DOCUMENT CHANGE REQUEST

DCR number 1698	Changes required for: General	Originator: Steve Thacker
Date: 2025/01/30	Date sent: 2024/10/23	Organisation: ESCC Executive Secretariat
Status: IMPLEMENTED		

Title:	Connectors Electrical Rectangular Non-Removable Solder Bucket PCB and Wire-Wrap Contacts		
Number:	3401/001	Issue:	13

Other documents affected:

3401/002-13, 3401/098-3

Page:

various; see attached spec mark-ups for details

Paragraph:

various; see below & attached spec mark-ups for details

Original wording:

As per currently published specs; see above

Proposed wording:

ESCC 3401/001, 3401/002 & 3401/098 are modified to add an option for dimpled shells as well as other specific technical modifications / corrections.
See attached spec mark-ups for each with the changes highlighted yellow.

Note: additional editorial changes are also included in this DCR; see spec mark-ups with blue highlights for details & below.

Change details:

3401/001, 3401/002 & 3401/098:
Add option for Dimpled shells:
Table 1(a): add new note to detail additional mating & unmating force applicable to the use of dimpled shells

Add new Figure 2(d) for plug connectors with dimpled shell.

Para. 4.5.x.x Marking: add new sub-para to add the option for a dimpled shell (with new modification code D)
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Additional technical changes:

3401/098:
Table 1(a) & Figure 2(c): correct Contact termination codes.

Figure 2(a) for all shell sizes: amend dimension Diameter Z: Variant 02 for receptacles

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Figure 2(c) all types:
Add new dimensions for shell front end with ref to ESCC 3401/022 Fig 2(a) dimensions K & G.
Correct applicable shell sizes in each figure (as applicable)

Para 4.2.4 (c) & (d): Amend test conditions for Sinusoidal & Random Vibration tests.

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Additional Editorial changes:

3401/001:
Table 1(a): clarify contact termination codes (i.e. add N/A where applicable; replacing -).

Para 4.5.x.x. Rewrite para to make it consistent with latest ESCC format/contents. Option to add dashes/spaces is included to allow flexibility for Manufacturers.
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3401/002:
Figure 1(a): add new note 1 (replacing incorrect ref to note (2) in the shell size column).

Figure 2(b): amend Note 3.

Para 4.4.1. Para rewritten (to be consistent with 3401/001).

Para 4.5.x.x. Rewrite para to make it consistent with latest ESCC format/contents. Option to add dashes/spaces is included to allow flexibility for Manufacturers.
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3401/098:
Figure 2(b) Note 3: modified to be consistent with 3401/001

Figure 2(c) all types: Add various editorial changes to each figure for clarification & consistency.

Para. 4.4.1. Amend para to be consistent with Para 4.5.2.1(h)

Para 4.5.x.x. Rewrite para to make it consistent with latest ESCC format/contents. Option to add dashes/spaces is included to allow flexibility for Manufacturers.

Justification:

Note: This DCR is raised on behalf of Manufacturer Positronic

See above

Attachments:
escc3401098iss3_draft_b_in_review.docx
Modifications:
New Appendix A: • Deviations to ESCC 3401 Chart IV, Additional tests per Positronic procedure 170035 • Deviations to ESCC 3401 Chart II(b), on Contact Capability & Electrical Measurements at Room Temperature
Approval signature:

Date signed:
2025-01-30