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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.

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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.


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8 Attachments

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


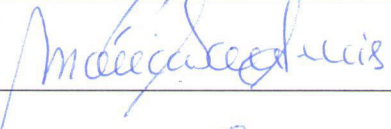
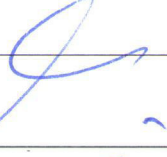
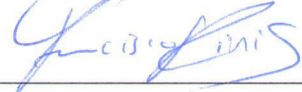


Fig.1 – Laser making example and serial number description

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9 Approvals

CMOSIS:

Dept	Name	Date	Signature
Product Engineering			
Sales/Marketing/Product Management	Felipe Gomes	12.10.17	
Operations/Planning	Honice Dinis	12.10.17	
Project Management			
Quality	Helrich Freytag	12.10.17	
Assembly Engineering	Francisco Dinis	12.10.2017	

Customer:

Dept	Name	Date	Signature