

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

Process Change Notification

Date: Monday, July 20, 2015

PCR Reference: 635

PCN Reference: 635-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:

PDIP Gen5 HVIC Products

Description of Change:

PDIP Gen5 HVIC Products- Alternate site for the assembly and test PDIP Gen5 HVIC products Products listed in the next page will be assembled Hana Thailand with BOM below

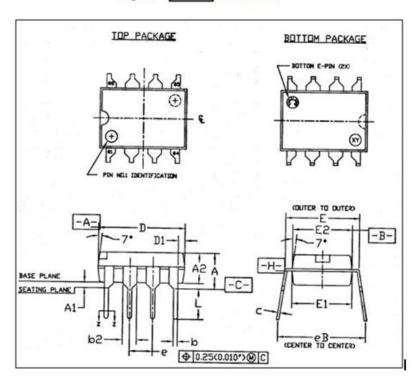
Material	Carsem Malaysia (Current site)	Hana Thailand (Proposed site)	Impact on Form, Fit or Function
Ероху	84-1LMISR4	84-1LMISR4	None
Wire	Cu	Cu	None
Mold compound	CEL8240	CEL8240	None
Terminal Finish	Matte Tin	Matte Tin	None

Package Outline Comparison - PDIP8L

- 0		IR POD mm		HANA mm		DEMARKS	
SYMBOL	DESCRIPTION	MIN	MAX	MIN	MAX	REMARKS	
A	Top of pkg to lead stand off	-	5.33	3.68	3.92	Within IR	
A1	8tm of pkg to lead stand off	0.39	-	0.38		Within IR	
A2	Package thickness			3.25 3.35			
b	Lead width (with plating)	0.36	0.56	0.36	0.56	same	
b2	Lead stand off width 1.15 1.77		1,524	4 BSC	Within IR		
c	Lead thickness (with plating)	0.20	0.38	0.20 0.36		Within IR	

C	[Lead thickness (With planny)	0.20	0.30	V.20	0.30	AANTHU NA
D	Package length	8.84	10.92	9.45	9.55	Within IR
E	Lead to lead shoulder	7.62 REF		7.71	8.13	Within IR
E1	Package width	6.10	7.11	6.57	6.67	Within IR
e	Lead pitch	2.54 BSC		2.54	BSC	same
eB				7.87	9.65	
L	Lead length	2.93	4.06	3.05	3.55	Within IR

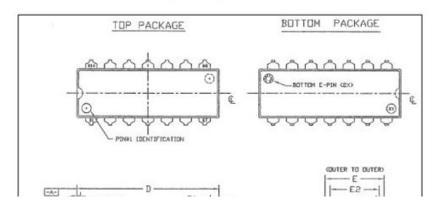
Legend: No dim in POD

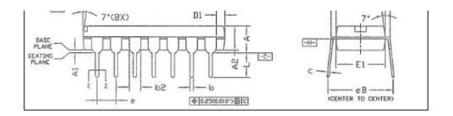


Package Outline Comparison - PDIP14L

		IR POD		HANA			
2017-1-12-22	2020/00/00/00	mm		mm		DEMARKS	
SYMBOL	DESCRIPTION	MIN	MAX	MIN	MAX	REMARKS	
Α	Top of pkg to lead stand off	-	5.33	3.55	4.04	Within IR	
A1	8tm of pkg to lead stand off	0.39	-	0.38	-	Within IR	
A2	Package thickness		Commence of	3.20	3.40		
b	Lead width (with plating)	0.36	0.56	0.36	0.56	same	
b2 Lead stand off width		1.15	1.77	1.524 BSC		Within IR	
С	Lead thickness (with plating)	0.20	0.38	0.20	0.28	Within IR	
D	Package length	18.42	20.19	18.90	19.25	Within IR	
E	Lead to lead shoulder	7.62 REF				Within IR	
E1	Package width	6.10	7.11	6.50	6.70	Within IR	
e Lead pitch		2.54 BSC		2.54 BSC		same	
еВ	Land Application of the Control of t		9	7.87	9.65		
L	Lead length	2.93	4.06	3.05	3.55	Within IR	

