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Process Change Notification

Date: October 15, 2012
PCN Reference: F12-0010-1
Product Reference: Gen 10.2 Power MOSFET (24V, 40V, 55V, 60V, 75V, 100V, D2Pak, D2Pak-7P, DPak, IPak, TO-220, TO-247, TO-262)

To Our Valued 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 wafer manufacturing site

Description of Change:

Qualify VIS foundry as 2nd source for manufacturing products detailed in the following parts list.

Reason for the Change:

Additional wafer manufacturing site

Effect Date:

January 15, 2013

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 impact to the fit, form, function, quality or reliability of the parts. There will be no change to the datasheet parameters.

Products Affected:

Part No	Description
IRF1010EZLPBF	MOSFET, 60V, 84A, 8.5 mOhm, 58 nC Qg, TO-262
IRF1010EZPBF	MOSFET, 60V, 84A, 8.5 mOhm, 58 nC Qg, TO-220AB
IRF1010EZSPBF	MOSFET, 60V, 84A, 8.5 mOhm, 58 nC Qg, D2-Pak
IRF1010EZSTRLP	MOSFET, 60V, 84A, 8.5 mOhm, 58 nC Qg, D2-Pak
IRF1010ZLPBF	MOSFET, 55V, 94A, 7.5 mOhm, 63 nC Qg, TO-262
IRF1010ZPBF	MOSFET, 55V, 94A, 7.5 mOhm, 63 nC Qg, TO-220AB
IRF1010ZSPBF	MOSFET, 55V, 94A, 7.5 mOhm, 63 nC Qg, D2-Pak
IRF1010ZSTRLPBF	MOSFET, 55V, 94A, 7.5 mOhm, 63 nC Qg, D2-Pak
IRF1010ZSTRPBF	MOSFET, 55V, 94A, 7.5 mOhm, 63 nC Qg, D2-Pak
IRF1324LPBF	MOSFET, 24V, 340A, 1.65 mOhm, 160 nC Qg, TO-262
IRF1324PBF	MOSFET, 24V, 353A, 1.5 mOhm, 160 nC Qg, TO-220
IRF1324S-7PPBF	MOSFET, 24V, 340A, 1.65 mOhm, 160 nC Qg, D2-Pak-7
IRF1324SPBF	MOSFET, 24V, 340A, 1.65 mOhm, 160 nC Qg, D2-Pak
IRF1324STRL-7PP	MOSFET, 24V, 340A, 1.65 mOhm, 160 nC Qg, D2-Pak-7
IRF1324STRLPBF	MOSFET, 24V, 340A, 1.65 mOhm, 160 nC Qg, D2-Pak
IRF1405ZL-7PPBF	MOSFET, 55V, 150A, 4.9 mOhm, 120 nC Qg, D2PAK-7
IRF1405ZLPBF	MOSFET, 55V, 150A, 4.9 mOhm, 120 nC Qg, TO-262
IRF1405ZPBF	MOSFET, 55V, 150A, 4.9 mOhm, 120 nC Qg, TO-220AB
IRF1405ZS-7PPBF	MOSFET, 55V, 150A, 4.9 mOhm, 150 nC Qg, D2PAK-7
IRF1405ZSPBF	MOSFET, 55V, 150A, 4.9 mOhm, 120 nC Qg, D2-Pak
IRF1405ZSTRL7PP	MOSFET, 55V, 150A, 4.9 mOhm, 150 nC Qg, D2-Pak-7
IRF1405ZSTRLPBF	MOSFET, 55V, 150A, 4.9 mOhm, 120 nC Qg, D2-Pak
IRF1405ZSTRPBF	MOSFET, 55V, 150A, 4.9 mOhm, 120 nC Qg, D2-Pak
IRF2807ZLPBF	MOSFET, 75V, 89A, 9.4 mOhm, 71 nC Qg, TO-262
IRF2807ZPBF	MOSFET, 75V, 89A, 9.4 mOhm, 71 nC Qg, TO-220AB
IRF2807ZSPBF	MOSFET, 75V, 89A, 9.4 mOhm, 71 nC Qg, D2-Pak
IRF2807ZSTRLPBF	MOSFET, 75V, 89A, 9.4 mOhm, 71 nC Qg, D2-Pak
IRF2807ZSTRPBF	MOSFET, 75V, 89A, 9.4 mOhm, 71 nC Qg, D2-Pak
IRF2907ZLPBF	MOSFET, 75V, 170A, 4.5 mOhm, 180 nC Qg, TO-262
IRF2907ZPBF	MOSFET, 75V, 170A, 4.5 mOhm, 180 nC Qg, TO-220AB
IRF2907ZS-7PPBF	MOSFET, 75V, 160A, 3.8 mOhm, 170 nC Qg, D2PAK-7
IRF2907ZSPBF	MOSFET, 75V, 170A, 4.5 mOhm, 180 nC Qg, D2-Pak
IRF2907ZSTRL7PP	MOSFET, 75V, 160A, 3.8 mOhm, 170 nC Qg, D2PAK-7



