

LT8644 Product Brief

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Features

- z DC t o 3.4 Gbps
- z Programmable receiver equalization
- z DC- or AC-coupled differential
- z DC- or AC-coupled differential
- z Programmable CML output
- z 50 Ω on-chip I/O termination
- z SPI
- z I²C interface
- z ESD protection

Description

The LT8644 is a 16 × 16 digit NRZ data serializer/deserializer. It provides a high-speed, low-power, and low-cost solution for digital video and data transmission. The LT8644 is designed to interface with a variety of digital video and data sources, including HDMI, DVI, and DisplayPort. It features a programmable receiver equalization and a programmable CML output. The LT8644 also includes a 50 Ω on-chip I/O termination, a SPI interface, an I²C interface, and ESD protection. The LT8644 is available in a 14-pin package.

Applications

- z Fiber-optic interface
- z Data-chip interface
- z Digital video (HDMI, DVI, DisplayPort)

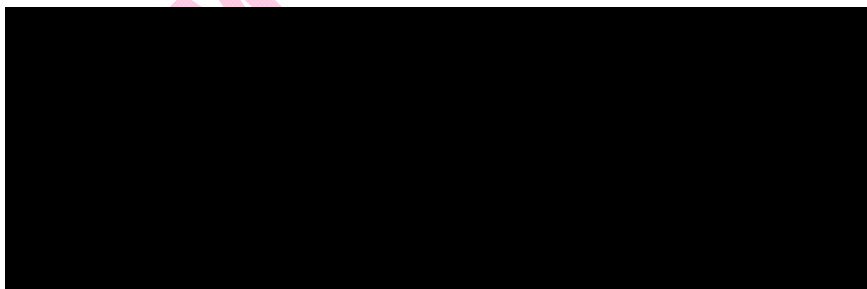


Figure 1. Application Diagram

Ordering Information

Part Number	Operating Temperature Range	Package	Packing Method
LT8644	-40 °C to +85 °C	TQFP100(14*14)	Tray

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