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**FINAL PRODUCT/PROCESS CHANGE NOTIFICATION**Generic Copy

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**20-Jun-2007****SUBJECT: ON Semiconductor Final Product/Process Change Notification #16024****TITLE: DUAL SOURCING OF SELECTED DEVICES AT ONPY1 IN SLOVAKIA****PROPOSED FIRST SHIP DATE: 20-Sep-2007****AFFECTED CHANGE CATEGORY(S): ON SEMICONDUCTOR WAFER FAB SITE****AFFECTED PRODUCT DIVISION(S): ANALOG PRODUCTS****FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:**Contact your local ON Semiconductor Sales Office or Alan Garlington <[alan.garlington@onsemi.com](mailto:alan.garlington@onsemi.com)>**SAMPLES:**Contact your local ON Semiconductor Sales Office or Jaroslav Supina <[Jaroslav.Supina@onsemi.com](mailto:Jaroslav.Supina@onsemi.com)>**ADDITIONAL RELIABILITY DATA:** AvailableContact your local ON Semiconductor Sales Office or Matt Kas <[Matt.Kas@onsemi.com](mailto:Matt.Kas@onsemi.com)>**NOTIFICATION TYPE:**

Final Product/Process Change Notification (FPCN)

Final change notification sent to customers. FPCNs are issued at least 90 days prior to implementation of the change.

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 the Final PCN to notify customers of the intent to qualify and dual source specific devices currently being processed at the ON Semiconductor M1 wafer fab in the Czech Republic (ONCR) to the existing ON Semiconductor wafer fab in Piestany, Slovakia (ONPY1). Initial PCN number 15715 was published on 26 January 2007 announcing the intention to qualify the additional wafer fab. All qualification work has now been completed for the parts listed below. The ONPY1 Wafer Fab will be used to provide additional capacity for the products specified below. The existing design database currently in use at ONCR has been transferred to ONPY1 with no change to the functional circuit design. Full electrical characterization and bench analysis been performed on all devices transferred to ensure no change to device functionality or data sheet electrical specifications.

Samples of parts processed at this new wafer fab are available upon request.

**Final Product/Process Change Notification #16024****RELIABILITY DATA SUMMARY:****Reliability Test Results: LM317LBDR2G – 1 lot**

Test	Conditions	Results
High Temperature Op Life	Ta = 125 C; 168, 504 Hrs	0/77
Preconditioning (PC) (SOIC part only)	MSL1@260C	0/154
AutoClave – PC Units	Ta = 121C; RH =100% ; 96 Hrs PSIG = 15	0/77
Temp Cycle – PC Units	-65C to +150C; 500 Cyc	0/77
ESD – Human Body Model - 2000v min.		Pass
ESD – Machine Model - 200v min.		Pass
Latch Up	Latch up Class I (25°C) LU+ >100mA/LU- >100mA	Pass

**ELECTRICAL CHARACTERISTIC SUMMARY:**

No changes in electrical characterization; all product performance meets current datasheet specifications.

**CHANGED PART IDENTIFICATION:**

Part numbers affected by this change will have traceability date codes not prior to WW38-2007.

**Final Product/Process Change Notification #16024****AFFECTED DEVICE LIST**

LM317LBD  
LM317LBDG  
LM317LBDR2  
LM317LBDR2G  
LM317LBZ  
LM317LBZG  
LM317LBZRA  
LM317LBZRAG  
LM317LBZRP  
LM317LBZRPG  
LM317LD  
LM317LDG  
LM317LDR2  
LM317LDR2G  
LM317LZ  
LM317LZG  
LM317LZRA  
LM317LZRAG  
LM317LZRE  
LM317LZRM  
LM317LZRP  
LM317LZRPG  
MC78L05ABD  
MC78L05ABDG  
MC78L05ABDR2  
MC78L05ABDR2G  
MC78L05ABP  
MC78L05ABPG  
MC78L05ABPRA  
MC78L05ABPRAG  
MC78L05ABPRE  
MC78L05ABPREG  
MC78L05ABPRM  
MC78L05ABPRMG  
MC78L05ACD  
MC78L05ACDG  
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MC78L05ACPRPG  
MC78L08ABD  
MC78L08ABDG  
MC78L08ABDR2  
MC78L08ABDR2G  
MC78L08ABP  
MC78L08ABPG

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MC78L08ABPRAG  
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MC78L08ACD  
MC78L08ACDG  
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MC78L15ABDR2G

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MC78L15ABP  
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MC78L24ACPRAG  
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MC78L24ACPRPG  
TL431ACD  
TL431ACDG  
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TL431ACDMR2G  
TL431ACDR2  
TL431ACDR2G  
TL431ACL  
TL431ACLPG  
TL431ACLRA  
TL431ACLPRAG  
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TL431ACLPRG  
TL431ACP  
TL431ACPG  
TL431AID  
TL431AIDG  
TL431AIDMR2  
TL431AIDMR2G  
TL431AIDR2  
TL431AIDR2G



**Final Product/Process Change Notification #16024**

TL431AILP  
TL431AILPG  
TL431AILPRA  
TL431AILPRAG  
TL431AILPRM  
TL431AILPRMG  
TL431AILPRP  
TL431AILPRPG  
TL431AIP  
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