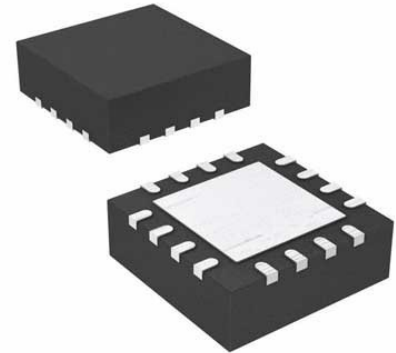


Fanout Buffer, Translator, 2.5GHz, 2.375V to 2.625V, 4 Outputs, QFN-16

Manufacturers	Microchip Technology, Inc
Package/Case	VQFN-16
Product Type	Clock & Timer ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for SY89832UMG-TR or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The SY89832U is a 2.5V, high-speed, 2GHz differential LVDS (Low Voltage Differential Swing) 1:4 fanout buffer optimized for ultra-low skew applications. Within device skew is guaranteed to be less than 20ps over supply voltage and temperature. The differential input buffer has a unique internal termination design that allows access to the termination network through a VT pin. This feature allows the device to easily interface to different logic standards. A VREF-AC reference output is included for AC-coupled applications. The SY89832U is a part of Micrel's high-speed clock synchronization family. For 3.3V applications, see SY89833L. For applications that require a different I/O combination, choose from a comprehensive product line of high-speed, low-skew fanout buffers, translators and clock generators.

Features

Guaranteed AC performance over temperature and voltage:

DC-to >2.0GHz throughput

Ultra-low jitter design:

81fsRMS phase jitter

Unique, patent-pending input termination and VT pin accepts DC- and AC-coupled inputs

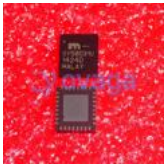
High-speed LVDS outputs

2.5V voltage supply operation

Industrial temperature range: -40°C to +85°C

Available in 16-pin (3mm x 3mm) QFN package

Related Products



[SY58031UMG](#)

Microchip Technology, Inc
VQFN-32



[SY58034UMG](#)

Microchip Technology, Inc
VQFN-32



[SY89838UMG](#)

Microchip Technology, Inc
VQFN-32



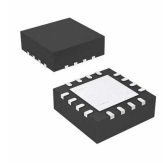
[SY89826LHY](#)

Microchip Technology, Inc
TQFP-64



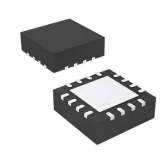
[SY89467UHY](#)

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[SY89833LMG](#)

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VQFN-16



[SY89872UMG](#)

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VQFN-16



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