



101 North Sepulveda Boulevard, El Segundo, California, 90245, USA Telephone: +1 310 726 8000 [www.irf.com](http://www.irf.com)

## Process Change Notification

**Date:** Monday, August 31, 2015

**PCR Reference:** 228

**PCN Reference:** 228-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:

Bill of Materials change

### Description of Change:

Power Management Devices – D2Pak and TO-262 Power MOSFET products

GTBF (China) will change the Bill of Materials for the assembly of D2Pak and TO-262 as follows:

ITEM	EXISTING	TARGET
<u>Leadframe</u>	Selective Nickel with 100Sn plating	Bare Copper with 100Sn plating

### Reason for the Change:

Bill of Materials consolidation

### Effect Date:

Sunday, November 29, 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:**

There will be no change in datasheet parameters and package outline dimensions (POD) as the result of this change. The new Bill of Materials will meet the same qualification level as the existing products.

**Method of Identifying Changed Product:**

Date code and Lot code information

**Products Affected:**

IR Part	Description
64-2079PBF	
64-2084PBF	
64-2116PBF	
64-2129PBF	
64-2140PBF	
64-2141PBF	
64-2158PBF	
64-2159PBF	
94-2358PBF	
IRF1010ESTRLPBF	MOSFET, 60V, 83A, 12 mOhm, 86.6 nC Qg, D2-Pak
IRF1010EZSPBF	MOSFET, 60V, 84A, 8.5 mOhm, 58 nC Qg, D2-Pak
IRF1010EZSTRLP	MOSFET, 60V, 84A, 8.5 mOhm, 58 nC Qg, D2-Pak
IRF1010NSPBF	MOSFET, 55V, 84A, 11 mOhm, 80 nC Qg, D2-Pak
IRF1010NSTRLPBF	MOSFET, 55V, 84A, 11 mOhm, 80 nC Qg, D2-Pak
IRF1010NSTRRPBF	MOSFET, 55V, 84A, 11 mOhm, 80 nC Qg, D2-Pak
IRF1010ZSTRLPBF	MOSFET, 55V, 94A, 7.5 mOhm, 63 nC Qg, D2-Pak
IRF1010ZSTRRPBF	MOSFET, 55V, 94A, 7.5 mOhm, 63 nC Qg, D2-Pak
IRF1018ESLPBF	MOSFET, 60V, 79A, 8.4 mOhm, 46 nC Qg, TO-262
IRF1018ESPBF	MOSFET, 60V, 79A, 8.4 mOhm, 46 nC Qg, D2-PAK
IRF1018ESTRLPBF	MOSFET, 60V, 79A, 8.4 mOhm, 46 nC Qg, D2-PAK
IRF1104LPBF	
IRF1310NSPBF	MOSFET, 100V, 42A, 36 mOhm, 73.3 nC Qg, D2-Pak
IRF1310NSTRLPBF	MOSFET, 100V, 42A, 36 mOhm, 73.3 nC Qg, D2-Pak
IRF1310NSTRRPBF	
IRF1404LPBF	MOSFET, 40V, 162A, 4 mOhm, 160 nC Qg, TO-262
IRF1404SPBF	MOSFET, 40V, 162A, 4 mOhm, 160 nC Qg, D2-Pak
IRF1404STRLPBF	MOSFET, 40V, 162A, 4 mOhm, 160 nC Qg, D2-Pak
IRF1404STRRPBF	MOSFET, 40V, 162A, 4 mOhm, 160 nC Qg, D2-Pak
IRF1404ZSPBF	MOSFET, 40V, 190A, 3.7 mOhm, 100 nC Qg, D2-Pak
IRF1404ZSTRLPBF	MOSFET, 40V, 190A, 3.7 mOhm, 100 nC Qg, D2-Pak
IRF1405SPBF	MOSFET, 55V, 131A, 5.3 mOhm, 170 nC Qg, D2-Pak
IRF1405STRLPBF	MOSFET, 55V, 131A, 5.3 mOhm, 170 nC Qg, D2-Pak

