



101 North Sepulveda Boulevard, El Segundo, California, 90245, USA Telephone: +1 310 726 8000 www.irf.com

Process Change Notification

Date: Wednesday, January 07, 2015
PCR Reference: 343
PCN Reference: 343-PCN90-Public

To Our Value Customer:

As always we appreciate your use of International Rectifier semiconductor products. Our commitment to customer satisfaction and continuous improvement is demonstrated by our change plans to enhance capacity, quality and reliability. This notice is to inform you of the following changes.

We would like to express our sincere appreciation for your cooperation regarding the following changes, and IR will work closely with you to support your requirements during this transition.

Type of Change Notification:

Additional Test Capacity

Description of Change:

SOIC8L,14L,16L,28L -HVIC, PQFN 12x12 Additional Test Capacity

ASE Malaysia has been qualified as an additional test site for the product listed below

SOIC-HVIC

Current	Proposed	
Assembly and Test in Hana Thailand	Assembly in Hana Thailand	Test in ASE Malaysia
Assembly and Test in Carsem Malaysia	Assembly in Carsem Malaysia	Test in ASE Malaysia
Assembly and Test in Cirtek Philippines	Assembly in Carsem Malaysia	Test in ASE Malaysia

Reason for the Change:

Additional test capacity

Effect Date:

Tuesday, April 07, 2015

International Rectifier will consider this change approved and will implement it by the effective date unless specific conditions of acceptance or data requests are provided in writing within 30 days of receipt of this notice. Please submit conditions of acceptance and data requests to the PCN coordinator listed at the end of this notice.

Impact of Change:

Products featuring alternate and test site will meet the same parametric and qualification level as the existing product. Product Datasheet remains unchanged.

Method of Identifying Changed Product:

Date code and Lot code Information

Products Affected:

IR Part	Description
98-0285PBF	
98-0313PBF	
98-0476PBF	
98-0505PBF	
98-0506PBF	
98-1064PBF	
IR11662SPBF	FLYBACK SYNCH REC IC (SO8, +1,-3.5A)
IR11662STRPBF	FLYBACK SYNCH REC IC (SO8, +1,-3.5A)
IR1166STRPBF	FLYBACK SYNCH REC IC (SO8, +1,-3.5A)
IR11671ASPBF	SmartRectifier Control IC
IR11671ASTRPBF	SmartRectifier Control IC
IR11672ASPBF	SmartRectifier Control IC
IR11672ASTRPBF	SmartRectifier Control IC
IR1167ASTRPBF	SmartRectifier Control IC
IR11682SPBF	Dual Smartrectifier Driver IC
IR11682STRPBF	Dual Smartrectifier Driver IC
IR1168SPBF	Dual Smartrectifier Driver IC
IR1168STRPBF	Dual Smartrectifier Driver IC
IR1169SPBF	
IR1169STRPBF	
IR2010SPBF	High and Low Side Driver in a 16-lead SOIC package
IR2010STRPBF	High and Low Side Driver in a 16-lead SOIC package
IR2011SPBF	High and Low Side Driver in a 8-Lead SOIC package
IR2011STRPBF	High and Low Side Driver in a 8-Lead SOIC package

IR2085STRPBF	High Speed 100V Self Oscillating 50% Duty Cycle Half Bridge Driver in a SO-8 package
IR2101SPBF	High and Low Side Driver, Noninverting Inputs in a 8-lead SOIC package
IR2101STRPBF	High and Low Side Driver, Noninverting Inputs in a 8-lead SOIC package
IR2102SPBF	High and Low Side Driver, Inverting Inputs in a 8-lead SOIC package
IR2102STRPBF	High and Low Side Driver, Inverting Inputs in a 8-lead SOIC package
IR2103SPBF	Half Bridge Driver, Separate High and Low Side Inputs, Inverting Low Side Input, Fixed 520ns Deadtime in a 8-lead SOIC package
IR2103STRPBF	Half Bridge Driver, Separate High and Low Side Inputs, Inverting Low Side Input, Fixed 520ns Deadtime in a 8-lead SOIC package
IR2104SPBF	Half Bridge Driver, Single Input Plus Inverting Shutdown Pin, Fixed 520ns Deadtime in a 8-lead SOIC package
IR2104STRPBF	Half Bridge Driver, Single Input Plus Inverting Shutdown Pin, Fixed 520ns Deadtime in a 8-lead SOIC package
IR21064SPBF	High and Low Side Driver, SoftTurn-On, Noninverting Inputs, All High Voltage Pins on One Side, Separate Logic and Power Ground in a 14-lead SOIC package
IR21064STRPBF	High and Low Side Driver, SoftTurn-On, Noninverting Inputs, All High Voltage Pins on One Side, Separate Logic and Power Ground in a 14-lead SOIC package
IR2106SPBF	High and Low Side Driver, SoftTurn-On, Noninverting Inputs in a 8-lead SOIC package
IR2106STRPBF	High and Low Side Driver, SoftTurn-On, Noninverting Inputs in a 8-lead SOIC package
IR21084SPBF	Half Bridge Driver, Soft Turn-On, All High Voltage Pins on One Side, Separate High and Low Side Inputs, Programmable 0.5-5us Deadtime in a 14-lead SOIC package
IR21084STRPBF	Half Bridge Driver, Soft Turn-On, All High Voltage Pins on One Side, Separate High and Low Side Inputs, Programmable 0.5-5us Deadtime in a 14-lead SOIC package
IR2108SPBF	Half Bridge Driver, Soft Turn-On, Separate High and Low Side Inputs, Fixed 500ns Deadtime in a 8-lead SOIC package
IR2108STRPBF	Half Bridge Driver, Soft Turn-On, Separate High and Low Side Inputs, Fixed 500ns Deadtime in a 8-lead SOIC package
IR21091SPBF	Half Bridge Driver, Soft Turn-On, Single Input Plus Shut-Down, Programmable 0.5-5us Deadtime in a 8-lead SOIC package
IR21091STRPBF	600V .120A SOIC
IR21094SPBF	Half Bridge Driver, Soft Turn-On, Single Input Plus Shut-Down, All high Voltage Pins on One Side, Programmable 0.5-5us Deadtime in a 14-lead SOIC package
IR21094STRPBF	Half Bridge Driver, Soft Turn-On, Single Input Plus Shut-Down, All high Voltage Pins on One Side, Programmable 0.5-5us Deadtime in a 14-lead SOIC package
IR2109SPBF	Half Bridge Driver, Soft Turn-On, Single Input Plus Shut-Down, Fixed 500ns Deadtime in a 8-lead SOIC package
IR2109STRPBF	Half Bridge Driver, Soft Turn-On, Single Input Plus Shut-Down, Fixed 500ns Deadtime in a 8-lead SOIC package
IR2110SPBF	High and Low Side Driver, All High Voltage Pins On One Side, Separate Logic and Power Ground, Shut-Down in a 16-lead SOIC package

