DOCUMENT CHANGE REQUEST

DCR number 690	Changes required for: General	Originator: Steve Thacker
Date: 2012/02/08	Date sent: 2011/11/15	Organisation: ESCC Executive Secretariat
Status: IMPLEMENTED		

Title:	Connector Electrical Triaxial Bayonet coupling, MIL-STD-1553B Databus with Non-Removable		
Number:	3401/079	Issue:	1

Other documents affected:

Page:

Various (See attached Mark-up for details)

Paragraph:

Table 1(a), Figure 2, Paras 2, 4.2.1, 4.2.4, 4.3.14, 4.4.5, Table 2, Table 6

Original wording:

See attached mark-up for details

Proposed wording:

Amend the detail specification as per the following items:

1) Table 1(a) Note 2 & Para. 4.4.5: amend referenced ESCC cable specification to be:
“ESCC 3901/013 Variant 08 or equivalent”

2) Figure 2: Amend the drawings as per attached Mark-up in:
Figure 2(b) Figure 2(c) Figure 2(d) Figure 2(e) Figure 2(f)

Amend various dimension limits as per attached Mark-up in:
Figure 2(a) Figure 2(b) Figure 2(c) Figure 2(d) Figure 2(e) Figure 2(f)

Amend note 4 to read:
“4. Range of acceptable panel thickness.” (was “Maximum panel thickness”)

3) Para 2(e), Applicable Documents: correct document number to be “ECSS-Q-ST-70-26” (was “ECSS-Q-70-26”)

4) Para 4.2.1, Deviations from Special In-Process Controls: Add a new deviation as follows:
“a) Para 5.2.4, Crimping Capability: shall be performed on a sample of 5% of the production lot or a minimum of 3 samples, limited to 10 contacts. The requirements of ECSS-Q-ST-70-26 shall be applied. Voltage Drop shall be tested as specified in Table 2 herein.”

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5) Para 4.2.4(b), Deviations from Qualification Tests: Amend sentence to read as follows:
"(b) Para. 9.10, Wiring: Voltage Drop shall be tested as specified in Table 2, and Rated Current Contact Resistance shall also be performed."

6) Para 4.3.14, Joint Strength: Delete the wire type "AWG 24, strand copper" & the corresponding tensile strength minimum value ("40N") from the table for all Variants.

7) Table 2 No. 3, 4, 5:
Delete Note 2 (from Rcl , Rcr & Vd)

8) Table 2 No. 5:
Correct reference for Voltage Drop test conditions to be "ECSS-Q-ST-70-26 Para 5.4.2" (was "ESA/ESCC-Q-70-26A Para 6.2")

9) Table 6
Correct symbol for insulation resistance (Ri) in item No. 13.

Justification:

All technical items have been agreed with the one supporting Manufacturer (Axon).

Item 1: Correction and clarification of error (ESCC 3901/019 is no longer valid for this specification due to a process clarification at the Manufacturer (Axon)).

Item 2: Dimensions have been amended to reflect the actual production drawings of Manufacturer (Axon), as well as clarify the requirements.

Item 3, 4, 8: Amendment to reflect the latest ECSS specification.

Item 4: Sample is made consistent with the sample specified for electrical measurements during Final Production Testing.

Item 5: editorial correction (to be consistent with Voltage Drop in Table 2).

Item 6: Manufacturer (Axon) advises that high strength copper is now mandatory for AWG24 wires.

Item 7: Delete note 2 as it is redundant. The generic spec (Para 9.1.1.3) & the ECSS-Q-ST-70-26 spec already specify how the test may be performed.

Item 9: Editorial correction.

Attachments:
dcr_attachment_for_3401079.pdf, null
Modifications:
N/A
Approval signature:

Date signed:
2012-02-08