Legend: No dim in POD

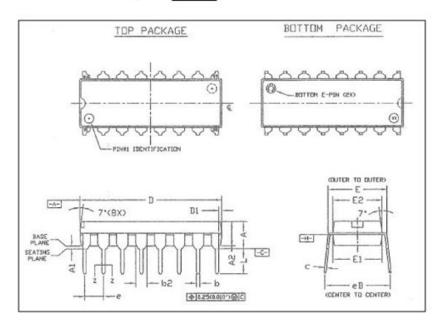




Package Outline Comparison - PDIP16L

		IR POD mm		HANA mm		DEMARKS	
	20000000000000000000000000000000000000						
YMBOL	DESCRIPTION	MIN	MAX	MIN	MAX	REMARKS	
Α	Top of pkg to lead stand off	-	5.33	3.55	4.05	Within IR	
A1	8tm of pkg to lead stand off	0.39	-	0.38	-	Within IR	
A2	Package thickness		1	3.20	3.40		
b	Lead width (with plating)	0.36	0.56	0.36	0.56	same	
b2 Lead stand off width		1.15	1.77	1.524 BSC		Within IR	
С	Lead thickness (with plating)	0.20	0.38	0.20	0.36	Within IR	
D	Package length	18.93	21.33	18.90	19.25	Within IR	
E	Lead to lead shoulder	7.62	REF				
E1	Package width	6.10	7.11	6.50	6.70	Within IR	
e Lead pitch		2.54 BSC		2.54 BSC		same	
eB	E COST INC	20,310		7.87	9.65	Security	
L	Lead length	2.93	4.06	3.05	3.55	Within IR	

Legend: No dim in POD



Reason for the Change:

Additional assembly and test capacity and BOM standardization

Effect Date:

Sunday, October 18, 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:

No impact is expected. The new Bill of Materials and Assembly site will meet the same parametric, MSL and Qualification level as the existing products. Product Datasheets will remain unchanged.

Method of Identifying Changed Product:

The part marking will be updated to include an "underscore" after the last digit of the Lot Code to identify the part as a Copper wire based device.

Products Affected:

IR Part	Description
IRS2001PBF	High and Low Side Driver in a 8-Lead PDIP package
IRS2003PBF	Half Bridge Driver, high speed power MOSFET and IGBT drivers with
IRSZUUSFBF	dependent high and low side referenced output channels
IRS2004PBF	Half Bridge Driver, high speed power MOSFET and IGBT drivers with dependent high and low side referenced output channels
IRS2011PBF	High and Low Side Driver in a 8-Lead PDIP package
IRS2092PBF	200V Digital Audio Driver in a 16-lead P-DIP Package
IRS2101PBF	High and Low Side Driver in a 8-pin DIP package
IRS2103PBF	Half Bridge Driver, Separate High and Low Side Inputs, Inverting Low Side Input, Fixed 520ns Deadtime in a 8-pin DIP package
IRS2104PBF	Half Bridge Driver, Single Input Plus Inverting Shutdown Pin, Fixed 520ns Deadtime in a 8-pin DIP package
IRS21064PBF	High and Low Side Driver, SoftTurn-On, Noninverting Inputs, All High Voltage Pins on One Side, Separate Logic and Power Ground in a 14-pin DIP package
IRS2106PBF	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 DIP package
IRS21084PBF	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-pin DIP package
IRS2108PBF	Half Bridge Driver, Soft Turn-On, Separate High and Low Side Inputs, Fixed 540ns Deadtime in a 8-pin DIP package
IRS21091PBF	Half Bridge Driver in a 8-pin DIP package
IRS21094PBF	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-pin DIP package
IRS2109PBF	Half Bridge Driver, Soft Turn-On, Single Input Plus Shut-Down, Fixed 540ns Deadtime in a 8-pin DIP package
IRS2110PBF	High and Low Side Driver, All High Voltage Pins On One Side, Separate Logic and Power Ground, Shut-Down, High Creepage Package in a 14-pin DIP Lead Free package
IRS2111PBF	Half Bridge Driver, Fixed 650ns Deadtime in a 8-Lead PDIP package
IRS2112PBF	High and Low Side Driver, Shutdown Input in a 14-pin DIP package
IRS2113PBF	High and Low Side Driver, All High Voltage Pins On One Side, Separate Logic and Power Ground, Shut-Down, High Creepage Package in a 14-pin DIP Lead Free package
IRS2117PBF	Single High Side Driver, Noninverting Input in a 8-pin DIP package
IRS2118PBF	Single High Side Driver, Inverting Input in a 8-pin DIP package