IR2110STRPBF	High and Low Side Driver, All High Voltage Pins On One Side, Separate Logic and Power Ground, Shut-Down in a 16-lead SOIC package
IR2111SPBF	Half Bridge Driver, Fixed 650ns Deadtime in a 8-lead SOIC package
IR2111STRPBF	Half Bridge Driver, Fixed 650ns Deadtime in a 8-lead SOIC package
IR2112SPBF	High and Low Side Driver, Shutdown Input in a 16-lead SOIC package
IR2112STRPBF	High and Low Side Driver, Shutdown Input in a 16-lead SOIC package
IR2113SPBF	High and Low Side Driver, All High Voltage Pins On One Side, Separate Logic and Power Ground, Shut-Down in a 16-lead SOIC package
IR2113STRPBF	High and Low Side Driver, All High Voltage Pins On One Side, Separate Logic and Power Ground, Shut-Down in a 16-lead SOIC package
IR2117SPBF	Single High Side Driver, Noninverting Input in a 8-lead SOIC package
IR2117STRPBF	Single High Side Driver, Noninverting Input in a 8-lead SOIC package
IR2118SPBF	Single High Side Driver, Inverting Input in a 8-lead SOIC package
IR2118STRPBF	Single High Side Driver, Inverting Input in a 8-lead SOIC package
IR2125SPBF	Single High Side Driver, Current Limiting, Programmable Shutdown Error Pin in a 16-lead SOIC package
IR2125STRPBF	Single High Side Driver, Current Limiting, Programmable Shutdown Error Pin in a 16-lead SOIC package
IR21271SPBF	Single High Side Driver, Noninverting Inputs, Current Sensing, Overcurrent Detection and Shutdown Fault Output in a 8-lead SOIC package
IR21271STRPBF	Single High Side Driver, Noninverting Inputs, Current Sensing, Overcurrent Detection and Shutdown Fault Output in a 8-lead SOIC package
IR2127SPBF	Single High Side Driver, Noninverting Inputs, Current Sensing, Overcurrent Detection and Shutdown Fault Output in a 8-lead SOIC package
IR2127STRPBF	Single High Side Driver, Noninverting Inputs, Current Sensing, Overcurrent Detection and Shutdown Fault Output in a 8-lead SOIC package
IR2128SPBF	Single High Side Driver, Inverting Inputs, Current Sensing, Overcurrent Detection and Shutdown Fault Output in a 8-lead SOIC package
IR2128STRPBF	Single High Side Driver, Inverting Inputs, Current Sensing, Overcurrent Detection and Shutdown Fault Output in a 8-lead SOIC package
IR2130SPBF	3 Phase Driver, Inverting Input, 2.5us Deadtime in a 28-lead SOIC package
IR2130STRPBF	3 Phase Driver, Inverting Input, 2.5us Deadtime in a 28-lead SOIC package
IR2131SPBF	3 Phase Driver, Inverting Input, Independent High and Low Side, 700ns Deadtime in a 28-lead SOIC package
IR2131STRPBF	3 Phase Driver, Inverting Input, Independent High and Low Side, 700ns Deadtime in a 28-lead SOIC package
IR2132SPBF	3 Phase Driver, Inverting Input, 0.8us Deadtime in a 28-lead SOIC package
IR2132STRPBF	3 Phase Driver, Inverting Input, 0.8us Deadtime in a 28-lead SOIC package
IR2133SPBF	3 Phase Driver, Separate High and Low Side Inputs, 200ns Deadtime in a 28-lead SOIC package
IR2133STRPBF	3 Phase Driver, Separate High and Low Side Inputs, 200ns Deadtime in a 28-lead SOIC package
IR2135STRPBF	3 Phase Driver, Separate High and Low Side Inputs, 200ns Deadtime in a 28-lead SOIC package

