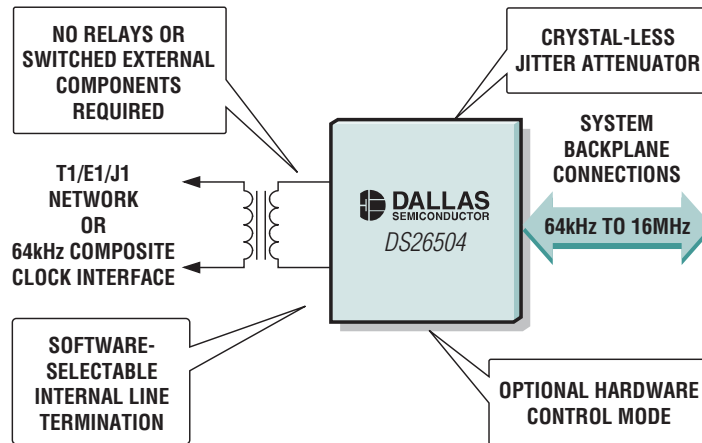


WORLD'S ONLY 64kHz COMPOSITE CLOCK TRANSCEIVER FAMILY

The DS26504, DS26503, and DS26502 are building-integrated timing-supply (BITS) clock-recovery elements that support the popular frequencies and standards shown below. Basic framing and formatting are provided in the T1/E1 operating modes, making these parts extremely versatile, low-cost solutions for composite clock and T1/E1/J1 architectures. Every part translates from any of the supported inbound synchronization clock rates to any supported outbound rate.



- ◆ Accepts 16.384MHz, 8.192MHz, 4.096MHz, or 2.048MHz Master Clock
- ◆ LH/SH LIU with -43dB Sensitivity
- ◆ Fully Independent Transmit and Receive Functionality
- ◆ Synchronization-Status Message Support (T1/E1)
- ◆ T1/E1 Payload Clock Output
- ◆ Small, 10mm x 10mm, 64-Pin LQFP* Package

30% LOWER COST AND 22% SMALLER* THAN COMPETITIVE MULTICHIP SOLUTIONS

Part	64kHz Composite Clock Interfaces			Synchronization Interfaces		Standard T1/E1 Interfaces		Other Supported Frequencies		Temp Range (°C)	Price† (\$)
	GR378	G.703 Option A	G.703 Option B	6312kHz	2048kHz	1.544MHz	2.048MHz	19.44MHz	8kHz		
DS26504L	✓	✓	✓	✓	✓	✓	✓	✓	✓	-0 to +70	17.57
DS26502L		✓		✓	✓	✓	✓			-0 to +70	16.04
DS26503L				✓	✓	✓	✓			-0 to +70	11.23
DS26504LN	✓	✓	✓	✓	✓	✓	✓	✓	✓	-40 to +85	20.17
DS26502LN		✓		✓	✓	✓	✓			-40 to +85	18.41
DS26503LN				✓	✓	✓	✓			-40 to +85	12.89

*At 10mm x 10mm 64-pin LQFP is 22% smaller than competitive multipart existing solutions.

†10000-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.



www.maxim-ic.com/ds1388rtc

FREE Communications Design Guide—Sent Within 24 Hours!

CALL TOLL FREE 1-800-998-8800 (6:00 a.m.–6:00 p.m. PT)

For a Design Guide or Free Sample



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

The Maxim logo is a registered trademark of Maxim Integrated Products, Inc. The Dallas Semiconductor logo is a registered trademark of Dallas Semiconductor Corp. © 2005 Maxim Integrated Products, Inc. All rights reserved.