DOCUMENT CHANGE REQUEST

DCR number 1478	Changes required for: General	Originator: Steve Thacker
Date: 2022/03/18	Date sent: 2021/12/10	Organisation: ESCC Executive Secretariat
Status: IMPLEMENTED		

Title:	Generic Specification for CRYSTAL CONTROLLED OSCILLATORS		
Number:	3503	Issue:	5

Other documents affected:

3503/001-5

Page:

See below

Paragraph:

See below

Original wording:

As per currently published spec

Proposed wording:

The following changes are proposed to be implemented in both the Generic spec No. 3503 and the one published Detail spec 3503/001 supported by Manufacturer Rakon.

See attached mark-up of the Generic spec 3503 Daraft 5A, for information purposes.

Note: these changes relate to currently open DCR1464 on 3503/001 and effectively replace the contents of DCR1464.

a) 3503
Remove the Solderability test from Screening chart F3 (Page 36) as well as applicable Note 7.
This is justified by the same Solderability test already being performed as part of qualification and Periodic Testing per Chart F4.

In addition:
Para 6.2.1: Refernce to Solderability is also removed.
Para 8.16 is also amended to removed requirements relevant to the Screening solderability test. i.e., remove subparagraphs 1,3, 5.

b) 3503/001
Amend the appendix A for Rakon (already amended by DCR1464) to still allow the alternate test method: IEC 60068-2-20 Test Ta (without steam ageing) but remove all references to Solderability during Screening.

Justification:

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As above; plus ref to DCR1464 from Rakon. i.e.,

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- Packages terminals are gold plated and no problem about solderability has been raised on sold RK115 parts since 2015

- Other generic ESCC only asked for this test during LVT/maintenance of certification (i.e ESCC3501)

- RK135 nominal batches are from a few parts to some tens parts due to different frequencies to be built. So with current requirement, quantity of parts to be destroyed for solderability will represent from 75% to 10% of FM to be delivered.

- Products are delivered under vacuum sealed bag and are stored and used in controlled area by customer so additional steamage is unnecessary

Attachments:

escc3503iss_draft_5a_in_review.docx

Modifications:

N/A

Approval signature:

Date signed:

2022-03-18