IR21363SPBF	3 Phase Driver, Soft Turn-on, Inverting Input Separate High and Low Side Inputs, 200ns Deadtime in a 28-lead SOIC package
IR21363STRPBF	3 Phase Driver, Soft Turn-on, Inverting Input Separate High and Low Side Inputs, 200ns Deadtime in a 28-lead SOIC package
IR21364SPBF	3 Phase Driver, Soft Turn-on, Inverting Input Separate High and Low Side Inputs, 200ns Deadtime in a 28-lead SOIC package
IR21364STRPBF	3 Phase Driver, Soft Turn-on, Inverting Input Separate High and Low Side Inputs, 200ns Deadtime in a 28-lead SOIC package
IR21365SPBF	3 Phase Driver, Soft Turn-on, Inverting Input Separate High and Low Side Inputs, 200ns Deadtime in a 28-lead SOIC package
IR21368SPBF	3 Phase Driver, Soft Turn-on, Inverting Input Separate High and Low Side Inputs, 200ns Deadtime in a 28-lead SOIC package
IR21368STRPBF	3 Phase Driver, Soft Turn-on, Inverting Input Separate High and Low Side Inputs, 200ns Deadtime in a 28-lead SOIC package
IR2136SPBF	3 Phase Driver, Soft Turn-on, Inverting Input Separate High and Low Side Inputs, 200ns Deadtime in a 28-lead SOIC package
IR2136STRPBF	3 Phase Driver, Soft Turn-on, Inverting Input Separate High and Low Side Inputs, 200ns Deadtime in a 28-lead SOIC package
IR21531SPBF	Half Bridge Driver, LO In Phase with RT, Programmable Oscillating Frequency, 0.6us Deadtime in a 8-lead SOIC package and different phase
IR21531STRPBF	Half Bridge Driver, LO In Phase with RT, Programmable Oscillating Frequency, 0.6us Deadtime in a 8-lead SOIC package and different phase
IR2153SPBF	Half Bridge Driver, LO In Phase with RT, Programmable Oscillating Frequency, 0.6us Deadtime in a 8-lead SOIC package and different phase
IR2153STRPBF	Half Bridge Driver, LO In Phase with RT, Programmable Oscillating Frequency, 0.6us Deadtime in a 8-lead SOIC package and different phase
IR2156SPBF	Ballast Control, Programmable Preheat Time and Run Frequency, Programmable Deadtime in a 16-lead SOIC Narrow package
IR2156STRPBF	Ballast Control, Programmable Preheat Time and Run Frequency, Programmable Deadtime in a 16-lead SOIC Narrow package
IR21571SPBF	Ballast Control, Below Resonance Protection, Thermal Overload Protection, Protection from Failure to Strike, Programmable Preheat Time and Run Frequency, Programmable Deadtime, Automatic Restart for Lamp Exchange in a 16-lead SOIC Narrow package
IR21571STRPBF	Ballast Control, Below Resonance Protection, Thermal Overload Protection, Protection from Failure to Strike, Programmable Preheat Time and Run Frequency, Programmable Deadtime, Automatic Restart for Lamp Exchange in a 16-lead SOIC Narrow package
IR21592SPBF	Dimming Ballast Control, Brown-out Protection, Programmable Preheat Time, 1.8us Deadtime in a 16-lead SOIC Narrow package
IR21592STRPBF	Dimming Ballast Control, Brown-out Protection, Programmable Preheat Time, 1.8us Deadtime in a 16-lead SOIC Narrow package
IR2161SPBF	Halogen Converter Control IC in a 8-lead SOIC package. Features Auto Resetting Short Circuit Protection, Auto Resetting Overload Protection, Overtemperature Protection, Phase Cut Dimmable, Adaptive Deadtime, Output Voltage Shift Compensation and Softstar
IR2161STRPBF	Halogen Converter Control IC in a 8-lead SOIC package. Features Auto Resetting Short Circuit Protection, Auto Resetting Overload Protection, Overtemperature Protection, Phase Cut Dimmable, Adaptive Deadtime, Output Voltage Shift Compensation and Softstar

IR2166SPBF	PFC Ballast Control in a 16-lead SOIC Narrow package
IR2166STRPBF	PFC Ballast Control in a 16-lead SOIC Narrow package
IR2172SPBF	IR2172S is not recommended for new designs.
IR2175SPBF	Linear Current Sensing IC in a 8-lead SOIC package
IR2175STRPBF	Linear Current Sensing IC in a 8-lead SOIC package
IR21771SPBF	600V Phase Current Sensing IC for AC Motor Control in a 16-Lead SOIC package
IR2177SPBF	600V Phase Current Sensing IC for AC Motor Control in a 16-Lead SOIC package. Ratiometric analog output suitable for DSP A/D interface.
IR2177STRPBF	600V Phase Current Sensing IC for AC Motor Control in a 16-Lead SOIC package. Ratiometric analog output suitable for DSP A/D interface.
IR21814SPBF	High and Low Side Driver, SoftTurn-On, Noninverting Inputs, Separate High and Low Side Inputs, All High Voltage Pins On One Side, Separate Logic and Power Ground in a 14-lead SOIC package
IR21814STRPBF	High and Low Side Driver, SoftTurn-On, Noninverting Inputs, Separate High and Low Side Inputs, All High Voltage Pins On One Side, Separate Logic and Power Ground in a 14-lead SOIC package
IR2181SPBF	High and Low Side Driver, SoftTurn-On, Noninverting Inputs, Separate High and Low Side Inputs in a 8-lead SOIC package
IR2181STRPBF	High and Low Side Driver, SoftTurn-On, Noninverting Inputs, Separate High and Low Side Inputs in a 8-lead SOIC package
IR21834SPBF	Half Bridge Side Driver, SoftTurn-On, Low Side Inverting Inputs, Separate High and Low Side Inputs, All High Voltage Pins On One Side, Separate Logic and Power Ground, Programmable Deadtime in a 14-lead SOIC package
IR21834STRPBF	Half Bridge Side Driver, SoftTurn-On, Low Side Inverting Inputs, Separate High and Low Side Inputs, All High Voltage Pins On One Side, Separate Logic and Power Ground, Programmable Deadtime in a 14-lead SOIC package
IR2183SPBF	Half Bridge Driver, SoftTurn-On, Low Side Inverting Input, Separate High and Low Side Input, 500ns Deadtime in a 8-lead SOIC package
IR2183STRPBF	Half Bridge Driver, SoftTurn-On, Low Side Inverting Input, Separate High and Low Side Input, 500ns Deadtime in a 8-lead SOIC package
IR21844SPBF	Half Bridge Driver, SoftTurn-On, Single Input Plus Inverting Shut-Down, All High Voltage Pins on One Side, Separate Logic and Power Ground, Programmable Deadtime in a 14-lead SOIC package
IR21844STRPBF	Half Bridge Driver, SoftTurn-On, Single Input Plus Inverting Shut-Down, All High Voltage Pins on One Side, Separate Logic and Power Ground, Programmable Deadtime in a 14-lead SOIC package
IR2184SPBF	Half Bridge Driver, SoftTurn-On, Single Input Plus Inverting Shut-Down, 500ns Deadtime in a 8-lead SOIC package
IR2184STRPBF	Half Bridge Driver, SoftTurn-On, Single Input Plus Inverting Shut-Down, 500ns Deadtime in a 8-lead SOIC package
IR2213SPBF	High and Low Side Driver, Noninverting Inputs in a 16-lead SOIC package
IR2213STRPBF	High and Low Side Driver, Noninverting Inputs in a 16-lead SOIC package
IR2233SPBF	3 Phase Driver, Separate High and Low Side Inputs, Overcurrent Comparator, Latching Fault Logic, Fault Clear Input, Synchronized Shutdown Input, 200ns Deadtime in a 28-lead SOIC package
IR2235SPBF	3 Phase Driver, Separate High and Low Side Inputs, Overcurrent Comparator, Latching Fault Logic, Fault Clear Input, Synchronized

