

**Product Change Notice**

PCN0804 (v1.0) June 30, 2008

**Overview**

The purpose of this notification is to announce that Holt Integrated Circuits has standardized the Die Attach Pad (DAP) size configuration for all products which previously used the 300 mil x 300 mil DAP 44L PLCC Package.

**Description**

Holt Integrated Circuits has standardized the 300 mil x 300 mil DAP products built in a 44L PLCC with a DAP size of 435 mil x 405 mil at Holt's qualified subcontractor, CEI. This DAP standardization will result in a change to the Moisture Sensitivity Level rating of the products in Table 1. The MSL 3 rating is due to the re-qualification required at the increased Pb+ free temperature reflow requirements of J-STD-020D.01.

There is no change to the external physical dimensions of the package. Holt's qualified subcontractor, CEI, will assemble the package/product to meet all of the existing visual, dimensional, electrical, quality and reliability specifications. This package and DAP combination has been previously qualified with the HI-8282J-44, which has been in production for years.

The PCN Change type is to Quality (MSL). There is no change to Fit, Form, Function and Reliability.

**Reason**

The standardization is the result of the obsolescence of the existing 300 mil x 300 mil DAP size from CEI's lead frame supplier.

**Products Affected**

Table 1 summarizes the products affected by this PCN. All parts listed are affected by this change.

*Table 1: Products Affected*

3282PJI	3282PJI-10	8282APJI	8282APJI-10	8581PJI	8589PJI
3282PJT	3282PJT-10	8282APJT	8282APJT-10	8581PJT	8589PJT
3282PJM	3282PJM-10	8282APJM	8282APJM-10	8581PJIF	8589PJIF
3282PJIF	3282PJIF-10	8282APJIF	8282APJIF-10	8581PJTF	8589PJTF
3282PJTF	3282PJTF-10	8282APJTF	8282APJTF-10	8581PJI-10	8589PJI-10
3282PJMF	3282PJMF-10	8282APJMF	8282APJMF-10	8581PJT-10	8589PJT-10
				8581PJIF-10	8589PJIF-10
				8581PJTF-10	8589PJTF-10

**Traceability**

A Date Code facilitates package traceability. Parts from Table 1 in this package configuration will be shipped with a Date Code of 0805 or later, beginning Sep 30, 2008.

**Note:** Starting Sep 30, 2008, devices with either DAP size can be shipped at Holt's discretion until inventory from finished goods is exhausted.

**Qualification Data**

Reliability Test	Requirement	Sample Size/ Fails (QR-8016 Rev 1.0)
Device Characterization	Final Test yield analysis over -55°C and +125°C temperature extremes.	180/0
Precondition (PC)	MSL 3	11/0
PC + HAST	96 hrs	45/0
PC + Autoclave	96 hrs	45/0
PC + Temp Cycle	1000 cycles	45/0
PC + HTS	1000 hrs	45/0

## Response

**Note:** In accordance with JESD46-C, this change is deemed accepted by the customer if no acknowledgement is received within 30 days from this notice.

No response is required. For additional information or questions, please contact:

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## Additional Documentation

Below is a list of documents that are associated with this notice:

- QR-8016 Rev. 1.0 PLCC 44L CEI

## Revision History

The following table shows the revision history for this document.

Date	Version	Revision Description
6/30/08	1.0	Initial Release