IRS21271PBF 600V Current Sensing Single Channel Driver with Gate Drive Range of 12V - 20V and Output in Phase with Input in a 8-Lead PDIP Package. 600V Current Sensing Single Channel Driver with Gate Drive Range of 12V - 20V and Output in Phase with Input in a 8-Lead PDIP Package. 600V Current Sensing Single Channel Driver with Gate Drive Range of 12V - 20V and Output out of Phase with Input in a 8-Lead PDIP Package. 600V Current Sensing Single Channel Driver with Gate Drive Range of 12V - 20V and Output out of Phase with Input in a 8-Lead PDIP Package. 600V Current Sensing Single Channel Driver with Gate Drive Range of 12V - 20V and Output out of Phase with Input in a 8-Lead PDIP Package. 600V Current Sensing Single Channel Driver with Gate Drive Range of 12V - 20V and Output out of Phase with Input in a 8-Lead PDIP Package. 600V Current Sensing Single Channel Driver with Gate Drive Range of 12V - 20V and Output out of Phase with Input in a 8-Lead PDIP Package. 600V Current Sensing Single Channel Driver with Gate Drive Range of 12V - 20V and Output out of Phase with Input in a 8-Lead PDIP Package. 600V Current Sensing Single Channel Driver with Gate Drive Range of 12V - 20V and Output out of Phase with Input in a 8-Lead PDIP Package. 600V Current Sensing Single Channel Driver with Gate Drive Range of 12V - 20V and Output out of Phase with Input in a 8-pin DIP package. 600V Current Sensing Single Channel Driver with Gate Drive Range of 12V - 20V and Output out of Phase with Input in a 8-pin DIP package. 600V Current Sensing Single Channel Driver with Gate Drive Range of 12V - 20V and Output out of Phase with Input in a 8-pin DIP package. 600V Current Sensing Single Channel Driver with Gate Drive Range of 12V - 20V and Durby Backage Pins On One Side, Separate Logic and Power Ground, Programmable 400-5000ns Deadtime in a 14-pin DIP package 600V Current Sensing Single Channel Driver Mith Single Phase Pin DIP package 600V Current Sensing Single Channel Driver Mith Input Pins Package 600V Current Sen	ļ	
IRS21281PBF 20V and Output in Phase with Input in a 8-Lead PDIP Package. 600V Current Sensing Single Channel Driver with Gate Drive Range of 12V - 20V and Output out of Phase with Input in a 8-Lead PDIP Package. 600V Current Sensing Single Channel Driver with Gate Drive Range of 12V - 20V and Output out of Phase with Input in a 8-Lead PDIP Package. RS21531DPBF 600V Current Sensing Single Channel Driver with Gate Drive Range of 12V - 20V and Output out of Phase with Input in a 8-Lead PDIP Package. RS21531DPBF Self-Oscillating Half Bridge Driver, 1.1us Deadtime in a 8-pin DIP package RS2158DPBF Fully integrated, fully protected 600V ballast control IC designed to drive all types of fluorescent lamps. RS2166DPBF PFC and Ballast Control IC in a 16-Lead PDIP Package RS2168DPBF Advanced PFC and Ballast Control IC in a 16-Lead PDIP Package 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-pin DIP package RS21834PBF RS21834PBF Half Bridge 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-pin DIP package RS21834PBF RS21844PBF RS21844PBF Half Bridge Driver, SoftTurn-On, Low Side Inverting Input, 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-pin DIP package RS2184PBF RS2184PBF 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-pin DIP package RS21864PBF Derived from the IRS2181PBF this High and Low Side Driver in a 14-Lead PDIP package has output source/sink current capability of 4A and 4A Half Bridge Driver, high voltage, high speed power MOSFET and IGBT driver with independent high and low side referenced output	IRS21271PBF	600V Current Sensing Single Channel Driver with Gate Drive Range of 12V - 20V and Output in Phase with Input in a 8-Lead PDIP Package.