IRF1405STRRPBF	MOSFET, 55V, 131A, 5.3 mOhm, 170 nC Qg, D2-Pak
IRF1405ZSPBF	MOSFET, 55V, 150A, 4.9 mOhm, 120 nC Qg, D2-Pak
IRF1405ZSTRLPBF	MOSFET, 55V, 150A, 4.9 mOhm, 120 nC Qg, D2-Pak
IRF1407STRLPBF	MOSFET, 75V, 100A, 7.8 mOhm, 160 nC Qg, D2-Pak
IRF1407STRRPBF	MOSFET, 75V, 100A, 7.8 mOhm, 160 nC Qg, D2-Pak
IRF1503SPBF	MOSFET, 30V, 190A, 3.3 mOhm, 130 nC Qg, D2-Pak
IRF1503STRLPBF	MOSFET, 30V, 190A, 3.3 mOhm, 130 nC Qg, D2-Pak
IRF2204SPBF	MOSFET, 40V, 170A, 3.6 mOhm, 130 nC Qg, D2-Pak
IRF2804LPBF	MOSFET, 40V, 280A, 2.3 mOhm, 160 nC Qg, TO-262
IRF2804SPBF	MOSFET, 40V, 280A, 2.3 mOhm, 160 nC Qg, D2-Pak
IRF2804STRLPBF	MOSFET, 40V, 280A, 2.3 mOhm, 160 nC Qg, D2-Pak
IRF2804STRRPBF	MOSFET, 40V, 280A, 2.3 mOhm, 160 nC Qg, D2-Pak
IRF2805SPBF	MOSFET, 55V, 135A, 4.7 mOhm, 150 nC Qg, D2-Pak
IRF2805STRLPBF	MOSFET, 55V, 135A, 4.7 mOhm, 150 nC Qg, D2-Pak
IRF2807SPBF	MOSFET, 75V, 82A, 13 mOhm, 106.7 nC Qg, D2-Pak
IRF2807STRLPBF	MOSFET, 75V, 82A, 13 mOhm, 106.7 nC Qg, D2-Pak
IRF2807STRRPBF	MOSFET, 75V, 82A, 13 mOhm, 106.7 nC Qg, D2-Pak
IRF2807ZSPBF	MOSFET, 75V, 89A, 9.4 mOhm, 71 nC Qg, D2-Pak
IRF2807ZSTRLPBF	MOSFET, 75V, 89A, 9.4 mOhm, 71 nC Qg, D2-Pak
IRF2903ZSPBF	MOSFET, 30V, 260A, 2.4 mOhm, 160 nC Qg, D2-Pak
IRF2903ZSTRLP	MOSFET, 30V, 260A, 2.4 mOhm, 160 nC Qg, D2-Pak
IRF2907ZSPBF	MOSFET, 75V, 170A, 4.5 mOhm, 180 nC Qg, D2-Pak
IRF2907ZSTRLPBF	MOSFET, 75V, 170A, 4.5 mOhm, 180 nC Qg, D2-Pak
IRF3007SPBF	MOSFET, 75V, 62A, 12.6 mOhm, 89 nC Qg, D2-Pak
IRF3007STRLPBF	75V D2PAK
IRF3205LPBF	MOSFET, 55V, 110A, 8 mOhm, 97.3 nC Qg, TO-262
IRF3205SPBF	MOSFET, 55V, 110A, 8 mOhm, 97.3 nC Qg, D2-Pak
IRF3205STRLPBF	MOSFET, 55V, 110A, 8 mOhm, 97.3 nC Qg, D2-Pak
IRF3205ZLPBF	MOSFET, 55V, 110A, 6.5 mOhm, 76 nC Qg, TO-262
IRF3205ZSTRLPBF	MOSFET, 55V, 110A, 6.5 mOhm, 76 nC Qg, D2-Pak
IRF3315SPBF	MOSFET, 150V, 21A, 82 mOhm, 63.3 nC Qg, D2-Pak
IRF3315STRLPBF	MOSFET, 150V, 21A, 82 mOhm, 63.3 nC Qg, D2-Pak
IRF3415SPBF	MOSFET, 150V, 43A, 42 mOhm, 133.3 nC Qg, D2-Pak
IRF3415STRLPBF	MOSFET, 150V, 43A, 42 mOhm, 133.3 nC Qg, D2-Pak
IRF3610SPBF	
IRF3610STRLPBF	
IRF3704ZCSPBF	
IRF3704ZSPBF	MOSFET, 20V, 67A, 7.9 mOhm, 8.7 nC Qg, D2-Pak
IRF3707ZSPBF	MOSFET, 30V, 59A, 9.5 mOhm, 9.7 nC Qg, D2-Pak
IRF3709SPBF	MOSFET, 30V, 90A, 9 mOhm, 27 nC Qg, D2-Pak
IRF3709STRLPBF	MOSFET, 30V, 90A, 9 mOhm, 27 nC Qg, D2-Pak
IRF3709ZCSTRLP	
IRF3709ZCSTRRP	
IRF3709ZSTRRPBF	MOSFET, 30V, 87A, 6.3 mOhm, 17 nC Qg, D2-Pak
IRF3710LPBF	MOSFET, 100V, 57A, 23 mOhm, 86.7 nC Qg, TO-262
IRF3710SPBF	MOSFET, 100V, 57A, 23 mOhm, 86.7 nC Qg, D2-Pak

