



FINAL PRODUCT/PROCESS CHANGE NOTIFICATION #16426Generic Copy

Issue Date: 18 Mar 2010**TITLE:** LQFP 176L transfer from ATP1 to ATK1**PROPOSED FIRST SHIP DATE:** 18 Jun 2010**AFFECTED CHANGE CATEGORY(S):** New Assembly Site**FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:**Contact your local ON Semiconductor Sales Office or <rhal.alolod@onsemi.com>**SAMPLES:** Contact your local ON Semiconductor Sales Office**ADDITIONAL RELIABILITY DATA:** AvailableContact your local ON Semiconductor Sales Office or <phine.guevarra@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:**

The change is to qualify ATK1 as new assembly house in replacement of ATP1. This will secure continuous production of the affected devices after losing capability in ATP1 due to major equipment down that is no longer repairable.

Propose Change	Package Affected	From	To
Assembly Site	LQFP 176 L	ATP1	ATK1

**FINAL PRODUCT/PROCESS CHANGE NOTIFICATION #16426****RELIABILITY DATA SUMMARY:**

Reliability Test	Test Condition	Result
External Visual	Refer to Mil Std 883 Method 2009	Passed
Mark Permanency Test	Refer to JEDEC JESD22-B107	Passed
Bond Pull Test	Refer to Mil Std 883 Method 2011.7	Passed
Solderability	215 deg Celsius	Passed
Moisture Preconditioning Bake Humidity Soak Reflow	125 deg Celsius, 21 hr 30 deg Celsius/ 60% RH, 192 hrs 220 deg Celsius, 3 cycles	Passed
Scanning Acoustic Microscopy	Pre and Post MSL	Passed
Physical Dimension	Refer to JEDEC JESD22-B100	Passed
Temperature Cycling	-65/150 deg Celsius, 1000 cycles	Passed
High Accelerated Stress (Unbiased)	130 deg Celsius/85% RH, 96 hrs	Passed

CHANGED PART IDENTIFICATION:

No change on ONSEMI Part number, but new compound and epoxy will be effective on date code 1023 (YYWW).



FINAL PRODUCT/PROCESS CHANGE NOTIFICATION #16426

List of affected Customer Specific Parts:

PART

06715-508-XTD
06817-019-XTD
06817-020-XTD
06817-807-XTD
06817-808-XTD