IRS2128PBF 20V and Output out of Phase with Input in a 8-Lead PDIP Package. IRS2128PBF 600V Current Sensing Single Channel Driver with Gate Drive Range of 12V - 20V and Output out of Phase with Input in a 8-Lead PDIP Package. IRS21531DPBF Self-Oscillating Half Bridge Driver, 1.1us Deadtime in a 8-pin DIP package. IRS2158DPBF Self-Oscillating Half Bridge Driver, 1.1us Deadtime in a 8-pin DIP package. IRS2158DPBF Fully integrated, fully protected 600V ballast control IC designed to drive all types of fluorescent lamps. IRS2166DPBF PFC and Ballast Control IC in a 16-Lead PDIP Package IRS2168DPBF Advanced PFC and Ballast Control IC in a 16-Lead PDIP Package IRS21814PBF 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-pin DIP package IRS2181PBF Half Bridge 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-pin DIP package IRS2183PBF Half Bridge Driver, SoftTurn-On, Low Side Inverting Input, Separate High and Low Side Inputs, 400ns Deadtime in a 8-pin DIP package IRS2184PBF 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-pin DIP package IRS2184PBF Derived from the IRS2181PBF this High and Low Side Driver in a 14-Lead PDIP package has output source/sink current capability of 4A and 4A IRS2304PBF High Voltage and High Speed power MOSFET and IGBT driver with independent high and low side referenced output channels. IRS2308PBF Self-Oscillating Full-Bridge 600V Driver in a 14-Lead PDIP package	IRS2127PBF	
RS21531DPBF 20V and Output out of Phase with Input in a 8-Lead PDIP Package. RS21531DPBF Self-Oscillating Half Bridge Driver, 1.1us Deadtime in a 8-pin DIP package RS2153DPBF Self-Oscillating Half Bridge Driver, 1.1us Deadtime in a 8-pin DIP package. RS2158DPBF Self-Oscillating Half Bridge Driver, 1.1us Deadtime in a 8-pin DIP package. RS2158DPBF Fully integrated, fully protected 600V ballast control IC designed to drive all types of fluorescent lamps. RS2166DPBF PFC and Ballast Control IC in a 16-Lead PDIP Package RS2168DPBF Advanced PFC and Ballast Control IC in a 16-Lead PDIP Package 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-pin DIP package Half Bridge 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-pin DIP package Half Bridge Driver, SoftTurn-On, Low Side Inverting Input, Separate High and Low Side Input, 400ns Deadtime in a 8-pin DIP package Half Bridge Driver, SoftTurn-On, Single Inverting Input, Separate High and Low Side Input, 400ns Deadtime in a 8-pin DIP package 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-pin DIP package RS2184PBF Derived from the IRS2181PBF this High and Low Side Driver in a 14-Lead PDIP package has output source/sink current capability of 4A and 4A Half Bridge Driver, high voltage, high speed power MOSFET and IGBT driver with independent high and low side referenced output channels. RS2308PBF Self-Oscillating Full-Bridge 600V Driver in a 14-Lead PDIP package Self-Oscillating Full-Bridge 600V Driver in a 14-Lead PDIP package RS2453DPBF Self-Oscillating Full-Bridge 600V Driver in a 14-Lead PDIP package RS2453DPBF Self-Oscilla	IRS21281PBF	
IRS2153DPBF Self-Oscillating Half Bridge Driver, 1.1us Deadtime in a 8-pin DIP package. IRS2158DPBF Fully integrated, fully protected 600V ballast control IC designed to drive all types of fluorescent lamps. IRS2166DPBF PFC and Ballast Control IC in a 16-Lead PDIP Package IRS2168DPBF Advanced PFC and Ballast Control IC in a 16-Lead PDIP Package 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-pin DIP package IRS2181PBF Half Bridge Driver, SoftTurn-On, Noninverting Inputs, Separate High and Low Side Inputs in a 8-pin DIP package Half Bridge 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-pin DIP package IRS2183PBF Half Bridge Driver, SoftTurn-On, Low Side Inverting Input, Separate High and Low Side Input, 400ns Deadtime in a 8-pin DIP package 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-pin DIP package IRS2184PBF 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-pin DIP package IRS21864PBF Derived from the IRS2181PBF this High and Low Side Driver in a 14-Lead PDIP package has output source/sink current capability of 4A and 4A IRS2304PBF High Voltage and High Speed power MOSFET and IGBT driver with independent high and low side referenced output channels. High Voltage and High Speed power MOSFET and IGBT Half Bridge Driver in a 8-pin DIP package Self-Oscillating Full-Bridge 600V Driver in a 14-Lead PDIP package	IRS2128PBF	