IRF3710STRLPBF	MOSFET, 100V, 57A, 23 mOhm, 86.7 nC Qg, D2-Pak
IRF3710STRRPBF	MOSFET, 100V, 57A, 23 mOhm, 86.7 nC Qg, D2-Pak
IRF3710ZLPBF	MOSFET, 100V, 59A, 18 mOhm, 82 nC Qg, TO-262
IRF3710ZSPBF	MOSFET, 100V, 59A, 18 mOhm, 82 nC Qg, D2-Pak
IRF3710ZSTRLPBF	MOSFET, 100V, 59A, 18 mOhm, 82 nC Qg, D2-Pak
IRF3805SPBF	MOSFET, 55V, 220A, 3.3 mOhm, 190 nC Qg, D2-Pak
IRF3805STRLPBF	MOSFET, 55V, 220A, 3.3 mOhm, 190 nC Qg, D2-Pak
IRF3808SPBF	MOSFET, 75V, 105A, 7 mOhm, 150 nC Qg, D2-Pak
IRF3808STRLPBF	MOSFET, 75V, 105A, 7 mOhm, 150 nC Qg, D2-Pak
IRF3808STRRPBF	MOSFET, 75V, 105A, 7 mOhm, 150 nC Qg, D2-Pak
IRF4104SPBF	MOSFET, 40V, 120A, 5.5 mOhm, 68 nC Qg, D2-Pak
IRF4905LPBF	MOSFET, P-CHANNEL, -55V, -74A, 20 mOhm, 120 nC Qg, TO-262
IRF4905SPBF	MOSFET, P-CHANNEL, -55V, -74A, 20 mOhm, 120 nC Qg, D2-Pak
IRF4905STRLPBF	MOSFET, P-CHANNEL, -55V, -74A, 20 mOhm, 120 nC Qg, D2-Pak
IRF4905STRRPBF	MOSFET, P-CHANNEL, -55V, -74A, 20 mOhm, 120 nC Qg, D2-Pak
IRF520NSPBF	
IRF520NSTRLPBF	MOSFET, 100V, 9.5A, 200 mOhm, 16.7 nC Qg, D2-Pak
IRF5210LPBF	MOSFET, P-CHANNEL, -100V, -0.4A, 60 mOhm, 120 nC Qg, TO-262
IRF5210SPBF	MOSFET, P-CHANNEL, -100V, -0.4A, 60 mOhm, 120 nC Qg, D2-Pak
IRF5210STRLPBF	MOSFET, P-CHANNEL, -100V, -0.4A, 60 mOhm, 120 nC Qg, D2-Pak
IRF5210STRRPBF	MOSFET, P-CHANNEL, -100V, -0.4A, 60 mOhm, 120 nC Qg, D2-Pak
IRF5305SPBF	MOSFET, P-CHANNEL, -55V, -31A, 60 mOhm, 42 nC Qg, D2-Pak
IRF5305STRLPBF	MOSFET, P-CHANNEL, -55V, -31A, 60 mOhm, 42 nC Qg, D2-Pak
IRF5305STRRPBF	MOSFET, P-CHANNEL, -55V, -31A, 60 mOhm, 42 nC Qg, D2-Pak
IRF530NSPBF	MOSFET, 100V, 17A, 90 mOhm, 24.7 nC Qg, D2-Pak
IRF530NSTRLPBF	MOSFET, 100V, 17A, 90 mOhm, 24.7 nC Qg, D2-Pak
IRF530NSTRRPBF	MOSFET, 100V, 17A, 90 mOhm, 24.7 nC Qg, D2-Pak
IRF540NLPBF	MOSFET, 100V, 33A, 44 mOhm, 47.3 nC Qg, TO-262
IRF540NSPBF	MOSFET, 100V, 33A, 44 mOhm, 47.3 nC Qg, D2-Pak
IRF540NSTRLPBF	MOSFET, 100V, 33A, 44 mOhm, 47.3 nC Qg, D2-Pak
IRF540NSTRRPBF	MOSFET, 100V, 33A, 44 mOhm, 47.3 nC Qg, D2-Pak
IRF540ZLPBF	MOSFET, 100V, 36A, 26.5 mOhm, 42 nC Qg, TO-262
IRF540ZSPBF	MOSFET, 100V, 36A, 26.5 mOhm, 42 nC Qg, D2-Pak
IRF540ZSTRLPBF	MOSFET, 100V, 36A, 26.5 mOhm, 42 nC Qg, D2-Pak
IRF540ZSTRRPBF	MOSFET, 100V, 36A, 26.5 mOhm, 42 nC Qg, D2-Pak
IRF6215SPBF	MOSFET, P-CHANNEL, -150V, -13A, 290 mOhm, 44 nC Qg, D2-Pak
IRF6215STRLPBF	MOSFET, P-CHANNEL, -150V, -13A, 290 mOhm, 44 nC Qg, D2-Pak
IRF6215STRRPBF	MOSFET, P-CHANNEL, -150V, -13A, 290 mOhm, 44 nC Qg, D2-Pak
IRF6218SPBF	
IRF6218STRLPBF	MOSFET, P-CHANNEL, -150V, -27A, 150 mOhm, 21 nC Qg, D2-Pak
IRF630NSPBF	MOSFET, 200V, 9.5A, 300 mOhm, 23.3 nC Qg, D2-Pak
IRF630NSTRLPBF	MOSFET, 200V, 9.5A, 300 mOhm, 23.3 nC Qg, D2-Pak
IRF630NSTRRPBF	MOSFET, 200V, 9.5A, 300 mOhm, 23.3 nC Qg, D2-Pak
IRF640NLPBF	MOSFET, 200V, 18A, 150 mOhm, 44.7 nC Qg, TO-262
IRF640NSPBF	MOSFET, 200V, 18A, 150 mOhm, 44.7 nC Qg, D2-Pak
IRF640NSTRLPBF	MOSFET, 200V, 18A, 150 mOhm, 44.7 nC Qg, D2-Pak

