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**UPDATE CHANGE NOTIFICATION # 16642**Generic Copy

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**Issue Date:** 21-Oct-2011

**TITLE:** Update Notification to FPCN16642 for Qualification of SOT23 3L, SOT23 5L & SOT23 6L Packages in Assembly and Test Site in LPS (China).

**PROPOSED FIRST SHIP DATE:** 21-Oct-2011

**AFFECTED CHANGE CATEGORY(S):** Package, Device Marking, Date Code Marking, Pin Configuration, Assembly & Test Site

**FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:**

Contact your local ON Semiconductor Sales Office or Suei Huey Wong  
<[SueiHuey.Wong@onsemi.com](mailto:SueiHuey.Wong@onsemi.com)>

**SAMPLES:** Contact your local ON Semiconductor Sales Office

**ADDITIONAL RELIABILITY DATA:** Available

Contact your local ON Semiconductor Sales Office or Francis Lualhati <[ffxczy@onsemi.com](mailto:ffxczy@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](mailto:quality@onsemi.com)>.

**DESCRIPTION AND PURPOSE:**

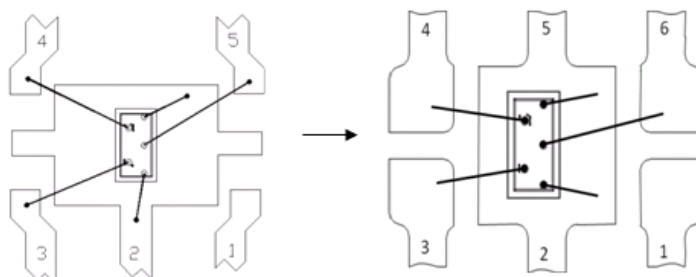
This is the final notification announcing that ON Semiconductor is adding assembly and test manufacturing capacity for SOT23 3L, SOT23 5L & SOT23 6L packaged ESD Protection products to Internal Assembly site at LPS, China. These products continue to meet RoHS requirement and are also Halide Free.

This Update Notification UN16642 is an update of the FPCN16642 submitted on 05/31/2011. The two part numbers CM1231-02SO and CM1224-04SO were removed from the list.



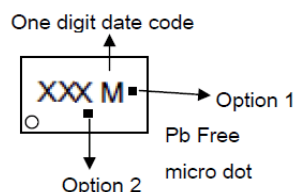
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**Package Change & Pin Configuration Change:** The package for SOT23 5L devices will change to SC-74. Pin 5 will be replaced by Pin 6 of SC-74. Pin 5 of the SC-74 will be the same electrical connection as Pin 2.



**Device Marking Change:** The marking for all affected devices will change from 4 characters to 3 characters with the first character being removed.

**Date Code Marking Change:** The date code marking will be changed from YYWW to one digit/alphabet monthly date coding on the device top side.



Device	Current Package	LPS Package	Current Device Marking	LPS Device Marking
CM1213A-01SO	SOT23 3L	SOT23 3L	D231	231
CM1214A-01SO	SOT23 3L	SOT23 3L	RF1S	F1S
CM1213A-02SO	SOT23 5L	SC-74	D233	233
CM1293A-02SO	SOT23 5L	SC-74	D633	633
CM1213A-04SO	SOT23 6L	SC-74	D234	234
CM1293A-04SO	SOT23 6L	SC-74	D635	635

## RELIABILITY DATA SUMMARY:

### Reliability Test Results:

Qual Vehicle: CM1231-02SO

Test:	Conditions:	Interval:	Results:
TC+PC	Ta= -65 C to 150 C	1000 cyc	0/240
HTSL	TA=150C, Unbiased	1008 hrs	0/240
HTRB	TA=125C, 80% Rated Voltage	1008 hrs	0/240
HAST+PC	Ta=131C RH=85% ~18.8 psig	96 hrs	0/240
AC+PC	Ta=121C RH=100% ~15 psig	96 hrs	0/240
RSH	Ta=260C, 10 sec dwell		0/30

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**ELECTRICAL CHARACTERISTIC SUMMARY:** Available upon request

**CHANGED PART IDENTIFICATION:**

Devices with date code marking of 7 or later may be sourced from either the new manufacturing location in China or external subcontractor manufacturing sites.

**List of affected General Parts:**

CM1213A-01SO  
CM1214A-01SO  
CM1213A-02SO  
CM1293A-02SO  
CM1213A-04SO  
CM1293A-04SO