

Marvell 88SA8052 PATA to SATA Bridge

3Gb/s SATA, 150MB/s PATA

PRODUCT OVERVIEW

The Marvell® 88SA8052 Parallel ATA (PATA) to Serial ATA (SATA) bridge can:

- a) Connect a SATA device to a PATA host, or
- b) Connect a PATA device to a SATA host

Thus the 88SA8052 is invaluable when there is a need to connect a newer device to an older system, or connecting an older device to a newer system.

The device supports up to 3Gb/s SATA and up to 150MB/s PATA, with full compliance to both standards.

BLOCK DIAGRAM

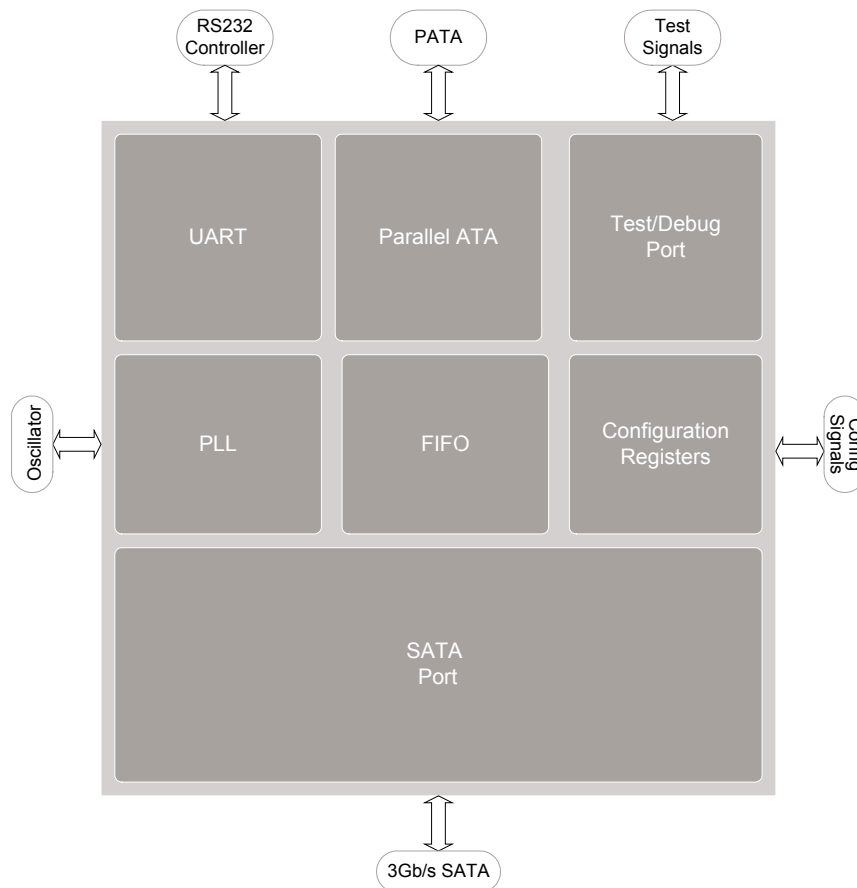


Fig 1. Marvell 88SA8052 PATA to SATA Bridge

BENEFITS AND FEATURES

KEY BENEFITS	KEY FEATURES
<ul style="list-style-type: none"> SATA Port 	<ul style="list-style-type: none"> 3Gb/s SATA SATA hot plug SATA 2.6 compatible
<ul style="list-style-type: none"> PATA Port 	<ul style="list-style-type: none"> ATA/ATAPI Ultra DMA mode to 150MB/s ATA/ATAPI PIO ATA/ATAPI-7 streaming mode
<ul style="list-style-type: none"> Test/Debug 	<ul style="list-style-type: none"> High speed UART for debug assist
<ul style="list-style-type: none"> Package 	<ul style="list-style-type: none"> 64 pin QFN

TARGET APPLICATIONS

- Personal computers
- Host/devices with SATA or PATA interfaces

THE MARVELL ADVANTAGE: Marvell chipsets come with complete reference designs which include board layout designs, software, manufacturing diagnostic tools, documentation, and other items to assist customers with product evaluation and production. Marvell's worldwide field application engineers collaborate closely with end customers to develop and deliver new leading-edge products for quick time-to-market. Marvell utilizes world-leading semiconductor foundry and packaging services to reliably deliver high-volume and low-cost total solutions.

ABOUT MARVELL: Marvell Marvell (NASDAQ: MRVL) is a global leader in providing complete silicon solutions enabling the digital connected lifestyle. From mobile communications to storage, Internet of Things (IoT), cloud infrastructure, digital entertainment and in-home content delivery, Marvell's diverse product portfolio aligns complete platform designs with industry-leading performance, security, reliability and efficiency. At the core of the world's most powerful consumer, network and enterprise systems, Marvell empowers partners and their customers to always stand at the forefront of innovation, performance and mass appeal. By providing people around the world with mobility and ease of access to services adding value to their social, private and work lives, Marvell is committed to enhancing the human experience. As used in this release, the term "Marvell" refers to Marvell Technology Group Ltd. and its subsidiaries. For more information, please visit www.Marvell.com.



Marvell Semiconductor, Inc.

5488 Marvell Lane
Santa Clara, CA 95054

Phone 408.222.2500
www.marvell.com