



## Qualification of ASE as an Additional Assembly Site of D2PAK Commercial High Voltage Power Mosfets

**DESCRIPTION OF CHANGE:** Vishay Siliconix would like to announce the qualification of Advanced Semiconductor Engineering (ASE) plant located in Weihai, China as an additional assembly and test facility for Power MOSFET devices in the D2PAK package.

ASE has been a leading backend manufacturing company since 2003; The Weihai facility has provided world-class total manufacturing services for discrete MOSFETs since 2008. Vishay-Siliconix has been a partner with the ASE Weihai facility since 2013. This qualification now adds the IPAK to other Vishay Siliconix commercial Power MOSFET packages supplied by ASE such as TO220, DPAK and SOT223. The manufacturing process to be used in ASE is similar to that used in the Vishay Xi'an facility from which this package is currently manufactured.

ASE has received international quality systems and environmental compliance certifications including TS16949, ISO9001, ISO14001 and OSHAS 18001.

**CLASSIFICATION OF CHANGE:** Manufacturing Expansion

**REASON FOR CHANGE:** Additional assembly and test capacity

**EXPECTED INFLUENCE ON QUALITY/RELIABILITY/PERFORMANCE:** None

**PRODUCT CATEGORY:** Commercial High Voltage Power MOSFETs

**PART NUMBERS/SERIES/FAMILIES AFFECTED:** Refer to list of active part numbers included with this PCN

**VISHAY BRAND(s):** Vishay-Siliconix

**TIME SCHEDULE:** Shipment of production volumes will begin January 20, 2017.

**SAMPLE AVAILABILITY:** Samples will be built per request. Please contact your regional Vishay Sales office for sample ordering.

**PRODUCT IDENTIFICATION:** D2PAK products manufactured in ASE will have part marking in the form of N71K where the N is the factory designator for ASE.

**QUALIFICATION DATA:** Please contact your local sales office for a copy of the qualification report.

**This PCN is considered approved, without further notification, unless we receive specific customer concerns before January 20, 2017 or as specified by contract.**

**ISSUED BY:** Don Larson, Vishay Siliconix, Technical Marketing Manager.  
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# Product Change Notification



