

Product Change Notice

PCN1003 (v1.0) April 22, 2010

Overview

This notice describes the changes to the 100-Lead Quad Flat Pack (QFP) Package for the HI-8045PQx LCD Display Driver family of devices.

Description

Added Greatek Electronic's Taiwan assembly facility to our qualified supplier list as an approved LQFP package subcontract manufacturer to increase Holt Integrated Circuits manufacturing capacity for products being assembled in this package type.

Greatek Electronics has achieved facility certification to ISO 9000-2008, ISO/TS 16949-2009 and ISO 14001-2004. More information is available at Greatek's website: <http://www.greatek.com.tw/iso.htm>

Devices assembled in the 100-Lead Low-Profile Quad Flat Pack (LQFP) Package from CARSEM, Malaysia are transferred to a 100-Lead Low-Profile Quad Flat Pack (LQFP) Package assembled at Greatek Electronics, Taiwan. This change affects Form as indicated below:

- o Mold Compound from Sumitomo EME 7351LS to Sumitomo G600F
- o Die Attach from to Ablestik 1LMIS-84 to CRM-1076DJ-G

The 100-Lead LQFP package assembly is fully qualified at the Greatek, Taiwan location. (See Qualification Data in Table 2)

There is no change to Fit, Function, Quality or Reliability of these devices.

Reason

The 100-Lead LQFP at Greatek, Taiwan is being added to ensure guaranteed supply of QFP package configuration device products.

Products Affected

Table 1: Products Affected

HI-8045PQ	HI-8045PQI	HI-8045PQT
HI-8045PQ-11	HI-8045PQI-11	

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

Traceability

A Date Code and Country of Origin facilitate package traceability. Parts from Table 1 can be shipped with a Country of Origin of Taiwan and a Date Code of 0935 or later, beginning June 22, 2010. Product from the CARSEM, Malaysia location will stop shipping upon inventory depletion.

Qualification Data

Reliability Test	Requirement	Results	
		100-LQFP HI-8045	100-LQFP HI-6120
Device Characterization	Final Test yield analysis over -55°C and +125°C temperature extremes.	225/0	225/0
Precondition (PC)	MSL 3	11/0	11/0
PC + HAST	96 hrs	45/0	45/0
PC + Autoclave	96 hrs	45/0	45/0
PC + Temp Cycle	1000 cycles	45/0	45/0
PC + HTS	1000 hrs	45/0	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-1003 Rev. 1.0 100-Lead LQFP Package Qualification Greatek, Taiwan

Revision History

The following table shows the revision history for this document.

Date	Version	Revision Description
4/22/10	1.0	Initial Release