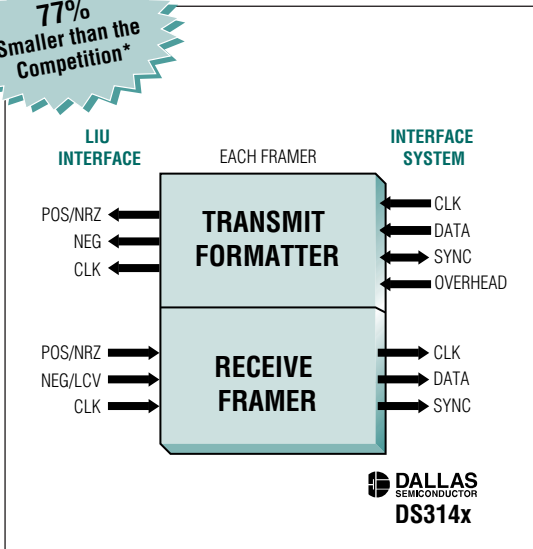


WORLD'S SMALLEST, LOWEST COST T3/E3 FRAMERS

Configure Up To Four Separate Channels

The DS314x framers are small, low-cost components with all necessary circuitry to frame and format up to four separate DS3 or E3 channels. Each framer is independently configurable, and interfaces to a variety of LIUs, microprocessor buses, and other system components without glue logic. Each IC integrates an HDLC controller, FEAC controller, BERT, full support for generating and detecting alarms and error conditions, performance monitoring, and loopbacks.

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Competition*



- ◆ Up to Four Framers in a Tiny 13mm CSBGA Package
- ◆ All DS314x Framers Are Pin Compatible with Each Another
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- ◆ Framing and Formatting to M23 DS3, C-Bit Parity DS3, and G.751 E3
- ◆ Integrated HDLC Controller, FEAC Controller, and Bit Error-Rate Tester (BERT) for Each Channel
- ◆ Line, Diagnostic, and Payload Loopbacks

Part	Number of Framers	Temp Range (°C)	Price† (\$)
DS3141	1	0 to +70	12.49
DS3141N	1	-40 to +85	14.36
DS3142	2	0 to +70	24.98
DS3142N	2	-40 to +85	28.72
DS3143	3	0 to +70	37.47
DS3143N	3	-40 to +85	43.08
DS3144	4	0 to +70	49.96
DS3144N	4	-40 to +85	57.44

*For the 4-channel framer.

†10,000-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.



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