

Clock Generator 33MHz to 150MHz-IN 150MHz-OUT 48-Pin VFQFPN EP T/R



Images are for reference only

Manufacturer: [Renesas Technology Corp](#)

Package/Case: QFN48

Product Type: Clock & Timer ICs

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active

[Inquiry](#)

General Description

The 9ZXL0831 is a low-power 8-output differential buffer that meets all the performance requirements of the Intel DB800ZL specification. It is suitable for PCI-Express Gen1/2/3 or QPI/UPI applications, and uses a fixed external feedback to maintain low drift for demanding QPI/UPI applications.

Key Features

8 - 0.7V low-power HCSL-compatible output pairs

Low-power push-pull outputs; Save power and board space - no Rp

Space-saving 48-pin VFQFPN package

Fixed feedback path for 0ps input-to-output delay

8 OE# pins; hardware control of each output

PLL or bypass mode; PLL can de-jitter incoming clock

100MHz or 133MHz PLL mode operation; supports PCIe and QPI applications

Selectable PLL bandwidth; minimizes jitter peaking in downstream PLL's

Spread Spectrum Compatible; tracks spreading input clock for low EMI

Cycle-to-cycle jitter <50ps

Output-to-output skew <65 ps

Input-to-output delay variation <50ps

PCIe Gen3 phase jitter <1.0ps RMS

QPI/UPI 9.6GT/s 12UI phase jitter <0.2ps RMS

Recommended For You

9ZXL1231AKLFT

Renesas Technology Corp

QFN

9ZX21901BKLF

Renesas Technology Corp

QFN72

9ZXL1550DKILF

Renesas Technology Corp

QFN

9ZXL1530DKILF

Renesas Technology Corp

MLF-64

9ZXL1951DNHGI

Renesas Technology Corp

BGA

9ZX21901BKLF

Renesas Technology Corp

QFN

9ZX21501BKLF

Renesas Technology Corp

QFN

9ZXL0853EKILF

Renesas Technology Corp

VFQFPN-48

9ZXL1530BKLF

Renesas Technology Corp

QFN

9ZXL1530BKLF

Renesas Technology Corp

QFN

9ZX21501BKLF

Renesas Technology Corp

SMD

9ZX21901CKLFT

Renesas Technology Corp

QFN

9ZXL0632EKILF

Renesas Technology Corp

QFN-40

9ZML1233EKILF

Renesas Technology Corp

QFN

9ZXL1930DKILF

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72-VFQFPN(10x10)