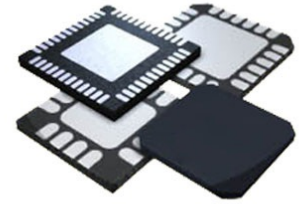


Clock Divider/Fanout Buffer 2-OUT 1-IN 1:2 16-Pin QFN EP

Tube



Images are for reference only

[Inquiry](#)

Manufacturer: [Microchip Technology, Inc](#)

Package/Case: QFN

Product Type: Drivers

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active

General Description

This low-skew, low-jitter device is capable of accepting a high-speed (e.g., 622MHz or higher) CML, LVPECL, LVDS or HSTL clock input signal and dividing down the frequency using a programmable divider ratio to create a lower speed version of the input clock. Available divider ratios are 2, 4, 8 and 16, or straight pass-through. 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 /RESET input asynchronously resets the divider. In the pass-through function (divide by 1) the /RESET synchronously enables or disables the outputs on the next falling edge of IN (rising edge of /IN).

Key Features

Integrated programmable clock divider and 1:2 fanout buffer

Guaranteed AC performance over temperature and voltage:

Low jitter design:

Unique input termination and VTPin for DC- and ACcoupled inputs; CML, PECL, LVDS and HSTL

LVDS-compatible outputs

TTL/CMOS inputs for select and reset

Parallel programming capability

Programmable divider ratios of 1, 2, 4, 8 and 16

Low voltage operation 3.3V

Output disable function

Available in 16-pin (3mm x 3mm) MLF® 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

SY100EP196VTG

Microchip Technology, Inc
TQFP32

SY89831UMG

Microchip Technology, Inc
QFN

SY89833ALMG

Microchip Technology, Inc
16-VQFN

SY89297UMH

Microchip Technology, Inc
VQFN

SY87721LHG

Microchip Technology, Inc
64-TQFP