



UPDATE CHANGE NOTIFICATION # 20106

Generic Copy

Issue Date: 15-Aug-2013

TITLE: NCP380 TSOP5/6 Copper Wire Qualification

PROPOSED FIRST SHIP DATE: 14-Mar-2014

AFFECTED CHANGE CATEGORY(S): ON Semiconductor Manufacturing Assembly

FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:

Contact your local ON Semiconductor Sales Office or <todd.manes@onsemi.com>

SAMPLES: Contact your local ON Semiconductor Sales Office

ADDITIONAL RELIABILITY DATA: Available

Contact your local ON Semiconductor Sales Office or <ken.fergus@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>.

DESCRIPTION AND PURPOSE:

FPCN 20106 was published in June 2013 to announce the qualification of Copper wire (in place of Gold wire) on the NCP380 TSOP5 and TSOP6 parts assembled in the Seremban, Malaysia assembly location.

This Update Notification (UN20106) is simply to update our customers that an additional six months will be provided for completion of customer-qualifications of the Cu-wire product. FPCN 20106 offered shipment of Cu-wire product from WW36 2013 onward. UN 20106 now updates the first shipment date to WW11 2014.



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RELIABILITY DATA SUMMARY:

Reliability Test Results: (qualification vehicle NCP380HSNAJAAT1G)

Test	Conditions	Results		
		Lot A	Lot B	Lot C
Pre-conditioning	MSL-1			
Autoclave	Ta=121C, RH=100% Pressure=15psi; 96 hours	0/84	0/84	0/84
HAST	Ta=130C, RH=85% Pressure=18.8PSI; 192 hours	0/91	0/91	0/91
HTSL	Ta=150C; 1008 hours	0/94	0/94	0/94
TC	Ta=-65C to +150C; 500cyc	0/106	0/106	0/106
Resistance to solder heat	JESD22-B106 Temp=260C	0/30	0/30	0/30

ELECTRICAL CHARACTERISTIC SUMMARY:

There is no electrical characterization difference in products assembled with copper wire.

CHANGED PART IDENTIFICATION:

There will be no change in marking or appearance in products assembled with Copper wire in place of Gold wire. Products listed on this UN will have a marking date code representing work week 11, 2014 or later.

List of affected General Parts:

- NCP380HSN05AAT1G
- NCP380HSN05AAT2G
- NCP380HSN10AAT1G
- NCP380HSNAJAAT1G
- NCP380LSN05AAT1G
- NCP380LSN10AAT1G
- NCP380LSNAJAAT1G