



Image may be representation.  
See specifications for product details.



## IRS2186STRPBF

Manufacturer Part Number	<b>IRS2186STRPBF</b>
Manufacturer	<b>Infineon Technologies</b>
Allelco Part Number	32D-IRS2186STRPBF
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC GATE DRVR HI/LOW SIDE 8SOIC
Package	8-SOIC (0.154", 3.90mm Width)
Data sheet	<b>IRS21864STRPBF Datasheet.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

IRS2186STRPBF - Infineon Technologies. New Original in Stock. Download Linear Technology IRS2186STRPBF datasheet/specifications on AllelcoElec.com.  
Request a quote for IRS2186STRPBF, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

IRS2186STRPBF Tech Specifications

IRS2186STRPBF - Infineon Technologies technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Infineon Technologies	Mounting Type	Surface Mount
Voltage - Supply	10V ~ 20V	Logic Voltage - VIL, VIH	0.8V, 2.5V
Supplier Device Package	8-SOIC	Input Type	Non-Inverting
Series	-	High Side Voltage - Max (Bootstrap)	600 V
Rise / Fall Time (Typ)	22ns, 18ns	Gate Type	IGBT, N-Channel MOSFET
Package / Case	8-SOIC (0.154", 3.90mm Width)	Driven Configuration	High-Side or Low-Side
Package	Tape & Reel (TR)	Current - Peak Output (Source, Sink)	4A, 4A
Operating Temperature	-40°C ~ 150°C (TJ)	Channel Type	Independent
Number of Drivers	2	Base Product Number	IRS2186

### Parts with Similar Specifications

The three parts on the right have similar specifications to Infineon Technologies IRS2186STRPBF

Product Attribute				
Part Number	IRS2186STRPBF	IRS21952STRPBF	IRS2186SPBF	IRS21864STRPBF
Manufacturer	Infineon Technologies	Infineon Technologies	Infineon Technologies	Infineon Technologies
Base Product Number	IRS2186	IRS21952	IRS2186	IRS21864
High Side Voltage - Max (Bootstrap)	600 V	600 V	600 V	600 V
Voltage - Supply	10V ~ 20V	10V ~ 20V	10V ~ 20V	10V ~ 20V
Input Type	Non-Inverting	Non-Inverting	Non-Inverting	Non-Inverting
Operating Temperature	-40°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)
Current - Peak Output (Source, Sink)	4A, 4A	500mA, 500mA	4A, 4A	4A, 4A
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tube	Tape & Reel (TR)
Series	-	-	-	-
Supplier Device Package	8-SOIC	16-SOIC	8-SOIC	14-SOIC
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Gate Type	IGBT, N-Channel MOSFET	N-Channel MOSFET	IGBT, N-Channel MOSFET	IGBT, N-Channel MOSFET
Rise / Fall Time (Typ)	22ns, 18ns	25ns, 25ns	22ns, 18ns	22ns, 18ns
Logic Voltage - VIL, VIH	0.8V, 2.5V	0.6V, 3.5V	0.8V, 2.5V	0.8V, 2.5V
Channel Type	Independent	Independent	Independent	Independent
Package / Case	8-SOIC (0.154", 3.90mm Width)	16-SOIC (0.154", 3.90mm Width)	8-SOIC (0.154", 3.90mm Width)	14-SOIC (0.154", 3.90mm Width)
Number of Drivers	2	3	2	2
Driven Configuration	High-Side or Low-Side	Half-Bridge, Low-Side	High-Side or Low-Side	High-Side or Low-Side

### IRS2186STRPBF Datasheet PDF

Download IRS2186STRPBF pdf datasheets and Infineon Technologies documentation for IRS2186STRPBF - Infineon Technologies.

#### Datasheets

[IRS21864STRPBF Datasheet.pdf](#)

#### Other Related Documents

[Part Number Guide.pdf](#)

#### PCN Design/Specification



















[Mult Dev Label Chgs Aug/2020.pdf](#)

#### PCN Packaging

PCN Assembly/Origin

Customers Also Interested in

Recommended Products

 <b>IRS2195S</b> IR	 <b>IRS21952STRPBF</b> Infineon Technologies IC GATE DRVR HALF BRD/LOW 16SOIC	 <b>IRS2190CS</b> IR	 <b>IRS21952S</b> IR	 <b>IRS2186SPBF</b> Infineon Technologies IC GATE DRVR HI/LOW SIDE 8SOIC	 <b>IRS21864STRPBF</b> Infineon Technologies IC GATE DRVR HI/LOW SIDE 14SOIC
 <b>IRS21956STRPBF</b> Infineon Technologies IC GATE DRVR HALF-BRIDGE 20SOIC	 <b>IRS21867STRPBF</b> Infineon Technologies IC GATE DRVR HALF-BRIDGE 8SOIC	 <b>IRS21953SPBF</b> Infineon Technologies IC GATE DRVR HALF BRD/LOW 16SOIC	 <b>IRS21864S</b> IR	 <b>IRS2191</b> IR	 <b>IRS21956SPBF</b> Infineon Technologies IC GATE DRVR HALF-BRIDGE 20SOIC
 <b>IRS2186PBF</b> Infineon Technologies IC GATE DRV HI-SIDE/LO-SIDE 8DIP	 <b>IRS21952SPBF</b> Infineon Technologies IC GATE DRVR HALF BRD/LOW 16SOIC	 <b>IRS21953STRPBF</b> Infineon Technologies IC GATE DRVR HALF BRD/LOW 16SOIC	 <b>IRS21864STRPBFXUMA1</b> Cypress Semiconductor (Infineon Technologies)	 <b>IRS21864SPBF</b> Infineon Technologies IC GATE DRVR HI/LOW SIDE 14SOIC	 <b>IRS21867SPBF</b> Infineon Technologies IC GATE DRVR HALF-BRIDGE 8SOIC

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.

 Phone +00852 9146 4856	 Email info@allelco.com
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Certifications & Memberships



View More

Contact us

Address: Flat/Rm C 13/F Harvard Commercial Building 105-111 Thomson Road, Wan Chai, Hong Kong  
Phone: +00852 9146 4856  
Fax: +00852 3010 8510  
Email: info@Allelco.com