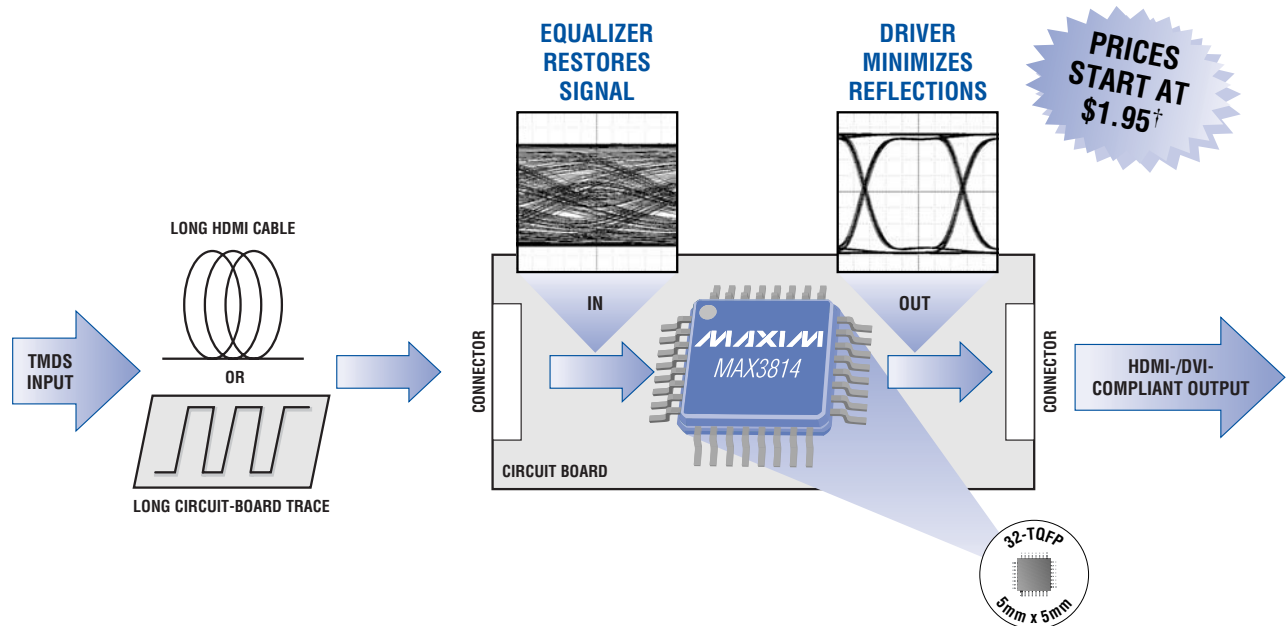


RELIEF FOR HDMI/DVI CONNECTION WOES

Provides 15dB Loss Compensation and Absorbs Connector Reflections

The MAX3814 equalizer/driver compensates for cable and circuit-board signal losses and absorbs connector reflections—all at a low price. Providing up to 15dB loss compensation for long cables or circuit-board traces, this small, 5mm x 5mm device can be placed right at the HDMI™/DVI™ interface. To absorb connector reflections, a selectable, higher output current enables the use of back-termination resistors. The MAX3814 is ideal for VGA, SVGA, XGA, and UXGA computer resolutions, as well as 480p, 720p, 1080i, and 1080p HDTV resolutions. It is compatible with HDMI 1.3 applications.



HDMI Cable Extender/Equalizer

- ◆ Extends 28-AWG HDMI Cable Up to 36ft
- ◆ Extends FR4 Circuit Board Up to 2m
- ◆ Adds 15dB (max) Loss Compensation Margin

HDMI Cable Driver

- ◆ HDMI- and DVI-Compliant Output
- ◆ Optional High-Current Mode for Output-Reflection Termination Resistors
- ◆ Power-Down Mode to Turn Off Outputs

HDMI is a trademark of HDMI Licensing, LLC.

DVI is a trademark of the Digital Display Working Group.

†1000-up recommended resale. Prices provided are for design guidance and are FOB USA. International prices will differ due to local duties, taxes, and exchange rates. Not all packages are offered in 1k increments, and some may require minimum order quantities.

MAXIM

www.maxim-ic.com/MAX3814-info

FREE Fiber Design Guide—Sent Within 24 Hours!

CALL TOLL FREE 1-800-998-8800 (7:00 a.m.–5:00 p.m. PT) for a Design Guide or Free Sample

MAXIM DIRECT
1-888-MAXIM-IC

ARROW
ARROW ELECTRONICS, INC.
1-800-777-2776

AVNET
electronics marketing
1-800-332-8638

Distributed by Maxim Direct, Arrow, Avnet Electronics Marketing, Digi-Key, and Newark.

The Maxim logo is a registered trademark of Maxim Integrated Products, Inc.

© 2007 Maxim Integrated Products, Inc. All rights reserved.