

Conv DC-DC 1V to 21V Synchronous Step Down Single-Out 0.5V to 18.06V 4A 16-Pin QFN EP T/R

Manufacturers	Infineon Technologies Corporation
Package/Case	PQFN 4 x 5
Product Type	Power Management ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for IR3897MTRPBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

Single 5V and 12V application

Wide Input Voltage Range from 1.0V to 21V with external Vcc

Output Voltage Range: 0.5V to 0.86* Vin

Enhanced Line/Load Regulation with Feed-Forward

Programmable Switching Frequency up to 1.5MHz

Internal Digital Soft-Start/Soft-Stop

Enable input with Voltage Monitoring Capability

Thermally Compensated Current Limit with robust hiccup mode over current protection

Variable Internal LDO to enhance light load efficiency

External Synchronization with Smooth Clocking

Enhanced Pre-Bias Start-Up

Precision Reference Voltage (0.5V+/-0.5%) with margining capability

Vp for Tracking Applications

Integrated MOSFET drivers and Bootstrap Diode

Thermal Shut Down

Programmable Power Good Output with tracking capability

Monotonic Start-Up

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

Small Size: 4mm x 5mm QFN

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

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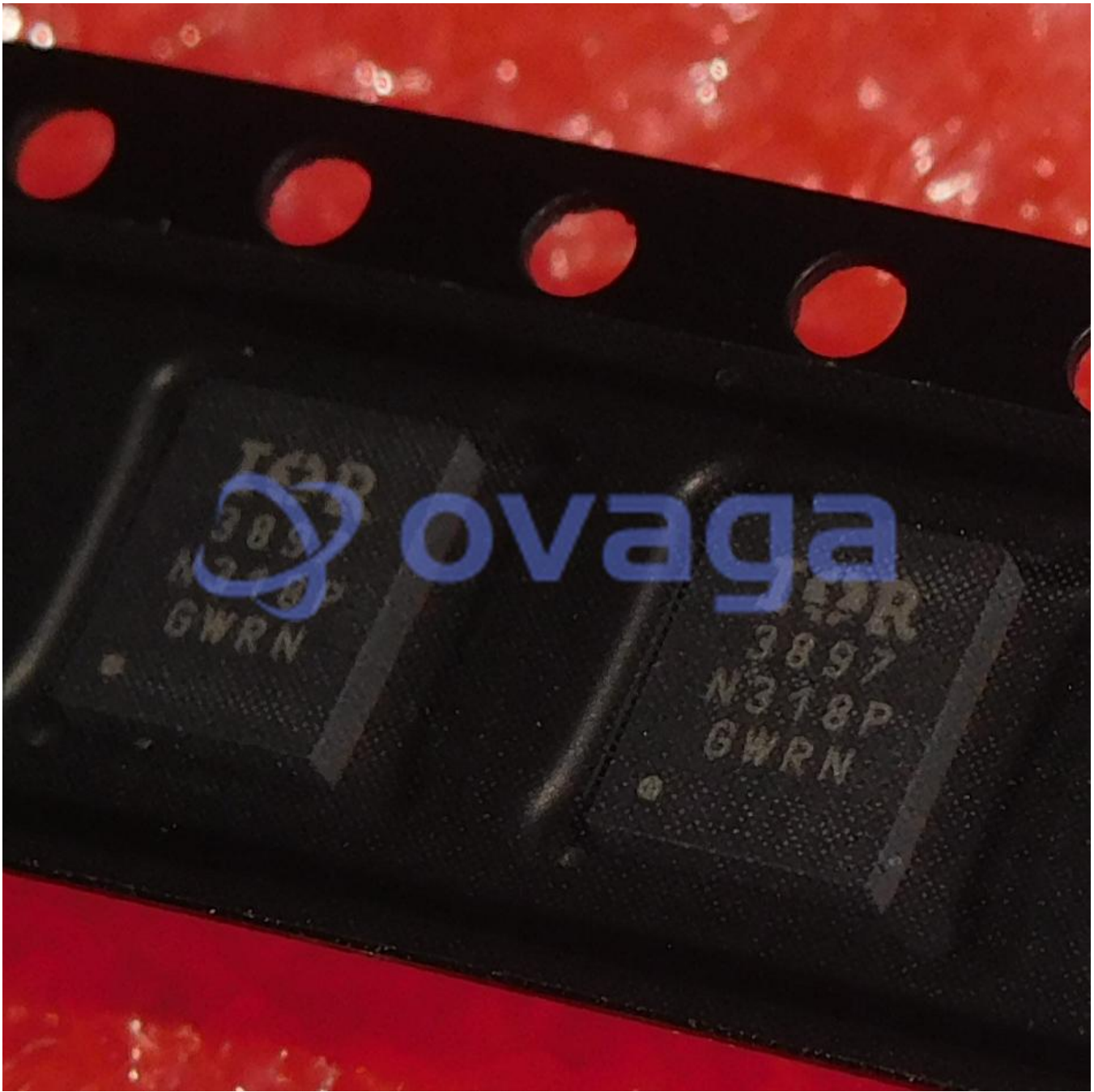
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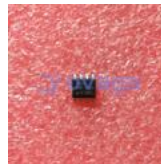


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