	Shutdown Input, 200ns Deadtime in a 28-lead SOIC package
IR2235STRPBF	3 Phase Driver, Separate High and Low Side Inputs, Overcurrent Comparator, Latching Fault Logic, Fault Clear Input, Synchronized Shutdown Input, 200ns Deadtime in a 28-lead SOIC package
IR22771SPBF	1200V Phase Current Sensing IC for AC Motor Control in a 16-Lead SOIC package
IR2277SPBF	1200V Phase Current Sensing IC for AC Motor Control in a 16-Lead SOIC package. Ratiometric analog output suitable for DSP A/D interface.
IR2277STRPBF	1200V Phase Current Sensing IC for AC Motor Control in a 16-Lead SOIC package. Ratiometric analog output suitable for DSP A/D interface.
IR2301SPBF	High and Low Side Driver, SoftTurn-On, Noninverting Inputs in a 8-lead SOIC package
IR2301STRPBF	High and Low Side Driver, SoftTurn-On, Noninverting Inputs in a 8-lead SOIC package
IR2302SPBF	Half Bridge Driver, Soft Turn-On, Single Input Plus Shut-Down, Fixed 500ns Deadtime in a 8-lead SOIC package
IR2302STRPBF	Half Bridge Driver, Soft Turn-On, Single Input Plus Shut-Down, Fixed 500ns Deadtime in a 8-lead SOIC package
IR2304SPBF	Half Bridge Driver, SoftTurn-On, Noninverting Inputs in a 8-lead SOIC package
IR2304STRPBF	Half Bridge Driver, SoftTurn-On, Noninverting Inputs in a 8-lead SOIC package
IR2308SPBF	High Voltage and High Speed power MOSFET and IGBT Half Bridge Driver in a 8-lead SOIC package
IR2308STRPBF	High Voltage and High Speed power MOSFET and IGBT Half Bridge Driver in a 8-lead SOIC package
IR2520DSPBF	600V Ballast Controller IC with Adaptive Zero-Voltage Switching, Internal Crest Factor Over-Current Protection and an Integrated Bootstrap Diode in a 8-Pin SOIC package.
IR2520DSTRPBF	600V Ballast Controller IC with Adaptive Zero-Voltage Switching, Internal Crest Factor Over-Current Protection and an Integrated Bootstrap Diode in a 8-Pin SOIC package.
IR25600SPBF	
IR25600STRPBF	
IR25601SPBF	
IR25601STRPBF	
IR25602SPBF	
IR25602STRPBF	
IR25603SPBF	
IR25603STRPBF	
IR25604SPBF	
IR25604STRPBF	
IR25606SPBF	
IR25606STRPBF	
IR25607SPBF	
IR25607STRPBF	
IR4426SPBF	Dual Low Side Driver, Inverting Input in a 8-lead SOIC package
IR4426STRPBF	Dual Low Side Driver, Inverting Input in a 8-lead SOIC package

