LT8644 --- Product Brief

Digit al Cosit h Siw

Features

- DC t o 3.4 Gbsper t
- Pogaable ece iv eqlat ion
- DC- orAC-cod diffeen ialCML ip
- DC- orAC-cod diffeen ialCML ou
- Pogaable CML ou t p
- 50Ω onchip I/O t ein at
- Spt s 8b/10b, scabled oncoded NRZ dat
- I2C lav con olin eface in
- ESD at ig: HBM at 2kV

Description

NRZ Thelat LT8644 isa 16 × 16 a digit e al cosit h ibe ip otu s t p forat s The LT8644 isc t p h dat a at leels offes pgaable leel of ip eqlat ion pgaable ou t p ig. The LT8644 ideped en a chaal isw chig t eqyad e eface. The LT8644 hasbwat o-chaalskew An I2C in eface isd t ad pide acces o adaced feat es

Applications

- Fiberop ic et wk is
- Digit alideo (HDMI, DVI, DisPot)
- Dat chig a ts ange et



Figure 1. Application Diagram

Ordering Information

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

LONTIUM CONFIDEN

Copyright © 2013 2017 Lontium Semiconductor Corporation, All rights reserved.

Lontium Semiconductor Proprietary & Confidential

This document and the information contained herein is Lontium Semiconductor Corporation proprietary and confidential information. Any review, use, disclosure, dissemination, distribution or copying of this document or the information contained herein is strictly prohibited except to the extent expressly authorized by Lontium Semiconductor Corporation in a signed agreement.

LONTIUM DISCLAIMS ALL WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING THOSE OF NONINFRINGEMENT, MERCHANTABILITY, TITLE AND FITNESS FOR A PARTICULAR PURPOSE. CUSTOMERS EXPRESSLY ASSUME THEIR OWN RISH IN RELYING ON THIS DOCUMENT.

LONTIUM PRODUCTS ARE NOT DESIGNED OR INTENDED FOR USE IN LIFE SUPPORT APPLIANCES, DEVICES OR SYSTEMS WHERE A MALFUNCTION OF A LONTIUM DEVICE COULD RESULT IN A PERSONAL INJURY OR LOSS OF LIFE.

Lontium assumes no responsibility for any errors contained in this document. Information concerning device applications and the like is provided herein. Lontium makes no representation or warranty that such applications will be suitable for the specified use without further testing or modification. Lontium reserves the right to make changes to this document, to the information and to the products described herein at any time without notice. Lontium makes no warranty, express, implied or statutory, including but not limited to any implied warranty of merchantability or fitness for any particular purpose, or that the use of any Lontium product will not infringe any third party's intellectual property rights in connection with any combination, machine or process in which any Lontium product or service might be or are used.

Trademarks

Lontium's name and logo, CleanEdge™ are registered trademarks of Lontium Semiconductor Corporation. Other brand and product names may be trademarks or registered trademarks of their respective holders and are hereby recognized and acknowledged.

Visit our corporate web page at: www.lontiumsemi.com
Technical support: support@lontium.com
Sales: sales@lontium.com

LONTIUM CONFIDENTIAL