Product Change Request

Product: Dragster CMOS Line Scanner
Change Number: 02
Title: LCC Serial number Laser printing
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1 Information

Product ID: *Chicago Cameras modules*

Date of request: *21 of August 2017*

Category: Cat 1 (Major) ☐ Cat 2 (Minor) ☑

2 Description of change:

2.1 LCC Serial number Laser printing

*The previous location and method used for the label of the DR LCC package are updated in order to help identifying the sensors once they are assembled in the client’s final product. The former backside labelling tape made it impossible to read the sensor SN (Serial Number) after it is assembled in the final package.*

*The method implemented uses a front side laser printing / engraving technic. Being this product a LCC package, this new labelling technic and location will allow the reading of the sensor SN from the front side as well as preventing the label to be accidently removed during its handling.*

Type of change:

☐ Material change

☐ Process change

☐ Method change

☑ Other: Serial number location and method update

3 Motivation for change

☐ Yield enhancement

☑ Continuous improvement

☐ Quality / reliability

☐ Process stability

☐ Cost reduction

☐ Customer request

☐ other:

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4 Risk assessment / Evaluation of Impact

4.1 Cost of change
There will be no impact.

4.2 Impact on product pricing
There will be no impact.

4.3 Impact on schedule
There will be no impact.

4.4 Impact on design
The design and location of the Serial Number will change.

4.5 Impact on product performance
There will be no impact.

4.6 Impact on yield or process stability
There will be no impact.

4.7 Impact on supply chain
There will be no impact.

4.8 Impact on inventory
There will be no impact.

4.9 Impact on tooling and equipment
There will be no impact.

4.10 Impact on reliability/qualification status
There will be no impact.

4.11 Impact on packing & shipment
There will be no impact.

4.12 Impact on other customers/existing applications
There will be no impact.
5 Implementation of Change

5.1 Implementation date and schedule
The new labelling process will be introduced in the assembly process flow in the CW43/2017.

5.2 Verification strategy
Not applicable.

5.3 Traceability
Not applicable.

5.4 Marking
The serial number will now be laser printed on the front side of the package.

5.5 Documents to be updated
A new Work Instruction at assembly subcontractor is to be released before implementation.

The product configuration drawings (drawings for the assembly subcontractor) are to be updated.

6 Verification of implementation
Not applicable.

7 Comments
Not applicable.
8 Attachments

8.1 Final image of the laser marked SN in a Dragster LCC package

Fig.1 – Laser making example and serial number description
9 Approvals

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