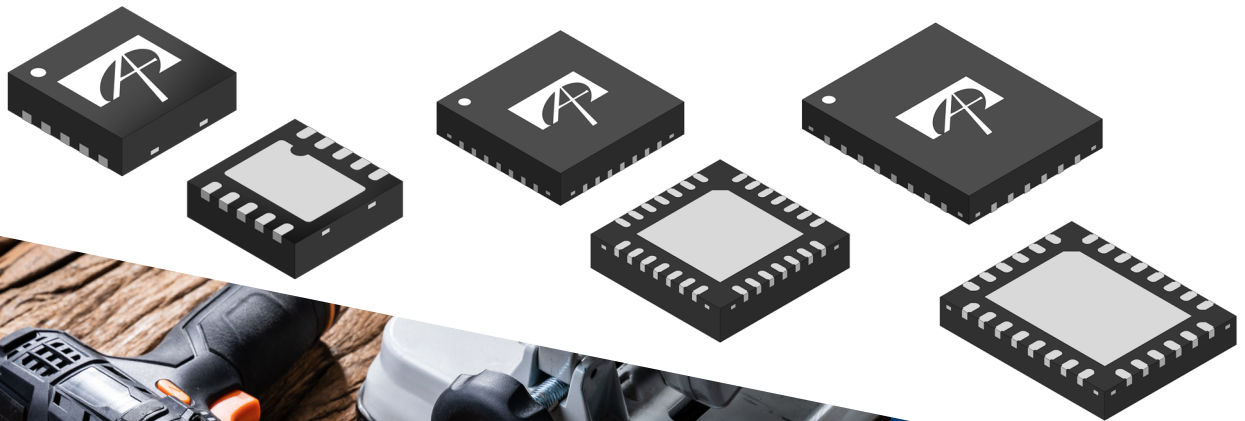




# Motor Driver IC for BLDC Motor

AOS introduces new driver IC product family for Brushless DC Motor (BLDC) control applications.

- The new High Voltage Driver IC supports a wide range of input voltages in a compact QFN/DFN package
- Superior driving ability, programmable dead time, and sleep mode support deliver high motor operation efficiency
- Low standby power consumption, hence greatly increasing the battery life of cordless power tools and e-mobility



PICs | Driver IC  
for BLDC Motor

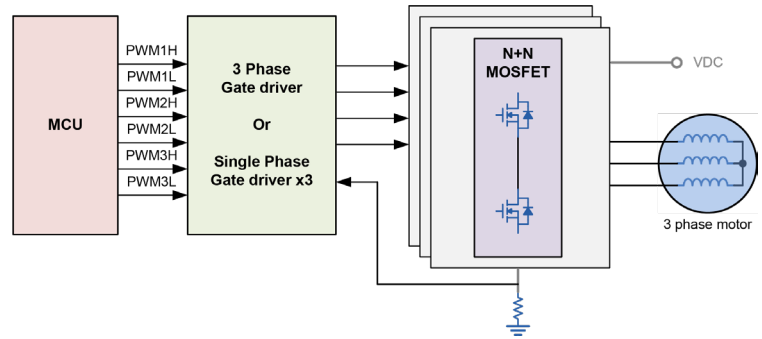


## Features

- Integrated Bootstrap Diode
- 0.8A Source and 1A Sink Current Capability at least
- Integrated Current Sense Amplifier to Feedback Total Current
- Adjustable Dead-Time Control
- Sleep Mode for Power Saving
- Fault Indication Output
- Thermal Shutdown and VDD UVLO Protection

## Applications

- Brushless DC Motors
- Fans and Pumps
- Power Tools
- E-Bike and E-Scooter



Part Number	Topology	Package	Max VIN (V)	Driving Source/Sink Current (A)	Self Powered	Current Sense	OCP	Adjustable Dead Time	Fault Indication
AOZ32103MQV	3-Phase	QFN5x4_28	100	0.8/1	No	Yes	No	Yes	Yes
AOZ32103MQV-06	3-Phase	QFN5x4_28	60	0.8/1	No	Yes	No	Yes	Yes
AOZ32063MQV	3-Phase	QFN4x4_28	60	0.8/1	Yes	No	Yes	Yes	Yes
AOZ32101MDV	Half-Bridge	DFN3x3_10	100	1.5/2.5	No	No	No	No	No



## AOS SALES OFFICES

### UNITED STATES

475 Oakmead Pkwy  
Sunnyvale, CA 94085  
Phone: +1 (408) 830-9742  
Email: [Inquiries@aosmd.com](mailto:Inquiries@aosmd.com)

### EUROPE

Phone: +49 7941 9039988  
Email: [AOSEurope@aosmd.com](mailto:AOSEurope@aosmd.com)

### JAPAN

16F Yurakucho Itocia  
Office Tower  
2-7-1 Yurakucho, Chiyoda-ku  
Tokyo 100-0006  
Phone: +81 (3) 6826-1401  
Email: [AOSJapan@aosmd.com](mailto:AOSJapan@aosmd.com)

### SOUTH KOREA

10th Floor, Bandi Building  
Bongeunsa-ro 114  
Gangnam-gu  
Seoul 135-907  
Phone: +82 (2) 557-8501  
Email: [AOSKorea@aosmd.com](mailto:AOSKorea@aosmd.com)

### TAIWAN

9/F, No. 292 Yangguang Street  
Neihu District  
Taipei City 11491  
Phone: +886 (2) 8751-5616  
Email: [AOSTaiwan@aosmd.com](mailto:AOSTaiwan@aosmd.com)

### HONG KONG

Room 701, Tesbury Center  
28 Queen's Road East  
Wanchai  
Phone: +86 (755) 8351-7733  
Email: [AOSChina@aosmd.com](mailto:AOSChina@aosmd.com)

### CHINA

#### SHENZHEN

East 8/F, Matsunichi Building  
#9996 Shennan Blvd.  
Shenzhen 518057  
Phone: +86 (755) 8351-7733  
Email: [AOSChina@aosmd.com](mailto:AOSChina@aosmd.com)

#### SHANGHAI

Room 602-603  
Central Park Jing'an  
329 Hengfeng Road  
Jing'an District  
Shanghai 200070  
Phone: +86 (21) 6353-3218  
Email: [AOSChina@aosmd.com](mailto:AOSChina@aosmd.com)

To contact any of our sales partners worldwide, please visit our website at: [www.aosmd.com/contact](http://www.aosmd.com/contact)

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