



DOCUMENT CHANGE REQUEST

DCR number 1132 Changes required for: General

Date: 2018/03/23

Date sent: 2018/01/10

Originator: P. Landeau

Organisation: TE Connectivity
Deutsch

Status: IMPLEMENTED

Title: Connectors Miniature Electrical Circular Push-Pull Coupling Removable Crimp Contacts, based on

Number: 3401/008

Issue: 5

Other documents affected:

Page:

Subject 1 « Missing modification codes » : 11, 17, 21

Subject 2 « Missing Keys Orientations » : page to add after page 14, 18, 20

Paragraph:

Subject 1 "Missing modification codes" : figure 2 shell type 78, 4.4.1, 4.5.4.8 to rename 4.5.4.9

Subject 2 "Missing Keys Orientations" : figure 2(d) to add, 4.5.4, 4.5.4.8 to change

Original wording:

For both subjects, see attached document named "Proposal_DCR_MOD_lanyard_and_key_orientations.pdf"

Proposed wording:

For both subjects, see attached document named "Proposal_DCR_MOD_lanyard_and_key_orientations.pdf", manually annotated

Justification:

Subject 1 « Missing modification codes » :

The missing standard lanyard length 119.70 +/- 2.10 (added in figure 2 shell type 78, page 11) can be introduced in the detail specification "as qualified" configurations because : variants with standard lanyard length exist since the origin are periodically tested during VOQ (last one was during VOQ 2015, for sizes 12 and 27).

The modifications D614, F to K614 and M to Y614 (17 added length) can be introduced in the detail specification "as qualified" configurations because are manufactured with the same process as the already specified length.

Mistake corrected about tolerance for modification code B864 : corrected from +/- 2.5 to 2.1.

The modifications 1A, E5624 and L5624 (added in § 4.5.4.9 page 21) can be introduced in the detail specification "as qualified" configurations because :

- 1A is an "administrative" modification (connector delivered without nut) and is not concerned by qualification.

- E5624 = technical modification E614 already offered by ESCC 3401/008 (so covered by ESA qualification) + administrative modification 1A (not concerned by qualification).

- L5624 = technical modification L614 already offered by ESCC 3401/008 (so covered by ESA qualification) + administrative modification 1A (not concerned by qualification).

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Subject 2 « Missing Keys Orientations » :

These variants can be introduced in the detail specification "as qualified" configuration because :

- the shell (of the plug and of the receptacle) with oriented keys is the only component that is specific to these variants.



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- this specific shell is manufactured and inspected according to the same requirements as the qualified shell without keys orientations.
- the technological difference between the shell without keys orientations and the specific shell with oriented keys is the angular positions of the plug keys and of the receptacle keyways. This difference is therefore minor and does not present any risk of failing to pass the qualification renewal tests.

Attachments:

proposal_dcr_mod_lanyard_and_key_orientations.pdf

Modifications:

As an addition to this DCR, for consistency & clarification purposes, the following changes shall be made:

Delete all references to coaxial contacts (as coaxial contacts for this specification are not actually specified within the referenced ESCC Detail specs for associated contacts (3401/009 & 3401/012)).

i.e. additional proposed changes are:

- Page 13, Figure 2(b): delete "or coax" where stated from all relevant images; e.g. 3-01, 61-949, etc.

- Page 18 Para 4.5.4:

Remove characteristic "(h) Contact dash number" and "Contact dash number: 1" from the lists (plus Modification bullet to be relabeled as "(h)").

- Page 20, Para 4.5.4.7: Contact Dash Numbers paragraph to be deleted in full (other paragraphs to be renamed accordingly).

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Page 18 Para 4.5.4:

Add the standard ordering modification code "090" to the given example and bullet and add a note to bullet (i).

Change the "xxx" example given to an actual modification code "031".

i.e.:

Example: DBAS76G19-2PNDA090-031

(i) Modification (see Para. 4.5.4.8(a))

- Modification: 090-031

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New Para. 4.5.4.8 Key Orientation: Add clarification for the definition of the component number and the marking when the standard key orientation is required.

i.e. Add the following:

"For the specified standard key orientation, no code applies; no code shall appear."

.....

Page 21, Amended Para. 4.5.4.9 Modification Codes:

Split the paragraph into bullets, a, b, c, d, for each of the different items.

i.e.

Amend as follows:

4.5.4.8 Modification Codes

Modification codes shall be expressed in letters, numbers, or both. When there is no modification of the standard product, no code shall appear.

The following modification codes are applicable in the following order of precedence:

(a) Delivered Without Contacts - Code 090

These high reliability connectors are always ordered and delivered separately from the contacts. This code shall never appear on the connector itself, but shall be used for ordering purposes and in documentation.

(b) Black Anodise Treatment - Code 031

(c) Delivered Without Nut - Code 1A

Note: see also codes E5624 and L5624 in (d) below.

(d) Cable Length for Plug with Lanyard - Code as below

The cable lengths for shell type 78 are designated by the following modification codes:

Modification Code // Cable Length (mm) // Remark

(put amended table here including codes E5624 and L5624 with remarks:

E5624 = Same as code E614; delivered without nut

L5624 = Same as code L614; delivered without nut)

Approval signature:



Date signed:

2018-03-23