Product Group: Vishay Siliconix/October 21,2016/PCN-SIL-0332016 Rev 0

## Affected Parts

IRF510SPBF	IRF730STRRPBF	IRF9620STRLPBF	IRFZ14SPBF	SIHB12N60ET5-GE3
IRF510STRLPBF	IRF740ASPBF	IRF9630SPBF	IRFZ14STRLPBF	SIHB12N65E-GE3
IRF510STRRPBF	IRF740ASTRLPBF	IRF9630STRLPBF	IRFZ24SPBF	SIHB15N50E-GE3
IRF520SPBF	IRF740ASTRRPBF	IRF9630STRRPBF	IRFZ24STRLPBF	SIHB15N60E-GE3
IRF530SPBF	IRF740SPBF	IRF9640SPBF	IRFZ24STRRPBF	SIHB15N65E-GE3
IRF530STRLPBF	IRF740STRLPBF	IRF9640STRLPBF	IRFZ34SPBF	SIHB16N50C-E3
IRF530STRRPBF	IRF740STRRPBF	IRF9640STRRPBF	IRFZ34STRLPBF	SIHB16N50CTL-E3
IRF540SPBF	IRF820ASPBF	IRF9Z14SPBF	IRFZ44SPBF	SIHB16N50CTR-E3
IRF540STRLPBF	IRF820SPBF	IRF9Z14STRLPBF	IRFZ44STRLPBF	SIHB18N60E-GE3
IRF540STRRPBF	IRF820STRLPBF	IRF9Z14STRRPBF	IRFZ48SPBF	SIHB20N50E-GE3
IRF610SPBF	IRF820STRRPBF	IRF9Z24SPBF	IRFZ48SPBF	SIHB21N60EF-GE3
IRF610STRLPBF	IRF830ASPBF	IRF9Z24STRLPBF	IRFZ48STRLPBF	SIHB21N65EF-GE3
IRF610STRRPBF	IRF830ASTRLPBF	IRF9Z24STRRPBF	IRL510SPBF	SIHB22N60AE-GE3
IRF614SPBF	IRF830SPBF	IRF9Z34SPBF	IRL510STRLPBF	SIHB22N60E-E3
IRF614STRRPBF	IRF830STRLPBF	IRF9Z34STRLPBF	IRL510STRRPBF	SIHB22N60E-GE3
IRF620SPBF	IRF830STRRPBF	IRF9Z34STRRPBF	IRL530SPBF	SIHB22N60EL-GE3
IRF620STRLPBF	IRF840ASPBF	IRFBC20SPBF	IRL530STRRPBF	SIHB22N60ET1-GE3
IRF620STRRPBF	IRF840ASTRLPBF	IRFBC20STRLPBF	IRL540SPBF	SIHB22N60ET5-GE3
IRF624SPBF	IRF840ASTRRPBF	IRFBC30ASPBF	IRL540STRLPBF	SIHB22N60S-E3
IRF630SPBF	IRF840LCSPBF	IRFBC30ASTRLPBF	IRL620SPBF	SIHB22N60S-GE3
IRF630STRLPBF	IRF840LCSTRRPBF	IRFBC30SPBF	IRL620STRLPBF	SIHB22N65E-GE3
IRF630STRRPBF	IRF840SPBF	IRFBC30STRLPBF	IRL630SPBF	SIHB23N60E-GE3
IRF634STRLPBF	IRF840STRLPBF	IRFBC40ASPBF	IRL630STRLPBF	SIHB24N65E-E3
IRF634STRRPBF	IRF840STRRPBF	IRFBC40ASTRLPBF	IRL630STRRPBF	SIHB24N65EF-GE3
IRF640SPBF	IRF9510SPBF	IRFBC40ASTRRPBF	IRL640SPBF	SIHB24N65E-GE3
IRF640STRLPBF	IRF9510STRLPBF	IRFBC40SPBF	IRL640STRLPBF	SIHB24N65ET1-GE3
IRF640STRRPBF	IRF9510STRRPBF	IRFBC40STRLPBF	IRL640STRRPBF	SIHB24N65ET5-GE3
IRF644SPBF	IRF9520SPBF	IRFBE30SPBF	IRLZ14SPBF	SIHB25N50E-GE3
IRF644STRLPBF	IRF9520STRLPBF	IRFBE30STRLPBF	IRLZ14STRLPBF	SIHB28N60EF-GE3
IRF644STRRPBF	IRF9520STRRPBF	IRFBF20SPBF	IRLZ14STRRPBF	SIHB30N60E-E3
IRF710SPBF	IRF9530SPBF	IRFBF20STRLPBF	IRLZ24SPBF	SIHB30N60E-GE3
IRF710STRLPBF	IRF9530STRLPBF	IRFBF20STRRPBF	IRLZ34SPBF	SIHB33N60E-E3
IRF710STRRPBF	IRF9530STRRPBF	IRFBF30STRLPBF	IRLZ44SPBF	SIHB33N60EF-GE3
IRF720SPBF	IRF9540SPBF	IRFBF30STRRPBF	IRLZ44STRLPBF	SIHB33N60E-GE3
IRF720STRLPBF	IRF9540STRLPBF	IRFS11N50APBF	IRLZ44STRRPBF	SIHB33N60ET1-GE3
IRF720STRRPBF	IRF9540STRRPBF	IRFS11N50ATRLP	SIHB10N40D-GE3	SIHB33N60ET5-GE3
IRF730ASPBF	IRF9610SPBF	IRFS11N50ATTRP	SIHB12N50C-E3	SIHB35N60E-GE3
IRF730ASTRLPBF	IRF9610STRLPBF	IRFS9N60APBF	SIHB12N50E-GE3	SIHB6N65E-GE3
IRF730SPBF	IRF9610STRRPBF	IRFS9N60ATRLPBF	SIHB12N60E-GE3	SIHB8N50D-GE3
IRF730STRLPBF	IRF9620SPBF	IRFS9N60ASTRRPBF	SIHB12N60ET1-GE3	SIHF510S-GE3

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# Product Change Notification



