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89HP0608S

SAS/SATA Signal Repeater

The IDT 89HP0608S 8-channel SAS / SATA Repeater offers the industry a blend of top analog performance, lower power, and the most system level features in signal repeaters optimized for demanding 1.5Gbps to 6G applications in computing, storage, and communications.

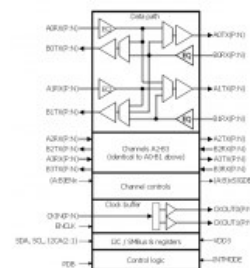
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Features

- 8 channel SAS / SATA 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



Product Specification

Channels (#)	Protocol	Data Rate Max (Gbps)	Pkg. Code	Pkg. Type	Length (mm)	Width (mm)	Temp. Grade
8	SAS/SATA	6	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	Carrier Type	Sample & Buy
89HP0608SZBAB	Active	AB100	CABGA	100	C	No	Tray	Check Availability
89HP0608SZBAB8	Active	AB100	CABGA	100	C	No	Reel	Check Availability
89HP0608SZBAG	Active	ABG100	CABGA	100	C	Yes	Tray	Check Availability
89HP0608SZBAG8	Active	ABG100	CABGA	100	C	Yes	Reel	Check Availability
89HP0608SZBAGI	Active	ABG100	CABGA	100	I	Yes	Tray	Check Availability
89HP0608SZBAGI8	Active	ABG100	CABGA	100	I	Yes	Reel	Check Availability
89HP0608SZBABI	Active	AB100	CABGA	100	I	No	Tray	Check Availability
89HP0608SZBABI8	Active	AB100	CABGA	100	I	No	Reel	Check Availability

Technical Documentation

	Title	Other Languages	Type	Format	File Size	Date
Datasheets & Errata						
	89HP0608S Device Errata (Revision ZB)		Errata	PDF	31 KB	Jan 27, 2016
	89HP0608S Data Sheet		Datasheet	PDF	1.53 MB	Aug 1, 2013
Apps Notes & White Papers						
	EEPROM Operation with IDT Data Repeaters		Application Note	PDF	668 KB	Apr 27, 2015

	Title	Other Languages	Type	Format	File Size	Date▼
	IDT Products for Radio Applications	日本語	Product Brief	PDF	4.65 MB	Aug 12, 2015
	IDT 89HP0608S 1.5Gbps to 6Gbps SAS/SATA Signal Repeater product brief		Product Brief	PDF	401 KB	Jan 30, 2012
	IDT Signal Integrity Products Family Flyer		Product Brief	PDF	217 KB	Nov 10, 2010

Software & Tools

	Title	Type	Format	File Size	Date▼
	IDT Signal Manager Software for Signal Repeaters (Rev 1.70)	Software Tool	ZIP	8.66 MB	Sep 4, 2016

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