Part No	Description
IRF2907ZSTRLPBF	MOSFET, 75V, 170A, 4.5 mOhm, 180 nC Qg, D2-Pak
IRF3205Z-010PBF	MOSFET, 55V, 110A, 6.5 mOhm, 76 nC Qg, TO-220AB
IRF3205ZLPBF	MOSFET, 55V, 110A, 6.5 mOhm, 76 nC Qg, TO-262
IRF3205ZPBF	MOSFET, 55V, 110A, 6.5 mOhm, 76 nC Qg, TO-220AB
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
IRF3710ZLPBF	MOSFET, 100V, 59A, 18 mOhm, 82 nC Qg, TO-262
IRF3710ZPBF	MOSFET, 100V, 59A, 18 mOhm, 82 nC Qg, TO-220AB
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
IRF3805L-7PPBF	MOSFET, 55V, 240A, 2.6 mOhm, 130 nC Qg, D2PAK-7
IRF3805LPBF	MOSFET, 55V, 220A, 3.3 mOhm, 190 nC Qg, TO-262
IRF3805PBF	MOSFET, 55V, 220A, 3.3 mOhm, 190 nC Qg, TO-220AB
IRF3805S-7PPBF	MOSFET, 55V, 240A, 2.6 mOhm, 130 nC Qg, D2PAK-7
IRF3805SPBF	MOSFET, 55V, 220A, 3.3 mOhm, 190 nC Qg, D2-Pak
IRF3805STRL-7PP	MOSFET, 55V, 240A, 2.6 mOhm, 130 nC Qg, D2PAK-7
IRF3805STRLPBF	MOSFET, 55V, 220A, 3.3 mOhm, 190 nC Qg, D2-Pak
IRF540ZLPBF	MOSFET, 100V, 36A, 26.5 mOhm, 42 nC Qg, TO-262
IRF540ZPBF	MOSFET, 100V, 36A, 26.5 mOhm, 42 nC Qg, TO-220AB
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
IRFB3207PBF	MOSFET, 75V, 180A, 4.5 mOhm, 180 nC Qg, TO-220AB
IRFB3307PBF	MOSFET, 75V, 130A, 6.3 mOhm, 120 nC Qg, TO-220AB
IRFB4310GPBF	MOSFET, 100V, 140A, 7 mOhm, 170 nC Qg, TO-220AB
IRFB4310PBF	MOSFET, 100V, 140A, 7 mOhm, 170 nC Qg, TO-220AB
IRFB4410PBF	MOSFET, 100V, 96A, 10 mOhm, 120 nC Qg, TO-220AB
IRFB4610PBF	MOSFET, 100V, 73A, 14 mOhm, 90 nC Qg, TO-220AB
IRFP2907ZPBF	MOSFET, 75V, 170A, 4.5 mOhm, 180 nC Qg, TO-247AC
IRFR1010ZPBF	MOSFET, 55V, 91A, 7.5 mOhm, 63 nC Qg, D-Pak
IRFR1010ZTRLPBF	MOSFET, 55V, 91A, 7.5 mOhm, 63 nC Qg, D-Pak
IRFR1010ZTRPBF	MOSFET, 55V, 91A, 7.5 mOhm, 63 nC Qg, D-Pak
IRFR2307ZPBF	MOSFET, 75V, 53A, 16 mOhm, 50 nC Qg, D-Pak
IRFR2307ZTRLPBF	MOSFET, 75V, 53A, 16 mOhm, 50 nC Qg, D-Pak
IRFR2607ZPBF	MOSFET, 75V, 45A, 22 mOhm, 34 nC Qg, D-Pak
IRFR2607ZTRPBF	MOSFET, 75V, 45A, 22 mOhm, 34 nC Qg, D-Pak



