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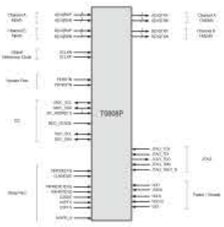
Specifications
Product Options
Documentation & Tools
Technical Support
Contact Sales

89HT0808P
PCIe Gen3 signal retimer

The IDT 89HT0808P 8-channel PCIe Gen3 Retimer offers the industry a blend of top analog performance, lower power, and the most system level features in signal retimers optimized for demanding 2.5Gbps, 5Gbps and 8Gbps applications in computing, storage, and communications.



Features

- 8 channel PCIe Gen3 signal retimer (4 PCIe Gen3 lanes)
- Advanced signal conditioning features
- Advanced diagnostic features
- Advanced power saving features
- Built-in mux/demux for Fail-Over support
- I2C programming interface
- Commercial and Industrial temperature

Product Specification

Channels (#)	Protocol	Data Rate Max (Gbps)	Pkg. Code	Pkg. Type	Length (mm)	Width (mm)	Temp. Grade
8	PCIe	8	ABG100, AB100	CABGA	9	9	I, C

Product Options

Orderable Part ID	Part Status	Pkg. Code	Pkg. Type	Lead Count (#)	Temp. Grade	Pb (Lead) Free	Order
89HT0808PZAAB	Active	AB100	CABGA	100	C	No	Check Inventory
89HT0808PZAAB8	Active	AB100	CABGA	100	C	No	Check Inventory
89HT0808PZAABG	Active	ABG100	CABGA	100	C	Yes	Check Inventory
89HT0808PZAABG8	Active	ABG100	CABGA	100	C	Yes	Check Inventory
89HT0808PZAABGI	Active	ABG100	CABGA	100	I	Yes	Check Inventory
89HT0808PZAABGI8	Active	ABG100	CABGA	100	I	Yes	Check Inventory
89HT0808PZAABI	Active	AB100	CABGA	100	I	No	Check Inventory
89HT0808PZAABI8	Active	AB100	CABGA	100	I	No	Check Inventory

Documents

	Title	Type	Format	File Size	Date
🔒	89HT0808P-Datasheet (Rev. YB)	Datasheet	PDF	409 KB	07/13/2012
🔒	89HT0808P Datasheet (Rev. ZA)	Datasheet	PDF	380 KB	05/31/2012
🔒	89HT0808P-ZA-device_errata_2011Dec2.pdf	Errata	PDF	104 KB	03/28/2012
🔒	89HT0808P Deivce Errata (Rev. YA)	Errata	PDF	95 KB	06/28/2012
🔒	89HT0808P Device User Manual	Manual	PDF	1.45 MB	07/17/2012
🔒	T0816P_T0808P_ZA_BERContourEye_1_01.zip	Misc	ZIP	19.14 MB	11/14/2011
🔒	89HT0808P BSDL (Rev. ZA)	Model - BSDL	TXT	13 KB	05/03/2012
🔒	89HT0808P BSDL (Rev. YA)	Model - BSDL	TXT	13 KB	07/01/2012
🔒	89HT0816P IBIS-AMI Models (Windows32 & Linux)	Model - IBIS	ZIP	11.65 MB	03/15/2012
	IDT PCI Express Solutions Overview	Overview	PDF	2.47 MB	09/14/2011
🔒	89HT0808P Evaluation Board Product Brief	Product Brief	PDF	1.54 MB	06/18/2012
🔒	89HT0808P Product Brief	Product Brief	PDF	163 KB	03/28/2012
	IDT Signal Integrity Products Family flyer	Product Brief	PDF	217 KB	11/10/2010

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