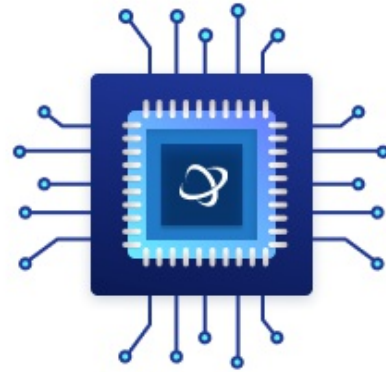


16-lane, 8 Gbps, PCIe 3.0 Retimer

Manufacturers	Renesas Technology Corp
Package/Case	
Product Type	Interface ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for 89HT0832PZCHLG8 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The IDT 89HT0832P 16-lane, 8Gbps PCIe 3.0 Retimer offers top analog performance, advanced digital processing and diagnostic features. It can correct total jitter (Rj and Dj), with operating parameters determined automatically by Link Equalization Procedure. The 89HT0832P is optimized for demanding 8Gbps applications in computing, storage, and communications.

Features

16-lane PCIe 3.0 signal Retimer

8.0Gbps per channel operation

Equalization procedure, phases 0,1,2,3

CTLE and DFE receiver equalization corrects Rj and Dj

Large swing transmitter supports boost, pre-shoot and de-emphasis

ASPM power savings - per lane

I2C master/slave & JTAG CSR interface

On-die scope, pattern generator/checker

89KTT0832P Evaluation Board available

Related Products



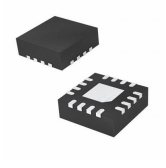
[1893CFLFT](#)

Renesas Technology Corp
SSOP48



[ISL8489EIBZ-T](#)

Renesas Technology Corp
SOP-14



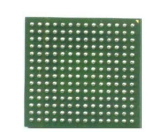
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Renesas Technology Corp
32-VFQFN



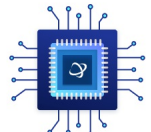
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Renesas Technology Corp
SSOP-48



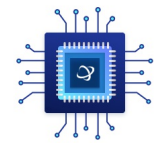
[89HT0816APZCBLG](#)

Renesas Technology Corp
196-BBGA, FCBGA



[P8911-Y0Z001FNG8](#)

Renesas Technology Corp



[P8911-Y0Z001FNG](#)

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