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**UPDATE CHANGE NOTIFICATION**

Generic Copy

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**26-Feb-2007**

**SUBJECT: ON Semiconductor Update Notification #15734**

**TITLE: Update Notification to PCN 15677 Improvement of MSL for SOT223**

**PROPOSED FIRST SHIP DATE: 07 April 2007**

**AFFECTED CHANGE CATEGORY(S): On Semiconductor Assembly**

**AFFECTED PRODUCT DIVISION(S): All**

**ADDITIONAL RELIABILITY DATA: Available at issuance of Final PCN**

**SAMPLES:** Contact your local ON Semiconductor Sales office [www.onsemi.com](http://www.onsemi.com)

**FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:**

Contact your local ON Semiconductor Sales Office or [Beatriz.Lofts@onsemi.com](mailto:Beatriz.Lofts@onsemi.com)

**NOTIFICATION TYPE:**

ON Semiconductor will consider this change approved unless specific conditions of acceptance are provided in writing within 30 days of receipt of this notice. To do so, contact your local ON Semiconductor Sales Office.

**DESCRIPTION AND PURPOSE:**

This is an Update notification to PCN 15677 to add the below listed devices. This announcement will make customers aware that ON Semiconductor is qualifying a new BOM with a different lead frame, die attach epoxy, and mold compound, that will improve the moisture sensitivity level (MSL) for the SOT223 package.

**Update Notification #15734****QUALIFICATION PLAN:**

PC MSL1 @ 260C with SAT pre and post MSL  
HTRB 150C, Bias=80% rated Vr, 1008 hrs, 80 x 3 lots + control  
HTGB 150C, Bias=100% rated gate V, 1008 hrs, 80 x 3 lots + control  
H3TRB 85C/85%RH 1008 hrs, 80 x 3 lots + control  
IOL Ta=25C, delta Tj=100C max, Ton=Toff=2 min, 15000 cycles, 80 x 3 lots + control  
TC Ta=-65/+150C, 1000 cycles, 80 x 3 lots + control  
AC/PC 121C, 15psig, 100% RH, 96 hrs, 80 x 3 lots + control

**AFFECTED DEVICE LIST:**

NCP1010ST100T3G  
NCP1011ST100T3G  
NCP1011ST65T3G  
NCP1012ST130T3G  
NCP1012ST65T3G  
NCP1013ST100T3G  
NCP1013ST130T3G  
NCP1013ST65T3G  
NCP1014ST100T3G  
NCP1014ST65T3G  
NCP1052ST136T3G  
NCP1052ST44T3G  
NCP1053ST136T3G  
NCP1053ST44T3G  
NCP1054ST136T3G  
NCP1055ST136T3G  
NCP1055ST44T3G  
NCV8664ST50T3G  
NCP565ST12T3G