



FINAL PRODUCT/PROCESS CHANGE NOTIFICATION #16671A

Generic Copy

Issue Date: 11-Jun-2014

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

PROPOSED FIRST SHIP DATE: 11-Sep-2014

AFFECTED CHANGE CATEGORY(S): Assembly

FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:

Contact your local ON Semiconductor Sales Office or <terry.galloway@onsemi.com>

SAMPLES: Contact your local ON Semiconductor Sales Office

ADDITIONAL RELIABILITY DATA: Available

Contact your local ON Semiconductor Sales Office or <Jose.Aguilar@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>.

DESCRIPTION AND PURPOSE:

As previously announced in initial PCN #16671, published Jun 17, 2011, ON Semiconductor is notifying customers of its use of Copper Wire (in place of Gold Wire) for the SC88 and SC88A packages. This FPCN provides an expansion list of Standard Logic (Mini Gate) products built with 0.6 um CMOS process. Reliability qualification has been completed on the designated package qualification vehicle.



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RELIABILITY DATA SUMMARY:

Reliability Test Results:

Test	Conditions	Results
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 K", wherein "K" represents May, 2014.

List of affected General Parts:

NL7SZ57DFT2G	NL7SZ58DFT2G	NL7SZ97DFT2G
NL7SZ98DFT2G	7SB384DFT2G	7SB385DFT2G
7SB3125DFT2G	7SB3126DFT2G	7SB3257DFT2G
M74VHC1G09DFT2GH	M74VHC1GU04DFT1H	M74VHC1GU04DFT2H
MC74HC1G00DFT1GH	MC74HC1G00DFT1H	MC74HC1G00DFT2GH
MC74HC1G04DFT1GH	MC74HC1G08DFT1GH	MC74HC1G08DFT2GH
MC74HC1G32DFT1H	MC74VHC1G01DFT2H	MC74VHC1G02DFT2H
MC74VHC1G05DFT1H	MC74VHC1G08DFT1H	MC74VHC1G08DFT2H
MC74VHC1G125DFT1G	MC74VHC1G32DFT1H	MC74VHC1G32DFT2H
MC74VHC1G50DFT2H	NL17SZ00DFT2GH	NL17SZ04DFT2H
NL17SZ06DFT2GH	NL17SZ08DFT2GH	NL17SZ32DFT2GH
MC74VHC1GU04DF1G	NL27WZ07DFT2GH	NL27WZ14DFT2GH
NL17SZ86DFT2GH		