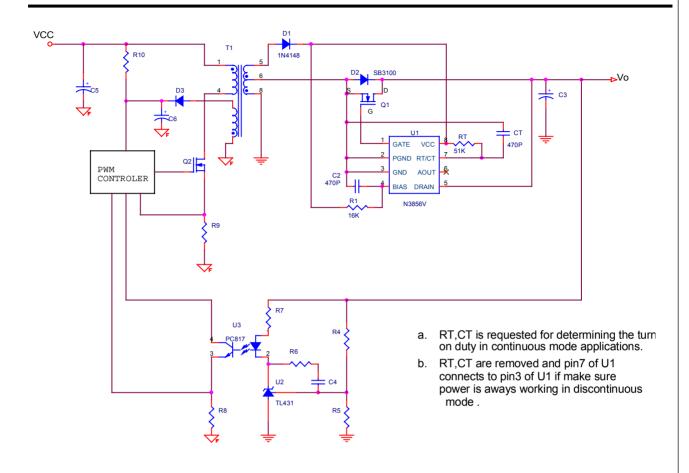
NIKO-SEM

Synchronous Rectification Controller

N3856V SOP- 8



Schematic 1 Non-synchronous signal type with AUX winding application

Schematic 1 is a non-synchronous signal type with AUX winding application , the AUX winding is designed to provide the supply voltage about $10V \sim 15V$, the supply voltage via the diode D1 to VCC of the U1 without any capacitor .

In the continous mode, to change the values of the external resistor RT and capacitor CT that can set the fixed maximum turn-on duty for the synchronous rectification MOSFET.

In the discontinous mode , current detect pin5 can sense the voltage drop of the MOSFET , if it is under 20mV ,this IC will turn off the MOSFET .

REV:2

JAN-20-2004