Part No	Description
IRFR2905ZPBF	MOSFET, 55V, 59A, 14.5 mOhm, 29 nC Qg, D-Pak
IRFR2905ZTRLPBF	MOSFET, 55V, 59A, 14.5 mOhm, 29 nC Qg, D-Pak
IRFR2905ZTRPBF	MOSFET, 55V, 59A, 14.5 mOhm, 29 nC Qg, D-Pak
IRFR3710ZPBF	MOSFET, 100V, 56A, 18 mOhm, 69 nC Qg, D-Pak
IRFR3710ZTRLPBF	MOSFET, 100V, 56A, 18 mOhm, 69 nC Qg, D-Pak
IRFR3710ZTRPBF	MOSFET, 100V, 56A, 18 mOhm, 69 nC Qg, D-Pak
IRFR3710ZTRRPBF	MOSFET, 100V, 56A, 18 mOhm, 69 nC Qg, D-Pak
IRFR4104PBF	MOSFET, 40V, 119A, 5.5 mOhm, 59 nC Qg, D-Pak
IRFR4104TRLPBF	MOSFET, 40V, 119A, 5.5 mOhm, 59 nC Qg, D-Pak
IRFR4104TRPBF	MOSFET, 40V, 119A, 5.5 mOhm, 59 nC Qg, D-Pak
IRFR4104TRRPBF	MOSFET, 40V, 119A, 5.5 mOhm, 59 nC Qg, D-Pak
IRFR4105ZPBF	MOSFET, 55V, 30A, 24.5 mOhm, 18 nC Qg, D-Pak
IRFR4105ZTRLPBF	MOSFET, 55V, 30A, 24.5 mOhm, 18 nC Qg, D-Pak
IRFR4105ZTRPBF	MOSFET, 55V, 30A, 24.5 mOhm, 18 nC Qg, D-Pak
IRFR540ZPBF	MOSFET, 100V, 35A, 28.5 mOhm, 39 nC Qg, D-Pak
IRFR540ZTRLPBF	MOSFET, 100V, 35A, 28.5 mOhm, 39 nC Qg, D-Pak
IRFR540ZTRPBF	MOSFET, 100V, 35A, 28.5 mOhm, 39 nC Qg, D-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
IRFS3307PBF	MOSFET, 75V, 130A, 6.3 mOhm, 120 nC Qg, D2-Pak
IRFS3307TRLPBF	MOSFET, 75V, 130A, 6.3 mOhm, 120 nC Qg, D2-Pak
IRFS3507PBF	MOSFET, 75V, 97A, 8.8 mOhm, 88 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
IRFS4410PBF	MOSFET, 100V, 96A, 10 mOhm, 120 nC Qg, D2-Pak
IRFS4410TRLPBF	MOSFET, 100V, 96A, 10 mOhm, 120 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
IRFS4610TRRPBF	MOSFET, 100V, 73A, 14 mOhm, 90 nC Qg, D2-Pak
IRFSL3507PBF	MOSFET, 75V, 97A, 8.8 mOhm, 88 nC Qg, TO-262
IRFSL4310PBF	MOSFET, 100V, 140A, 7 mOhm, 170 nC Qg, TO-262
IRFSL4410PBF	MOSFET, 100V, 96A, 10 mOhm, 120 nC Qg, TO-262
IRFSL4610PBF	MOSFET, 100V, 73A, 14 mOhm, 90 nC Qg, TO-262
IRFU1010ZPBF	MOSFET, 55V, 91A, 7.5 mOhm, 63 nC Qg, I-Pak
IRFU2307ZPBF	MOSFET, 75V, 53A, 16 mOhm, 50 nC Qg, I-Pak
IRFU2607ZPBF	MOSFET, 75V, 45A, 22 mOhm, 34 nC Qg, I-Pak



Part No	Description
IRFU2905ZPBF	MOSFET, 55V, 59A, 14.5 mOhm, 29 nC Qg, I-Pak
IRFU3710ZPBF	MOSFET, 100V, 56A, 18 mOhm, 69 nC Qg, I-Pak
IRFU4104PBF	MOSFET, 40V, 119A, 5.5 mOhm, 59 nC Qg, I-Pak
IRFU4105ZPBF	MOSFET, 55V, 30A, 24.5 mOhm, 18 nC Qg, I-Pak
IRFZ44VZPBF	MOSFET, 60V, 57A, 12 mOhm, 43 nC Qg, TO-220AB
IRFZ44VZSPBF	MOSFET, 60V, 57A, 12 mOhm, 43 nC Qg, D2-Pak
IRFZ44ZLPBF	MOSFET, 55V, 51A, 13.9 mOhm, 29 nC Qg, TO-262
IRFZ44ZPBF	MOSFET, 55V, 51A, 13.9 mOhm, 29 nC Qg, TO-220AB
IRFZ44ZSPBF	MOSFET, 55V, 51A, 13.9 mOhm, 29 nC Qg, D2-Pak
IRFZ44ZSTRRPBF	MOSFET, 55V, 51A, 13.9 mOhm, 29 nC Qg, D2-Pak
IRFR3504ZPBF	MOSFET, 40V, 77A, 9 mOhm, 30 nC Qg, D-Pak
IRFR3504ZTRPBF	MOSFET, 40V, 77A, 9 mOhm, 30 nC Qg, D-Pak
IRFU3504ZPBF	MOSFET, 40V, 77A, 9 mOhm, 30 nC Qg, I-Pak
IRFR3504ZTRLPBF	MOSFET, 40V, 77A, 9 mOhm, 30 nC Qg, D-Pak
IRFR3504ZTRRPBF	MOSFET, 40V, 77A, 9 mOhm, 30 nC Qg, D-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.

Supporting Data Availability:

Contact IR for supporting data on this change.

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