IR4427SPBF	Dual Low Side Driver in a 8-lead SOIC package
IR4427STRPBF	Dual Low Side Driver in a 8-lead SOIC package
IRDM982-035MBTR	
IRS2001SPBF	High and Low Side Driver in a 8-Lead SOIC package
IRS2001STRPBF	High and Low Side Driver in a 8-Lead SOIC package
IRS2003SPBF	Half Bridge Driver, high speed power MOSFET and IGBT drivers with dependent high and low side referenced output channels
IRS2003STRPBF	Half Bridge Driver, high speed power MOSFET and IGBT drivers with dependent high and low side referenced output channels
IRS2004SPBF	Half Bridge Driver, high speed power MOSFET and IGBT drivers with dependent high and low side referenced output channels
IRS2004STRPBF	Half Bridge Driver, high speed power MOSFET and IGBT drivers with dependent high and low side referenced output channels
IRS2011SPBF	High and Low Side Driver in a 8-Lead SOIC package
IRS2011STRPBF	High and Low Side Driver in a 8-Lead SOIC package
IRS20124SPBF	Digital Audio Driver with Discrete Dead-Time and Protection. High and Low Side Driver in a 14-Lead SOIC package
IRS20124STRPBF	Digital Audio Driver with Discrete Dead-Time and Protection. High and Low Side Driver in a 14-Lead SOIC package
IRS2092SPBF	200V Digital Audio Driver in a 16-lead SOIC Package
IRS2092STRPBF	200V Digital Audio Driver in a 16-lead SOIC Package
IRS20954STRPBF	
IRS20955SPBF	
IRS20955STRPBF	
IRS20957SPBF	Class D Audio Driver IC
IRS20957STRPBF	Class D Audio Driver IC
IRS20965SPBF	
IRS20965STRPBF	
IRS2101SPBF	High and Low Side Driver in a 8-Lead SOIC
IRS2101STRPBF	High and Low Side Driver in a 8-Lead SOIC
IRS2103SPBF	Half Bridge Driver, Separate High and Low Side Inputs, Inverting Low Side Input, Fixed 520ns Deadtime in a 8-lead SOIC package
IRS2103STRPBF	Half Bridge Driver, Separate High and Low Side Inputs, Inverting Low Side Input, Fixed 520ns Deadtime in a 8-lead SOIC package
IRS2104SPBF	Half Bridge Driver, Single Input Plus Inverting Shutdown Pin, Fixed 520ns Deadtime in a 8-lead SOIC package
IRS2104STRPBF	Half Bridge Driver, Single Input Plus Inverting Shutdown Pin, Fixed 520ns Deadtime in a 8-lead SOIC package
IRS210614SPBF	High and Low Side Driver, SoftTurn-On, Noninverting Inputs, All High Voltage Pins on One Side, Separate Logic and Power Ground in a 8-pin SOIC package
IRS21064SPBF	High and Low Side Driver, SoftTurn-On, Noninverting Inputs, All High Voltage Pins on One Side, Separate Logic and Power Ground in a 14-lead SOIC package
IRS21064STRPBF	High and Low Side Driver, SoftTurn-On, Noninverting Inputs, All High Voltage Pins on One Side, Separate Logic and Power Ground in a 14-lead SOIC package
	High and Low Side Driver, SoftTurn-On, Noninverting Inputs, All High

IRS2106SPBF	Voltage Pins on One Side, Separate Logic and Power Ground in a 8-pin SOIC package
IRS2106STRPBF	High and Low Side Driver, SoftTurn-On, Noninverting Inputs, All High Voltage Pins on One Side, Separate Logic and Power Ground in a 8-pin SOIC package
IRS21084SPBF	Half Bridge Driver, Soft Turn-On, All High Voltage Pins on One Side, Separate High and Low Side Inputs, Programmable 540-5000ns Deadtime in a 14-lead SOIC package
IRS21084STRPBF	Half Bridge Driver, Soft Turn-On, All High Voltage Pins on One Side, Separate High and Low Side Inputs, Programmable 540-5000ns Deadtime in a 14-lead SOIC package
IRS2108SPBF	Half Bridge Driver, Soft Turn-On, Separate High and Low Side Inputs, Fixed 540ns Deadtime in a 8-lead SOIC package
IRS2108STRPBF	Half Bridge Driver, Soft Turn-On, Separate High and Low Side Inputs, Fixed 540ns Deadtime in a 8-lead SOIC package
IRS21091SPBF	Half Bridge Driver in a 8-pin SOIC package
IRS21091STRPBF	Half Bridge Driver in a 8-pin SOIC package
IRS21094SPBF	Half Bridge Driver, Soft Turn-On, Single Input Plus Shut-Down, All high Voltage Pins on One Side, Programmable 540-5000ns Deadtime in a 14-lead SOIC package
IRS21094STRPBF	Half Bridge Driver, Soft Turn-On, Single Input Plus Shut-Down, All high Voltage Pins on One Side, Programmable 540-5000ns Deadtime in a 14-lead SOIC package
IRS2109SPBF	Half Bridge Driver, Soft Turn-On, Single Input Plus Shut-Down, Fixed 540ns Deadtime in a 8-lead SOIC package
IRS2109STRPBF	Half Bridge Driver, Soft Turn-On, Single Input Plus Shut-Down, Fixed 540ns Deadtime in a 8-lead SOIC package
IRS2110SPBF	High and Low Side Driver, All High Voltage Pins On One Side, Separate Logic and Power Ground, Shut-Down, High Creepage Package in a 16-pin DIP Lead Free package
IRS2110STRPBF	High and Low Side Driver, All High Voltage Pins On One Side, Separate Logic and Power Ground, Shut-Down, High Creepage Package in a 16-pin DIP Lead Free package
IRS2111SPBF	Half Bridge Driver, Fixed 650ns Deadtime in a 8-Lead SOIC package
IRS2111STRPBF	Half Bridge Driver, Fixed 650ns Deadtime in a 8-Lead SOIC package
IRS2112SPBF	High and Low Side Driver, Shutdown Input in a 16-lead SOIC package
IRS2112STRPBF	High and Low Side Driver, Shutdown Input in a 16-lead SOIC package
IRS2113SPBF	High and Low Side Driver, All High Voltage Pins On One Side, Separate Logic and Power Ground, Shut-Down, High Creepage Package in a 16-pin DIP Lead Free package
IRS2113STRPBF	High and Low Side Driver, All High Voltage Pins On One Side, Separate Logic and Power Ground, Shut-Down, High Creepage Package in a 16-pin DIP Lead Free package
IRS21171SPBF	High-Side Driver IC, Single Channel
IRS21171STRPBF	High-Side Driver IC, Single Channel
IRS2117SPBF	Single High Side Driver, Noninverting Input in a 8-lead SOIC package
IRS2117STRPBF	Single High Side Driver, Noninverting Input in a 8-lead SOIC package
IRS2118SPBF	Single High Side Driver, Noninverting Input in a 8-pin DIP package
IRS2118STRPBF	Single High Side Driver, Noninverting Input in a 8-pin DIP package