IRF640NSTRRPBF	MOSFET, 200V, 18A, 150 mOhm, 44.7 nC Qg, D2-Pak
IRF8010SPBF	MOSFET, 100V, 80A, 15 mOhm, 81 nC Qg, D2-Pak
IRF8010STRLPBF	MOSFET, 100V, 80A, 15 mOhm, 81 nC Qg, D2-Pak
IRF9520NSPBF	MOSFET, P-CHANNEL, -100V, -6.8A, 480 mOhm, 18 nC Qg, D2-Pak
IRF9530NSPBF	MOSFET, P-CHANNEL, -100V, -14A, 200 mOhm, 38.7 nC Qg, D2-Pak
IRF9530NSTRLPBF	MOSFET, P-CHANNEL, -100V, -14A, 200 mOhm, 38.7 nC Qg, D2-Pak
IRF9530NSTRRPBF	MOSFET, P-CHANNEL, -100V, -14A, 200 mOhm, 38.7 nC Qg, D2-Pak
IRF9540NLPBF	MOSFET, P-CHANNEL, -100V, -23A, 117 mOhm, 64.7 nC Qg, TO-262
IRF9540NSPBF	MOSFET, P-CHANNEL, -100V, -23A, 117 mOhm, 64.7 nC Qg, D2-Pak
IRF9540NSTRLPBF	MOSFET, P-CHANNEL, -100V, -23A, 117 mOhm, 64.7 nC Qg, D2-Pak
IRF9540NSTRRPBF	MOSFET, P-CHANNEL, -100V, -23A, 117 mOhm, 64.7 nC Qg, D2-Pak
IRF9Z24NSPBF	MOSFET, P-CHANNEL, -55V, -12A, 175 mOhm, 12.7 nC Qg, D2-Pak
IRF9Z24NSTRLPBF	MOSFET, P-CHANNEL, -55V, -12A, 175 mOhm, 12.7 nC Qg, D2-Pak
IRF9Z34NLPBF	MOSFET, P-CHANNEL, -55V, -19A, 100 mOhm, 23.3 nC Qg, TO-262
IRF9Z34NSPBF	MOSFET, P-CHANNEL, -55V, 19A, 100 mOhm, 23.3 nC Qg, D2-Pak
IRF9Z34NSTRLPBF	MOSFET, P-CHANNEL, -55V, 19A, 100 mOhm, 23.3 nC Qg, D2-Pak
IRF9Z34NSTRRPBF	MOSFET, P-CHANNEL, -55V, 19A, 100 mOhm, 23.3 nC Qg, D2-Pak
IRFS23N15DTRLP	MOSFET, 150V, 23A, 90 mOhm, 37 nC Qg, D2-Pak
IRFS23N20DPBF	MOSFET, 200V, 24A, 100 mOhm, 57 nC Qg, D2-Pak
IRFS23N20DTRLP	MOSFET, 200V, 24A, 100 mOhm, 57 nC Qg, D2-Pak
IRFS23N20DTRRP	
IRFS3004PBF	MOSFET, 40V, 240A, 1.7 mOhm, 160 nC Qg, D2PAK
IRFS3004TRLPBF	MOSFET, 40V, 195A, 1.7 mOhm, 160 nC Qg, D2PAK
IRFS3006PBF	MOSFET, 60V, 270A, 2.5 mOhm, 200 nC Qg, D2-PAK
IRFS3006TRLPBF	MOSFET, 60V, 270A, 2.5 mOhm, 200 nC Qg, D2-PAK
IRFS3107PBF	MOSFET, 75V, 230A, 3 mOhm, 160 nC Qg, D2PAK
IRFS3107TRLPBF	MOSFET, 75V, 230A, 3 mOhm, 160 nC Qg, D2PAK
IRFS31N20DPBF	MOSFET, 200V, 31A, 82 mOhm, 70 nC Qg, D2-Pak
IRFS31N20DTRLP	MOSFET, 200V, 31A, 82 mOhm, 70 nC Qg, D2-Pak
IRFS31N20DTRRP	MOSFET, 200V, 31A, 82 mOhm, 70 nC Qg, D2-Pak
IRFS3206PBF	MOSFET, 60V, 210A, 3 mOhm, 120 nC Qg, D2-Pak
IRFS3206TRRPBF	MOSFET, 60V, 210A, 3 mOhm, 120 nC Qg, D2-Pak
IRFS3207PBF	MOSFET, 75V, 180A, 4.5 mOhm, 180 nC Qg, D2-Pak
IRFS3207ZPBF	MOSFET, 75V, 170A, 4.1 mOhm, 120 nC Qg, D2-Pak
IRFS3306PBF	MOSFET, 60V, 160A, 4.2 mOhm, 85 nC Qg, D2-Pak
IRFS3306TRLPBF	MOSFET, 60V, 160A, 4.2 mOhm, 85 nC Qg, D2-Pak
IRFS3307TRLPBF	MOSFET, 75V, 130A, 6.3 mOhm, 120 nC Qg, D2-Pak
IRFS3307ZPBF	MOSFET, 75V, 120A, 5.8 mOhm, 79 nC Qg, D2-Pak
IRFS3307ZTRLPBF	MOSFET, 75V, 120A, 5.8 mOhm, 79 nC Qg, D2-Pak
IRFS3307ZTRRPBF	MOSFET, 75V, 120A, 5.8 mOhm, 79 nC Qg, D2-Pak
IRFS33N15DTRLP	MOSFET, 150V, 33A, 56 mOhm, 60 nC Qg, D2-Pak
IRFS3607PBF	MOSFET, 75V, 80A, 9.0 mOhm, 56 nC Qg, D2-Pak
IRFS3607TRLPBF	MOSFET, 75V, 80A, 9.0 mOhm, 56 nC Qg, D2-Pak
IRFS3806PBF	MOSFET, 60V, 43A, 16.2 mOhm, 22 nC Qg, D2-Pak
IRFS3806TRLPBF	MOSFET, 60V, 43A, 16.2 mOhm, 22 nC Qg, D2-Pak
IRFS38N20DPBF	MOSFET, 200V, 44A, 54 mOhm, 60 nC Qg, D2-Pak

