# DOCUMENT CHANGE REQUEST

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|---|---|---|---|
| DCR number 1284 | Changes required for: General | Originator: Steve Thacker | |
| Date: 2019/12/13 | Date sent: 2019/07/03 | Organisation: ESCC Executive Secretariat | |
| Status: IMPLEMENTED | | | |

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|---|---|---|---|
| Title: | Connectors Electrical Rectangular Microminiature, based on type MDM | | |
| Number: | 3401/029 | Issue: | 16 |

Other documents affected:

Page:

-

Paragraph:

-

Original wording:

-

Proposed wording:

-

Justification:

Additional changes to this DCR as requested by Manufacturer Glenair related to specific components and options supported by Glenair. All changes as shown in the new DCR attachment "ESCC3401029Iss17E in review per DCR" were reviewed and agreed with C&K Axon..

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Page:

Various, see below

Paragraph:

Various, see below

Original wording:

As per 3401/029 issue 16

Proposed wording:

The following changes and additions are proposed by Manufacturer Glenair (see attachment 3401/029 Draft 17 Draft A for full details):

Page 7, Table 1(a), Note 2: add weights for shells 69 & 100 for terminations types FR112 etc & FR164

Page 11, 12, Figs 2.1A & 2.1B: add dimensions for new shell sizes 69 & 100

Page 29, 30, Figs 2.2K & 2.2L: add dimensions for new shell sizes 69 & 100. Also amend/add the drawings & Note 2 to detail the solder bucket types for sizes 51, 69, 100.

Page 31 to 46, Figs 2.2M to 2.2X: replace each drawing with a corrected version and correct various dimensions in each table (see attached for details).

Page 47 to 62, Figs 22Y to 2.2AJ: Amend dimensions K & K1 to be 1.905mm typ. (was 1.91mm typ. in error).

Page 69, Fig 2.6: add alternative solder bucket and merge the dimension limits for both alternative solder bucket types (see attached for details). note 3 is added.

Page 77, Para. 4.5.3.3: For specific codes GMR7590 to 75RBT, amend PCB termination pitch to be 1.905mm ( was 1.91mm in error) (see attached for details).

Justification:

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This DCR is raised on behalf of Glenair.
Changes are required to correct dimension details for many types plus add shell sizes 69 & 100 for some types.

Attachments:

escc3401029iss17_in_review_per_dcr(2).docx

Modifications:

Additional changes as follows shall apply as requested by Manufacturer Glenair and as discussed and agreed with other supporting Manufacturers, C&K, Axon, in order to be consistent across all 3 Manufacturers:

see attached "ESCC3401029Iss17E in review per DCR" for full change details (changes highlighted by text colour).

Table 1(a) Note 2: add a 'Remarks' column & (a) (b) (c) to clarify the weight details related to various configuration options (i.e. including weight details for the floating mounts & captive nuts options for the new shell size 100 for terminations types FR112 etc & FR164)

Note: the new maximum weights for shells 69 & 100 are amended to apply a similar average margin on typical weight as applied by C&K & Axon for the other shell sizes (i.e. x1.3 & x1.2)

Figures 2.1A 2.1B 2.2K 2.2L:

Amend Dimensions G, J, M, N, S for various shell sizes (see attached for full details)

Add new note "3. For floating mount and captive nut mounting options, see Figures 2.7 and 2.8 respectively."

Figures 2.2M to 2.2P and 2.2S to 2.2V: add new note 2 for torque:

- For 2-56 UNC-2B mating holes: 0.44Nm min / 0.48Nm max.
- For M2 x0.4-5H mounting holes: 0.15Nm min. / 0.2Nm max.

Figures 2.2Q, 2.2R, 2.2W, 2.2X: add new note 2 for torque:

- For 4-40 UNC-2B mating holes: 0.4Nm min / 0.45Nm max.
- For M3 x0.5-6H mounting holes: 0.25Nm min. / 0.3Nm max.

Figure 2.7 Floating Mount:

Add dimensions & other details for shell size 100. Clarify that this option applies to termination types: FR11x, FR12x and

FR164.

Amend dimensions d1, N for shell sizes 9 to 69

Figure 2.8 Captive Nut: Add dimensions & other details for shell size 100. Clarify that this option applies to termination types: FR11x, FR12x and FR164.

Approval signature:



Date signed:

2019-12-13