IRS2158DPBF Fully integrated, fully protected 600V ballast control IC designed to drive all types of fluorescent lamps. IRS2166DPBF PFC and Ballast Control IC in a 16-Lead PDIP Package IRS2168DPBF Advanced PFC and Ballast Control IC in a 16-Lead PDIP Package 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-pin DIP package High and Low Side Driver, SoftTurn-On, Noninverting Inputs, Separate High and Low Side Inputs in a 8-pin DIP package Half Bridge 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-pin DIP package IRS2183PBF Half Bridge Driver, SoftTurn-On, Low Side Inverting Input, Separate High and Low Side Input, 400ns Deadtime in a 8-pin DIP package 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-pin DIP package IRS2184PBF Half Bridge Driver, SoftTurn-On, Single Input Plus Inverting Shut-Down, 400ns Deadtime in a 8-pin DIP package IRS21864PBF Derived from the IRS2181PBF this High and Low Side Driver in a 14-Lead PDIP package has output source/sink current capability of 4A and 4A IRS2304PBF Half Bridge Driver, high voltage, high speed power MOSFET and IGBT driver with independent high and low side referenced output channels. High Voltage and High Speed power MOSFET and IGBT Half Bridge Driver in a 8-pin DIP package IRS2453DPBF Self-Oscillating Full-Bridge 600V Driver in a 14-Lead PDIP package	IRS21531DPBF	Self-Oscillating Half Bridge Driver, 1.1us Deadtime in a 8-pin DIP package
types of fluorescent lamps. IRS2166DPBF PFC and Ballast Control IC in a 16-Lead PDIP Package IRS2168DPBF Advanced PFC and Ballast Control IC in a 16-Lead PDIP Package 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-pin DIP package IRS2181PBF High and Low Side Driver, SoftTurn-On, Noninverting Inputs, Separate High and Low Side Inputs in a 8-pin DIP package Half Bridge 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-pin DIP package IRS2183PBF Half Bridge Driver, SoftTurn-On, Low Side Inverting Input, Separate High and Low Side Input, 400ns Deadtime in a 8-pin DIP package 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-pin DIP package IRS2184PBF Half Bridge Driver, SoftTurn-On, Single Input Plus Inverting Shut-Down, 400ns Deadtime in a 8-pin DIP package Derived from the IRS2181PBF this High and Low Side Driver in a 14-Lead PDIP package has output source/sink current capability of 4A and 4A Half Bridge Driver, high voltage, high speed power MOSFET and IGBT driver with independent high and low side referenced output channels. High Voltage and High Speed power MOSFET and IGBT Half Bridge Driver in a 8-pin DIP package IRS2308PBF Self-Oscillating Full-Bridge 600V Driver in a 14-Lead PDIP package	IRS2153DPBF	Self-Oscillating Half Bridge Driver, 1.1us Deadtime in a 8-pin DIP package.
IRS21814PBF Advanced PFC and Ballast Control IC in a 16-Lead PDIP Package 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-pin DIP package IRS2181PBF High and Low Side Driver, SoftTurn-On, Noninverting Inputs, Separate High and Low Side Inputs in a 8-pin DIP package Half Bridge 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-pin DIP package IRS2183PBF Half Bridge Driver, SoftTurn-On, Low Side Inverting Input, Separate High and Low Side Input, 400ns Deadtime in a 8-pin DIP package 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-pin DIP package IRS2184PBF Half Bridge Driver, SoftTurn-On, Single Input Plus Inverting Shut-Down, 400ns Deadtime in a 8-pin DIP package IRS21864PBF Derived from the IRS2181PBF this High and Low Side Driver in a 14-Lead PDIP package has output source/sink current capability of 4A and 4A IRS2304PBF High Voltage and High Speed power MOSFET and IGBT driver with independent high and low side referenced output channels. High Voltage and High Speed power MOSFET and IGBT Half Bridge Driver in a 8-pin DIP package IRS2453DPBF Self-Oscillating Full-Bridge 600V Driver in a 14-Lead PDIP package	IRS2158DPBF	
