

## Overview

The purpose of this notification is to announce that Holt Integrated Circuits has made a Die Revision Change to the HI-3585, HI-3586, and HI-3587 Family of Products.

## Description

Holt Integrated Circuits is implementing a minor design change to correct a potential problem with the HI-3585/6/7. The HI-3585/6/7 can transmit an unintended ARINC Label 0x00 message (with all zeros) under certain SPI timing conditions. Information on how this condition occurs and workarounds are provided in Holt's product advisory PA-102 revision New.

This improvement will result in a die revision change for the HI-3585 die from Revision K to Revision N.

There is no change to Fit, Form, Quality or Reliability of these devices. The products will be fully compliant to all published specifications of HI-3585, HI-3586 and HI-3587 datasheets. Quality and Reliability will remain at the highest standards already demonstrated with Holt Integrated Circuits' existing products.

## Reason

The purpose of this design change is to permanently eliminate in the design the potential transmit issue which can occur only under certain SPI timing conditions.

## Products Affected

HI-3585PQI	HI-3587PQI	HI-3585PCI	HI-3587PCI	HI-3586PCI	HI-3586PQI
HI-3585PQT	HI-3587PQT	HI-3585PCT	HI-3587PCT	HI-3586PCT	HI-3586PQT
HI-3585PQM	HI-3587PQM				HI-3586PQM
HI-3585PQIF	HI-3587PQIF	HI-3585PCIF	HI-3587PCIF	HI-3586PCIF	HI-3586PQIF
HI-3585PQTF	HI-3587PQTF	HI-3585PCTF	HI-3587PCTF	HI-3586PCTF	HI-3586PQTF
HI-3585PQMF	HI-3587PQMF				HI-3586PQMF

## Traceability

A date code of 1638 and after will facilitate part traceability for all parts and can be shipped starting October 1, 2016.

## Qualification Data

Reliability Test	Requirement	Comment
Device Characterization	Final Test yield analysis over -55°C and +125°C temperature extremes.	Passed 100%

## 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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## Revision History

The following table shows the revision history for this document.

Date	Version	Revision Description
05/20/16	1.0	Initial Release
10/10/16	2.0	Change Rev. L to Rev. N Change Date Code 1640 to 1638 Comment: Passed 100%