

## Overview

The purpose of this notification is to announce the addition of NiPdAu Leadframe Finish from Greatek Electronics, Taiwan assembly facility for QFN packages for Holt's ARINC 429 & MIL-STD-1553 family of devices.

## Description

Holt Integrated Circuits is announcing the qualification of NiPdAu as an additional assembly leadframe finish option for select Holt devices listed in the "Products Affected" Section. Current assembly sites and material differences are as follows. The QFN (48 & 64) package assemblies are fully qualified at Greatek Electronics (See Qualification Data in Table 1).

Assembly Site	Assembly Code	Assembly Country Code	Assembly Site City
SPEL Semiconductor Ltd	SPEL	India	Chennai
Greatek Electronics Inc.	GTK	Taiwan	Zhunanzhen Township

### Material Differences

	SPEL	SPEL	GTK
Die Attach	Ablestik 8006	Ablestik 8006	CRM-1151
Mold Compound	G770HCD	G770HCD	G700H
Wire Type	Au	Au	Au
Lead Finish	Matte Sn	SnPb	NiPdAu

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

## Reason

Continuity of Supply and Lead-time improvement

## Products Affected

All parts listed in Table 2 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.

## Traceability

Country of Origin facilitate package traceability. Parts from Table 2 can be shipped from either assembly house beginning Sep 15, 2018 or earlier depending on inventory.

## Qualification Data

Table 1:

Reliability Test	Requirement	Results
		QR-1813 Rev 1.0 64 QFN (GTK)
Precondition (PC)	MSL 3	200/0
PC + HAST	96 hrs	45/0
PC + PCT	168 hrs	45/0
PC + Temp Cycle	500 cycles	45/0
PC + HTS	1000 hrs	45/0

## Response

**Note:** In accordance with JESD46-D, 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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**Table 2: Products Affected**

HI-1584PCx	HI-3223PCx	HI-3583APCx	HI-3584PCx	HI-6131PCx
HI-1585PCx	HI-3582APCx	HI-3583APCx-15	HI-3584PCx-10	HI-6135PCx
HI-1587PCx	HI-3582APCx-15	HI-3583PCx	HI-3598PCx	HI-6136PCx
HI-3210PCx	HI-3582PCx	HI-3584APCx	HI-6110PCx	HI-6137PCx
HI-3222PCx	HI-3582PCx-10	HI-3584APCx-15	HI-6121PCx	HI-6138PCx

## Revision History

The following table shows the revision history for this document.

Date	Version	Revision Description
06/15/18	1.0	Initial Release