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-pin DIP package IRS2181PBF High and Low Side Driver, SoftTurn-On, Noninverting Inputs, Separate High and Low Side Inputs in a 8-pin DIP package Half Bridge 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-pin DIP package IRS2183PBF Half Bridge Driver, SoftTurn-On, Low Side Inverting Input, Separate High and Low Side Input, 400ns Deadtime in a 8-pin DIP package 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-pin DIP package IRS2184PBF Half Bridge Driver, SoftTurn-On, Single Input Plus Inverting Shut-Down, 400ns Deadtime in a 8-pin DIP package IRS21864PBF Derived from the IRS2181PBF this High and Low Side Driver in a 14-Lead PDIP package has output source/sink current capability of 4A and 4A IRS2304PBF High Voltage and High Speed power MOSFET and IGBT driver with independent high and low side referenced output channels. IRS2308PBF Self-Oscillating Full-Bridge 600V Driver in a 14-Lead PDIP package	IRS2166DPBF	PFC and Ballast Control IC in a 16-Lead PDIP Package
IRS2181PBF and Low Side Inputs, All High Voltage Pins On One Side, Separate Logic and Power Ground in a 14-pin DIP package High and Low Side Driver, SoftTurn-On, Noninverting Inputs, Separate High and Low Side Inputs in a 8-pin DIP package Half Bridge 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-pin DIP package Half Bridge Driver, SoftTurn-On, Low Side Inverting Input, Separate High and Low Side Input, 400ns Deadtime in a 8-pin DIP package 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-pin DIP package IRS2184PBF IRS21864PBF Derived from the IRS2181PBF this High and Low Side Driver in a 14-Lead PDIP package has output source/sink current capability of 4A and 4A Half Bridge Driver, high voltage, high speed power MOSFET and IGBT driver with independent high and low side referenced output channels. High Voltage and High Speed power MOSFET and IGBT Half Bridge Driver in a 8-pin DIP package RS2308PBF Self-Oscillating Full-Bridge 600V Driver in a 14-Lead PDIP package	IRS2168DPBF	Advanced PFC and Ballast Control IC in a 16-Lead PDIP Package
and Low Side Inputs in a 8-pin DIP package Half Bridge 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-pin DIP package Half Bridge Driver, SoftTurn-On, Low Side Inverting Input, Separate High and Low Side Input, 400ns Deadtime in a 8-pin DIP package 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-pin DIP package IRS2184PBF Half Bridge Driver, SoftTurn-On, Single Input Plus Inverting Shut-Down, 400ns Deadtime in a 8-pin DIP package Derived from the IRS2181PBF this High and Low Side Driver in a 14-Lead PDIP package has output source/sink current capability of 4A and 4A Half Bridge Driver, high voltage, high speed power MOSFET and IGBT driver with independent high and low side referenced output channels. IRS2308PBF High Voltage and High Speed power MOSFET and IGBT Half Bridge Driver in a 8-pin DIP package Self-Oscillating Full-Bridge 600V Driver in a 14-Lead PDIP package	IRS21814PBF	and Low Side Inputs, All High Voltage Pins On One Side, Separate Logic and
