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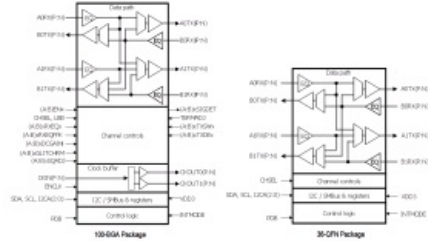
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89HP0604S SAS/SATA Signal Repeater

The IDT 89HP0604S 4- 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.

Features

- 4 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
4	SAS/SATA	6	NRG36, AB100, ABG100	VFQFPN, CABGA	4, 9	7.5, 9	C, I

Product Options

Orderable Part ID	Part Status	Pkg. Code	Pkg. Type	Lead Count (#)	Temp. Grade	Pb (Lead) Free	Carrier Type	Sample & Buy
89HP0604SZBAB	Active	AB100	CABGA	100	C	No	TRAY	Check Availability 
89HP0604SZBAB8	Active	AB100	CABGA	100	C	No	Reel	Check Availability 
89HP0604SZBABG	Active	ABG100	CABGA	100	C	Yes	TRAY	Check Availability 
89HP0604SZBABG8	Active	ABG100	CABGA	100	C	Yes	Reel	Check Availability 
89HP0604SZBABGI	Active	ABG100	CABGA	100	I	Yes	TRAY	Check Availability 
89HP0604SZBABGI8	Active	ABG100	CABGA	100	I	Yes	Reel	Check Availability 
89HP0604SZBABI	Active	AB100	CABGA	100	I	No	TRAY	Check Availability 
89HP0604SZBABI8	Active	AB100	CABGA	100	I	No	Reel	Check Availability 
89HP0604SZBNRG	Active	NRG36	VFQFPN	36	C	Yes	TRAY	Check Availability 
89HP0604SZBNRG8	Active	NRG36	VFQFPN	36	C	Yes	Reel	Check Availability 
89HP0604SZBNRGI	Active	NRG36	VFQFPN	36	I	Yes	TRAY	Check Availability 
89HP0604SZBNRG18	Active	NRG36	VFQFPN	36	I	Yes	Reel	Check Availability 

Documents

	Title	Type 	Format	File Size	Date
	89HP0604S Data Sheet	Datasheet	PDF	1.61 MB	08/01/2013
	89HP0604S Device Errata (Revision ZA)	Errata	PDF	107 KB	05/20/2010
	89HP0604S Device Errata (Revision ZB)	Errata	PDF	102 KB	08/15/2010
	89EBP0604S (36QFN) SATA Evaluation Board User Manual	Manual - Eval Board	PDF	1.99 MB	02/01/2011
	IDT Signal Integrity Products Family Flyer	Product Brief	PDF	217 KB	11/10/2010
	89HP0604S Product Brief	Product Brief	PDF	111 KB	08/30/2010
	IDT 4-Channel, 6Gbps SAS, SATASignal Repeater	Product Brief	PDF	352 KB	05/25/2011
	89EBP0604S Eval Board Schematics - Fab # 18-703-000 (optimized for printing)	Schematic	PDF	508 KB	08/31/2010
	89EBP0604S Eval Board Schematics - Fab # 18-703-000 (layered for online viewing)	Schematic	PDF	1.27 MB	08/31/2010
	IDT Signal Manager Software for Signal Repeaters Rev. 1.56	Software Tool	ZIP	45.59 MB	06/10/2013

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