



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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## BLDC-GEVK: BLDC Motor Driver Shield Evaluation Kit

The BLDC-GEVK evaluates the LV8907, a high performance, sensor-less three-phase BLDC motor controller with integrated gate drivers for driving external N-MOSFETs. An on-chip two-stage charge pump provides required gate current for a wide range of ultra low RDS(ON) type external N-MOSFETs. The device offers a rich set of system protection and diagnostic functions such as over-current, over-voltage, short-circuit, under-voltage, over-temperature and many more. It supports open-loop as well as closed-loop speed control with user configurable startup, speed setting and proportional/integral (PI) control coefficients, making it suitable for a wide range of motor and load combinations. With an in-built linear regulator for powering an external circuit, a watchdog timer and a Local Interconnect Network (LIN) transceiver, the LV8907 offers the smallest system solution footprint. An SPI interface is provided for parameter setting and monitoring the system health and utilized through the PCA9655E's 16 bits of General Purpose parallel Input and Output (GPIO) expansion.



BLDC-GEVK	Active	Pb-free	BLDC Motor Driver Shield Evaluation Kit
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