

Ultra-small DC-DC 0.8-3.3V to DC 3.3V Step UP Boost PFM Voltage Converter Power Supply Module DC/DC 1.5V 2V 2.5V 3V for DUE FPGA

Description:

Input voltage 0.8 ~ 3.3V,output 3.3V

Maximum output current: 500 MA,

Start Voltage 0.8V, Output Current 8MA

INPUT 1-1.5V,      OUTPUT 3.3V 50-110MA;  
INPUT 1.5-2V,      OUTPUT 3.3V 110-160MA;  
INPUT 2-3V,         OUTPUT 3.3V 160-400MA;  
INPUT above 3V,    OUTPUT 3.3V 400-500MA;

DC-DC Boost module working frequency 150KHZ. efficiency is normal 85% .

2.54mm pin pitch.

Excluding Pin Size 11mm x 10.5mm x 7.5mm(Very small).

Weight : about 1g( Very light)

Applications:

Battery powered equipment

Wireless Module,NRF24L01 CC1101 CC2500 etc.

Development Board,FPGA/CPLD STM32

Camera, Video camera

VCR

PDA

LED Lighting

Wireless communication equipment

MP3/MP4 player

Audio equipment

Attention :

This is a DC-DC voltage converter module, Must be noted when using:

1 Input voltage can not be greater than the maximum input range

2 Output power can not be greater than the maximum load for a long time

3 Input power must be greater than the output power, because the power consumption of the module itself

Q & A:

Q : Why output voltage is less than the nominal voltage

A : Input power supply power is too low. Test the input voltage with a multimeter, a t this time of the input voltage is very low

