

Dual High and Low Side MOSFET Power Driver, 2.3A, 10 → 20 V 8-Pin, SOIC

Manufacturers	Infineon Technologies Corporation
Package/Case	PDIP-14
Product Type	Power Management ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for IRS2181SPBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

Floating channel designed for bootstrap operation

Fully operational to +600 V

Tolerant to negative transient voltage, dV/dt immune

Gate drive supply range from 10 V to 20 V

Undervoltage lockout for both channels

3.3 V and 5 V input logic compatible

Matched propagation delay for both channels

Logic and power ground +/- 5 V offset

Lower di/dt gate driver for better noise immunity

Output source/sink current capability (typical) 1.9 A /2.3 A

Leadfree, RoHS compliant

Automotive Qualified

Automotive 48V Motor Drive

Embedded Charger

HVAC Compressor

HV DC-DC Converter

Motor Inverter

Oil Pump

PTC Heater

Features

Floating channel designed for bootstrap operation

Fully operational to +600 V

Tolerant to negative transient voltage, dV/dt immune

Gate drive supply range from 10 V to 20 V

Undervoltage lockout for both channels

3.3 V and 5 V input logic compatible

Matched propagation delay for both channels

Logic and power ground +/- 5 V offset

Lower di/dt gate driver for better noise immunity

Output source/sink current capability (typical) 1.9 A /2.3 A

Leadfree, RoHS compliant

Automotive Qualified

Application

Automotive 48V Motor Drive

Embedded Charger

HVAC Compressor

HV DC-DC Converter

Motor Inverter

Oil Pump

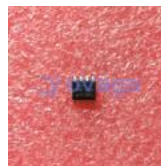
PTC Heater

Related Products



[IRS2101SPBF](#)

Infineon Technologies Corporation
SOIC-8



[IRS2003STRPBF](#)

Infineon Technologies Corporation
SOIC-8



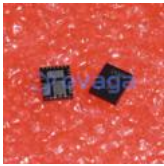
[IRS21864SPBF](#)

Infineon Technologies Corporation
SOIC-14



[IR3897MTRPBF](#)

Infineon Technologies Corporation
PQFN 4 x 5



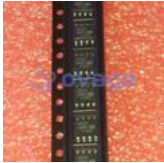
[IR3898MTRPBF](#)

Infineon Technologies Corporation
PQFN 4 x 5



[IR21531SPBF](#)

Infineon Technologies Corporation
SOIC-8



[AUIRS2301STR](#)

Infineon Technologies Corporation
SOIC-8



[IR1168SPBF](#)

Infineon Technologies Corporation
SOIC-8