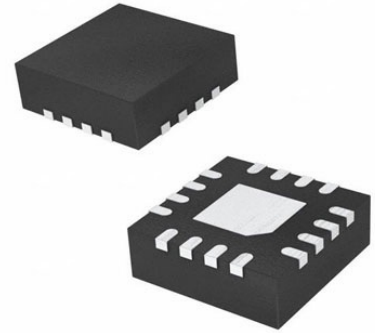


Clock Fanout Buffer 4-OUT 1-IN 1:4 16-Pin QFN EP Tube



Images are for reference only

[Inquiry](#)

Manufacturer: [Microchip Technology, Inc](#)

Package/Case: 16-VFQFN

Product Type: Drivers

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active

General Description

The SY89833AL is a lower noise version of the SY89833L 3.3V, high-speed 2 GHz differential, low voltage differential swing (LVDS) 1:4 fanout buffer optimized for ultra-low skew applications. Within device skew is guaranteed to be less than 20 ps 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 is included for AC-coupled applications. The SY89833AL is part of Microchip's high-speed clock synchronization family. For 2.5V applications, the SY89832U provides similar functionality while operating from a 2.5V ±5% supply. For applications that require a different I/O combination, consult the Microchip website and choose from a comprehensive product line of high-speed, low-skew fanout buffers, translators, and clock generators.

Key Features

Guaranteed AC performance over temperature and voltage:

DC-to >2.0GHz throughput

Improved ultra-low jitter design:

195fsRMS phase jitter (typ.)

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

High-speed LVDS outputs

3.3V power supply operation

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

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

Recommended For You

SY87729LHY

Microchip Technology, Inc
QFP32

SY87701ALHG

Microchip Technology, Inc
TQFP32

SY89296UMG

Microchip Technology, Inc
VQFN

SY89297UMG

Microchip Technology, Inc
QFN24

SY89295UMG

Microchip Technology, Inc
QFN

SY89874UMG

Microchip Technology, Inc
QFN

SY87700ALHG

Microchip Technology, Inc
QFP32

SY87739LHY

Microchip Technology, Inc
TQFP32

SY100EL34ZG

Microchip Technology, Inc
SOP16

SY89202UMG

Microchip Technology, Inc
QFN

SY89876LMG

Microchip Technology, Inc
QFN

SY100EP196VTG

Microchip Technology, Inc
TQFP32

SY89831UMG

Microchip Technology, Inc
QFN

SY89297UMH

Microchip Technology, Inc
VQFN

SY87721LHG

Microchip Technology, Inc
64-TQFP