



FINAL PRODUCT/PROCESS CHANGE NOTIFICATION #16566Generic Copy

Issue Date: 18-Apr-2011**TITLE:** Qualification of OSPI for Assembly of 16 Lead TSSOP**PROPOSED FIRST SHIP DATE:** 20-Jul-2011**AFFECTED CHANGE CATEGORY(S):** ON Semiconductor Assembly Site**FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:**Contact your local ON Semiconductor Sales Office or Aradhana Singh <ffxvyw@onsemi.com>**SAMPLES:** Contact your local ON Semiconductor Sales Office**ADDITIONAL RELIABILITY DATA:** AvailableContact your local ON Semiconductor Sales Office or Richard.Clemente <ffwtmt@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:**

This is the Final Process Change Notice to IPCN 16566 available at www.onsemi.com to notify customers of the qualification of the ON Semiconductor assembly location at Carmona, Philippines (OSPI) for 16 lead TSSOP package. The devices listed on this FPCN have historically been assembled at the OSE assembly facility located in Philippines. At the expiration of this Final PCN, these devices will be assembled at OSPI, Carmona. The devices will continue to remain halogen-free.



FINAL PRODUCT/PROCESS CHANGE NOTIFICATION #16566

RELIABILITY DATA SUMMARY:

Qualification data summary:

Qualification vehicle: PCS1P2860AG-16TR

Assembly Validation:

Assembly process yield comparison of 3 lots: >99%

Wire Bond Shear Test : Cpk > 1.33

Wire Bond Pull: Cpk > 1.33

Environmental Stress Test Results Summary:

ZERO REJECTS achieved for the following tests:

Preconditioning: Moisture Level 1 (MSL1)

TC-PC: Ta = -65°C to +150°C to 1000 cycles

AC-PC: Ta = +121°C, RH = 100%, P = 15 PSIG to 96 Hrs

HTS: Ta = 150°C to 1008 Hr

ELECTRICAL CHARACTERISTIC SUMMARY:

Available upon request

CHANGED PART IDENTIFICATION:

All devices processed at OSPI Carmona will have the location code "P" as part of the device traceability code.



FINAL PRODUCT/PROCESS CHANGE NOTIFICATION #16566

List of affected General Parts:

P5P2308AF-216TR
P5P2308AF-1H16TR
P5P2308AF-3-16TR
PCS1P2860AG-16TR
P5I2308AF-216TT
P5P2309AF-1H16TR
ASM3P2854CG-16TR
P1P2861AG-16TR
P5P2309AF-1-16TR
P1P2859AG-16TR
ASM3P2855DG-16TR
P3P623S00EG-16TR
P5P2309AF-1-16TT