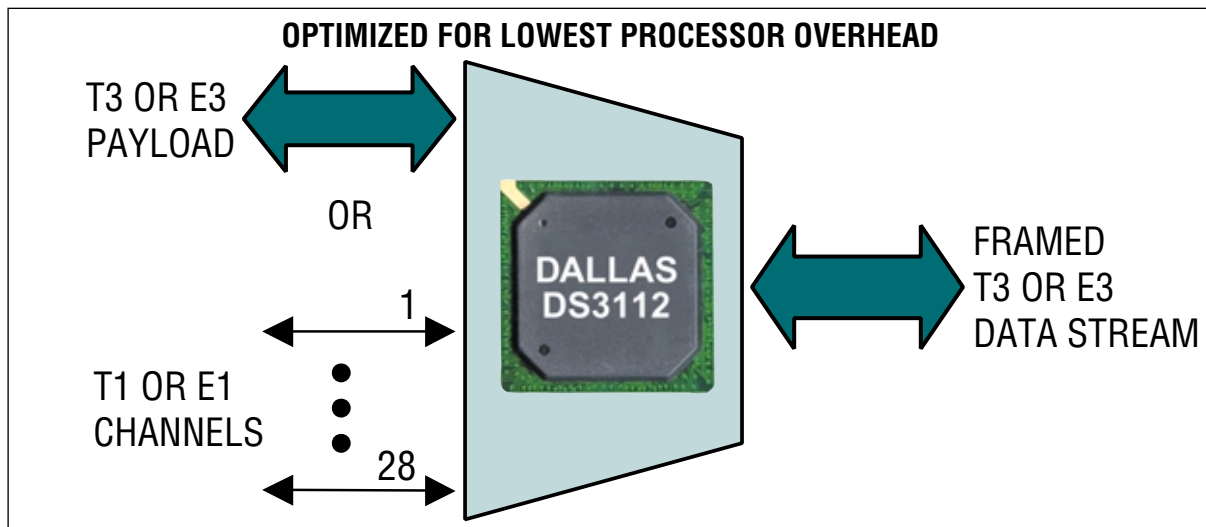


# SIMPLIFY T3/E3 LINECARD DESIGN

## The Only Multiplexer-Framer IC with Complete Support for Both T3 and E3!

The DS3112 T3/E3 multiplexer-framer contains all the digital logic required to communicate over T3 and E3 transmission lines. Supporting both channelized and unchannelized operation, the DS3112 enables low-cost T3/E3 line cards that can be deployed in a variety of voice and data applications worldwide.



### ◆ Five Operating Modes!

- M13 Multiplexing (28 T1s to T3)
- E13 Multiplexing (16 E1s to E3)
- G.747 Multiplexing (21 E1s to T3)
- Unchannelized T3 Framing
- Unchannelized E3 Framing

### Features:

- ◆ M13 or C-Bit Parity T3 Framing
- ◆ G.751 E3 Framing
- ◆ Alarm Generation and Detection
- ◆ HDLC Controller with 256-Byte FIFOs
- ◆ FEAC Controller
- ◆ BERT (Bit Error Rate Tester)
- ◆ Two T1/E1 Add/Drop Ports
- ◆ 27mm x 27mm 256-Lead BGA Package

CALL TOLL-FREE 1-800-998-8800 for a Brochure or Free Sample  
6:00 a.m.–6:00 p.m. Pacific Time

 **DALLAS**  
SEMICONDUCTOR   
[www.maxim-ic.com](http://www.maxim-ic.com)

FREE FULL-LINE DATA CATALOG  
ON CD-ROM



**NEW!**

Get Price, Delivery, and Place Orders  
Online at [www.maxim-ic.com](http://www.maxim-ic.com)

Dallas Semiconductor, 4401 South Beltwood Parkway, Dallas, Texas 75244-3292 Phone: 972-371-4448 Fax: 972-371-4470

**MAXIM** is a registered trademark of Maxim Integrated Products, Inc. (C) 2001 Maxim Integrated Products.