

Server

Set product trend

- Higher performance of CPU
→ CPU high-speed drive
- Larger capacity of DDR memory
- Slim design (1U)
- 2 Way/4 Way design
- Low consumption power design

Power circuit trend

- Increased load current

- (1) CPU core power source (1.2 V/100 A)
- (2) DDR power source (1.5 V/ - 48 A)
- (3) System power source (2 V max.)
- (4) Removal of power input noise (12 V)

Capacitor Required specifications

Low ESR

Small

Low profile

High withstand voltage

Features of recommended products

SP-Cap

- Ultra-low ESR (3 mΩ -)
- Low profile (1-2 mm)



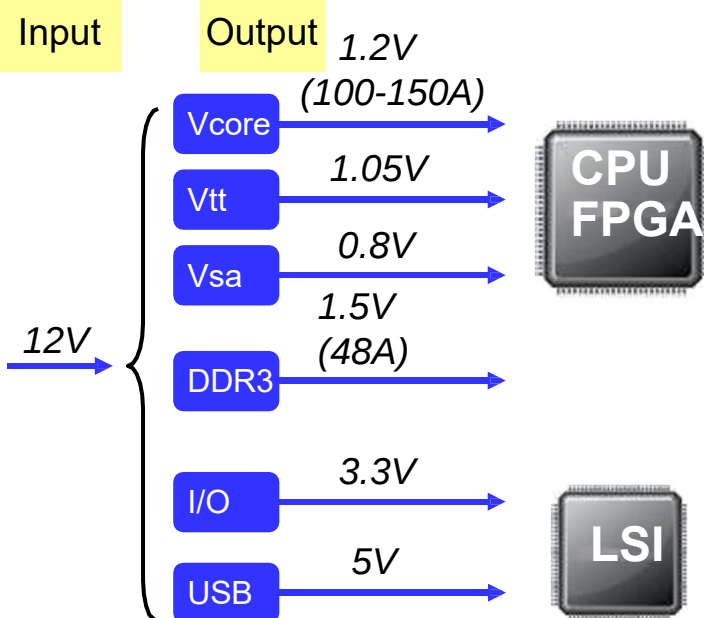
POSCAP

- Low ESR (5 mΩ -)
- Downsizing (3.5x2.8 mm)



Input

Output



	SP-Cap	POSCAP
CPU	2V470uF 3-6 mΩ/Dsize	2.5V270uF 6 mΩ/Bsize
DDR3	2V470uF 3-6 mΩ/Dsize	2.5V330uF 9 mΩ/Bsize
System (2V max.)	2V470uF 3-6 mΩ/Dsize	2.5V330uF 15 mΩ/Bsize
I/O USB	6.3V220uF 15 mΩ/Dsize	6.3V220uF 25 mΩ/Bsize
USB (5V)	-	16V100uF 50 mΩ/Dsize