

THV1023

2ch Buck Controller

General Description

THine's new 2ch Buck controller enables simple & low cost multi-channel power supply system design.

Both of the Ch-1 and Ch-2 have standard PWM controller function and are designed to make phase compensation easy for output ceramic capacitors.

SS_1,2 and SCP pins help to design user defined soft start time, and timer latch delay time. Utilizing those pins and P_GOOD2 the ensured sequence control can be easily set and linked to the external circuit.

This IC is suitable for power supply system for TV/monitor set, and general equipment.

Features

- TSSOP 16Pin package
- Input Voltage range : 4.2 to 24.0V
- Push Pull output for direct Power Mos driving
- Optimized for Ceramic output capacitor
- Complete PWM mode controller
- Adjustable switching frequency 200kHz to 1MHz by external resister
- Timer Latch Protection
- SystemUVLO Function
- Adjustable Soft Start time by external capacitor
- Adjustable Timer Latch Delay time by external capacitor
- Ch-1 and Ch-2 are fixed Buck controller

Applications

- TFT LCD Bias power supply
- TV/monitor set
- General equipment

Pin Assignment

