



CUSTOMER ADVISORY

ADV1719

Stratix® 10 FPGA IHS Dimple Fiducial Addition

Change Description:

Intel® Programmable Solutions Group (“Intel PSG”, formerly Altera) is notifying customers that Stratix®10 products use either an integrated heat spreader (IHS) lid design with a small dimple fiducial or an IHS lid with no dimple. See Figure 1 and 2 below for side by side comparison.

The dimple fiducial is added as a continuous improvement action for detection by the vision system during the lid pick-up process.

There is no change to the package dimensions and no expected impact to the customer’s board assembly process.

After depletion of the IHS lid material with no dimple, the affected products will continue to use the IHS with the dimple fiducial.

Fig. 1

Zoomed-in image of IHS without the dimple fiducial



Fig. 2

Zoomed-in image of the dimple fiducial
This is a round impression on the lid



Fig. 3
IHS Lid with Dimple



Recommended Action

Customers are being notified to take note of this change to the integrated heat spreader lid appearance. Please note that once the change takes effect, customers may receive units with or without the fiducial dimple on the IHS.

Products Affected:

All Stratix 10 Products

- The scope of this customer advisory also covers all new or future Ordering Part Numbers (OPNs).
- Only for reference, a list of the current OPNs that have shipped to-date are also provided via the link below. It is important to note that the change is not only limited to this list of OPNs, but applies to all Stratix 10.

https://www.altera.com/content/dam/altera-www/global/en_US/pdfs/literature/pcn/adv1719-opn-list.xlsx

Reason for Change:

The dimple fiducial is added as a continuous improvement action for detection by the vision system during the lid pick-up process.

Change Implementation

Table 1

Milestone	Date
Date Change in Effect ¹	January 12, 2018

Note 1: Once the change takes effect, customers will receive units either with or without the fiducial dimple on the IHS

Contact

For more information, please contact Sales or Customer Quality Engineering (CQE) in your region, or submit a Service Request at Intel PSG's [mySupport](#) website.

Customer Notifications Subscription

Customers that have subscribed to Intel PSG's customer notification mailing list will receive the PCN document automatically via email.

If you would like to receive customer notifications by email, please subscribe to our customer notification mailing list at:

<https://www.altera.com/subscriptions/email/signup/eml-index.jsp>

Intel PSG references J-STD-046 guidelines for PCN.

In accordance with J-STD-046, this change is deemed acceptable to the customer if no acknowledgement is received within 30 days from date of notification.

Revision History

Date	Rev	Description
01/05/2018	1.0.0	Initial Release

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