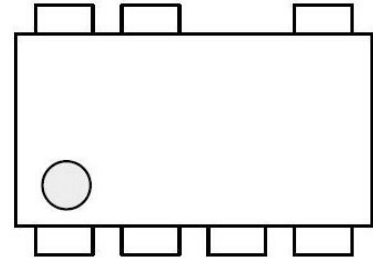


Motor / Motion / Ignition Controllers & Drivers PWTRN_H-BRIDGES

Manufacturers	Infineon Technologies Corporation
Package/Case	12-BSOP (0.295, 7.50mm Width)
Product Type	Power Management ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for IFX9201SGAUMA1 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The IFX9201SG a general purpose 6A H-bridge for industrial applications, home appliance and building automation, power tools battery management and medical applications, designed for the control of small DC motors and inductive loads is available from Infineon now. The outputs can be pulse width modulated at frequencies up to 20kHz - that enables operation above the human sonic range - by means of PWM/DIR control. While the signal at the direction input defines the direction of the DC motor, the PWM signal controls the duty cycle. For load currents above the current limitation threshold (7A typ.) the H-Bridge switches into chopper current limitation mode. The TLE9201SG is protected against short circuits and over temperature and provides diagnosis via SPI or basic error feedback via status flag. Open load can be detected when the bridge is disabled or during PWM operation of inductive loads. The robust PG-DSO-12-17 package provides excellent thermal performance due to the thick copper heat slug. Thanks to the protruding edges of the heat slug the package is well suited for automatic optical solder inspection.

H-BRIDGE KIT 2GO with the H-Bridge IFX9201

Features

RDSon (typ.) < 100mΩ per switch

Operation Voltage 4.5V to 36 V

Logic inputs: 3.3-V and 5-V TTL/ 5-V CMOS compatible

Low standby current

Short circuit and over-temperature protection

VS under-voltage protection

Open load detection in ON and OFF state

Detailed SPI diagnosis or simple error flag

Green product (RoHS compliant)

Small package saves board space

Includes over current and over temperature protection

Simple design with few external components

SPI enables for easy Diagnosis

Application

DC motor control for industrial applications

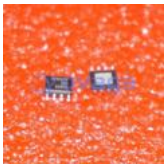
Home and building automation

Power tools battery management

Industrial robotic

Medical applications

Related Products



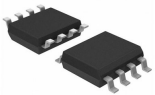
[IFX91041EJV](#)

Infineon Technologies Corporation
SOP8



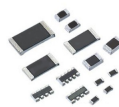
[IFX21401MB](#)

Infineon Technologies Corporation
PG-SCT-595-5



[ISP742RIFUMA1](#)

Infineon Technologies Corporation
PG-DSO-8



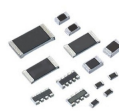
[IFX20002MBV33HTSA1](#)

Infineon Technologies Corporation
6-SMD (5 Leads), Gull Wing



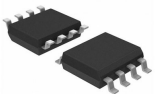
[IFX30081SJXUMA1](#)

Infineon Technologies Corporation
SOIC-8



[IFX20001MBV33HTSA1](#)

Infineon Technologies Corporation
6-SMD (5 Leads), Gull Wing



[IFX91041EJV33XUMA1](#)

Infineon Technologies Corporation
PG-DSO-8



[IFX91041EJV50XUMA1](#)

Infineon Technologies Corporation
8-SOIC (0.154, 3.90mm Width)