

**Product Change Notice**

PCN0810 (v1.0) December 02, 2008

**Overview**

The purpose of this notice is to announce the addition of Criteria Labs in Austin, Texas as a qualified assembly supplier for ceramic side-brazed DIP package for both ARINC 429 and MIL-STD 1553 family of devices.

**Description**

Holt Integrated Circuits has qualified an alternate source supplier for assembly of devices in the ceramic side-brazed DIP packages.

There is no change to Fit, Form, Function, Quality or Reliability of these devices. There is no change to the package material set, (substrate, die attach, and wire) and the manufacturing processes are compatible with ceramic side-brazed DIP packages that Holt currently supplies from other qualified assembly suppliers. The products will be fully compliant to all published datasheet specifications. Quality and Reliability will remain at the highest standards already demonstrated with Holt Integrated Circuits' existing products.

**Reason**

Qualification of an alternate ceramic package assembly site will provide additional assembly capacity and is being added to ensure guaranteed supply of ceramic package products for our customers.

**Products Affected**

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

**Traceability**

A Date Code will facilitate package traceability. Parts from Table 1 with a date code of 0845 or later can be assembled at either Criteria Labs or Holt's other qualified assembly supplier. Product from either assembly subcontractor can be shipped interchangeably, beginning March 1, 2009.

**Table 1: Products Affected**

HI-1565CDI	HI-1567CDI	HI-1570CDI	HI-1574CDI	HI-15530CDI
HI-1565CDT	HI-1567CDT	HI-1570CDT	HI-1574CDT	HI-15530CDT
HI-1565CDM	HI-1567CDM	HI-1570CDM	HI-1574CDM	HI-15530CDM
HI-1566CDI	HI-1568CDI	HI-1573CDI	HI-1579CDI	HI-8482C
HI-1566CDT	HI-1568CDT	HI-1573CDT	HI-1579CDT	HI-8482CT
HI-1566CDM	HI-1568CDM	HI-1573CDM	HI-1579CDM	HI-8482CM-01 HI-8482CM
HI-3182CDI	HI-3282CDI	HI-8383C	HI-8282C	
HI-3182CDT	HI-3282CDT	HI-8383CT	HI-8282CT	HI-8282ACDI
HI-3182CDM	HI-3282CDM	HI-8383CM	HI-8282CM	HI-8282ACDT
HI-3183CDI	HI-3282CDI-10	HI-8383CM-01	HI-8282CM-01	HI-8282ACDM
HI-3183CDT	HI-3282CDT-10	HI-8382C	HI-8282CM-03	HI-8282ACDI-10
HI-3183CDM	HI-3282CDM-10	HI-8382CT		HI-8282ACDT-10
6010C	6010CM-10	HI-8382CM	HI-8382CM-03	HI-8282ACDM-10
6010CT		HI-8382CM-01	HI-8382CM-21	

**Qualification Data**

Holt Integrated Circuits performed an on-site audit on this facility in September 2008 and verified Criteria Labs conformance to Holt, ISO 9001:2000, and DSCC Quality System Requirements. Criteria Labs is DSCC qualified with full QML Certification/Qualification.

Table 2:

Reliability Test	Results
	QR-8050 Rev 1.0 Ceramic SB DIP 8382CM-01
Group-D1	15/0
Group-D2	15/0
Group-D3	15/0
Group-D4	15/0
Group-D5	15/0
Group-D6	3/0
Group-D7	15/0

Successful qualification of this selected package qualifies all other listed products in this package type.

### 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-8050 Rev. 1.0 Ceramic Side-Brazed DIP Package Assembly Qualification -Criteria Labs Austin, Texas

### Revision History

The following table shows the revision history for this document.

Date	Version	Revision Description
12/02/08	1.0	Initial Release