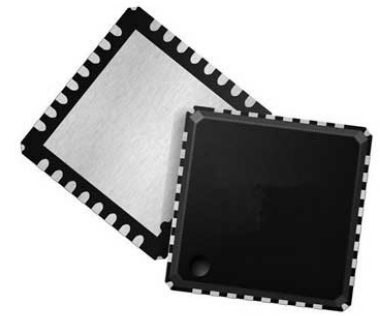


## Triple Half Bridge Motor Controller 3.3V 32-Pin QFN EP Tray



Images are for reference only

[Inquiry](#)

**Manufacturer:** [Infineon Technologies Corporation](#)

**Package/Case:** QFN32

**Product Type:** Driver ICs

**RoHS:** RoHS Compliant/Lead free 

**Lifecycle:** Obsolete

### General Description

iMOTION™ motor controller with Motion Control Engine (MCE 1.0) in QFN-32 package. The IRMCK099 is a low cost and small footprint controller for variable speed drives. It performs sensor less field oriented control (FOC) for a permanent magnet synchronous motor (PMSM).

## Key Features

Motion Control Engine (MCE)  
Field proven computation engine for high efficiency sinusoidal sensorless motor control  
Supports both interior and surface PMSM sensorless control  
Built-in digital & analog peripheral set  
UART serial interface with networking support  
Additional analog & digital application IOs  
Integrated protection features  
Standby function  
3.3V single supply  
Tiny 5x5mm<sup>2</sup> QFN-32 package  
Fastest time to market  
no C programming  
factory calibrated  
easy motor parametrization  
no C programming  
factory calibrated  
easy motor parametrization  
Lowest BOM cost  
integrated A/D converter, OP amps & comparators  
single or leg shunt  
internal oscillator  
integrated A/D converter, OP amps & comparators  
single or leg shunt  
internal oscillator  
Very wide speed range  
Multiple motor support (up to 31)

## Application

Motor control and drives  
Home appliances  
Hood fan  
Multicopters and drones

## Recommended For You

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### IR2130SPBF

Infineon Technologies Corporation

1

### IR2111PbF

Infineon Technologies Corporation

DIP8

### IRAM136-1061A

Infineon Technologies Corporation

SIP-21

**IR2103STRPBF**

Infineon Technologies Corporation  
SOP-8

**IRAMS06UP60A**

Infineon Technologies Corporation  
MODULE

**IRAMX16UP60B**

Infineon Technologies Corporation  
MODULE

**IRAMS10UP60A-2**

Infineon Technologies Corporation  
MODULE

**IR2117SPBF**

Infineon Technologies Corporation  
SOP-8

**IR2104PBF**

Infineon Technologies Corporation  
DIP

**IR2101SPBF**

Infineon Technologies Corporation  
SOP-8

**IR2113STRPBF**

Infineon Technologies Corporation  
SOP-16

**IR2153PBF**

Infineon Technologies Corporation  
DIP-8

**IR2118PBF**

Infineon Technologies Corporation  
DIP-8

**IR2304SPBF**

Infineon Technologies Corporation  
SOP-8

**IR2520DSTRPBF**

Infineon Technologies Corporation  
SOP-8