

LT86101UXS --- Product Brief

HDMI2.0 TMDS Re-timer/Level Shifter

1. Features

- Supports 480P,720P,1080P,4K@30Hz as specified in HDMI 1.4
- Supports 4K@60Hz as specified in HDMI2.0
- Programmable Input Equalization up to 20dB
- Programmable Output Swing and De-emphasis
- DC/AC Couple input capable
- Input signal jitter clean
- Integrate DDC Interception
- Automatic power management
- 1.2V and 3.3V Power Supply
- Integrated 100/400kHz I2C slave
- Low power consumption
- ESD **TBD**
- Packaged in 6mm x 6mm QFN48

- Temperature Range: **TBD**

2. General Description

LT86101UXS is HDMI2.0 TMDS Re-timer/Level Shifter. It supports up to 6Gbps TMDS signal with programmable equalization and pre-emphasis for better jitter performance. Both DC/AC couple input signals are capable. LT86101UXS will automatically manager power consumption when source or sink is asserted or deserted. System control is also available through the use of a dedicated configuration I2C slave interface.

3. Applications

- PC Motherboards
- Docking Station
- Dongle

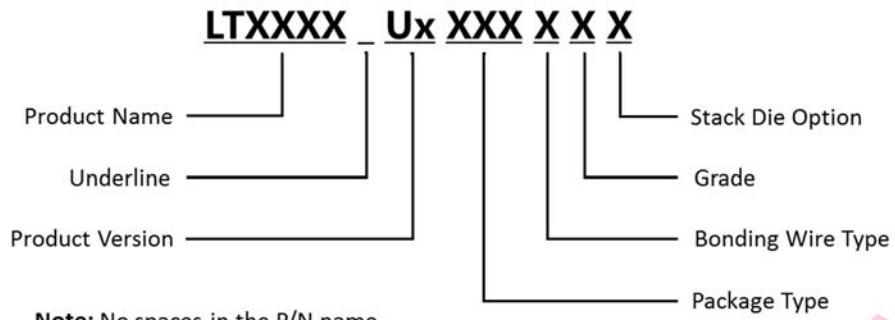


Figure 3.1 Application Diagram

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
LT86101UXS	LT86101UXS_U2Q10CEN	Preview	QFN48(6*6)	Cu	E	TBD	N	Tray	TBD



Note: No spaces in the P/N name.

Figure 4.1 Part Number Naming Rules

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