DOCUMENT CHANGE REQUEST

DCR number 1334	Changes required for: General	Originator: Leny Baczkowski
Date: 2020/06/18	Date sent: 2020/04/01	Organisation: CNES
Status: IMPLEMENTED		

Title:	Requirements for Lead Materials and Finishes for Components for Space Application		
Number:	23500	Issue:	6

Other documents affected:

Page:

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Paragraph:

3.3 ; Description of Type 3 in the table

Original wording:

The tin-lead plating shall be in accordance with the best commercial practice and have a composition of 30 to 70% tin (remainder lead).

Proposed wording:

The tin-lead plating shall be in accordance with the best commercial practice and have a composition of 30 to 95% tin (remainder lead).

Justification:

Proposal to extend tin content in allow since the two qualified relays manufacters use tin-lead plating with 95% tin content.

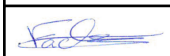
Attachments:

N/A

Modifications:

The description of Type 3 shall not be increased to 95% tin. Concern is that some manufacturers will change their tin-lead composite to a higher tin percentage. ESCC requires special precautions for 85% to 95% tin. Therefore, DLR proposal is to add a new type 19 for the relay manufacturers' SnPb with a tin percentage between 85% and 95%. Furthermore, solder behavior of 95% Sn is slightly different to eutectic composition.
DCR accepted

Approval signature:



Date signed:

2020-06-18