



UNMANAGED REFERENCE DESIGN

FEATURES

- **BCM953101R**
 - Unmanaged Fast Ethernet (FE) switches
 - Discrete magnetics for low-cost design
 - EEPROM for configuration—jumbo frame
 - Small form factor for low-cost design
 - 65 nm technology

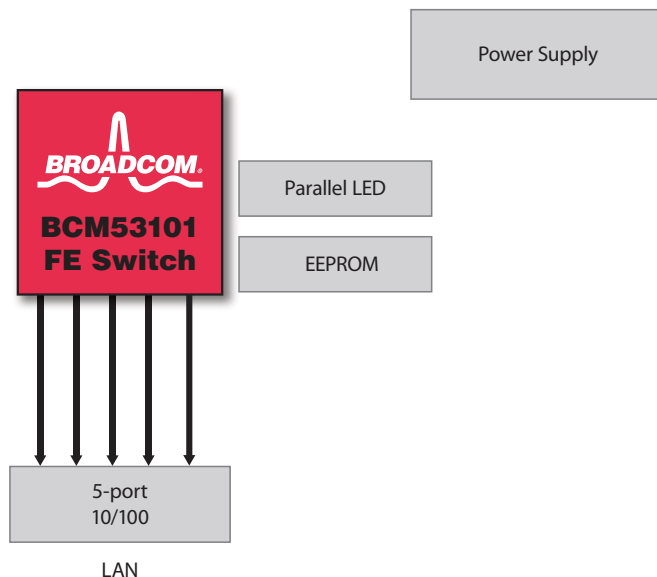
SUMMARY OF BENEFITS

- **Industry-leading 5-port FE switch**
- **Third-generation Broadcom switch with Ethernet AV function**
 - Guaranteed latency
 - Guaranteed bandwidth
 - Synchronous timing
- **Lowest power consumption in the industry**
- **Two-layer board for unmanaged:**
 - EEPROM for low-cost configuration (unmanaged)
 - Low-cost components for the most cost-effective designs
- **Line-rate port switching performance, including jumbo frames**

BCM953101R (Front and Rear Views)



OVERVIEW



BCM953101R Reference Board Block Diagram

Developing Your Switch

The BCM953101R is the most integrated and lowest cost solution for 5-port FE unmanaged switches.

Documentation and Software

Documentation for the BCM53101 device and reference design are available online through docSAFE.

The documents available include:

- Schematics, Allegro®, Gerber layout, Electromagnetic Interference (EMI) test reports

- Reference design user manual
- BCM53101 data sheet
- Application notes, including BroadSync™ HD introduction and usage

Ordering Information

- BCM953101R—5-port FE, unmanaged

For additional ordering information for the BCM953101R reference design, contact your local sales representative.

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