IRFS38N20DTRLPL	MOSFET, 200V, 44A, 54 mOhm, 60 nC Qg, D2-Pak
IRFS38N20DTRRPL	MOSFET, 200V, 44A, 54 mOhm, 60 nC Qg, D2-Pak
IRFS4010PBF	MOSFET, 100V, 180A, 4.7 mOhm, 143 nC Qg, D2-PAK
IRFS4010TRLPLBF	MOSFET, 100V, 180A, 4.7 mOhm, 143 nC Qg, D2-PAK
IRFS4010TRRPLBF	MOSFET, 100V, 180A, 4.7 mOhm, 143 nC Qg, D2-PAK
IRFS4020PBF	Audio MOSFET, 200V, 18A, 105 mOhm, 18 nC Qg, D2-PAK
IRFS4020TRLPLBF	Audio MOSFET, 200V, 18A, 105 mOhm, 18 nC Qg, D2-PAK
IRFS4115PBF	MOSFET, 150V, 99A, 12.1 mOhm, 77 nC Qg, D2-Pak
IRFS4115TRLPLBF	MOSFET, 150V, 99A, 12.1 mOhm, 77 nC Qg, D2-Pak
IRFS4127PBF	MOSFET, 200V, 76A, 23.2 mOhm, 100 nC Qg, D2-PAK
IRFS4127TRLPLBF	MOSFET, 200V, 76A, 23.2 mOhm, 100 nC Qg, D2-PAK
IRFS41N15DPBF	MOSFET, 150V, 41A, 45 mOhm, 72 nC Qg, D2-Pak
IRFS41N15DTRLPL	MOSFET, 150V, 41A, 45 mOhm, 72 nC Qg, D2-Pak
IRFS4227PBF	MOSFET, 200V, 62A, 26 mOhm, 70 nC Qg, D2-Pak
IRFS4227TRLPLBF	MOSFET, 200V, 62A, 26 mOhm, 70 nC Qg, D2-Pak
IRFS4229PBF	MOSFET, 250V, 45A, 48 mOhm, 72 nC Qg, D2-Pak
IRFS4229TRLPLBF	MOSFET, 250V, 45A, 48 mOhm, 72 nC Qg, D2-Pak
IRFS4310PBF	MOSFET, 100V, 140A, 7 mOhm, 170 nC Qg, D2-Pak
IRFS4310TRLPLBF	MOSFET, 100V, 140A, 7 mOhm, 170 nC Qg, D2-Pak
IRFS4310TRRPLBF	MOSFET, 100V, 140A, 7 mOhm, 170 nC Qg, D2-Pak
IRFS4310ZPBF	MOSFET, 100V, 127A, 6 mOhm, 120 nC Qg, D2-Pak
IRFS4310ZTRLPLBF	MOSFET, 100V, 127A, 6 mOhm, 120 nC Qg, D2-Pak
IRFS4321PBF	MOSFET, 150V, 83A, 15 mOhm, 71 nC Qg, D2-Pak
IRFS4321TRRPLBF	MOSFET, 100V, 96A, 10 mOhm, 120 nC Qg, D2-Pak
IRFS4410PBF	MOSFET, 100V, 96A, 10 mOhm, 120 nC Qg, D2-Pak
IRFS4410TRLPLBF	MOSFET, 100V, 96A, 10 mOhm, 120 nC Qg, D2-Pak
IRFS4410ZPBF	MOSFET, 100V, 97A, 9 mOhm, 83 nC Qg, D2-Pak
IRFS4410ZTRLPLBF	MOSFET, 100V, 97A, 9 mOhm, 83 nC Qg, D2-Pak
IRFS4510PBF	MOSFET, 100V, 64A, 14.5 mOhm, 50 nC Qg, D2-pak
IRFS4510TRLPLBF	MOSFET, 100V, 64A, 14.5 mOhm, 50 nC Qg, D2-pak
IRFS4610TRLPLBF	MOSFET, 100V, 73A, 14 mOhm, 90 nC Qg, D2-Pak
IRFS4615PBF	MOSFET, 150V, 33A, 42 mOhm, 26 nC Qg, D2-Pak
IRFS4615TRLPLBF	MOSFET, 150V, 33A, 42 mOhm, 26 nC Qg, D2-Pak
IRFS4620PBF	MOSFET, 200V, 24A, 78 mOhm, 25 nC Qg, D2PAK
IRFS4620TRLPLBF	MOSFET, 200V, 24A, 78 mOhm, 25 nC Qg, D2PAK
IRFS52N15DPBF	MOSFET, 150V, 60A, 32 mOhm, 60 nC Qg, D2-Pak
IRFS52N15DTRLPL	MOSFET, 150V, 60A, 32 mOhm, 60 nC Qg, D2-Pak
IRFS52N15DTRRPL	MOSFET, 150V, 60A, 32 mOhm, 60 nC Qg, D2-Pak
IRFS5615TRLPLBF	Audio MOSFET, 150V, 33A, 42 mOhm, 26 nC Qg, D2-Pak
IRFS59N10DPBF	MOSFET, 100V, 59A, 25 mOhm, 76 nC Qg, D2-Pak
IRFS59N10DTRLPL	MOSFET, 100V, 59A, 25 mOhm, 76 nC Qg, D2-Pak
IRFS7430PBF	
IRFS7430TRLPLBF	
IRFS7434PBF	
IRFS7434TRLPLBF	
IRFS7530PBF	

