


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

### Tube

<b>Manufacturer:</b>	<a href="#">Microchip Technology, Inc</a>
<b>Package/Case:</b>	QFN
<b>Product Type:</b>	Drivers
<b>RoHS:</b>	RoHS Compliant/Lead free 
<b>Lifecycle:</b>	Active



Images are for reference only

[Inquiry](#)

### 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 frequencylocked, lower speed version of the input clock. Available divider ratios are 2, 4, 8 and 16, or straight pass-through. In a typical 622MHz clock system this would provide availability of 311MHz, 155MHz, 77MHz or 38MHz auxiliary clock components. 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 /N).

### 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-coupled and AC-coupled Inputs; CML, PECL, LVDS and HSTL
- TTL/CMOS inputs for select and reset
- 100k EP compatible LVPECL outputs
- Parallel programming capability
- Programmable divider ratios of 1, 2, 4, 8 and 16
- Low voltage operation 2.5V or 3.3V
- Output disable function
- Available in 16-pin (3mm x 3mm) MLF® package



## Recommended For You

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### **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

### **SY87700ALHG**

Microchip Technology, Inc  
QFP32

### **SY87739LHY**

Microchip Technology, Inc  
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### **SY100EL34ZG**

Microchip Technology, Inc  
SOP16

### **SY89202UMG**

Microchip Technology, Inc  
QFN

### **SY89876LMG**

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QFN

### **SY100EP196VTG**

Microchip Technology, Inc  
TQFP32

### **SY89831UMG**

Microchip Technology, Inc  
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### **SY89833ALMG**

Microchip Technology, Inc  
16-VFQFN

### **SY89297UMH**

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VQFN

### **SY87721LHG**

Microchip Technology, Inc  
64-TQFP