

Dear Customer,

Please find attached our INFINEON Technologies PCN:

## Power Management Devices – D2Pak Power MOSFET Bill of Materials change

Important information for your attention:

- Please respond to this PCN by indicating your decision on the approval form, sign it and return to your sales partner before **22 Feb, 2016**.
- Infineon aligns with the widely-recognized JEDEC STANDARD “**JESD46**”, which stipulates:  
“**Lack of acknowledgment of the PCN within 30 days constitutes acceptance of the change.**”

Your prompt reply will help Infineon Technologies to assure a smooth and well executed transition. If Infineon does not hear from your side by the due date, we will assume your full acceptance to this proposed change and its implementation.

Your attention and response to this matter is greatly appreciated.



On January 13, 2015, Infineon Technologies acquired International Rectifier. The organization and business of former International Rectifier have been integrated into Infineon. That means that customer facing IT tools and processes like PCN, Information Note and Product Discontinuation are being merged consolidated. For further details please visit our website: <http://www.infineon.com/powerfulcombination>

Infineon Technologies AG  
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Management Board: Dr. Reinhard Ploss (CEO), Dominik Asam, Arunjai Mittal  
Registered Office: Neubiberg  
Commercial Register: München HRB 126492

# Process / Product Change Notification



N° 550-PCN90-Public

**Date:** Tuesday, November 24, 2015

**PCR Reference:** 550

**PCN Reference:** 550-PCN90-Public

## **To Our Value Customer:**

As always we appreciate your use of Infineon Technologies 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 change:

We would like to express our sincere appreciation for your cooperation regarding the following changes, and Infineon Technologies 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 Power MOSFET Bill of Materials changeSP (Korea) will change the Bill of Materials for the assembly of D2Pak

| ITEM      | CURRENT                             | PROPOSED                       |
|-----------|-------------------------------------|--------------------------------|
| Leadframe | Selective Nickel with 100Sn plating | Bare Copper with 100Sn plating |

## **Reason for the Change:**

Bill of Materials consolidation.

## **Effect Date:**

Monday, February 22, 2016

Infineon Technologies 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:**

| IFAM Part  | Description |
|------------|-------------|
| 64-2084PBF |             |
| 64-2116PBF |             |
| 64-2119PBF |             |
| 64-2124PBF |             |
| 64-2158PBF |             |
| 64-2159PBF |             |

# Process / Product Change Notification



## N° 550-PCN90-Public

| IFAM Part       | Description                                     |
|-----------------|---|
| 94-2503PBF      |   |
| IRF100S201      |   |
| IRF1010ESPBF    |   |
| 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     |
| IRF1010ZSPBF    | MOSFET, 55V, 94A, 7.5 mOhm, 63 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    |
| IRF1018ESPBF    | MOSFET, 60V, 79A, 8.4 mOhm, 46 nC Qg, D2-PAK    |
| IRF1018ESTRLPBF | MOSFET, 60V, 79A, 8.4 mOhm, 46 nC Qg, D2-PAK    |
| IRF1104SPBF     |   |
| IRF1104STRLPBF  |   |
| 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 |   |
| IRF1324SPBF     | MOSFET, 24V, 340A, 1.65 mOhm, 160 nC Qg, D2-Pak |
| IRF1324STRLPBF  | MOSFET, 24V, 340A, 1.65 mOhm, 160 nC Qg, D2-Pak |
| 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  |
| IRF1405ZSTRRPBF | MOSFET, 55V, 150A, 4.9 mOhm, 120 nC Qg, D2-Pak  |
| IRF1407SPBF     |   |
| 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  |
| 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    |
| IRF2807ZSTRRPBF | 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  |