IRFS7530TRLPBF	
IRFS7534PBF	
IRFS7534TRLPBF	
IRFS7537PBF	
IRFS7537TRLPBF	
IRFS7540PBF	
IRFS7540TRLPBF	
IRFS7730PBF	
IRFS7730TRLPBF	
IRFS7734PBF	
IRFS7734TRLPBF	
IRFS7787PBF	
IRFS7787TRLPBF	
IRFSL3004PBF	MOSFET, 40V, 240A, 1.7 mOhm, 160 nC Qg, TO262
IRFSL3006PBF	MOSFET, 60V, 270A, 2.5 mOhm, 200 nC Qg, TO-262
IRFSL3206PBF	MOSFET, 60V, 210A, 3 mOhm, 120 nC Qg, TO-262
IRFSL3207ZPBF	MOSFET, 75V, 170A, 4.1 mOhm, 120 nC Qg, TO-262
IRFSL3306PBF	MOSFET, 60V, 160A, 4.2 mOhm, 85 nC Qg, TO-262
IRFSL3607PBF	MOSFET, 75V, 80A, 9.0 mOhm, 56 nC Qg, TO-262
IRFSL3806PBF	MOSFET, 60V, 43A, 16.2 mOhm, 22 nC Qg, TO-262
IRFSL38N20DPBF	
IRFSL4010PBF	MOSFET, 100V, 180A, 4.7 mOhm, 143 nC Qg, TO-262
IRFSL4020PBF	Audio MOSFET, 200V, 18A, 105 mOhm, 18 nC Qg, TO262
IRFSL4115PBF	MOSFET, 150V, 99A, 12.1 mOhm, 77 nC Qg, TO-262
IRFSL4227PBF	MOSFET, 200V, 65A, 26 mOhm, 70 nC Qg, TO-262
IRFSL4310PBF	MOSFET, 100V, 140A, 7 mOhm, 170 nC Qg, TO-262
IRFSL4310ZPBF	MOSFET, 100V, 127A, 6 mOhm, 120 nC Qg, TO-262
IRFSL4321PBF	MOSFET, 150V, 83A, 15 mOhm, 71 nC Qg, TO-262
IRFSL4410ZPBF	MOSFET, 100V, 97A, 9 mOhm, 83 nC Qg, TO-262
IRFSL4510PBF	MOSFET, 100V, 64A, 14.5 mOhm, 50 nC Qg, TO-262
IRFSL7437PBF	MOSFET, 40V, 195A, 1.8 mOhm, 150 nC Qg, TO-262
IRFSL7440PBF	
IRFSL7537PBF	
IRFSL7540PBF	
IRFSL7730PBF	
IRFSL7734PBF	
IRFZ24NSTRLPBF	MOSFET, 55V, 17A, 70 mOhm, 13.3 nC Qg, D2-Pak
IRFZ34NSPBF	MOSFET, 55V, 29A, 40 mOhm, 22.7 nC Qg, D2-Pak
IRFZ34NSTRLPBF	MOSFET, 55V, 29A, 40 mOhm, 22.7 nC Qg, D2-Pak
IRFZ34NSTRRPBF	MOSFET, 55V, 29A, 40 mOhm, 22.7 nC Qg, D2-Pak
IRFZ44ELPBF	
IRFZ44ESPBF	MOSFET, 60V, 48A, 23 mOhm, 40 nC Qg, D2-Pak
IRFZ44ESTRLPBF	MOSFET, 60V, 48A, 23 mOhm, 40 nC Qg, D2-Pak
IRFZ44ESTRRPBF	MOSFET, 60V, 48A, 23 mOhm, 40 nC Qg, D2-Pak
IRFZ44NLPBF	MOSFET, 55V, 49A, 17.5 mOhm, 42 nC Qg, TO-262
IRFZ44NSPBF	MOSFET, 55V, 49A, 17.5 mOhm, 42 nC Qg, D2-Pak

