

DOCUMENT CHANGE REQUEST

179 DCR number Changes required for: Qualification Originator: Olivier PERAT Date: 2005/05/24 Date sent: 2005/05/24 Organisation: CNES Status: IMPLEMENTED Title: Accessories for Connectors Microminiature 3401/029, 3401/077 and Connector Savers 3401/041 Number: 3401/032 Issue: 1 Other documents affected: Page: 1) table 1 (page 5): remove and replace line No 3 by the table 6 of the cannon news (see attached file) page 14/14. 2) figure 2 (page 6, 7, 9, 9a): add "inactive for new design" under "Variant ... (see attached file) 3) figure 2: modify page 8 (varian Paragraph: 1) table 1 (page 5): remove and replace line No 3 by the table 6 of the cannon news (see attached file) page 14/14. 2) figure 2 (page 6, 7, 9, 9a): add "inactive for new design" under "Variant ... (see attached file) 3) figure 2: modify page 8 (varian Original wording: Proposed wording: see 7 Justification: Suppression of the screwlock hardwares with full hexagonal profile, having a too limited robustness: - Hexagonal interface with the connector, limiting the pressure surface to small points. - Deep threaded hole, limiting the torque value security.

Introduction of new robust screwlock hardwares with hexagonal profile and cylindrical base concept:

- Cylindrical interface with the connector, distributing the pressure surface all around the hole.
- Optimization of the threaded hole depth, increasing the torque value security and allowing the introduction of :
 - a minimum torque value to guarantee the correct fixing of the connector.
 - a maximum torque value to prevent the screwlock hardwares from damage during fixing.

Homogeneous range of screwlock hardwares, based on a global design.

Increase of flexibility for the user: Due to the standardization of the components, the harness and panel sub-assemblies can be supplied separately.

Moreover, this DCR covers DCR 173, by implementing modification asked by P. Schumacher (TESAT).

Attachments:
DCR_MDM_Screwlock.doc, null
Modifications:
Amend item 1, 2, 3 as follows: 1) table 1 (page 5): Amend Torque Value to refer to "See FIGURE 2" (instead of actual values for Female Screw & Male Screw). Torque values are amended per original DCR attachment (including both min and max limits). 2) figure 2 (page 6, 7, 9, 9A): delete obsolete variants 01, 02, 05, 06 3) figure 2 (page 8): amend weight for Variant 03 & 04 to be 0.42g for Var 03 & 0.45g for Var 04 (was 0.4g for both)
Item 4) is accepted but summarised as follows: 4) figure 2: Add new Variants 07, 08, 09, 10, 11 including weight and Torque values per original DCR attachment Note: Variant 07 plus 08 is equivalent to & together in effect replace Variant 01

Approval signature:

Variant 07 plus 09 is equivalent to & together in effect replace Variant 02

Variant 10 is equivalent to & in effect replaces Variant 05 Variant 11 is equivalent to & in effect replaces Variant 06

Date signed:

Il Kace

2005-05-24