



# IRMCF188TY

Manufacturer Part Number	<b>IRMCF188TY</b>
Manufacturer	<b>Infinion Technologies</b>
Allelco Part Number	32D-IRMCF188TY
ECAD Model	Request Free CAD Models
Parts Description	IC MOTOR DRIVER 3V-3.6V 64LQFP
Package	64-LQFP
Data sheet	<b>IRMCF188.pdf</b>
RoHs Status	ROHS3 Compliant



**Get a Quote**

IRMCF188TY - Infineon Technologies. New Original in Stock. Download Linear Technology IRMCF188TY datasheet/specifications on AllelcoElec.com.  
Request a quote for IRMCF188TY, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications

IRMCF188TY Tech Specifications

IRMCF188TY - Infineon Technologies technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Infineon Technologies	Operating Temperature	-40°C ~ 85°C (TA)
Voltage - Supply	3V ~ 3.6V	Mounting Type	Surface Mount
Voltage - Load	-	Motor Type - Stepper	-
Technology	IGBT	Motor Type - AC, DC	AC, Induction, Synchronous
Supplier Device Package	64-LQFP (12x12)	Interface	I <sup>2</sup> C, RS-232, SPI
Step Resolution	-	Function	Controller - Commutation, Direction Management
Series	iMOTION™, MCE™	Current - Output	-
Package / Case	64-LQFP	Base Product Number	IRMCF188
Package	Tray	Applications	General Purpose
Output Configuration	Pre-Driver - Half Bridge (3)		

## Parts with Similar Specifications

The three parts on the right have similar specifications to Infineon Technologies IRMCF188TY

Product Attribute	NO PICTURE			
Part Number	IRMCF188TY	IRMCF341TY	IRMCF343TY	IRMCF588QTY
Manufacturer	Infineon Technologies	Infineon Technologies	Infineon Technologies	Infineon Technologies
Technology	IGBT	IGBT	IGBT	Power MOSFET, IGBT
Output Configuration	Pre-Driver - Half Bridge (3)	Pre-Driver - Half Bridge (3)	Pre-Driver - Half Bridge (3)	Half Bridge (6)
Interface	I <sup>2</sup> C, RS-232, SPI	I <sup>2</sup> C, RS-232, SPI	I <sup>2</sup> C, RS-232, SPI	I <sup>2</sup> C, RS-232
Applications	General Purpose	Appliance	Appliance	-
Current - Output	-	-	-	-
Voltage - Supply	3V ~ 3.6V	1.62V ~ 1.98V, 3V ~ 3.6V	1.62V ~ 1.98V, 3V ~ 3.6V	-
Motor Type - AC, DC	AC, Induction, Synchronous	AC, Synchronous	AC, Synchronous	AC, Synchronous
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Function	Controller - Commutation, Direction Management	Controller - Commutation, Direction Management	Controller - Commutation, Direction Management	Driver - Fully Integrated, Control and Power Stage
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Series	iMOTION™, MCE™	MCE™	MCE™	iMOTION™
Package	Tray	Tray	Tray	Tray
Voltage - Load	-	-	-	-
Motor Type - Stepper	-	-	-	-
Base Product Number	IRMCF188	IRMCF341	IRMCF343	IRMCF588
Package / Case	64-LQFP	64-LQFP	64-LQFP	100-LQFP
Supplier Device Package	64-LQFP (12x12)	64-QFP	64-MQFP (10x10)	100-LQFP (14x14)
Step Resolution	-	-	-	-

## IRMCF188TY Datasheet PDF

Download IRMCF188TY pdf datasheets and Infineon Technologies documentation for IRMCF188TY - Infineon Technologies.

### Datasheets

IRMCF188.pdf

### Other Related Documents










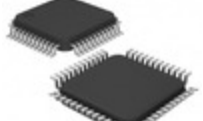








Part Number Guide.pdf

### PCN Obsolescence/ EOL

IRMCF18 EOL 16/Nov/2022.pdf

## Customers Also Interested in

### Recommended Products

 <b>IRMF341TY</b> Infineon Technologies IC MTRDRV 1.62-1.98/3-3.6V 64QFP	 <b>IRMF311TRPBF</b> IR	 <b>IRMF343TY</b> Infineon Technologies IC MOTOR DRIVER 64MQFP	 <b>IRMF588QTY</b> Infineon Technologies IC MOTOR DRIVER 100LQFP	 <b>IRMF371TR</b> Infineon Technologies IC MTRDRV 1.62-1.98/3-3.6V 48QFP	 <b>IRMF171TR</b> Infineon Technologies IC MOTOR DRIVER 3V-3.6V 48LQFP
 <b>IRM38BL</b> IR	 <b>IRMF143TR</b> Infineon Technologies IC MOTOR DRIVER 3V-3.6V 64LQFP	 <b>IRMF188TR</b> Infineon Technologies IC MOTOR DRIVER 3V-3.6V 64LQFP	 <b>IRMF171TY</b> Infineon Technologies IC MOTOR DRIVER 3V-3.6V 48LQFP	 <b>IRM56384</b> Everlight Electronics	 <b>IRMF341</b> IR
 <b>IRMF183MTR</b> Infineon Technologies IC MOTOR DRIVER 3V-3.6V 32QFN	 <b>IRMCK099M</b> Infineon Technologies IC MOTOR DRIVER 3V-3.6V 32QFN	 <b>IRMF183M</b> Infineon Technologies IC MOTOR DRIVER 3V-3.6V 32QFN	 <b>IRM56384F61</b> Everlight Electronics	 <b>IRMF312TY</b> Infineon Technologies IC MOTOR DRIVER 100QFP	 <b>IRM7001</b> Electro-Films (EFI) / Vishay

## Shipment

### Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Allelco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

### Delivery Cost

> Use your express account for shipment if you have one.

> Use our account for the shipment. Refer to the table below for the approximate charges.

(Different time frame / countries / package size has different price.)

### Delivery Method

> Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.

> Others more shipping ways, please get in touch with your customer manager.

Common Countries Logistic Time Reference		
Region	Country	Logistic Time(Day)
America	United States	5
	Brazil	7
Europe	Germany	5
	United Kingdom	4
	Italy	5
Oceania	Australia	6
	New Zealand	7
Asia	India	6
	Japan	7
Middle East	Israel	6

DHL & FedEx Shipment Charges Reference	
Shipment charges(KG)	Reference DHL(USD\$)
0.00kg-1.00kg	USD\$60.00
1.00kg-2.00kg	USD\$70.00
2.00kg-3.00kg	USD\$80.00

**Note:** The above table is for reference only. There may have some data bias for the uncontrollable factors.  
Contact us if you have any questions.




### Payment Support

The payment method can be chosen from the methods shown below:

Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



### Your Faithful Supply Chain Partner -

 Efficient Supply Management	 Cost-Saving Procurement	 Fast Sourcing & Delivery
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Contact us if you have any questions.

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### Certifications & Memberships



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### Contact us

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