# Process / Product Change Notification



## N° 550-PCN90-Public

| IFAM Part       | Description   |
|-----------------|---|
| 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   |
| IRF3205SPBF     | MOSFET, 55V, 110A, 8 mOhm, 97.3 nC Qg, D2-Pak               |
| IRF3205STRLPBF  | MOSFET, 55V, 110A, 8 mOhm, 97.3 nC Qg, D2-Pak               |
| IRF3205STRRPBF  | MOSFET, 55V, 110A, 8 mOhm, 97.3 nC Qg, D2-Pak               |
| IRF3205ZSPBF    | MOSFET, 55V, 110A, 6.5 mOhm, 76 nC Qg, D2-Pak               |
| IRF3205ZSTRLPBF | MOSFET, 55V, 110A, 6.5 mOhm, 76 nC Qg, D2-Pak               |
| IRF3205ZSTRRPBF | 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              |
| IRF3315STRRPBF  | 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             |
| IRF3415STRRPBF  | MOSFET, 150V, 43A, 42 mOhm, 133.3 nC Qg, D2-Pak             |
| IRF3515SPBF     |   |
| IRF3515STRRPBF  |   |
| 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               |
| IRF3708SPBF     | MOSFET, 30V, 62A, 12 mOhm, 24 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  |   |
| IRF3709ZSPBF    | MOSFET, 30V, 87A, 6.3 mOhm, 17 nC Qg, D2-Pak                |
| IRF3709ZSTRRPBF | MOSFET, 30V, 87A, 6.3 mOhm, 17 nC Qg, D2-Pak                |
| 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              |
| IRF3710ZSPBF    | MOSFET, 100V, 59A, 18 mOhm, 82 nC Qg, D2-Pak                |
| IRF3710ZSTRLPBF | MOSFET, 100V, 59A, 18 mOhm, 82 nC Qg, D2-Pak                |
| IRF3710ZSTRRPBF | MOSFET, 100V, 59A, 18 mOhm, 82 nC Qg, D2-Pak                |
| IRF3711SPBF     | MOSFET, 20V, 110A, 6 mOhm, 29 nC Qg, D2-Pak                 |
| IRF3711STRRPBF  | MOSFET, 20V, 110A, 6 mOhm, 29 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               |
| 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            |
| 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    |

# Process / Product Change Notification



## N° 550-PCN90-Public

| IFAM Part       | Description  |
|-----------------|--|
| 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               |
| 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               |
| 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             |
| 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  |
| IRF9520NSTRLPBF |  |
| IRF9520NSTRRPBF |  |
| 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 |
| 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  |
| 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   |
| IRFS23N15DPBF   |  |
| 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                 |

