



DOCUMENT CHANGE REQUEST

DCR number 1390 Changes required for: General

Date: 2020/12/03

Date sent: 2020/10/27

Status: IMPLEMENTED

Originator: Steve Jeffery

Organisation: ESCC Executive

Title: Connectors Electrical for Printed Circuit Boards Non-Removable Solder and Wire-Wrap Contacts

Number: 3401/039

Issue: 5

Other documents affected:

Page:

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Paragraph:

4.3.5, Mating and Unmating Forces

Original wording:

"The forces applied for mating and unmating of the connectors shall not be more than 0.7N per contact."

Proposed wording:

"For cases where contacts are soldered on PCB, the forces applied for mating and unmating of the connectors shall not be more than 1N per contact.

For cases where contacts are not soldered on PCB, the forces applied for mating and unmating of the connectors shall not be more than 0.7N per contact."


Justification:

This DCR is raised by the ESCC T.W. on behalf of the mfr Smiths Hypertac. The following justification was provided by Smiths Hypertac (see also the Implemented DCR 1368 which concerns ESCC 3401/016):

This test is call during Endurance tests and we realize the test before and after cycles, parts fixed on PCB (ESCC3401 for qualification or for LAT).

In production we have no possibility to reduce our criteria (0.7 N per contact) and its not possible to solder the contact in production.

Solder reduces gaps inside insulation and increases effort.

Attachments:
N/A
Modifications:
N/A
Approval signature:

Date signed:
2020-12-03