IRS2123SPBF	Industrial qualified, non inverting High Side Driver, 600V, 200kHz, 250mA, SOIC8
IRS2123STRPBF	Industrial qualified, non inverting High Side Driver, 600V, 200kHz, 250mA, SOIC8
IRS2124SPBF	Industrial qualified, non inverting High Side Driver, 600V, 200kHz, 250mA, SOIC8
IRS2124STRPBF	Industrial qualified, non inverting High Side Driver, 600V, 200kHz, 250mA, SOIC8
IRS21271SPBF	600V Current Sensing Single Channel Driver with Gate Drive Range of 12V - 20V and Output in Phase with Input in a 8-Lead SOIC Package.
IRS21271STRPBF	600V Current Sensing Single Channel Driver with Gate Drive Range of 12V - 20V and Output in Phase with Input in a 8-Lead SOIC Package.
IRS2127SPBF	600V Current Sensing Single Channel Driver with Gate Drive Range of 12V - 20V and Output in Phase with Input in a 8-Lead SOIC Package.
IRS2127STRPBF	600V Current Sensing Single Channel Driver with Gate Drive Range of 12V - 20V and Output in Phase with Input in a 8-Lead SOIC Package.
IRS21281SPBF	600V Current Sensing Single Channel Driver with Gate Drive Range of 12V - 20V and Output out of Phase with Input in a 8-Lead SOIC Package.
IRS21281STRPBF	600V Current Sensing Single Channel Driver with Gate Drive Range of 12V - 20V and Output out of Phase with Input in a 8-Lead SOIC Package.
IRS2128SPBF	600V Current Sensing Single Channel Driver with Gate Drive Range of 12V - 20V and Output out of Phase with Input in a 8-Lead SOIC Package.
IRS2128STRPBF	600V Current Sensing Single Channel Driver with Gate Drive Range of 12V - 20V and Output out of Phase with Input in a 8-Lead SOIC Package.
IRS21531DSPBF	Self-Oscillating Half Bridge Driver, 1.1us Deadtime in a 8-pin SOIC package
IRS21531DSTRPBF	Self-Oscillating Half Bridge Driver, 1.1us Deadtime in a 8-pin SOIC package
IRS2153DSPBF	Self-Oscillating Half Bridge Driver, 1.1us Deadtime in a SO-8 package
IRS2153DSTRPBF	Self-Oscillating Half Bridge Driver, 1.1us Deadtime in a SO-8 package
IRS21571DSPBF	Ballast Control IC, 600V .500A SOIC
IRS21571DSTRPBF	Ballast Control IC, 600V .500A SOIC
IRS2158DSPBF	Fully integrated, fully protected 600V ballast control IC designed to drive all types of fluorescent lamps.
IRS2158DSTRPBF	Fully integrated, fully protected 600V ballast control IC designed to drive all types of fluorescent lamps.
IRS2166DSPBF	PFC and Ballast Control IC in a 16-Lead SOIC Package
IRS2166DSTRPBF	PFC and Ballast Control IC in a 16-Lead SOIC Package
IRS21681DSPBF	Advanced PFC and Ballast Control IC
IRS21681DSTRPBF	Advanced PFC and Ballast Control IC
IRS2168DSPBF	Advanced PFC and Ballast Control IC in a 16-Lead SOIC Package
IRS2168DSTRPBF	Advanced PFC and Ballast Control IC in a 16-Lead SOIC Package
IRS21814SPBF	High and Low Side Driver, SoftTurn-On, Noninverting Inputs, Separate High and Low Side Inputs, All High Voltage Pins On One Side, Separate Logic and Power Ground in a 14-lead SOIC package
IRS21814STRPBF	High and Low Side Driver, SoftTurn-On, Noninverting Inputs, Separate High and Low Side Inputs, All High Voltage Pins On One Side, Separate Logic and Power Ground in a 14-lead SOIC package

IRS2181SPBF	High and Low Side Driver, SoftTurn-On, Noninverting Inputs, Separate High and Low Side Inputs in a 8-lead SOIC package
IRS2181STRPBF	High and Low Side Driver, SoftTurn-On, Noninverting Inputs, Separate High and Low Side Inputs in a 8-lead SOIC package
IRS21834SPBF	Half Bridge Side Driver, SoftTurn-On, Low Side Inverting Inputs, Separate High and Low Side Inputs, All High Voltage Pins On One Side, Separate Logic and Power Ground, Programmable 400-5000ns Deadtime in a 14-lead SOIC package
IRS21834STRPBF	Half Bridge Side Driver, SoftTurn-On, Low Side Inverting Inputs, Separate High and Low Side Inputs, All High Voltage Pins On One Side, Separate Logic and Power Ground, Programmable 400-5000ns Deadtime in a 14-lead SOIC package
IRS2183SPBF	Half Bridge Driver, SoftTurn-On, Low Side Inverting Input, Separate High and Low Side Input, 400ns Deadtime in a 8-lead SOIC package
IRS2183STRPBF	Half Bridge Driver, SoftTurn-On, Low Side Inverting Input, Separate High and Low Side Input, 400ns Deadtime in a 8-lead SOIC package
IRS21844SPBF	Half Bridge Driver, SoftTurn-On, Single Input Plus Inverting Shut-Down, All High Voltage Pins on One Side, Separate Logic and Power Ground, Programmable 400-5000ns Deadtime in a 14-lead SOIC package
IRS21844STRPBF	Half Bridge Driver, SoftTurn-On, Single Input Plus Inverting Shut-Down, All High Voltage Pins on One Side, Separate Logic and Power Ground, Programmable 400-5000ns Deadtime in a 14-lead SOIC package
IRS2184SPBF	Half Bridge Driver, SoftTurn-On, Single Input Plus Inverting Shut-Down, 400ns Deadtime in a 8-lead SOIC package
IRS2184STRPBF	Half Bridge Driver, SoftTurn-On, Single Input Plus Inverting Shut-Down, 400ns Deadtime in a 8-lead SOIC package
IRS21850SPBF	600V Single High Side Driver IC with propagation delay matched output channels in a 8-Lead SOIC package.
IRS21850STRPBF	600V Single High Side Driver IC with propagation delay matched output channels in a 8-Lead SOIC package.
IRS21851SPBF	600V Single High Side Driver IC with propagation delay matched output channels in a 8-Lead SOIC package
IRS21851STRPBF	600V Single High Side Driver IC with propagation delay matched output channels in a 8-Lead SOIC package
IRS21853SPBF	Dual High Side Driver in a 16-Lead SOIC Lead Free package
IRS21853STRPBF	Dual High Side Driver in a 16-Lead SOIC Lead Free package
IRS21856SPBF	High voltage and programmable ramp slope control gate driver for MOSFET and IGBT with single high side dual mode driver and low side driver.
IRS21856STRPBF	High voltage and programmable ramp slope control gate driver for MOSFET and IGBT with single high side dual mode driver and low side driver.
IRS21858SPBF	High and Low Side Dual Driver IC
IRS21858STRPBF	High and Low Side Dual Driver IC
IRS21864SPBF	Derived from the IRS2181PBF this High and Low Side Driver in a 14-Lead SOIC package has output source/sink current capability of 4A and 4A
IRS21864STRPBF	Derived from the IRS2181PBF this High and Low Side Driver in a 14-Lead SOIC package has output source/sink current capability of 4A and 4A
IRS21867SPBF	High current (Iout = 4A) robust HS/LS gate driver
IRS21867STRPBF	High current (Iout = 4A) robust HS/LS gate driver