IRS21834PBF Low Side Inputs, All High Voltage Pins On One Side, Separate Logic and Power Ground, Programmable 400-5000ns Deadtime in a 14-pin DIP package Half Bridge Driver, SoftTurn-On, Low Side Inverting Input, Separate High and Low Side Input, 400ns Deadtime in a 8-pin DIP package 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-pin DIP package IRS2184PBF Half Bridge Driver, SoftTurn-On, Single Input Plus Inverting Shut-Down, 400ns Deadtime in a 8-pin DIP package Derived from the IRS2181PBF this High and Low Side Driver in a 14-Lead PDIP package has output source/sink current capability of 4A and 4A IRS2304PBF Half Bridge Driver, high voltage, high speed power MOSFET and IGBT driver with independent high and low side referenced output channels. High Voltage and High Speed power MOSFET and IGBT Half Bridge Driver in a 8-pin DIP package IRS2453DPBF Self-Oscillating Full-Bridge 600V Driver in a 14-Lead PDIP package	IRS2181PBF	
Low Side Input, 400ns Deadtime in a 8-pin DIP package 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-pin DIP package Half Bridge Driver, SoftTurn-On, Single Input Plus Inverting Shut-Down, 400ns Deadtime in a 8-pin DIP package IRS21864PBF Derived from the IRS2181PBF this High and Low Side Driver in a 14-Lead PDIP package has output source/sink current capability of 4A and 4A Half Bridge Driver, high voltage, high speed power MOSFET and IGBT driver with independent high and low side referenced output channels. High Voltage and High Speed power MOSFET and IGBT Half Bridge Driver in a 8-pin DIP package IRS2453DPBF Self-Oscillating Full-Bridge 600V Driver in a 14-Lead PDIP package	IRS21834PBF	Low Side Inputs, All High Voltage Pins On One Side, Separate Logic and
IRS21844PBF High Voltage Pins on One Side, Separate Logic and Power Ground, Programmable 400-5000ns Deadtime in a 14-pin DIP package Half Bridge Driver, SoftTurn-On, Single Input Plus Inverting Shut-Down, 400ns Deadtime in a 8-pin DIP package Derived from the IRS2181PBF this High and Low Side Driver in a 14-Lead PDIP package has output source/sink current capability of 4A and 4A Half Bridge Driver, high voltage, high speed power MOSFET and IGBT driver with independent high and low side referenced output channels. High Voltage and High Speed power MOSFET and IGBT Half Bridge Driver in a 8-pin DIP package IRS2453DPBF Self-Oscillating Full-Bridge 600V Driver in a 14-Lead PDIP package	IRS2183PBF	
Deadtime in a 8-pin DIP package Derived from the IRS2181PBF this High and Low Side Driver in a 14-Lead PDIP package has output source/sink current capability of 4A and 4A Half Bridge Driver, high voltage, high speed power MOSFET and IGBT driver with independent high and low side referenced output channels. High Voltage and High Speed power MOSFET and IGBT Half Bridge Driver in a 8-pin DIP package IRS2453DPBF Self-Oscillating Full-Bridge 600V Driver in a 14-Lead PDIP package	IRS21844PBF	High Voltage Pins on One Side, Separate Logic and Power Ground,
PDIP package has output source/sink current capability of 4A and 4A IRS2304PBF Half Bridge Driver, high voltage, high speed power MOSFET and IGBT driver with independent high and low side referenced output channels. High Voltage and High Speed power MOSFET and IGBT Half Bridge Driver in a 8-pin DIP package IRS2453DPBF Self-Oscillating Full-Bridge 600V Driver in a 14-Lead PDIP package	IRS2184PBF	
with independent high and low side referenced output channels. IRS2308PBF High Voltage and High Speed power MOSFET and IGBT Half Bridge Driver in a 8-pin DIP package IRS2453DPBF Self-Oscillating Full-Bridge 600V Driver in a 14-Lead PDIP package	IRS21864PBF	
a 8-pin DIP package IRS2453DPBF Self-Oscillating Full-Bridge 600V Driver in a 14-Lead PDIP package	IRS2304PBF	
	IRS2308PBF	
IRS2552DPBF CCFL / EEFL Ballast Controller IC	IRS2453DPBF	Self-Oscillating Full-Bridge 600V Driver in a 14-Lead PDIP package
	IRS2552DPBF	CCFL / EEFL Ballast Controller IC

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

Supporting Data Availability:

Contact IR for supporting data on this change.

Contact Information:

CONTACT TYPE	NAME	PHONE	EMAIL
PCN Coordinator	Mark Ogden	+001-951-375-2334	mogden1@irf.com
Technical	Mario Dolores	+6635350803 ext 556	Mario-Antonio.Dolores@infineon.com