



PRODUCT BULLETIN
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20-Oct-2008

SUBJECT: ON Semiconductor Product Bulletin # PB16167

TITLE: Datasheet change of Vbb Limits on MC100EP139

PROPOSED FIRST SHIP DATE: 20-Oct-2008

AFFECTED PRODUCT DIVISION: HFPD ENGINEERING

FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:

Contact your local ON Semiconductor sales office or Eric Rupnow <e.rupnow@onsemi.com>

NOTIFICATION TYPE:

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:

Test methodology improvements indicate prior limits were imprecisely set. A more accurate set of Minimum and Maximum limits will be corrected on the next revision of the datasheet to reflect these changes. Loading condition of Vbb pin changed from no load to a -100uA load.

Change VBB NECL Limits at all temperatures from (-1525mV, -1325mV) to (-1575mV, -1375mV)
Change VBB PECL Limits @ Vcc=5.0V for all temperatures from (3475mV, 3675mV) to (3425mV, 3625mV)
Change VBB PECL Limits @ Vcc=3.3V for all temperatures from (1775mV, 1975mV) to (1725mV, 1925mV)

AFFECTED DEVICE LIST :

MC100EP139DT
MC100EP139DTG
MC100EP139DTR2
MC100EP139DTR2G
MC100EP139DW
MC100EP139DWG
MC100EP139DWR2
MC100EP139DWR2G
MC100EP139MNG
MC100EP139MNTXG