IRS2186SPBF	Derived from the IRS2181PBF this High and Low Side Driver in a 8-Lead SOIC package has output source/sink current capability of 4A and 4A
IRS2186STRPBF	Derived from the IRS2181PBF this High and Low Side Driver in a 8-Lead SOIC package has output source/sink current capability of 4A and 4A
IRS21952SPBF	High Side and Dual Low Side Driver in a 16-pin DIP Lead Free package
IRS21953SPBF	High Side and Dual Low Side Driver in a 16-pin DIP Lead Free package
IRS21956SPBF	Dual Driver IC with floating input
IRS21956STRPBF	Dual Driver IC with floating input
IRS21962SPBF	2 HO for high end optocoupler replacement (Primarily for PDP application) - 5V Vdd and 800mA gate drive
IRS2301SPBF	High and Low Side Driver, SoftTurn-On, Noninverting Inputs in a 8-lead SOIC package
IRS2301STRPBF	High and Low Side Driver, SoftTurn-On, Noninverting Inputs in a 8-lead SOIC package
IRS2302SPBF	Half Bridge Driver, Soft Turn-On, Single Input Plus Shut-Down, Fixed 500ns Deadtime in a 8-Lead package
IRS2302STRPBF	Half Bridge Driver, Soft Turn-On, Single Input Plus Shut-Down, Fixed 500ns Deadtime in a 8-Lead package
IRS2304SPBF	Half Bridge Driver, high voltage, high speed power MOSFET and IGBT driver with independent high and low side referenced output channels.
IRS2304STRPBF	Half Bridge Driver, high voltage, high speed power MOSFET and IGBT driver with independent high and low side referenced output channels.
IRS2308SPBF	High Voltage and High Speed power MOSFET and IGBT Half Bridge Driver in a 8-lead SOIC package
IRS2308STRPBF	High Voltage and High Speed power MOSFET and IGBT Half Bridge Driver in a 8-lead SOIC package
IRS2330DSPBF	600 V Three Phase Driver IC w/ Intgr BSF & integr OperAmpl
IRS2330DSTRPBF	600 V Three Phase Driver IC w/ Intgr BSF & integr OperAmpl
IRS2330SPBF	600 V Three Phase Driver IC w/ integr OperAmpl (no iBSF)
IRS2330STRPBF	600 V Three Phase Driver IC w/ integr OperAmpl (no iBSF)
IRS2332DSPBF	600 V Three Phase Driver IC w/ Intgr BSF & integr OperAmpl
IRS2332DSTRPBF	600 V Three Phase Driver IC w/ Intgr BSF & integr OperAmpl
IRS2332SPBF	600 V Three Phase Driver IC w/ integr OperAmpl (no iBSF)
IRS2332STRPBF	600 V Three Phase Driver IC w/ integr OperAmpl (no iBSF)
IRS2334SPBF	Gen5 HVIC, 600V, 35A Three Phase Gate Driver
IRS2334STRPBF	Gen5 HVIC, 600V, 35A Three Phase Gate Driver
IRS23364DSPBF	600V 3 Phase Driver with Gate Drive of 12-20V, Neg Vs Tolerance in a 28-Lead SOIC Package
IRS23364DSTRPBF	600V 3 Phase Driver with Gate Drive of 12-20V, Neg Vs Tolerance in a 28-Lead SOIC Package
IRS2336DSPBF	600 V Three Phase Driver IC w/ Intgr BSF & Protection
IRS2336DSTRPBF	600 V Three Phase Driver IC w/ Intgr BSF & Protection
IRS2336SPBF	600 V Three Phase Driver IC with Protection (without iBSF)
IRS2336STRPBF	600 V Three Phase Driver IC with Protection (without iBSF)
IRS24531DSPBF	Self-Oscillating Full-Bridge 600V Driver in a 14-Lead SOIC narrow boddy package
IRS24531DSTRPBF	Self-Oscillating Full-Bridge 600V Driver in a 14-Lead SOIC narrow boddy package

