

PRODUCT CHANGE NOTIFICATION (PCN)

(According to JEDEC standard J-STD-046)

PCN number: GC243391

Date: 14 August 2024

Title: EV12AQ600 migration to lead-free bumps

Product identification: all EV_12AQ600_ GH_ _ references

EV12AQ600AMGH	EV12AQ600AMGHEQM
EV12AQ600AMGH9NB1	EV12AQ600AMGHEQM-ADX4
EV12AQ600AMGH9NB1-ADX4	EV12AQ600AMGH-Y
EV12AQ600AMGH-ADX4	EV12AQ600AMGH-Y-ADX4
EV12AQ600AMGHD/T	EVX12AQ600AGH
EV12AQ600AMGHD/T-ADX4	

See also our dedicated web page with link to product datasheet

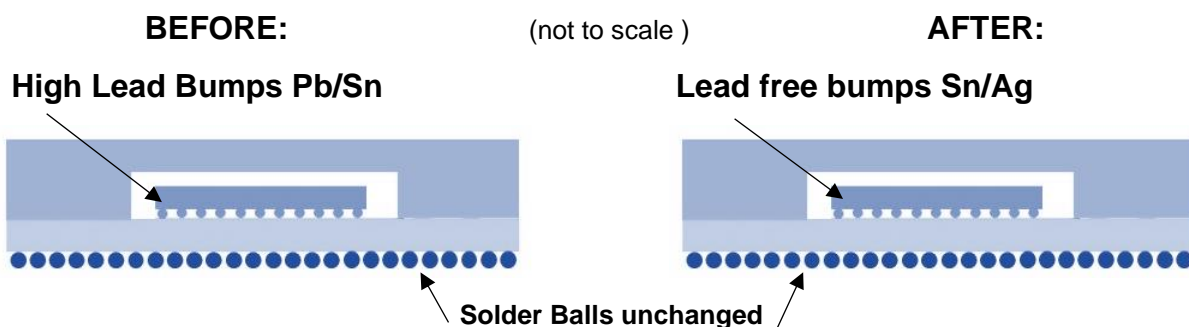
<https://semiconductors.teledyne-e2v.com/en/products/data-converters/ev12aq600/>

Reason for change: Manufacturing flow and materials evolutions

- | | | | |
|------------------------------------|---|--|---------------------------------|
| <input type="checkbox"/> Design | <input checked="" type="checkbox"/> Material | <input type="checkbox"/> Processing | <input type="checkbox"/> Other: |
| <input type="checkbox"/> Logistics | <input type="checkbox"/> Manufacturing Location | <input type="checkbox"/> Quality/Reliability | |

Change description:

Teledyne e2v announces the replacement of the leaded bumps by lead free bumps on EV12AQ600 ‘GH’ product family. Only bumps (die-to-package) change, solder balls (package-to-board) remain unchanged.



Identification method to distinguish change: The product change will be identified by a specific package code to distinguish the die bump metallurgy options. “GH” string will be replaced by “JH”. For example, EV12AQ600AMGH-Y becomes EV12AQ600AMJH-Y.



Qualification data: Already available Will be available in September 2025 Not applicable

Qualification samples: Already available Not applicable

Quantifiable impact & reliability: This change does not affect the fit, form, functions of the part and the electrical characteristics remain unchanged. The bumps composition is the only material affected by this change. The composition of all other materials used in this product remains unchanged. The die revision remains unchanged. No impact on reliability is expected.

Implementation date: Estimated September 2025.

The Estimated Implementation Date is the forecasted date that a customer may expect to receive changed product. This is determined by the estimated date of inventory depletion on the PCN issue date. This may be affected by fluctuations in supply and demand. Consequently, although customers should be prepared to receive changed product on this date, Teledyne will continue to ship pre-changed product until a time in which inventory has been depleted. This may result in pre-changed product being shipped to customers after this forecasted date.

**Approved Quality
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Teledyne will deem this change accepted unless specific conditions of acceptance are provided in writing within 30 days from the date of this notice. All correspondence must be sent to the contact e-mail addresses indicated above. Teledyne assumes no responsibility for any errors that may appear in this document. The supply of products will be subject to Teledyne general terms and conditions of sale or any specific contractual terms agreed between the parties.