

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

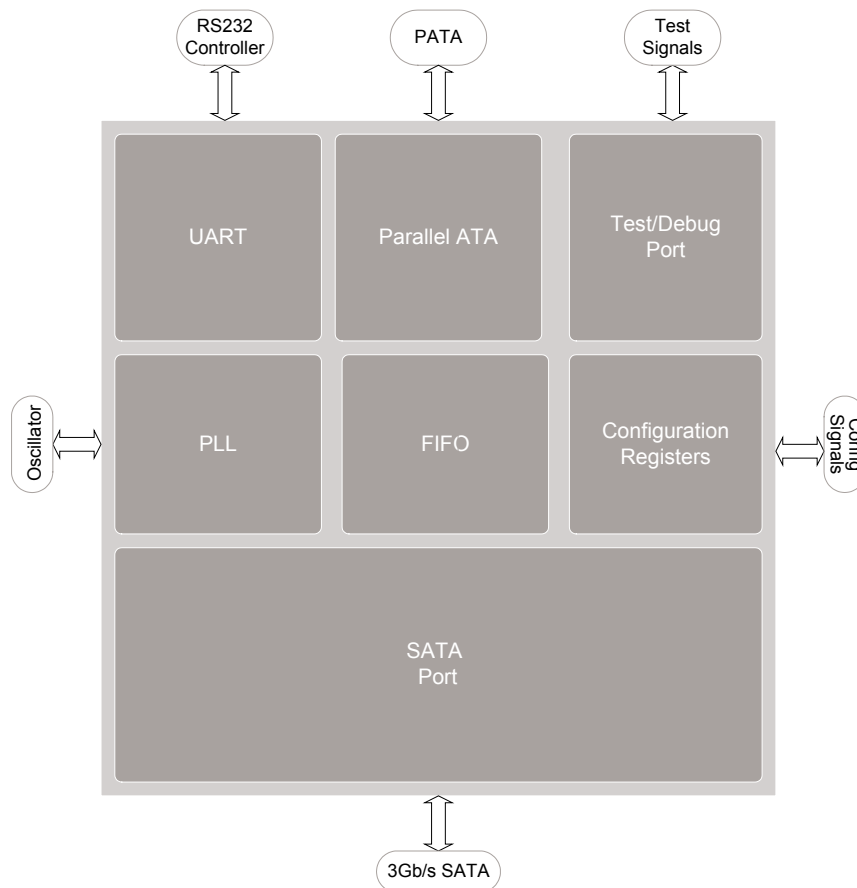


Fig 1. Marvell 88SA8052 PATA to SATA Bridge

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

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