

## Product Summary

The W83687THG is a general purpose input/output IC with SMBus™ (I2C). The W83687THG provides 15 GPI/O pins. The W83687THG provides SMBus™ (I2C) address setting pins to set the address during power-on reset or from external reset. The W83687THG also provides an interrupt to inform the system that a transition occurs on General Purpose (GP) input pins.

## Parametrics

W83687THG absolute maximum ratings: (1) Power Supply Voltage: 0.5- to 7.0 V; (2) Input Voltage: 0.5- to VDD0.5+ V; (3) Operating Temperature: 0 to 70+ °C; (4) Storage Temperature: 55- to 150+ °C; (5) Input High Leakage ILIH: 10+  $\mu$ A VIN = VDD; (6) Input Low Leakage ILIL: 10-  $\mu$ A VIN = 0V.

## Features

W83687THG features: (1) SMBus compliance with 3.3V voltage levels; (2) Two GPI/O ports which provides more flexibility; (3) Issue interrupts to notify the system that an event occurs; (4) GP output can be level or pulse mode; (5) Interrupt output can be in the level or pulse mode; (6) Internal power-on reset or external RST# pin reset; (7) Programmable POWER LED output.

## Diagrams

