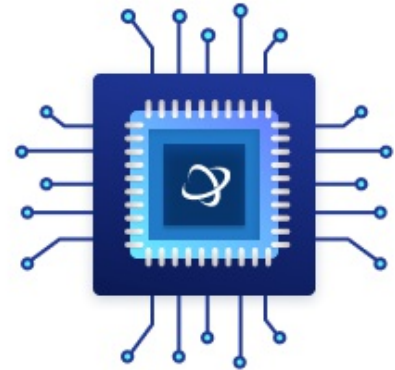


1:2 LVDS 1.8V / 2.5V Fanout Buffer for 1PPS and High-Speed Clocks

Manufacturers	<a href="#">Renesas Technology Corp</a>
Package/Case	
Product Type	Integrated Circuits (ICs)
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for 8P34S1102NLGI or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The 8P34S1102 is a high-performance differential LVDS fanout buffer. The device is designed for the fanout of 1PPS signals or high-frequency, very low additive phase-noise clock and data signals. The 8P34S1102 supports fail-safe operation and is characterized to operate from a 1.8V or 2.5V power supply. Guaranteed output-to-output and part-to-part skew characteristics make the 8P34S1102 ideal for those clock distribution applications demanding well-defined performance and repeatability. One differential input and two low skew outputs are available. The integrated bias voltage reference enables easy interfacing of single-ended signals to the differential device input. The device is optimized for low power consumption and low additive phase noise.

## Features

Two low skew, low additive jitter LVDS output pairs

One differential clock input pair

Differential CLK, nCLK pairs can accept the following differential input levels: LVDS, CML

Maximum input clock frequency: 1.2GHz

Output skew: 3ps (typical)

Propagation delay: 400ps (maximum)

Low additive phase jitter, RMS;>

Device current consumption (IDD):

40mA typical: 1.8V

50mA typical: 2.5V

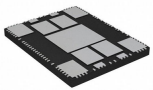
Full 1.8V or 2.5V supply voltage

Lead-free (RoHS 6), 16-Lead VFQFN package

Supports case temperature up to +105°C

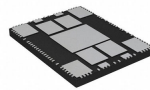
Supports PCI Express Gen 1-5

## Related Products



### [8P34S1102NLGI8](#)

Renesas Technology Corp  
VFQFPN-16



### [8P34S1208NBGI](#)

Renesas Technology Corp  
VFQFPN-28



### [HD74AC138P-E](#)

Renesas Technology Corp  
DIP16



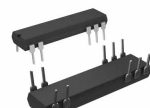
### [HD6475208P10V](#)

Renesas Technology Corp  
DIP-64



### [R5F64168PFD](#)

Renesas Technology Corp  
QFP



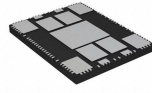
### [74HC138P-E](#)

Renesas Technology Corp  
DIP



[74LS08P-E](#)

Renesas Technology Corp



[8P34S1106NLG18](#)

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VFQFPN-20