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**FINAL PRODUCT/PROCESS CHANGE NOTIFICATION #16671**

Generic Copy

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**Issue Date:** 17-Jun-2011

**TITLE:** Copper Wire Replacing Gold Wire for SC88/A Packages

**PROPOSED FIRST SHIP DATE:** 21-Oct-2011

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

**FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:**

Contact your local ON Semiconductor Sales Office or <[jeff.song@onsemi.com](mailto:jeff.song@onsemi.com)>

**SAMPLES:** Contact your local ON Semiconductor Sales Office

**ADDITIONAL RELIABILITY DATA:** Available

Contact your local ON Semiconductor Sales Office or <[Lakshmi.kari@onsemi.com](mailto:Lakshmi.kari@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 <[quality@onsemi.com](mailto:quality@onsemi.com)>.

**DESCRIPTION AND PURPOSE:**

ON Semiconductor is notifying customers of its use of Copper Wire (in place of Gold Wire) for the SC88 and SC88A packages. Standard Logic (Mini Gate) products built with 0.6 um CMOS process (non-BOAC) are represented by this Process Change Notice. Reliability qualification has now been completed on the designated package qualification vehicle.

**FINAL PRODUCT/PROCESS CHANGE NOTIFICATION #16671****RELIABILITY DATA SUMMARY:****Reliability Test Results:**

<b>Test</b>	<b>Conditions</b>	<b>Results</b>
Electrical Test	ON Product Specification	0/267
Lot Prep		0/267
HTSL	1008hr at 150C	0/84
MSL1 at 260C	24Hr Bake@125°C + 168Hr 85/85 + 3 IR@260°C + 1X Flux Immersion + Alcohol + DI Rinse + Visual	0/5
TC-PC	-65°C to +150°C, 2000 cycles	0/84
AC-PC	TA = +121°C, RH = 100%, PSIG = 15, 96 cycles	0/84
SAT	5 virgin parts and 5 parts after MSL1	0/10

**CHANGED PART IDENTIFICATION:**

Products assembled with Copper Wire from ON Semiconductor facility will have a Finished Goods Date Code "XX T", wherein "T" represents October, 2011.



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**List of affected General Parts:**

DEVICES		
M74VHC1G125DFT1G	MC74VHC1G01DFT1G	NL17SZ126DFT2G
M74VHC1GT32DFT1G	MC74VHC1G14DFT2G	MC74VHC1G09DFT1G
MC74HC1G08DFT1G	MC74VHC1G01DFT2	MC74VHC1GT32DFT2
M74VHC1G125DFT2G	MC74VHC1G32DFT1	NL17SZ14DFT2
M74VHC1GT32DFT2G	MC74VHC1G01DFT2G	MC74VHC1G09DFT2
MC74HC1G08DFT2	MC74VHC1G32DFT1G	MC74VHC1GT50DFT1
M74VHC1G126DFT1G	MC74VHC1G02DFT1	NL17SZ14DFT2G
M74VHC1GT50DFT1G	MC74VHC1G32DFT2	MC74VHC1G09DFT2G
MC74HC1G08DFT2G	MC74VHC1G02DFT1G	MC74VHC1GT50DFT2
M74VHC1G126DFT2G	MC74VHC1G32DFT2G	NL17SZ16DFT2
M74VHC1GT50DFT2G	MC74VHC1G02DFT2	MC74VHC1G125DFT1
MC74HC1G14DFT1	MC74VHC1G50DFT1	MC74VHC1GT86DFT1
M74VHC1G132DFT1G	MC74VHC1G02DFT2G	NL17SZ16DFT2G
M74VHC1GT50DFT2H	MC74VHC1G50DFT1G	MC74VHC1G125DFT2
MC74HC1G14DFT1G	MC74VHC1G03DFT1	MC74VHC1GT86DFT2
M74VHC1G132DFT2G	MC74VHC1G50DFT2	NL17SZ17DFT2
M74VHC1GT86DFT1G	MC74VHC1G03DFT1G	MC74VHC1G126DFT1
MC74HC1G14DFT2	MC74VHC1G50DFT2G	MC74VHC1GU04DFT1
M74VHC1G135DFT1G	MC74VHC1G03DFT2	NL17SZ17DFT2G
M74VHC1GT86DFT2G	MC74VHC1G86DFT1	MC74VHC1G126DFT2
MC74HC1G14DFT2G	MC74VHC1G03DFT2G	MC74VHC1GU04DFT2
M74VHC1G135DFT2G	MC74VHC1G86DFT1G	NL17SZ32DFT2
M74VHC1GU04DFT1G	MC74VHC1G04DFT1	MC74VHC1G132DFT1
MC74HC1G32DFT1	MC74VHC1G86DFT2	NL17SZ00DFT2
M74VHC1GT00DFT1G	MC74VHC1G04DFT1G	NL17SZ32DFT2G
M74VHC1GU04DFT2G	MC74VHC1G86DFT2G	MC74VHC1G132DFT2
MC74HC1G32DFT1G	MC74VHC1G04DFT2	NL17SZ00DFT2G
M74VHC1GT00DFT2G	MC74VHC1GT00DFT1	NL17SZ86DFT2
MC74HC1G00DFT1	MC74VHC1G04DFT2G	MC74VHC1G135DFT1
MC74HC1G32DFT2	MC74VHC1GT00DFT2	NL17SZ02DFT2
M74VHC1GT02DFT1G	MC74VHC1G05DFT1	NL17SZ86DFT2G
MC74HC1G00DFT1G	MC74VHC1GT02DFT1	MC74VHC1G135DFT2
MC74HC1G32DFT2G	MC74VHC1G05DFT1G	NL17SZ02DFT2G
M74VHC1GT02DFT2G	MC74VHC1GT02DFT2	NL17SZU04DFT2
MC74HC1G00DFT2	MC74VHC1G05DFT2	MC74VHC1G14DFT1
MC74HC1GU04DFT1	MC74VHC1GT04DFT1	NL17SZ04DFT2
M74VHC1GT04DFT1G	MC74VHC1G05DFT2G	NL17SZU04DFT2G
MC74HC1G00DFT2G	MC74VHC1GT04DFT2	MC74VHC1G14DFT1G



