DOCUMENT CHANGE REQUEST

DCR number 474	Changes required for: N/A	Originator: Steve Thacker - ESCC
Date: 2009/02/06	Date sent: 2009/02/06	Organisation: ESA/ESTEC
Status: IMPLEMENTED		

Title:	Connectors Electrical Rectangular Non-Removable Solder Bucket PCB and Wire-Wrap Contacts		
Number:	3401/001	Issue:	3

Other documents affected:

Page:

Page 35, 36, 37;
Para 4.5.4, 4.5.4.4

Paragraph:

Page 35, 36, 37;
Para 4.5.4, 4.5.4.4

Original wording:

Proposed wording:

Clarify that removable coaxial and power contacts are ordered separately from the connector as follows:
(see attached hand mark-up)

Page 35 Para 4.5.4,
Amend (g) (Modification code) to be (i)
Add characteristic: (j) Contact information
Add to marking example: FO => Contact information (savers ordered without coaxial or power contacts)

Page 36 Para 4.5.4.5, amend table header in 5th column to be: NUMBER OF COAXIAL OR POWER CONTACTS

Page 37 Add new Para 4.5.4.10:
.....
4.5.4.10 Contact Information
For connectors with contact arrangements that include coaxial or power contacts, the coaxial or power contacts shall be ordered separately in accordance with ESCC Detail Specification Nos. 3401/004 and 3401/040 respectively.

FO = Connector ordered without coaxial or power contacts. This information shall only be marked on the packaging and not marked on the connector.

Coaxial and power contacts must be from the same Manufacturer as the connector in which they are mounted and this shall be verified prior to assembly.
.....

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Justification:

Clarify that for contact arrangements that include removable coaxial or power contacts such contacts are ordered separately from the connector (similar to 3401/002 for crimp contacts).
Currently the specification implies that coaxial and power contacts are ordered as part of the connector (as is the case with any non-removable signal contacts); yet the specification does not explain how to differentiate between coaxial and power contacts during ordering.

Attachments:

DCR474_Att_-_19_Feb_2009.pdf, null

Modifications:

Based on discussions with Manufacturer C&K, the contents of this DCR should be amended to be as follows:

Proposed Wording Of Change:

Page 36 Para 4.5.4.5
Amend table header for last column to be:
Number of Coaxial or Power Contact Cavities (Note 1)

Add new note 1 to be as follows(& renumber other notes accordingly):
.....
1. For connectors with contact arrangements that include coaxial or power contact cavities, the coaxial or power contacts shall be ordered separately in accordance with ESCC Detail Specification Nos. 3401/004 and 3401/040 respectively.

Coaxial and power contacts must be from the same Manufacturer as the connector in which they are mounted and this shall be verified prior to assembly.
.....

Justification:
To be consistent with the current process applied in practise by the Manufacturers.

Approval signature:



Date signed:
2009-02-06

DCR 4774 Attachment
S. Thacker 19/02/2009

4.5.4.5 Contact Arrangement

The number of contacts shall be as shown in Figure 2(b) and contact arrangements shall be indicated by the codes specified hereafter.

CODE	SHELL SIZE	NUMBER OF CONTACTS GAUGE 20	NUMBER OF CONTACTS GAUGE 22	NUMBER OF COAXIAL ~~AND/OR~~ OR POWER CONTACTS CAVITIES (NOTE 1)
9	E	9	0	0
5W1	E	4	0	1
15	A	15	0	0
15	E	0	15	0
3W3	A	0	0	3 (2)
3WK3	A	0	0	3 (~~1~~)
7W2	A	5	0	2
11W1	A	10	0	1
25	B	25	0	0
26	A	0	26	0
5W5	B	0	0	5
9W4	B	5	0	4
13W3	B	10	0	3
17W2	B	15	0	2
21W1	B	20	0	1
37	C	37	0	0
8W8	C	0	0	8
13W6	C	7	0	6
17W5	C	12	0	5
21WA4	C	17	0	4 (~~2~~) (3)
21W4	C	17	0	4 (~~2~~) (3)
25W3	C	22	0	3
27W2	C	25	0	2
44	B	0	44	0
50	D	50	0	0
24W7	D	17	0	7
36W4	D	32	0	4
43W2	D	41	0	2
47W1	D	46	0	1
62	C	0	62	0
78	D	0	78	0
104	F	0	104	0

NOTES

2. ~~1.~~ 2 male plus 1 female or 2 female plus 1 male (see Para. 4.5.4.6).
3. ~~2.~~ See Figure 2 for physical differences.

1. (see attached)

Para 4.5.4.5
Note 1

Cavities,

~~4.5.4.10 Contact Information~~
For connectors with contact arrangements that include coaxial or power contacts the coaxial or power contacts shall be ordered separately in accordance with ESCC Detail Specification Nos. 3401/004 and 3401/040 respectively.

~~F0 = Connector ordered without coaxial or power contacts. This information shall only be marked on the packaging and not marked on the connector.~~

Coaxial and power contacts must be from the same Manufacturer as the connector in which they are mounted and this shall be verified prior to assembly.