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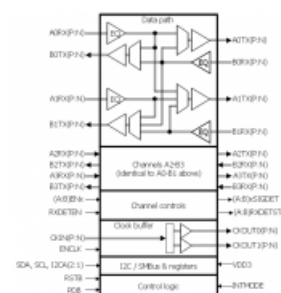


Product Quick Links

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The IDT 89HP0508P 8-channel PCIe Gen2 Repeater offers the industry a blend of top analog performance, lower power, and the most system level features in signal repeaters optimized for demanding 2.5Gbps to 5Gbps applications in computing, storage, and communications.

- 8 channel PCIe Gen2 signal repeater
- 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



Channels (#)	Protocol	Data Rate Max (Gbps)	Pkg. Code	Pkg. Type	Length (mm)	Width (mm)	Temp. Grade
8	PCIe	5	ABG100, AB100	CABGA	9	9	I, C

Orderable Part ID	Part Status	Pkg. Code	Pkg. Type	Lead Count (#)	Temp. Grade	Pb (Lead) Free	Order
89HP0508PZBAB	Active	AB100	CABGA	100	C	No	Check Inventory
89HP0508PZBAB8	Active	AB100	CABGA	100	C	No	Check Inventory
89HP0508PZBABG	Active	ABG100	CABGA	100	C	Yes	Check Inventory
89HP0508PZBABG8	Active	ABG100	CABGA	100	C	Yes	Check Inventory
89HP0508PZBABGI	Active	ABG100	CABGA	100	I	Yes	Check Inventory
89HP0508PZBABGI8	Active	ABG100	CABGA	100	I	Yes	Check Inventory
89HP0508PZBABI	Active	AB100	CABGA	100	I	No	Check Inventory
89HP0508PZBABI8	Active	AB100	CABGA	100	I	No	Check Inventory

	Title	Type	Format	File Size	Date
	89HP0508P Data Sheet	Datasheet	PDF	719 KB	02/28/2012

89HP0508P Device Errata (Revision ZB)	Errata	PDF	106 KB	08/15/2010
89HP0508P Device Errata (Revision ZA)	Errata	PDF	109 KB	05/20/2010
89EBP0508P Eval Board Layout Database - Fab # 18-697-001	Manual - Eval Board	ZIP	1.47 MB	08/13/2010
89EBP0508P Evaluation Board User Manual (Fab # 18-697-000)	Manual - Eval Board	PDF	1.99 MB	05/03/2010
IDT PCI Express Solutions Overview	Overview	PDF	2.47 MB	09/14/2011
IDT 89HP0508P Repeater Eval Board Product Brief	Product Brief	PDF	1.21 MB	06/08/2012
IDT Signal Integrity Products Family flyer	Product Brief	PDF	217 KB	11/10/2010
IDT 8-Channel 5Gbps PCIe® 2.1 Signal Repeater	Product Brief	PDF	456 KB	05/25/2011
89HP0508P Product Brief	Product Brief	PDF	91 KB	08/30/2010
89EBP0508P Eval Board Schematics - Fab # 18-697-001 (optimized for printing)	Schematic	PDF	1.33 MB	08/13/2010
89EBP0508P Eval Board OrCAD Schematics - Fab # 18-697-000	Schematic	ZIP	520 KB	06/04/2010
89EBP0508P Eval Board Schematics Cadence Database - Fab # 18-697-001	Schematic	ZIP	2.07 MB	08/13/2010
89EBP0508P Eval Board Schematics Cadence Database - Fab # 18-697-000	Schematic	ZIP	4.61 MB	05/12/2010
89EBP0508P Eval Board Schematics - Fab # 18-697-000 (layered for online viewing)	Schematic	PDF	4.01 MB	05/12/2010
89EBP0508P Eval Board Schematics - Fab # 18-697-000 (optimized for printing)	Schematic	PDF	1.54 MB	05/12/2010
89EBP0508P Eval Board Schematics - Fab # 18-697-001 (layered for online viewing)	Schematic	PDF	3.54 MB	08/13/2010

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