

## Overview

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

## Description

Holt Integrated Circuits is implementing a minor design change to improve the robustness of the HI-3585 and HI-3587 ARINC line driver outputs while dynamically transmitting and subjected to transient voltages.

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

There is no change to Fit, Form, Function, Quality or Reliability of these devices. The products will be fully compliant to all published specifications of HI-3585 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 was to improve the robustness of the HI-3585 and HI-3587 ARINC line driver outputs when dynamically transmitting and subjected to DO-160 Section 22 pin injection or cable bundle waveforms using lightning protection components recommended in AN-300 and AN-301.

## Products Affected

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

## Traceability

A date code of 1440 and after will facilitate part traceability for the HI-3585PQxx and HI-3587PQxx parts and a date code of 1449 will facilitate traceability for the HI-3585PCxx and HI-3587PCxx parts. All parts can be shipped starting February 1, 2015.

## Qualification Data

Reliability Test	Requirement	Comment
Device Characterization	Final Test yield analysis over -55°C and +125°C temperature extremes.	
+/-10V Stress Test	Final Test yield analysis at room	Zero fails to pass
Lightning Test	DO-160 Section 22 Level 3 & 4 WF3 & WF5B pin injection	20 out of 20 to pass

## 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:

Scott Paladichuk (spaladichuk@holtic.com)

Holt Integrated Circuits, 23351 Madero, Mission Viejo, CA 92691, Tel: (949) 859-8800, Fax: (949) 859-9643

## Revision History

The following table shows the revision history for this document.

Date	Version	Revision Description
12/01/14	1.0	Initial Release