
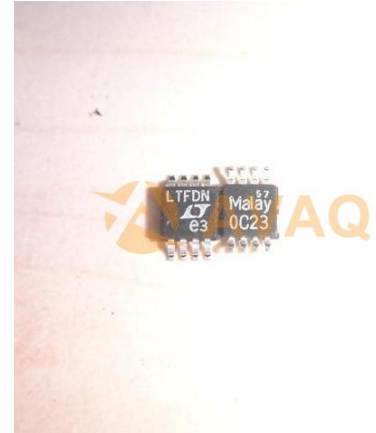


Adaptive Cable Equalizer 16-Pin WQFN EP T/R

Manufacturer:	<u>Texas Instruments, Inc</u>
Package/Case:	WQFN16
Product Type:	Drivers
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active



Images are for reference only

[Inquiry](#)

General Description

The LMH0044 SMPTE 292M / 259M adaptive cable equalizer is a monolithic integrated circuit for equalizing data transmitted over cable (or any media with similar dispersive loss characteristics). The equalizer operates over a wide range of data rates from 125 Mbps to 1.485 Gbps and supports SMPTE 292M, SMPTE 344M and SMPTE 259M.

The LMH0044 implements DC restoration to correctly handle pathological data conditions (DC restoration may be bypassed for low data rate applications). The equalizer may be driven in either a single ended or differential configuration.

Additional features include separate carrier detect and output mute pins which may be tied together to mute the output when no signal is present. A programmable mute reference is provided to mute the output at a selectable level of signal degradation.

Key Features

SMPTE 292M, SMPTE 344M and SMPTE 259M Compliant

Supports DVB-ASI at 270 Mbps

Data rates: 125 Mbps to 1.485 Gbps

Equalizes up to 200 Meters of Belden 1694A at 1.485 Gbps or up to 400 meters of Belden 1694A at 270 Mbps

Manual Bypass and Output Mute with a Programmable Threshold

Single-Ended or Differential Input

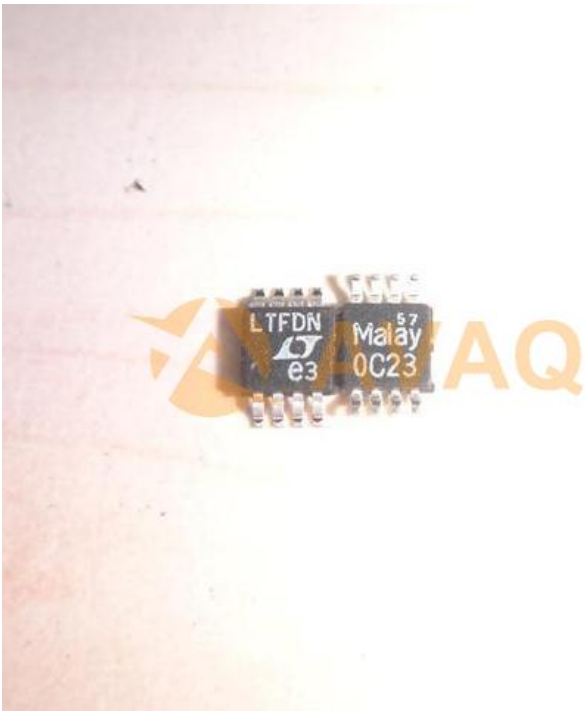
50? Differential Outputs

Single 3.3V Supply Operation

208 mW Typical Power Consumption with 3.3V Supply

Replaces the GS1574 and GS1574A

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Recommended For You

LMH0024MA/NOPB

Texas Instruments, Inc
SOP

LMH0344SQ/NOPB

Texas Instruments, Inc
QFN16

LMH0344SQE/NOPB

Texas Instruments, Inc
QFN

LMH0074SQ/NOPB

Texas Instruments, Inc
WQFN16

LMH1219RTWT

Texas Instruments, Inc
WQFN24

LMH0034MA/NOPB

Texas Instruments, Inc
SOP16

LMH0384SQ/NOPB

Texas Instruments, Inc
WQFN16

LMH0384SQE/NOPB

Texas Instruments, Inc
WQFN-16

LMH0395SQE/NOPB

Texas Instruments, Inc
WQFN-24

LMH0394SQE/NOPB

Texas Instruments, Inc
WQFN-16

LMH0074SQE/NOPB

Texas Instruments, Inc
WQFN16

LMH0024MAE/NOPB

Texas Instruments, Inc
SOIC-16

LMH0044SQ/NOPB

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WQFN16

LMH0394SQX/NOPB

Texas Instruments, Inc
WQFN-16

LMH0394SQ/NOPB

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