

LT86101UXS_U3Q10CED --- Product Brief

HD-DVI2.0 TMDs Re-timer/Level Shifter

1. Features

- Supports 480P,720P,1080P,4K@30Hz as specified in HD-DVI1.4
- Supports 4K@60Hz as specified in HD-DVI2.0
- Programmable input equalization up to 25dB
- Programmable output swing and de-emphasis
- DC/AC couple input capable
- Input signal jitter clean
- Integrate DDC interception
- Supports HD-DVI ID by DDC
- Automatic power management
- 1.2V and 3.3V power supply
- Integrated 100/400kHz I2C slave
- Integrated MCU
- Low power consumption

2. General Description

LT86101UXS_U3Q10CED is HD-DVI2.0 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_U3Q10CED 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

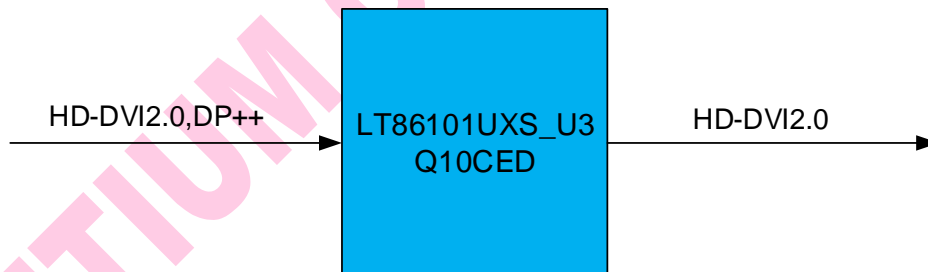


Figure 3.1 Application Diagram

4. Ordering Information

Table 4.1 Ordering Information

Part Number	Product Status	Package	Bonding Wire	Grade	Operating Temperature Range	Stack Die Option	Packing Method	MPQ
LT86101UXS_U3Q10CED	Preview	QFN48(6*6)Saw	Cu	E	-40°C to +85°C	D	Tray	4900pcs

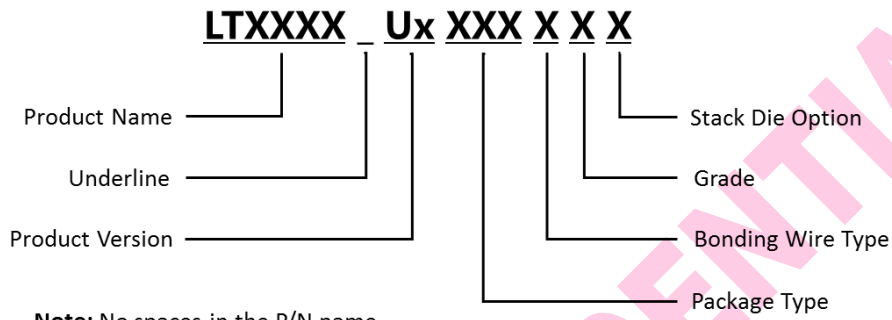


Figure 4.1 Part Number Naming Rules

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