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DEVICES		
MC74HC1GU04DFT1G	MC74VHC1G07DFT1	NL17SZ04DFT2G
M74VHC1GT04DFT2G	MC74VHC1GT08DFT1	NL17VHC1GT50DF1G
MC74HC1G02DFT1	NL17SZ06DFT2G	MC74VHC1G14DFT2
MC74HC1GU04DFT2	MC74VHC1G07DFT1G	NL17SZ06DFT2
M74VHC1GT08DFT1G	MC74VHC1GT08DFT2	NL17VHC1GT50DFT1
MC74HC1G02DFT1G	NL17SZ07DFT2	NL27WZ16DFT2G
MC74HC1GU04DFT2G	MC74VHC1G07DFT2	NL7SZ18DFT2G
M74VHC1GT08DFT2G	MC74VHC1GT125DF1	NL27WZ04DFT1G
MC74HC1G02DFT2	NL17SZ07DFT2G	NL27WZ04DFT2
MC74VHC1G00DFT1	MC74VHC1G07DFT2G	NL27WZ16DFT2H
M74VHC1GT125DF1G	MC74VHC1GT125DF2	NL7SZ19DFT2
MC74HC1G02DFT2G	NL17SZ08DFT2	NL27WZ17DFT2
MC74VHC1G00DFT1G	MC74VHC1G08DFT1	NL27WZ04DFT2G
M74VHC1GT125DF2G	MC74VHC1GT126DF1	NL7SZ19DFT2G
MC74HC1G04DFT1	NL17SZ08DFT2G	NL27WZ17DFT2G
MC74VHC1G00DFT2	MC74VHC1G08DFT1G	NL27WZ06DFT2
M74VHC1GT126DF1G	MC74VHC1GT126DF2	NL27WZ07DFT2G
MC74HC1G04DFT1G	NL17SZ125DFT2	NL27WZU04DFT2
MC74VHC1G00DFT2G	MC74VHC1G08DFT2	NL27WZ14DFT2
M74VHC1GT126DF2G	MC74VHC1GT14DFT1	NL27WZ06DFT2G
MC74HC1G04DFT2	NL17SZ125DFT2G	NL27WZU04DFT2G
MC74VHC1G01DFT1	MC74VHC1G08DFT2G	NL27WZ14DFT2G
M74VHC1GT14DFT1G	MC74VHC1GT14DFT2	NL27WZ07DFT2
MC74HC1G04DFT2G	NL17SZ126DFT2	NL7SZ18DFT2
M74VHC1GT14DFT2G	MC74VHC1G09DFT1	NL27WZ16DFT2
MC74HC1G08DFT1	MC74VHC1GT32DFT1	