



FINAL PRODUCT/PROCESS CHANGE NOTIFICATION #16425Generic Copy

Issue Date: 26 Mar 2010**TITLE:** PQFP Mold Compound and Epoxy Change at ASEK**PROPOSED FIRST SHIP DATE:** 26 Jun 2010**AFFECTED CHANGE CATEGORY(S):** Assembly – Die attach and Mold process**FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:**Contact your local ON Semiconductor Sales Office or <[rhal.alolod @onsemi.com](mailto: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](mailto: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 convert from standard to green mold compound and die attach epoxy for PQFP in ASEK due to worldwide GREEN policy.

Propose Change	Package Affected	From	To
D/A Material	PQFP	ABL 8360	2288A
Mold compound		EME-6600CS	EME-G700A
Plating		63Sn/37Pb	same

**FINAL PRODUCT/PROCESS CHANGE NOTIFICATION #16425****RELIABILITY DATA SUMMARY:**

Reliability Test	Reference	Test Condition
Moisture Preconditioning (PC)	J-STD-020 & JESD22-A113	Moisture Soak (MSL = 3) Solder Reflow (3x @ 260°C)
Delamination check (SAT)	J-STD-020	Acoustic Microscopy
HAST Unbiased (UHST)	JESD22-A110	130°C/ 85%RH for 96 hrs
Preconditioning Temperature Cycling (TC)	JESD22-A104	-55°C to 150°C for 100 cycles
Temperature Cycling (TC)	JESD22-A104	-65°C to 150°C for 500 cycles

CHANGED PART IDENTIFICATION:

No change on ONSEMI Part number, but new compound and epoxy will be effective on date code 1022 (YYWW)



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List of affected Customer Specific Parts:

PART

61701-001-XTD
62144-001-XTD
15025-509-XTD
12041-001-XTD
0GMAC-001-XTD