

Overview

The purpose of this notification is to announce the addition of Greatek Electronic, Taiwan assembly facility for QFN, TQFP, TSSOP and Small Outline (SOIC) packages for Holt's ARINC 429, ARINC 825, MIL-STD 1553, Discrete to Digital, & LCD Display Driver family of devices.

Description

Added Greatek Electronic, Taiwan assembly facility to Holt's qualified supplier list as an approved QFN, TQFP, TSSOP and SOIC package subcontract manufacturer to increase manufacturing capacity for products being assembled in these package types. Greatek Electronic, Taiwan facility has achieved facility certification to ISO 9001:2008, ISO/TS 16849-2002 and ISO 14001-2004 and has been a Holt approved supplier for over 3 years for other package types. More information is available at Greatek's website: <http://www.greatek.com.tw>.

The TSSOP (20L & 38L), SOIC (8L, 14L, 16L, 18L, 20L & 24L), TQFP (32L & 64L) and the QFN (16, 44 & 64) package assemblies are fully qualified at Greatek Electronic (See Qualification Data in Table 2).

This PCN change type is to Form only. There is no change to FIT, Function, Quality or Reliability.

Reason

Holt Integrated Circuits has been notified that their current assembly supplier CEI has been severely impacted due to flooding in Thailand and will sustain significant delays in returning to full assembly and manufacturing capability.

Products Affected

All parts listed are affected by this change. This includes devices in both the standard and Pb-free packages and devices in all grades; industrial, extended temperature and extended temperature with burn-in.

Table 1:

HI-1565PCx	HI-3113PCx	HI-3582APCx	HI-3587PCx	HI-6110PCx	HI-8423PTx	HI-8585PSx-N
HI-1566PCx	HI-3200PCx	HI-3582APCx-15	HI-3588PCx	HI-6121PCx	HI-8424PTx	HI-8588PSx
HI-1567PCx	HI-3210PCx	HI-3583APCx	HI-3596PCx	HI-6131PCx	HI-8444PSx	HI-3110PSx
HI-1568PCx	HI-3582PCx	HI-3583APCx-15	HI-3596PCx-40	HI-8448PCx	HI-8444PSx-10	HI-3111PSx
HI-1570PCx	HI-3582PCx-10	HI-3584PCx	HI-3598PCx	HI-8448PCx-10	HI-8445PSx	HI-8570PSx
HI-1573PCx	HI-3583PCx	HI-3584APCx-15	HI-3599PCx	HI-8591PCx	HI-8445PSx-10	HI-8571PSx
HI-1574PCx	HI-3583PCx-10	HI-3582PCx	HI-3599PCx-40	HI-8591PCx-40	HI-8448PSx	HI-8591PSx
HI-1575PCx	HI-3584PCx	HI-3585PCx	HI-3717PCx	HI-8592PCx	HI-8448PSx-10	HI-8591PSx-40
HI-1579PCx	HI-3584PCx-10	HI-3586PCx	HI-3593PCx	HI-8596PCx	HI-8585PSx	HI-8592PSx
HI-1581PCx	HI-8050PQX	HI-8150PQX	HI-8422PQX	HI-8686PQX	HI-8787PQX	HI-8593PSx
HI-3182PSx	HI-3182PSx-N	HI-3183PSx	HI-3184PSx	HI-3184PSx-N	HI-3185PSx	HI-3185PSx-N
HI-3186PSx	HI-3188PSx	HI-3189PSx	HI-3189PSx-N	HI-3597PSX	HI-3597PSx	HI-3599PSx
					HI-8420PSx	HI-3599PSx-40

Traceability

A Date Code and Country of Origin facilitate package traceability. Parts from Table 1 can be shipped with a Date Code of 1145 or later, beginning January 1, 2012.

Qualification Data Table 2:

Reliability Test	Requirement	Results	Results	Results	Results
		QR-1139 Rev 1.0 64 QFN (GTK)	QR-1201 Rev 1.0 20L SOIC-WB (GTK)	QR-1141 Rev 1.0 20L TSSOP (GTK)	QR-1140 Rev 1.0 32L TQFP (GTK)
Precondition (PC)	MSL 3	11/0	11/0	11/0	11/0
PC + HAST	96 hrs	22/0	22/0	22/0	22/0
PC + PCT	168 hrs	22/0	22/0	22/0	22/0
PC + Temp Cycle	500 cycles	22/0	22/0	22/0	22/0
PC + HTS	1000 hrs	22/0	22/0	22/0	22/0

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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Revision History

The following table shows the revision history for this document.

Date	Version	Revision Description
12/01/11	1.0	Initial Release