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**UPDATE CHANGE NOTIFICATION #16271**Generic Copy

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**Issue Date:** 09-Aug-2010**TITLE:** Final Notification for transfer of products from MOS9 wafer fab (East Kilbride, Scotland) to CZ4 wafer fab (Roznov, Czech Republic)**PROPOSED FIRST SHIP DATE:** 26-Aug-2010**AFFECTED CHANGE CATEGORY(S):** ON Semiconductor wafer fab site**ADDITIONAL RELIABILITY DATA:** N/A**SAMPLES:** Contact your local ON Semiconductor Sales Office**FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:**Contact your local ON Semiconductor Sales Office or Eric Rupnow  
<[e.rupnow@onsemi.com](mailto:e.rupnow@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 <[quality@onsemi.com](mailto:quality@onsemi.com)>.

**DESCRIPTION AND PURPOSE:**

This is an update to FPCN16271 which is available at [www.onsemi.com](http://www.onsemi.com) ON Semiconductor.

MOS9 wafer fab will no longer support the fabrication of the E-Plus ECL translators. In order to continue to support our customer's requirements for E-Plus ECL Translator products, the fabrication of these devices is being moved from current wafer fab, MOS9 in East Kilbride Scotland, to ON Semiconductor's wafer fab, CZ4 in Roznov Czech Republic.

Due to slight increase in circuit current observed on CZ4 material, ICCH and ICCL upper specification limits are being changed. Vbb parameter was retargeted to meet ECL Family Vbb specifications.

In the course of reviewing the electrical data, Test Methodology improvements indicate prior limits were imprecisely set along with differences observed during evaluation comparison of MOS9 and CZ4. The following changes will be made in the Data Sheet:

For MC100EPT23:

Change ICCH Limits at all temperatures from (10mA, 25mA) to (10mA, 35mA)

Change Tpd Limits change from (1.1ns, 2.4ns) to (1.1ns, 1.8ns) across temperature range.

For MC100LVELT23:

Change ICCH Limits at all temperatures from (10mA, 25mA) to (10mA, 35mA)

For MC100EPT21:

Vbb limits to (1775mV, 1975mV) from (1910mV, 2160mV)

**UPDATE CHANGE NOTIFICATION #FPCN16271****List of affected General Parts:**

MC100EPT21D  
MC100EPT21DG  
MC100EPT21DR2  
MC100EPT21DR2G  
MC100EPT21DT  
MC100EPT21DTG  
MC100EPT21DTR2  
MC100EPT21DTR2G  
MC100EPT21MNR4  
MC100EPT21MNR4G  
MC100EPT23D  
MC100EPT23DG  
MC100EPT23DR2  
MC100EPT23DR2G  
MC100EPT23DT  
MC100EPT23DTG  
MC100EPT23DTR2  
MC100EPT23DTR2G  
MC100EPT23MNR4  
MC100EPT23MNR4G  
MC100LVELT23D  
MC100LVELT23DG  
MC100LVELT23DR2  
MC100LVELT23DR2G  
MC100LVELT23DT  
MC100LVELT23DTG  
MC100LVELT23DTR2  
MC100LVELT23DTRG  
MC100LVELT23MNRG