IRFZ44NSTRLPBF	MOSFET, 55V, 49A, 17.5 mOhm, 42 nC Qg, D2-Pak
IRFZ44NSTRRPBF	MOSFET, 55V, 49A, 17.5 mOhm, 42 nC Qg, D2-Pak
IRFZ44VZSPBF	MOSFET, 60V, 57A, 12 mOhm, 43 nC Qg, D2-Pak
IRFZ44ZLPBF	MOSFET, 55V, 51A, 13.9 mOhm, 29 nC Qg, TO-262
IRFZ44ZSPBF	MOSFET, 55V, 51A, 13.9 mOhm, 29 nC Qg, D2-Pak
IRFZ44ZSTRRPBF	MOSFET, 55V, 51A, 13.9 mOhm, 29 nC Qg, D2-Pak
IRFZ46NLPBF	MOSFET, 55V, 53A, 16.5 mOhm, 48 nC Qg, TO-262
IRFZ46NSPBF	
IRFZ46NSTRLPBF	MOSFET, 55V, 53A, 16.5 mOhm, 48 nC Qg, D2-Pak
IRFZ46ZSPBF	MOSFET, 55V, 51A, 13.6 mOhm, 31 nC Qg, D2-Pak
IRFZ46ZSTRLPBF	MOSFET, 55V, 51A, 13.6 mOhm, 31 nC Qg, D2-Pak
IRFZ48NSPBF	MOSFET, 55V, 64A, 14 mOhm, 54 nC Qg, D2-Pak
IRFZ48NSTRLPBF	MOSFET, 55V, 64A, 14 mOhm, 54 nC Qg, D2-Pak
IRFZ48VSPBF	
IRFZ48ZSPBF	MOSFET, 55V, 61A, 11 mOhm, 43 nC Qg, D2-Pak
IRL1004SPBF	MOSFET, 40V, 110A, 6.5 mOhm, 66.7 nC Qg, Logic Level, D2-Pak
IRL1004STRLPBF	MOSFET, 40V, 110A, 6.5 mOhm, 66.7 nC Qg, Logic Level, D2-Pak
IRL1004STRRPBF	MOSFET, 40V, 110A, 6.5 mOhm, 66.7 nC Qg, Logic Level, D2-Pak
IRL1404SPBF	MOSFET, 40V, 160A, 4 mOhm, 93.3 nC Qg, Logic Level, D2-Pak
IRL1404STRLPBF	MOSFET, 40V, 160A, 4 mOhm, 93.3 nC Qg, Logic Level, D2-Pak
IRL1404ZSPBF	MOSFET, 40V, 200A, 3.1 mOhm, 75 nC Qg, Logic Level, D2-Pak
IRL1404ZSTRLPBF	MOSFET, 40V, 200A, 3.1 mOhm, 75 nC Qg, Logic Level, D2-Pak
IRL2203NSPBF	MOSFET, 30V, 116A, 7 mOhm, 40 nC Qg, Logic Level, D2-Pak
IRL2203NSTRLPBF	MOSFET, 30V, 116A, 7 mOhm, 40 nC Qg, Logic Level, D2-Pak
IRL2505SPBF	MOSFET, 55V, 104A, 8 mOhm, 86.7 nC Qg, Logic Level, D2-Pak
IRL2505STRLPBF	MOSFET, 55V, 104A, 8 mOhm, 86.7 nC Qg, Logic Level, D2-Pak
IRL2910SPBF	MOSFET, 100V, 55A, 26 mOhm, 93.3 nC Qg, Logic Level, D2-Pak
IRL2910STRLPBF	MOSFET, 100V, 55A, 26 mOhm, 93.3 nC Qg, Logic Level, D2-Pak
IRL2910STRRPBF	
IRL3103STRLPBF	MOSFET, 30V, 64A, 12 mOhm, 22 nC Qg, Logic Level, D2-Pak
IRL3705NSPBF	MOSFET, 55V, 89A, 10 mOhm, 65.3 nC Qg, Logic Level, D2-Pak
IRL3705NSTRLPBF	MOSFET, 55V, 89A, 10 mOhm, 65.3 nC Qg, Logic Level, D2-Pak
IRL3705ZSPBF	MOSFET, 55V, 86A, 8 mOhm, 40 nC Qg, Logic Level, D2-Pak
IRL3705ZSTRLPBF	MOSFET, 55V, 86A, 8 mOhm, 40 nC Qg, Logic Level, D2-Pak
IRL3713SPBF	MOSFET, 30V, 200A, 3 mOhm, 75 nC Qg, Logic Level, D2-Pak
IRL3713STRLPBF	MOSFET, 30V, 200A, 3 mOhm, 75 nC Qg, Logic Level, D2-Pak
IRL3713STRRPBF	MOSFET, 30V, 200A, 3 mOhm, 75 nC Qg, Logic Level, D2-Pak
IRL3803SPBF	MOSFET, 30V, 140A, 6 mOhm, 93.3 nC Qg, Logic Level, D2-Pak
IRL3803STRLPBF	MOSFET, 30V, 140A, 6 mOhm, 93.3 nC Qg, Logic Level, D2-Pak
IRL3803STRRPBF	MOSFET, 30V, 140A, 6 mOhm, 93.3 nC Qg, Logic Level, D2-Pak
IRL3803VSPBF	MOSFET, 30V, 140A, 5.5 mOhm, 50.7 nC Qg, Logic Level, D2-Pak
IRL520NSPBF	MOSFET, 100V, 10A, 180 mOhm, 13.3 nC Qg, Logic Level, D2-Pak
IRL520NSTRLPBF	MOSFET, 100V, 10A, 180 mOhm, 13.3 nC Qg, Logic Level, D2-Pak
IRL530NSPBF	MOSFET, 100V, 17A, 100 mOhm, 22.7 nC Qg, Logic Level, D2-Pak
IRL530NSTRLPBF	MOSFET, 100V, 17A, 100 mOhm, 22.7 nC Qg, Logic Level, D2-Pak
IRL530NSTRRPBF	MOSFET, 100V, 17A, 100 mOhm, 22.7 nC Qg, Logic Level, D2-Pak



