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THV1023

2ch Buck Controller

General Description

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

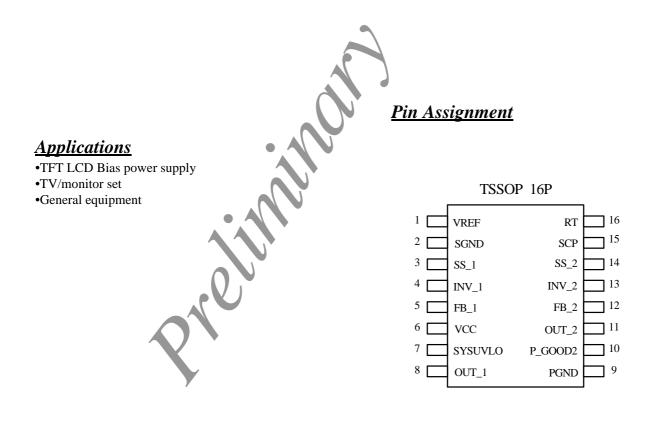
Both of the Ch-1 and Ch-2 have standard PWM controller function and are designed to make phase compensation easy for output ceramic capacitors.

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.

<u>Features</u>

- •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 200kH 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



THine Electronics, Inc.