Product Group: Vishay Siliconix/October 21,2016/PCN-SIL-0332016 Rev 0

## Affected Parts (con't)

SIHF510STRL-GE3	SIHF644STRL-GE3	SIHF840AS-GE3	SIHF9Z24STRL-GE3	SIHFZ14STRL-GE3
SIHF510STRR-GE3	SIHF644STRR-GE3	SIHF840ASTRL-GE3	SIHF9Z24STRR-GE3	SIHFZ24S-GE3
SIHF520S-GE3	SIHF710S-GE3	SIHF840ASTRR-GE3	SIHF9Z34STRL-GE3	SIHFZ24STRR-GE3
SIHF520STRL-GE3	SIHF710STRL-GE3	SIHF840LCS-GE3	SIHF9Z34STRR-GE3	SIHFZ34S-GE3
SIHF520STRR-GE3	SIHF720S-GE3	SIHF840S-GE3	SIHFBC20S-GE3	SIHFZ34STRL-GE3
SIHF530S-GE3	SIHF720STRL-GE3	SIHF840STRL-GE3	SIHFBC20STRL-GE3	SIHFZ44S-GE3
SIHF530STRL-GE3	SIHF720STRR-GE3	SIHF840STRR-GE3	SIHFBC30AS-GE3	SIHFZ44STRL-GE3
SIHF530STRR-GE3	SIHF730AS-GE3	SIHF9510S-GE3	SIHFBC30ASTRL-GE3	SIHFZ44STRR-GE3
SIHF540S-GE3	SIHF730ASTRL-GE3	SIHF9510STRL-GE3	SIHFBC30ASTRR-GE3	SIHFZ48RS-GE3
SIHF540STRL-GE3	SIHF730ASTRR-GE3	SIHF9520S-GE3	SIHFBC30S-GE3	SIHFZ48S-GE3
SIHF540STRR-GE3	SIHF730S-GE3	SIHF9520STRL-GE3	SIHFBC30STRL-GE3	SIHL510STRL-GE3
SIHF610S-GE3	SIHF730STRL-GE3	SIHF9520STRR-GE3	SIHFBC40AS-GE3	SIHL530STRR-GE3
SIHF610STRL-GE3	SIHF730STRR-GE3	SIHF9530S-GE3	SIHFBC40ASTRL-GE3	SIHL540S-GE3
SIHF610STRR-GE3	SIHF740AS-GE3	SIHF9530STRL-GE3	SIHFBC40ASTRR-GE3	SIHL540STRL-GE3
SIHF614S-GE3	SIHF740ASTRL-GE3	SIHF9530STRR-GE3	SIHFBC40S-GE3	SIHL620S-GE3
SIHF614STRR-GE3	SIHF740ASTRR-GE3	SIHF9540S-GE3	SIHFBC40STRL-GE3	SIHL620STRL-GE3
SIHF620S-GE3	SIHF740S-E3	SIHF9540STRL-GE3	SIHFBE30S-E3	SIHL630S-GE3
SIHF620STRL-GE3	SIHF740S-GE3	SIHF9610S-GE3	SIHFBE30S-GE3	SIHL630STRL-GE3
SIHF620STRR-GE3	SIHF740STRL-GE3	SIHF9610STRL-GE3	SIHFBE30STRL-GE3	SIHL630STRR-GE3
SIHF624S-GE3	SIHF740STRR-GE3	SIHF9610STRR-GE3	SIHFBF20S-GE3	SIHL640S-GE3
SIHF630S-GE3	SIHF820AS-GE3	SIHF9620S-GE3	SIHFBF20STRL-GE3	SIHL640STRL-GE3
SIHF630STL-E3	SIHF820S-GE3	SIHF9620STRL-GE3	SIHFBF20STRR-GE3	SIHL640STRR-GE3
SIHF630STRL-GE3	SIHF820STRL-GE3	SIHF9630S-GE3	SIHFBF30S-GE3	SIHLZ14S-GE3
SIHF630STRR-GE3	SIHF820STRR-GE3	SIHF9630STRL-GE3	SIHFS11N50A-GE3	SIHLZ14STRL-GE3
SIHF634S-GE3	SIHF830AS-GE3	SIHF9640S-GE3	SIHFS11N50ATRL-GE3	SIHLZ14STRR-GE3
SIHF634STRR-GE3	SIHF830ASTL-E3	SIHF9640STRL-GE3	SIHFS11N50ATTR-GE3	SIHLZ24S-GE3
SIHF640S-GE3	SIHF830ASTRL-GE3	SIHF9640STRR-GE3	SIHFS9N60A-GE3	SIHLZ34S-GE3
SIHF640STRL-GE3	SIHF830S-E3	SIHF9Z14S-GE3	SIHFS9N60ATRL-GE3	SIHLZ44S-GE3
SIHF640STRR-GE3	SIHF830S-GE3	SIHF9Z14STRL-GE3	SIHFS9N60ATTR-GE3	SIHLZ44STRR-GE3
SIHF644S-GE3	SIHF830STRL-GE3	SIHF9Z24S-GE3	SIHFZ14S-GE3	V961-0005-GE3

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