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**INITIAL PRODUCT/PROCESS CHANGE NOTIFICATION**

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**13 May 2008**

**SUBJECT: ON Semiconductor Initial Product/Process Change Notification #16117**

**TITLE: Initial Notification of the JFET Fab Transfer from Panjit and Phenitec to ON Semiconductor ISMF Fab in Malaysia**

**PROPOSED FIRST SHIP DATE: 13 Sep 2008**

**AFFECTED CHANGE CATEGORY: Subcontractor Fab site, ON Semi Fab site**

**AFFECTED PRODUCT DIVISION: Standard Components**

**FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:**

Contact you local ON Semiconductor Sales Office or Jose Ramirez <[jose.l.ramirez@onsemi.com](mailto:jose.l.ramirez@onsemi.com)>

**NOTIFICATION TYPE:**

Initial Product/Process Change Notification (IPCN)

First change notification sent to customers. IPCNs are issued at least 120 days prior to implementation of the change. An IPCN is advance notification about an upcoming change and contains general information regarding the change details and devices affected. It also contains the preliminary reliability qualification plan.

The completed qualification and characterization data will be included in the Final Product/Process Change Notification (FPCN).

This IPCN notification will be followed by a Final Product/Process Change Notification (FPCN) at least 90 days prior to implementation of the change.

**DESCRIPTION AND PURPOSE:**

To continue to support our Customers, the manufacturing of JFET Transistors is being transferred from subcontractors Panjit and Phenitec to ON Semiconductor internal Fab, ISMF at Seremban, Malaysia.

The change includes conversion from 100mm wafer dia to a 150mm wafer dia. Some minor modifications to Die are being made including saw scribe reduction and elimination of test patterns on some Die.

**Initial Product/Process Change Notification #16117****QUALIFICATION PLAN:**

Qual vehicles:           BSR58LT1G  
                              MMBFJ310LT1G  
                              MMBFJ175LT1G

HTRB    Ta = 150°C, 504, 1008 hrs, 80% Drain voltage  
HTGB    Ta = 150°C, 504, 1008 hrs, 100% Gate voltage  
HTSL    Ta = 150°C, 1008 hrs  
H3TRB   Ta = 85°C, RH = 85%, 80% rated Voltage  
AC       Ta = 121°C, RH = 100%, 14.7 psig, 96 hrs  
TC       Ta = -65°C to 150°C, 500, 1000 cycles  
IOL       Ta = 25°C, Delta Tj = 100°C Ton=Toff = 2 min, 7500, 15K cycles

**AFFECTED DEVICE LIST:****PART**

BSR58LT1G  
J112G  
J112RLRAG  
J309G  
J310G  
MMBF4391LT1G  
MMBF4392LT1  
MMBF4392LT1G  
MMBF4393LT1  
MMBF4393LT1G  
MMBF4393LT3G  
MMBFJ175LT1  
MMBFJ175LT1G  
MMBFJ177LT1  
MMBFJ177LT1G  
MMBFJ309LT1G  
MMBFJ310LT1G  
MMBFJ310LT3  
MMBFJ310LT3G  
MMBFU310LT1  
MMBFU310LT1G  
MPF4393RLRPG  
SMBF8608LT3  
SMBF8608LT3G  
SMBFJ310LT1  
SMMBFJ177LT1G  
SMMBFJ310LT3  
SMMBFJ310LT3G  
SPF3144QRLRP  
SPF3144QRLRPG