



AOZ2221QI/AOZ2223QI – 36V, 4A/8A Constant On-Time Buck Converters

AOS releases the latest Constant On-Time Buck Converters - AOZ2221QI and AOZ2223QI which support up to 36V high-voltage input and 4A/8A output capability with a 0.8V to 16V output voltage range. Ideal for factory automation, industrial computing modules, all-in-one systems, POS machines, consumer and commercial printer applications. AOZ2221QI and AOZ2223QI deliver fast transient response in QFN4x4 for compact system design.



36V, 4A/8A
Constant
On-Time Buck
Converters

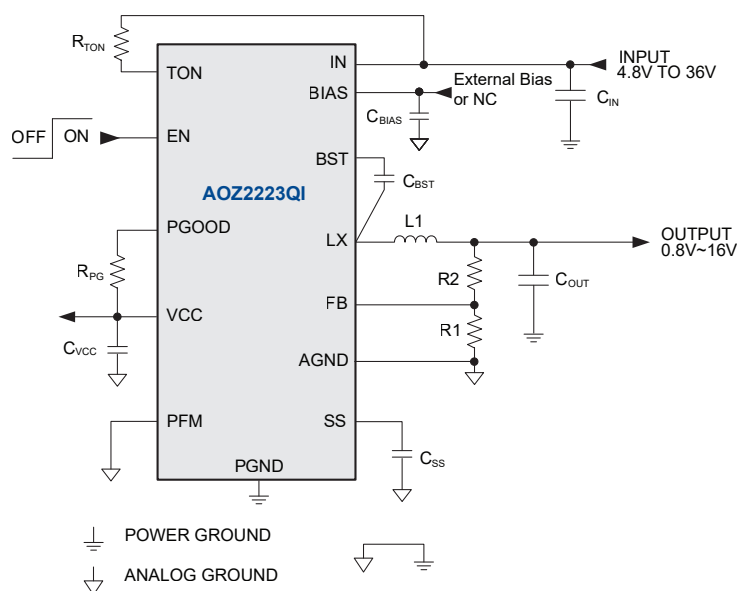


Features

- Wide input voltage range: 4.8V to 36V
- 4A/8A continuous output current
- Output voltage adjustable from 0.8V to 16V
- Low $R_{DS(ON)}$ internal NFETs
- Adjustable soft start
- Power Good output
- Ceramic capacitor stable
- OCP/OVP/SCP
- Thermal shutdown
- Thermally enhanced 23 pin QFN4x4

Applications

- General purpose wide V_{IN} applications
- Industrial distributed power applications
- 12V and 24V industrial and communications power systems
- USB dedicated charging ports
- Industrial automation and motor control
- Point of load DC/DC converters



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Alpha and Omega Semiconductor Limited, or AOS, is a designer, developer and global supplier of a broad range of discrete power devices, wide band gap power devices, power management ICs and modules. AOS's products are aimed at, but not limited to applications such as portable computers, flat panel TVs, LED lighting, smart phones, battery backs, consumer and industrial motor controls, automotive electronics, and power supplies for TVs, computers, servers and telecommunication equipment.



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