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| IFAM Part       | Description   |
|-----------------|---|
| IRFS3206TRRPBF  | MOSFET, 60V, 210A, 3 mOhm, 120 nC Qg, D2-Pak        |
| IRFS3207PBF     | MOSFET, 75V, 180A, 4.5 mOhm, 180 nC Qg, D2-Pak      |
| IRFS3207TRLPBF  | MOSFET, 75V, 180A, 4.5 mOhm, 180 nC Qg, D2-Pak      |
| IRFS3207ZPBF    | MOSFET, 75V, 170A, 4.1 mOhm, 120 nC Qg, D2-Pak      |
| IRFS3207ZTRRPBF | 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       |
| IRFS3307PBF     | MOSFET, 75V, 130A, 6.3 mOhm, 120 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       |
| IRFS33N15DPBF   | MOSFET, 150V, 33A, 56 mOhm, 60 nC Qg, D2-Pak        |
| IRFS33N15DTRLP  | MOSFET, 150V, 33A, 56 mOhm, 60 nC Qg, D2-Pak        |
| IRFS3507PBF     |   |
| 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        |
| IRFS4010PBF     | MOSFET, 100V, 180A, 4.7 mOhm, 143 nC Qg, D2-PAK     |
| IRFS4010TRLPBF  | MOSFET, 100V, 180A, 4.7 mOhm, 143 nC Qg, D2-PAK     |
| IRFS4010TRRPBF  | MOSFET, 100V, 180A, 4.7 mOhm, 143 nC Qg, D2-PAK     |
| IRFS4020PBF     | Audio MOSFET, 200V, 18A, 105 mOhm, 18 nC Qg, D2-PAK |
| IRFS4020TRLPBF  | Audio MOSFET, 200V, 18A, 105 mOhm, 18 nC Qg, D2-PAK |
| IRFS4115PBF     | MOSFET, 150V, 99A, 12.1 mOhm, 77 nC Qg, D2-Pak      |
| IRFS4115TRLPBF  | MOSFET, 150V, 99A, 12.1 mOhm, 77 nC Qg, D2-Pak      |
| IRFS4127PBF     | MOSFET, 200V, 76A, 23.2 mOhm, 100 nC Qg, D2-PAK     |
| IRFS4127TRLPBF  | MOSFET, 200V, 76A, 23.2 mOhm, 100 nC Qg, D2-PAK     |
| IRFS41N15DPBF   | MOSFET, 150V, 41A, 45 mOhm, 72 nC Qg, D2-Pak        |
| IRFS41N15DTRLP  | MOSFET, 150V, 41A, 45 mOhm, 72 nC Qg, D2-Pak        |
| IRFS4227PBF     | MOSFET, 200V, 62A, 26 mOhm, 70 nC Qg, D2-Pak        |
| IRFS4227TRLPBF  | MOSFET, 200V, 62A, 26 mOhm, 70 nC Qg, D2-Pak        |
| IRFS4228PBF     | MOSFET, 150V, 83A, 15 mOhm, 72 nC Qg, D2-Pak        |
| IRFS4228TRLPBF  | MOSFET, 150V, 83A, 15 mOhm, 72 nC Qg, D2-Pak        |
| IRFS4229PBF     | MOSFET, 250V, 45A, 48 mOhm, 72 nC Qg, D2-Pak        |
| IRFS4229TRLPBF  | MOSFET, 250V, 45A, 48 mOhm, 72 nC Qg, D2-Pak        |
| IRFS4310PBF     | MOSFET, 100V, 140A, 7 mOhm, 170 nC Qg, D2-Pak       |
| IRFS4310TRLPBF  | MOSFET, 100V, 140A, 7 mOhm, 170 nC Qg, D2-Pak       |
| IRFS4310TRRPBF  | MOSFET, 100V, 140A, 7 mOhm, 170 nC Qg, D2-Pak       |
| IRFS4310ZPBF    | MOSFET, 100V, 127A, 6 mOhm, 120 nC Qg, D2-Pak       |
| IRFS4310ZTRLPBF | MOSFET, 100V, 127A, 6 mOhm, 120 nC Qg, D2-Pak       |
| IRFS4321PBF     | MOSFET, 150V, 83A, 15 mOhm, 71 nC Qg, D2-Pak        |
| IRFS4321TRLPBF  | MOSFET, 100V, 96A, 10 mOhm, 120 nC Qg, D2-Pak       |
| IRFS4321TRRPBF  | MOSFET, 100V, 96A, 10 mOhm, 120 nC Qg, D2-Pak       |
| IRFS4410PBF     | MOSFET, 100V, 96A, 10 mOhm, 120 nC Qg, D2-Pak       |
| IRFS4410TRLPBF  | MOSFET, 100V, 96A, 10 mOhm, 120 nC Qg, D2-Pak       |
| IRFS4410ZPBF    | MOSFET, 100V, 97A, 9 mOhm, 83 nC Qg, D2-Pak         |
| IRFS4410ZTRLPBF | MOSFET, 100V, 97A, 9 mOhm, 83 nC Qg, D2-Pak         |
| IRFS4510PBF     | MOSFET, 100V, 64A, 14.5 mOhm, 50 nC Qg, D2-pak      |
| IRFS4510TRLPBF  | MOSFET, 100V, 64A, 14.5 mOhm, 50 nC Qg, D2-pak      |
| IRFS4610PBF     | MOSFET, 100V, 73A, 14 mOhm, 90 nC Qg, D2-Pak        |
| IRFS4610TRLPBF  | MOSFET, 100V, 73A, 14 mOhm, 90 nC Qg, D2-Pak        |

