

High Performance Appliance Motor Control IC; Similar to IRMCF341 shipped on Tape and Reel

Manufacturers	Infineon Technologies Corporation
Package/Case	QFP-64
Product Type	Power Management ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for IRMCF341TR or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

iMOTION™ motor controller with Motion Control Engine (MCE 1.0) and 8051 MCU in QFP-64 package.

Features

Motion Control Engine (MCE) - Field proven computation engine for high efficiency sinusoidal sensorless motor control

MCU 8051 with 120MHz

Built-in support for single or two shunt current feedback

Loss minimization Space Vector PWM

Built-in digital & analog peripheral set

UART, I2C & SPI serial interfaces

Additional analog & digital application IOs

Integrated protection features

JTAG interface

64KB RAM memory for development

QFP64 package

Application

Home appliances

Room Air conditions

Heating ventilation and air conditioning (HVAC)

Hood fan

Refrigerators

Washing machines

Motor control and drives

Fastest motor control implementation

ready-to-use algorithm based on MCE

sinusoidal PMSM FOC control

easy motor parametrization

ready-to-use algorithm based on MCE

sinusoidal PMSM FOC control

easy motor parametrization

Additional flexibility with integrated MCU

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

Targeting single motor application

Optimally combined with a CIPOS™ Nano

OTP version for high volume manufacturing: IRMCK341

Related Products



[IRS2101SPBF](#)

Infineon Technologies Corporation
SOIC-8



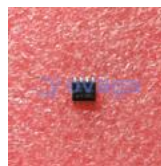
[IRS21864SPBF](#)

Infineon Technologies Corporation
SOIC-14



[IR3898MTRPBF](#)

Infineon Technologies Corporation
PQFN 4 x 5



[IRS2003STRPBF](#)

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SOIC-8



[IR3897MTRPBF](#)

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[IR21531SPBF](#)

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