BROADCOM®

Connecting
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BCM94201
PRODUCT Brief

BCM94201 SATELLITE RECEIVER EVALUATION SYSTEM

BCM94201 FEATURES

- Reference design based on the Broadcom BCM4201 universal satellite receiver
- BCM3440 CMOS satellite tuner
- Standard MPEG-2 output in DIRECTV® or DVB format
- 25-pin output connector with on-board line drivers
- I^{2}C bus interface to PC parallel port for system control
- On-chip Bit Error Rate Tester (BERT) to simplify lab tests
- Glueless interface to external BERT
- Low-power operation
- Low Noise Block (LNB) control
- Easy to use Broadband Studio Software provided for system evaluation

SUMMARY OF BENEFITS

- The BCM94201 demonstrates the operation of the BCM4201 satellite receiver using the BCM3440 CMOS tuner
- Fully-compliant with DIRECTV®, Digicipher™ II and DVB specifications
- Simplified design is optimized to provide the lowest cost tuner/receiver front-end combination
- Highly integrated system software enables evaluation of all operating modes and data rates
- Supports full 2–85 Mbps, BCM4201 operation
- Complete reference design documentation support package provided including Broadband Studio Software
- I^{2}C bus interface card operates with standard IBM compatible computers
- The system provides a performance benchmark for application design and software development

BCM94201 Satellite Receiver Evaluation System Reference Design