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| IFAM Part      | Description  |
|----------------|--|
| IRFS4610TRRPBF | MOSFET, 100V, 73A, 14 mOhm, 90 nC Qg, D2-Pak                 |
| IRFS4615PBF    | MOSFET, 150V, 33A, 42 mOhm, 26 nC Qg, D2-Pak                 |
| IRFS4615TRLPBF | MOSFET, 150V, 33A, 42 mOhm, 26 nC Qg, D2-Pak                 |
| IRFS4620PBF    | MOSFET, 200V, 24A, 78 mOhm, 25 nC Qg, D2PAK                  |
| IRFS4620TRLPBF | MOSFET, 200V, 24A, 78 mOhm, 25 nC Qg, D2PAK                  |
| IRFS52N15DPBF  | MOSFET, 150V, 60A, 32 mOhm, 60 nC Qg, D2-Pak                 |
| IRFS5615PBF    | Audio MOSFET, 150V, 35A, 39 mOhm, 26 nC Qg, TO-220           |
| IRFS5615TRLPBF | Audio MOSFET, 150V, 33A, 42 mOhm, 26 nC Qg, D2-Pak           |
| IRFS5620PBF    | Audio MOSFET, 200V, 24A, 78 mOhm, 25 nC Qg, D2PAK            |
| IRFS5620TRLPBF | Audio MOSFET, 200V, 24A, 78 mOhm, 25 nC Qg, D2PAK            |
| IRFS59N10DPBF  | MOSFET, 100V, 59A, 25 mOhm, 76 nC Qg, D2-Pak                 |
| IRFS59N10DTRLP | MOSFET, 100V, 59A, 25 mOhm, 76 nC Qg, D2-Pak                 |
| IRFS7430PBF    |  |
| IRFS7434PBF    |  |
| IRFS7437PBF    | MOSFET, 40V, 195A, 1.8 mOhm, 150 nC Qg, D2-Pak               |
| IRFS7440PBF    | MOSFET, 40V, 120A, 2.5 mOhm, 90 nC Qg, D2-Pak                |
| IRFS7530PBF    |  |
| IRFS7534PBF    |  |
| IRFS7537PBF    |  |
| IRFS7540PBF    |  |
| IRFS7730PBF    |  |
| IRFS7734PBF    |  |
| IRFS7787PBF    |  |
| IRFZ24NSTRLPBF | MOSFET, 55V, 17A, 70 mOhm, 13.3 nC Qg, D2-Pak                |
| IRFZ24NSTRRPBF | 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                |
| 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                  |
| 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                |
| IRFZ44VSTRLPBF |  |
| IRFZ44VZSPBF   | MOSFET, 60V, 57A, 12 mOhm, 43 nC Qg, D2-Pak                  |
| IRFZ44ZSPBF    | MOSFET, 55V, 51A, 13.9 mOhm, 29 nC Qg, D2-Pak                |
| IRFZ44ZSTRRPBF | MOSFET, 55V, 51A, 13.9 mOhm, 29 nC Qg, D2-Pak                |
| 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   |

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| IFAM Part       | Description  |
|-----------------|--|
| 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   |
| IRL2703SPBF     | MOSFET, 30V, 24A, 400 mOhm, 10 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  |  |
| IRL3103SPBF     | MOSFET, 30V, 64A, 12 mOhm, 22 nC Qg, Logic Level, D2-Pak     |
| 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     |
| IRL3714ZSPBF    | MOSFET, 20V, 36A, 16 mOhm, 4.8 nC Qg, Logic Level, D2-Pak    |
| IRL3715ZSPBF    | MOSFET, 20V, 50A, 11 mOhm, 7 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 |
| IRL40S212       |  |
| 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  |
| IRL540NSTRRPBF  |  |
| 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   |
| IRL7833STRRPBF  | 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   |
| IRLS3036TRRPBF  | 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               |
| IRL24NSPBF      | MOSFET, 55V, 18A, 60 mOhm, 10 nC Qg, Logic Level, D2-Pak     |
| IRL24NSTRLPBF   | MOSFET, 55V, 18A, 60 mOhm, 10 nC Qg, Logic Level, D2-Pak     |
| IRL34NSPBF      | MOSFET, 55V, 30A, 35 mOhm, 16.7 nC Qg, Logic Level, D2-Pak   |
| IRL34NSTRLPBF   | MOSFET, 55V, 30A, 35 mOhm, 16.7 nC Qg, Logic Level, D2-Pak   |
| IRL44NSPBF      | MOSFET, 55V, 47A, 22 mOhm, 32 nC Qg, Logic Level, D2-Pak     |
| IRL44NSTRLPBF   | MOSFET, 55V, 47A, 22 mOhm, 32 nC Qg, Logic Level, D2-Pak     |
| IRL44NSTRRPBF   | MOSFET, 55V, 47A, 22 mOhm, 32 nC Qg, Logic Level, D2-Pak     |
| IRL44ZSPBF      | MOSFET, 55V, 51A, 13.5 mOhm, 24 nC Qg, Logic Level, D2-Pak   |



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| IFAM Part      | Description  |
|----------------|--|
| IRLZ44ZSTRLPBF | MOSFET, 55V, 51A, 13.5 mOhm, 24 nC Qg, Logic Level, D2-Pak |
| IRLZ44ZSTRPBF  | 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.

Please contact the PCN Coordinator for supporting data

### **Supporting Data Availability:**

Contact Infineon Technologies 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>                       |
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