality and pass CTS tests.

3. Applications

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

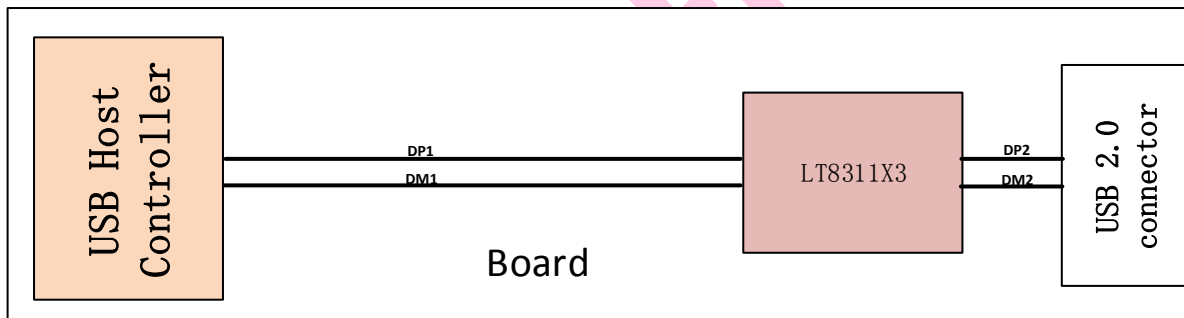
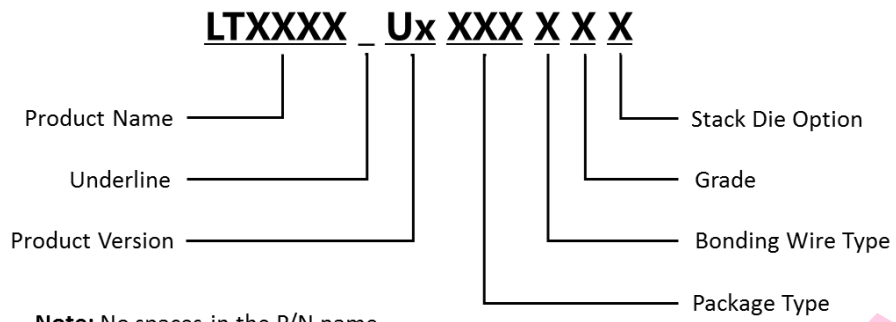


Figure 3.1 Application Diagram

4. Ordering Information

Table 4.1 Ordering Information

Product Name	Part Number	Product Status	Package	Bonding Wire	Grade	Operating Temperature Range	Stack Die Option	Packing Method	MPQ
LT8311X3	LT8311X3_U1Q16AEN	MP	QFN12 (1.6*1.6)Saw	Au	E	-40°C to +85°C	N	Tape and Reel	3000pcs

**Figure 4.1 Part Number Naming Rules**

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