DOCUMENT CHANGE REQUEST

DCR number 179	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:

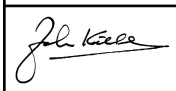
DCR_MDM_Screwlock.doc, null

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
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

Approval signature:



Date signed:

2005-05-24