

Switching Regulator with Built-in Inductor / MOSFET

Part No. NC2700MA (20A) / NC2701MA (10A) / NC2702MA (6A)

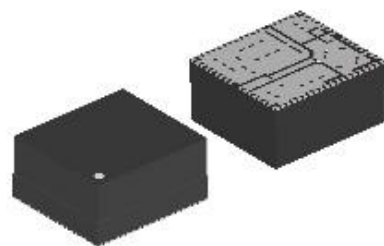
Features

- High performance, high input voltage rating, and high reliability
Switching Regulator with built-in inductor enables Max.20A.
- Small size / high heat dissipation reduces mounting area
compared to discrete.

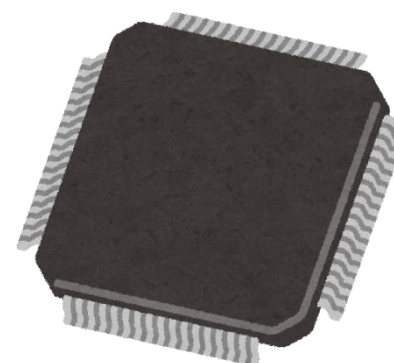
Key Specifications

Input Voltage Range : 4.0 V to 28 V
Operating Temperature Range : -40°C to 85°C
Output Current : NC2700MA;20A / NC2701MA;10A / NC2702MA;6A
Output Voltage Range : Externally-adjustable at 0.7 V to 5.3 V
Feedback Voltage Accuracy : 0.64 V $\pm$ 1%
Oscillator Frequency : 250 kHz to 1 MHz

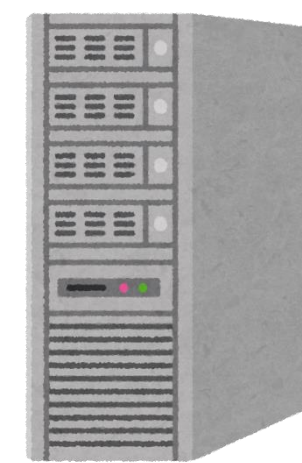
PKG : QFN-0910-65-MA
 Size : 10.0 x 9.0 x 4.8 mm



Applications



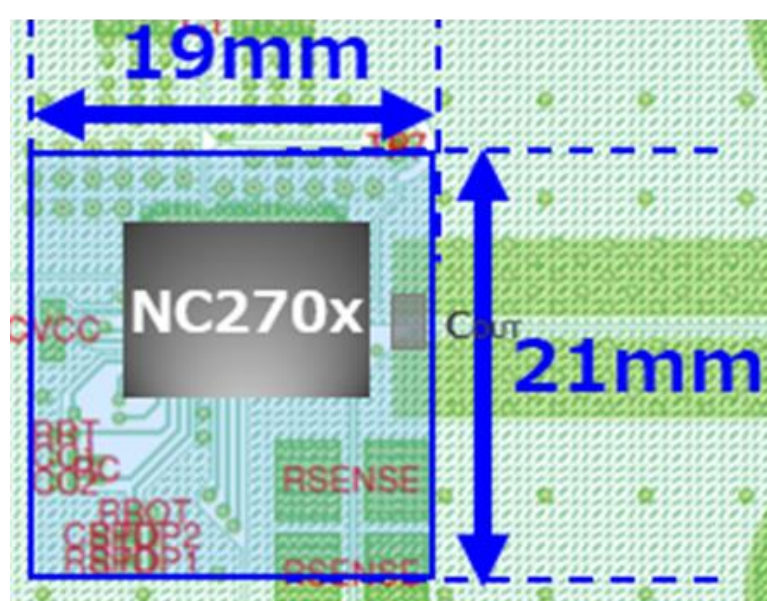
POL converter for FPGA



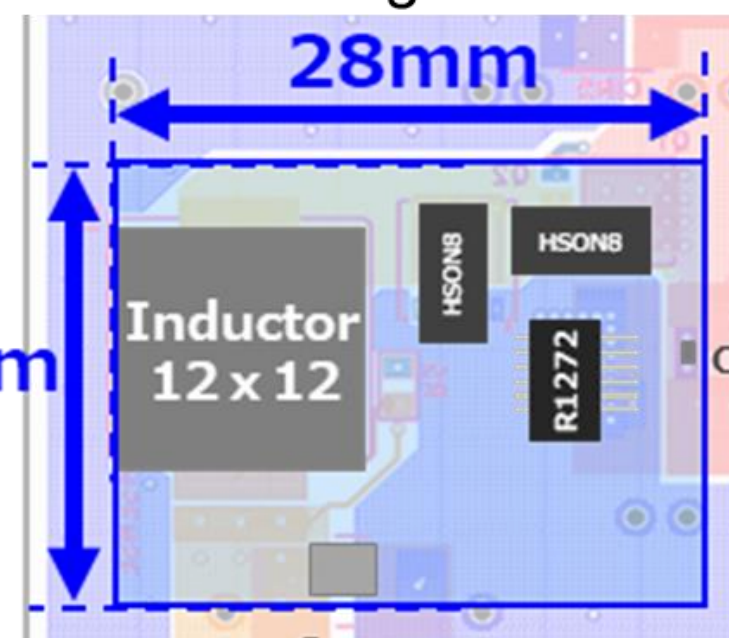
Network server
etc...

Technical Advantage

■ TOP View



● Discrete configuration example



38%
Size DOWN!

Nisshinbo Micro Devices Inc.