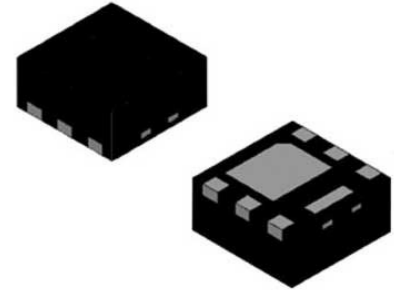


Dual Output 6A per phase Highly Integrated Single-Input Voltage, Synchronous Buck Regulator in a PQFN package.



Images are for reference only

Manufacturers	Infineon Technologies Corporation
Package/Case	PQFN 5X6 31L
Product Type	
RoHS	
Lifecycle	

Please submit RFQ for IR3892MTRPBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

Single 5V to 21V application

Wide Input Voltage Range from 1V to 21V with external Vcc

Output Voltage Range: 0.5V to 0.86*P_{Vin}

Dual output, 6A/Phase

Enhanced Line/Load Regulation with Feed-Forward

Programmable Switching Frequency up to 1.0MHz

Internal Digital Soft-Start

Enable input with Voltage Monitoring Capability

Thermally compensated current limit and Hiccup Mode Over Current Protection

External synchronization with Smooth Clocking

Precision Reference Voltage (0.5V +/-1%)

Seq pin for Sequencing Applications

Integrated MOSFETs, drivers and Bootstrap diode

Thermal Shut Down

Open Feedback Line Protection

Over Voltage Protection

Interleaved Phases to reduce Input Capacitors

Monotonic Start-Up

Operating Junction Temp: -40°C where T_j is $< 125^{\circ}\text{C}$

Small Size 5mm x 6mm PQFN

Lead-free, Halogen-free, and RoHS Compliant

Desktop and Workstations

Fan

Graphic Boards

Netcom and Telecom

Point of Load

Pump

Servers and Storage

Servo Drives

Solar

UPS

Welding

Features

Single 5V to 21V application

Wide Input Voltage Range from 1V to 21V with external Vcc

Output Voltage Range: 0.5V to 0.86*P_{Vin}

Dual output, 6A/Phase

Enhanced Line/Load Regulation with Feed-Forward

Programmable Switching Frequency up to 1.0MHz

Internal Digital Soft-Start

Enable input with Voltage Monitoring Capability

Thermally compensated current limit and Hiccup Mode Over Current Protection

External synchronization with Smooth Clocking

Precision Reference Voltage (0.5V +/- 1%)

Seq pin for Sequencing Applications

Integrated MOSFETs, drivers and Bootstrap diode

Thermal Shut Down

Open Feedback Line Protection

Over Voltage Protection

Interleaved Phases to reduce Input Capacitors

Monotonic Start-Up

Operating Junction Temp: -40°C where T_j is < 125°C

Small Size 5mm x 6mm PQFN

Lead-free, Halogen-free, and RoHS Compliant

Related Products



[IRS21814](#)

Infineon Technologies Corporation
DIP-14



[IRF7821PBF-1](#)

Infineon Technologies Corporation
SOP8

Application

Desktop and Workstations

Fan

Graphic Boards

Netcom and Telecom

Point of Load

Pump

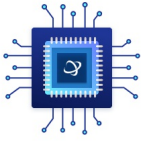
Servers and Storage

Servo Drives

Solar

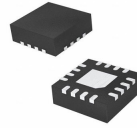
UPS

Welding



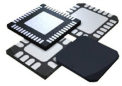
[IR25603](#)

Infineon Technologies Corporation



[IR3889MTRPBF](#)

Infineon Technologies Corporation
36-VFQFN



[IR35401MTRPBF](#)

Infineon Technologies Corporation
QFN



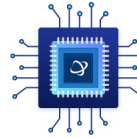
[IR35411MTRPBF](#)

Infineon Technologies Corporation
QFN



[IRMCF341](#)

Infineon Technologies Corporation
QFP-64



[IRS21064](#)

Infineon Technologies Corporation