IRL540NSPBF	MOSFET, 100V, 36A, 44 mOhm, 49.3 nC Qg, Logic Level, D2-Pak
IRL540NSTRLPBF	MOSFET, 100V, 36A, 44 mOhm, 49.3 nC Qg, Logic Level, D2-Pak
IRL540NSTRPBF	
IRL7833SPBF	MOSFET, 30V, 150A, 3.8 mOhm, 32 nC Qg, Logic Level, D2-Pak
IRL7833STRLPBF	MOSFET, 30V, 150A, 3.8 mOhm, 32 nC Qg, Logic Level, D2-Pak
IRL8113SPBF	MOSFET, 30V, 105A, 6 mOhm, 23 nC Qg, Logic Level, D2-Pak
IRL8113STRLPBF	MOSFET, 30V, 105A, 6 mOhm, 23 nC Qg, Logic Level, D2-Pak
IRLS3034PBF	MOSFET, 40V, 343A, 1.7 mOhm, 108 nC Qg, D2-PAK
IRLS3034TRLPBF	MOSFET, 40V, 343A, 1.7 mOhm, 108 nC Qg, D2-PAK
IRLS3036PBF	MOSFET, 60V, 270A, 2.4 mOhm, 91 nC Qg, Logic Level, D2-Pak
IRLS3036TRLPBF	MOSFET, 60V, 270A, 2.4 mOhm, 91 nC Qg, Logic Level, D2-Pak
IRLS4030PBF	MOSFET, 100V, 180A, 4.3 mOhm, 87 nC Qg, D2-PAK
IRLS4030TRLPBF	MOSFET, 100V, 180A, 4.3 mOhm, 87 nC Qg, D2-PAK
IRLSL3036PBF	MOSFET, 60V, 270A, 2.4 mOhm, 91 nC Qg, Logic Level, TO262
IRLSL4030PBF	MOSFET, 100V, 180A, 4.3 mOhm, 87 nC Qg, TO-262
IRLZ24NSPBF	MOSFET, 55V, 18A, 60 mOhm, 10 nC Qg, Logic Level, D2-Pak
IRLZ24NSTRLPBF	MOSFET, 55V, 18A, 60 mOhm, 10 nC Qg, Logic Level, D2-Pak
IRLZ34NSPBF	MOSFET, 55V, 30A, 35 mOhm, 16.7 nC Qg, Logic Level, D2-Pak
IRLZ34NSTRLPBF	MOSFET, 55V, 30A, 35 mOhm, 16.7 nC Qg, Logic Level, D2-Pak
IRLZ44NSPBF	MOSFET, 55V, 47A, 22 mOhm, 32 nC Qg, Logic Level, D2-Pak
IRLZ44NSTRLPBF	MOSFET, 55V, 47A, 22 mOhm, 32 nC Qg, Logic Level, D2-Pak
IRLZ44ZSPBF	MOSFET, 55V, 51A, 13.5 mOhm, 24 nC Qg, Logic Level, D2-Pak
IRLZ44ZSTRLPBF	MOSFET, 55V, 51A, 13.5 mOhm, 24 nC Qg, Logic Level, D2-Pak

### **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](http://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	<a href="mailto:Mark.Ogden@infineon.com">Mark.Ogden@infineon.com</a>
Technical	Cesar Gonzales		<a href="mailto:Cesar.Gonzales@infineon.com">Cesar.Gonzales@infineon.com</a>