

Current Mode PWM Controller -0.1V to 11V 1A 500kHz 8-Pin PDIP Tube



Images are for reference only

[Inquiry](#)

Manufacturer: [Texas Instruments, Inc](#)

Package/Case: DIP

Product Type: Power Management ICs

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active

General Description

The UCx84xA family of control devices is a pin-for-pin compatible improved version of the UCx84x family. Providing the necessary features to control current-mode or switched-mode powersupplies, this family of devices has many improved features: startup current is less than 0.5 mA, oscillator discharge is trimmed to 8.3 mA, and during UVLO, the output stage can sink at least 10mA at less than 1.2 V for VCC over 5 V.

Key Features

Optimized for Off-Line and DC-DC Converters

Low Start-Up Current (< 0.5 mA)

Trimmed Oscillator Discharge Current

Automatic Feedforward Compensation

Pulse-by-Pulse Current Limiting

Enhanced Load Response Characteristics

Undervoltage Lockout With Hysteresis

Double Pulse Suppression

High-Current Totem Pole Output

Internally-Trimmed Bandgap Reference

Up to 500-kHz Operation

Create a Custom Design Using the UCx84xA With the WEBENCH[®] Power Designer

All trademarks are the property of their respective owners.

Description

The UCx84xA family of control devices is a pin-for-pin compatible improved version of the UCx84x family. Providing the necessary features to control current-mode or switched-mode powersupplies, this family of devices has many improved features: startup current is less than 0.5 mA, oscillator discharge is trimmed to 8.3 mA, and during UVLO, the output stage can sink at least 10mA at less than 1.2 V for VCC over 5V.

Recommended For You

UCC28064ADR

Texas Instruments, Inc
SOP16

UC3637N

Texas Instruments, Inc
DIP-18

UCC27517DBVR

Texas Instruments, Inc
SOT23-5

UCC2946TPWRQ1

Texas Instruments, Inc
TSSOP8

UCC28730QDRQ1

Texas Instruments, Inc
SOP7

UCC21222QDRQ1

Texas Instruments, Inc
SOP16

UCD9090QRGZRQ1

Texas Instruments, Inc
VQFN-48

UCC27531QDBVRQ1

Texas Instruments, Inc
SOT23-6

UCC27511AQDBVRQ1

Texas Instruments, Inc
SOT23-6

UCC2803QDRQ1

Texas Instruments, Inc
SOP8

UCC28951QPWRQ1

Texas Instruments, Inc
TSSOP24

UCC21320QDWKRQ1

Texas Instruments, Inc
SOIC-14

UCC27322QDGNRQ1

Texas Instruments, Inc
HVSSOP-8

UCC28950QPWRQ1

Texas Instruments, Inc
TSSOP24

UCC2808AQDR-2Q1

Texas Instruments, Inc
SOP8