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PRODUCT BULLETIN  
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03-NOV-2000

**SUBJECT: ON SEMICONDUCTOR PRODUCT BULLETIN 10341**

**TITLE: SMB CU-CLIP CONVERSION**

**EFFECTIVE DATE: 12-Nov-2000**

**AFFECTED CHANGE CATEGORY(S):**

**AFFECTED PRODUCT DIVISION(S):**

BIPOLAR DISCRETES PRODUCTS DIV

**ADDITIONAL RELIABILITY DATA:** None

**SAMPLES:** No

**FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:**

Contact Sales Office (PAUL LEM, <FFBFBM@onsemi.com>)

**DISCLAIMER:**

ON Semiconductor considers this change approved unless specific conditions of acceptance are provided in writing. To do so, contact your local ON Semiconductor sales office.

**DESCRIPTION AND PURPOSE:**

For the following list of devices, in the SMB package, the clip forming the electrical connection between the top surface of the die and the leadframe will change from nickel-plated copper to bare copper only. This is a continuous improvement change that will enhance solder wetting to the clip. This change only affects an internal package component and has no effect on external package features. This change follows PB#10192, which qualified bare copper clip usage in the SMC package. Reliability testing has been completed and reports are available upon request. This change will be fully instituted by WW46 of 2000.



**AFFECTED DEVICE LIST:**

**PB #10341**

- PART**  
1SMB100AT3  
1SMB10AT3  
1SMB10CAT3  
1SMB110AT3  
1SMB11AT3  
1SMB11CAT3  
1SMB120AT3  
1SMB12AT3  
1SMB12CAT3  
1SMB130AT3  
1SMB13AT3  
1SMB13CAT3  
1SMB14AT3  
1SMB14CAT3  
1SMB150AT3  
1SMB15AT3  
1SMB15CAT3  
1SMB160AT3  
1SMB16AT3  
1SMB16CAT3  
1SMB170AT3  
1SMB17AT3  
1SMB17CAT3  
1SMB18AT3  
1SMB18CAT3  
1SMB20AT3  
1SMB20CAT3  
1SMB22AT3  
1SMB22CAT3  
1SMB24AT3  
1SMB24CAT3  
1SMB26AT3  
1SMB26CAT3  
1SMB28AT3  
1SMB28CAT3  
1SMB30AT3  
1SMB30CAT3  
1SMB33AT3  
1SMB33CAT3  
1SMB36AT3  
1SMB36CAT3  
1SMB40AT3  
1SMB40CAT3  
1SMB43AT3  
1SMB43CAT3  
1SMB45AT3  
1SMB45CAT3  
1SMB48AT3  
1SMB48CAT3  
1SMB5.0AT3  
1SMB51AT3  
1SMB51CAT3  
1SMB54AT3  
1SMB54CAT3  
1SMB58AT3  
1SMB58CAT3  
1SMB6.0AT3  
1SMB6.5AT3  
1SMB60AT3  
1SMB60CAT3  
1SMB64AT3



**AFFECTED DEVICE LIST:**

**PB #10341**

- PART**  
1SMB64CAT3  
1SMB7.0AT3  
1SMB7.5AT3  
1SMB70AT3  
1SMB75AT3  
1SMB75CAT3  
1SMB8.0AT3  
1SMB8.5AT3  
1SMB85AT3  
1SMB9.0AT3  
1SMB90AT3  
MBRS1100T3  
MBRS190T3  
MBRS2040LT3  
MBRS240LT3  
P6SMB100AT3  
P6SMB10AT3  
P6SMB110AT3  
P6SMB11AT3  
P6SMB11CAT3  
P6SMB120AT3  
P6SMB12AT3  
P6SMB12CAT3  
P6SMB130AT3  
P6SMB13AT3  
P6SMB13CAT3  
P6SMB150AT3  
P6SMB15AT3  
P6SMB15CAT3  
P6SMB160AT3  
P6SMB16AT3  
P6SMB16CAT3  
P6SMB180AT3  
P6SMB18AT3  
P6SMB18CAT3  
P6SMB200AT3  
P6SMB20AT3  
P6SMB20CAT3  
P6SMB22AT3  
P6SMB22CAT3  
P6SMB24AT3  
P6SMB24CAT3  
P6SMB27AT3  
P6SMB27CAT3  
P6SMB30AT3  
P6SMB30CAT3  
P6SMB33AT3  
P6SMB33CAT3  
P6SMB36AT3  
P6SMB36CAT3  
P6SMB39AT3  
P6SMB39CAT3  
P6SMB43AT3  
P6SMB43CAT3  
P6SMB47AT3  
P6SMB47CAT3  
P6SMB51AT3  
P6SMB51CAT3  
P6SMB56AT3  
P6SMB56CAT3  
P6SMB6.8AT3



**AFFECTED DEVICE LIST:**

**PB #10341**

**PART**

P6SMB62AT3  
P6SMB62CAT3  
P6SMB68AT3  
P6SMB68CAT3  
P6SMB7.5AT3  
P6SMB75AT3  
P6SMB75CAT3  
P6SMB8.2AT3  
P6SMB82AT3  
P6SMB9.1AT3  
P6SMB91AT3  
SBR81100T3  
SZ1SMB18AT3  
SZ1SMB24AT3  
SZ1SMB26AT3  
SZ1SMB28AT3  
SZ1SMB30AT3  
SZ1SMB36AT3  
SZ1SMB40AT3  
SZ1SMB5.0AT3  
SZ1SMB60AT3  
SZ1SMB70AT3  
SZP6SMB15AT3  
SZP6SMB18AT3  
SZP6SMB200AT3  
SZP6SMB20AT3  
SZP6SMB27AT3  
SZP6SMB33AT3  
SZP6SMB36AT3  
SZP6SMB39AT3  
SZP6SMB56AT3  
SZP6SMB68AT3