IRS2453DSPBF	Self-Oscillating Full-Bridge 600V Driver in a 14-Lead SOIC narrow boddy package
IRS2453DSTRPBF	Self-Oscillating Full-Bridge 600V Driver in a 14-Lead SOIC narrow boddy package
IRS2500SPBF	PFC controller IC
IRS2500STRPBF	PFC controller IC
IRS25091SPBF	600V 999.000A OTHER
IRS2509SPBF	600V 999.000A OTHER
IRS2509STRPBF	600V 999.000A OTHER
IRS2526DSPBF	Fluorescent PFC + Ballast Combo IC
IRS2530DSPBF	Ballast Control IC, 600V .500A SOIC
IRS2530DSTRPBF	Ballast Control IC, 600V .500A SOIC
IRS2538DSPBF	
IRS2538DSTRPBF	
IRS25401SPBF	Hysteretic Buck LED Driver (Improved version of the IRS2540, IRS2541)
IRS25401STRPBF	Hysteretic Buck LED Driver (Improved version of the IRS2540, IRS2541)
IRS2540SPBF	200V Half Bridge Driver LED Buck Regulator in a 8-Pin SOIC Package
IRS2540STRPBF	200V Half Bridge Driver LED Buck Regulator in a 8-Pin SOIC Package
IRS25411SPBF	Hysteretic Buck LED Driver (Improved version of the IRS2540, IRS2541)
IRS25411STRPBF	Hysteretic Buck LED Driver (Improved version of the IRS2540, IRS2541)
IRS2541SPBF	600V Half Bridge Driver LED Buck Regulator in a 8-Pin SOIC Package
IRS2541STRPBF	600V Half Bridge Driver LED Buck Regulator in a 8-Pin SOIC Package
IRS2548DSPBF	PFC + Half Bridge Combo LED Driver IC (variation of the IRS2168D ~ same die / different pinout + package)
IRS2548DSTRPBF	PFC + Half Bridge Combo LED Driver IC (variation of the IRS2168D ~ same die / different pinout + package)
IRS2552DSPBF	CCFL / EEFL Ballast Controller IC
IRS2552DSTRPBF	CCFL / EEFL Ballast Controller IC
IRS2573DSPBF	Buck and Full-bridge HID ballast control IC
IRS2573DSTRPBF	Buck and Full-bridge HID ballast control IC
IRS25803DSTRPBF	
IRS2580DSPBF	Fluorescent PFC + Ballast Combo IC
IRS2580DSTRPBF	Fluorescent PFC + Ballast Combo IC
IRS26072DSPBF	Half-Bridge Driver IC, motion control IC
IRS26072DSTRPBF	Half-Bridge Driver IC, motion control IC
IRS2607DSPBF	High voltage, high speed power MOSFET and IGBT driver with independent high side and low side referenced output channels packaged in a 8-Pin SOIC
IRS2607DSTRPBF	High voltage, high speed power MOSFET and IGBT driver with independent high side and low side referenced output channels packaged in a 8-Pin SOIC
IRS2608DSPBF	Half Bridge Driver, 600V .250A SOIC-8 (compl. Input)
IRS2608DSTRPBF	Half Bridge Driver, 600V .250A SOIC-8 (compl. Input)
IRS2609DSPBF	Half Bridge Driver, 600V .250A SOIC-9 (single input)
IRS2609DSTRPBF	Half Bridge Driver, 600V .250A SOIC-9 (single input)
IRS27951SPBF	Resonant 1/2 Bridge Control IC
IRS27951STRPBF	Resonant 1/2 Bridge Control IC

IRS27952SPBF	Resonant 1/2 Bridge Control IC
IRS27952STRPBF	Resonant 1/2 Bridge Control IC
IRS2983SPBF	
IRS2983STRPBF	
IRS44262STRPBF	
IRS4426SPBF	Dual Low Side Driver, low voltage, high speed power MOSFET and IGBT drivers, Outputs in phase with inputs.
IRS4426STRPBF	Dual Low Side Driver, low voltage, high speed power MOSFET and IGBT drivers, Outputs in phase with inputs.
IRS4427SPBF	Dual Low Side Driver, low voltage, high speed power MOSFET and IGBT drivers, Outputs in phase with inputs.
IRS4427STRPBF	Dual Low Side Driver, low voltage, high speed power MOSFET and IGBT drivers, Outputs in phase with inputs.
IRS4428SPBF	Dual Low Side Driver, low voltage, high speed power MOSFET and IGBT drivers, Outputs in phase with inputs.
IRS4428STRPBF	Dual Low Side Driver, low voltage, high speed power MOSFET and IGBT drivers, Outputs in phase with inputs.
IRSM636-015MATR	600V 999.000A MULTICHIP MODULES
IRSM636-015MB	500V 999.000A MULTICHIP MODULES
IRSM636-015MBTR	500V 999.000A MULTICHIP MODULES
IRSM836-024MA	
IRSM836-024MATR	
IRSM836-025MA	
IRSM836-025MATR	
IRSM836-035MA	
IRSM836-035MATR	
IRSM836-035MB	
IRSM836-044MA	
IRSM836-044MATR	
IRSM836-045MA	
IRSM836-045MATR	
NBC9603	
NBC9604TR	
NBC9606TR	

Qualification:

Parts passed all the reliability testing requirements. Reliability qualification report is available upon request. Qualification standards can be found on International Rectifier's web site at www.irf.com/product-info/reliability

Please contact the PCN Coordinator for supporting data.

Supporting Data Availability:

Contact IR for supporting data on this change.

Contact Information:

CONTACT TYPE	NAME	PHONE	EMAIL
Technical	Mario Dolores		mdolore1@irf.com
PCN Coordinator	Abigail Miciano		AMICIAN1@irf.com