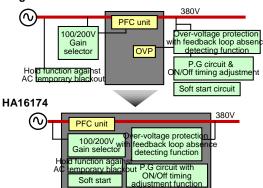
# Renesas PFC Control IC for Digital-TV HA16174

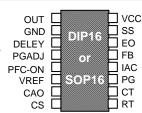
### 🛢 Features

#### High reliability by all required functions integrating

- 1. Continuous conduction mode suitable for the system with a large amount and frequency of a current change.
- 2. ON/OFF support of the main converter and the load by a PG signal and a hold function.
- 3. Hold function against an AC temporary blackout
- 4. Over-voltage protection with a feedback loop absence detecting function
- 5. Quick soft-start
- 6. Improvement of the load regulation by a Gm amplifier

#### Single-function PFC control IC





RENESAS

April 2010

## Example of Application Circuit

#### Small and high reliability system

•The HA16174 stabilizes the over-current control of PFC unit and sets the S/S ineffective time by a hold function in time of an AC temporary blackout. •The HA16163 makes up a full bridge and achieves small and high efficiency trances.

