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M09000

LED Driver and PMIC for TI DLP®/LCoS displays in QFN package
The M09000 is a highly integrated, high efficiency driver and power management IC designed for LCoS/TI DLP® enabled displays. It provides three SPI or I2C programmable 1.2A LED/laser drivers with >90% efficient buck-boost converter, power management functionalities, including high voltage generators for DMD and LCoS panels. All of these functions are supported while operating from a single Li-Ion cell or 5V adapter. Note: DLP is a registered trademark of Texas Instruments

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Features

- Three programmable 1.2A common anode LED/laser drivers

- Li Battery and 5V adapter operation
- Support for both I2C and SPI interface
- Monitor and fault protection features
- Accurate LCoS and DLP panel bias generators
- 1.8 V and programmable 1.0/1.1/1.2V Buck converters and 3.3/2.5V LDO regulator
- Integrated highly efficient buck-boost converter
- Current resolution down to 50uA
- QFN package

Applications

- Head-up and Head mounted displays
- High current laser/LED systems
- LCD/LCoS/DLP portable and embedded pico projectors
- Multicolor LED/laser displays

Specifications

- Number of Channels: 3

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Part Number	Package	MACOM	
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M09000G-12P 1.2A 3CH LED dvr w/ DCDC for emb PicoP	5X5MM QFN-40LD		Inquire
M09000G-13P 1.2A 3CH LED dvr w/ DCDC for emb PicoP	5X5MM QFN-40LD		Inquire

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