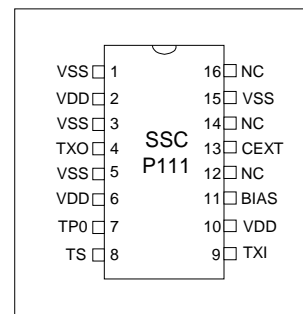


SSC P111

PL Media Interface IC, CEBus Compliant

Features

- Integrates Power Amplifier, and Tri-state functions for CEBus Power Line (PL) physical interfaces
- Replaces approximately 30 discrete components to save board space and increase reliability
- Implements high-drive Output Amplifier (6 Vp-p into 10 ohm load) to increase performance under low impedance conditions
- Output Amplifier is a Class AB configuration for increased efficiency and lower power consumption
- Incorporates built-in over temperature protection circuit for improved system reliability
- Serves as companion IC to Intellon SSC P300 and SSC P200 Network Controller ICs
- 16 pin SOIC package



Introduction

The SSC P111 PL Media Interface IC provides the functions of Output Power Amplifier and Output Tri-state Switch for power line transceiver products. The Output Power Amplifier meets the requirements specified by the EIA-600 (CEBus Standard) for output voltage levels into typical and low impedance power line loads and incorporates over-temperature protection for improved system reliability. The IC replaces approximately 30 of the discrete components normally used in support of PL transceivers and reduces required printed circuit board area by up to 50%.

SSC P111 Block Diagram

