DOCUMENT CHANGE REQUEST

DCR number 563	Changes required for: N/A	Originator: Olivier Masson
Date: 2009/12/10	Date sent: 2009/12/10	Organisation: CNES
Status: IMPLEMENTED		

Title:	Accessories for Rectangular Connectors 3401/001 and 3401/002 and Connector Savers 3401/020		
Number:	3401/022	Issue:	4

Other documents affected:

Page:

see attached word document

Paragraph:

see attached word document

Original wording:

Proposed wording:

see attached word document

Justification:

Weight : weights of the re-designed backshells in issue 4 were estimated. Some of them need to be corrected.

Pictures : representation of the backshells in issue 4 are confusing customers. We have received several comments from customers saying that the re-designed backshells delivered are not in accordance with ESCC 3401/022 Issue 4.
That's the reason why we want to have the new pictures introduced in the specification.

Attachments:

DCR563att.pdf, null

Modifications:

The contents of DCR 563 are amended to include the following amendments and additions:

1. Replace the existing Change Description on the DCN page of ESCC 3401/022 with the following:
.....
Specification updated to incorporate editorial and technical changes per DCR.
Note – Changes include modifications to Variants 17 to 43, 81, 82 and 83 with respect to their specified mechanical configuration, dimension limits and/or maximum weight. However these Variants remain form, fit and function interchangeable with the obsolete versions they replace.
.....

2. Para. 2 -
Amend the titles of the specs in (a),(b),(c) and (e) to reflect the actual spec titles.
Delete reference to QQ & MIL specs (see comment 3 on Para. 4.4.1 below).

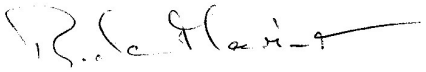
3. Para. 4.4.1 -
Title and content to be deleted and replaced with:
.....
4.4.1 Screw Lock Assemblies, Potting Shells, Back Shells, Clamps
Screw lock assemblies (brass), potting shells, back shells and clamps shall be made of brass with gold (0.7µm minimum) over copper (1µm minimum) plating.
Screw lock assemblies (stainless steel) shall be made of passivated stainless steel.
.....

Justification for the above amendments:

1 - Clarification for users.

2, 3 - Definition of the base material and plating is considered sufficient without reference to specific non-ESCC material specifications; It is considered unnecessary to prescribe the actual material specifications to be applied by the Manufacturer (which will be controlled by their PID).

Approval signature:



Date signed:

2009-12-10

TABLE 1(a) - TYPE VARIANTS

VARIANT	DESCRIPTION		WEIGHT (g)
01	Screw Lock Assembly Brass (Female)		1.9
02	Screw Lock Assembly Brass (Male/slotted head screw)	Without Back Shell	0.85
03	Screw Lock Assembly Brass (Male/slotted head screw)	Without Back Shell	0.85
04	Screw Lock Assembly Brass (Male/slotted head screw)	Without Back Shell	1
05	Screw Lock Assembly Brass (Male/slotted head screw)	Without Back Shell	1
06	Screw Lock Assembly Brass (Female) for Savers		2
07	Dust Cap (Female)	Size E	N/A
08	Dust Cap (Male)	Size E	N/A
09	Dust Cap (Female)	Size A	N/A
10	Dust Cap (Male)	Size A	N/A
11	Dust Cap (Female)	Size B	N/A
12	Dust Cap (Male)	Size B	N/A
13	Dust Cap (Female)	Size C	N/A
14	Dust Cap (Male)	Size C	N/A
15	Dust Cap (Female)	Size D	N/A
16	Dust Cap (Male)	Size D	N/A
17	Potting Shell	Size A	N/A
18	Potting Shell	Size B	N/A
19	Potting Shell	Size C	N/A
20	Potting Shell	Size D	N/A
21	Back-Shell for Strapped Connections	Size A	~~8.4~~ 8.6
22	Back-Shell for Strapped Connections	Size B	~~11.6~~ 11.8
23	Back-Shell for Strapped Connections	Size C	15.5
24	Back-Shell for Strapped Connections	Size D	~~16.8~~ 17.1
25	Cable Clamp, Straight	Size A	~~11.5~~ 11.7
26	Cable Clamp, Straight	Size B	~~13.7~~ 14.7
27	Cable Clamp, Straight	Size C	~~19.4~~ 20
28	Cable Clamp, Straight	Size D	~~19.8~~ 21.2
29	Cable Clamp, Round	Size E	~~8~~ 9.7
30	Cable Clamp, Round	Size A	11
31	Cable Clamp, Round	Size B	~~13~~ 13.3
32	Cable Clamp, Round	Size C	~~15~~ 15.6
33	Cable Clamp, Round	Size D	~~16~~ 16.5
34	Deep Straight Clamp	Size E	~~13~~ 13.6
35	Deep Straight Clamp	Size A	~~16.8~~ 17.2
36	Deep Straight Clamp	Size B	~~26.5~~ 27.1

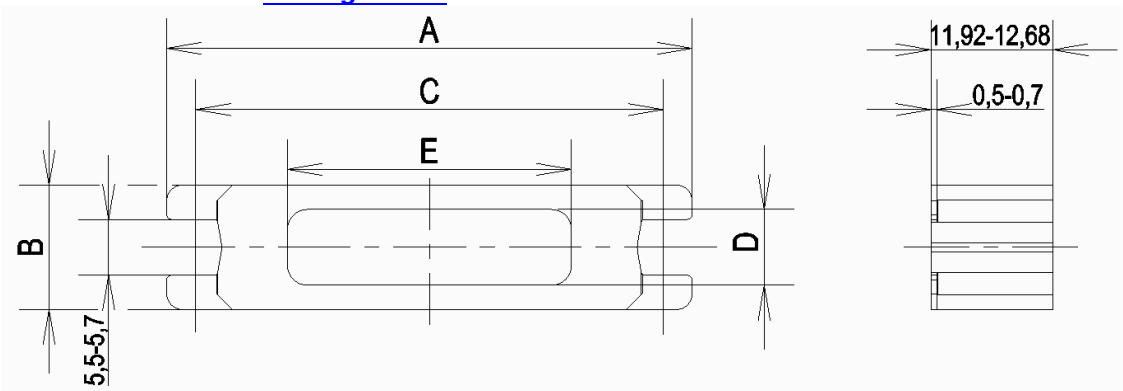
VARIANT	DESCRIPTION		WEIGHT (g)
37	Deep Straight Clamp	Size C	~~36~~ 39
38	Deep Straight Clamp	Size D	~~38.5~~ 40.8
39	Right Angle Clamp	Size E	14.6
40	Right Angle Clamp	Size A	17.2
41	Right Angle Clamp	Size B	~~24.4~~ 24.2
42	Right Angle Clamp	Size C	~~33.3~~ 33.5
43	Right Angle Clamp	Size D	~~38.7~~ 38.8
44	Screw Lock Assembly Brass (Male/slotted head screw)	With Back Shell	0.85
45	Screw Lock Assembly Brass (Male/slotted head screw)	With Back Shell	0.85
46	Screw Lock Assembly Brass (Male/slotted head screw)	With Back Shell	1
47	Screw Lock Assembly Brass (Male/slotted head screw)	With Back Shell	1
48	Screw Lock Assembly Stainless Steel (Female)		1.8
49	Screw Lock Assembly Stainless Steel (Male/slotted head screw)	Without Back Shell	0.8
50	Screw Lock Assembly Stainless Steel (Male/slotted head screw)	Without Back Shell	0.8
51	Screw Lock Assembly Stainless Steel (Male/slotted head screw)	Without Back Shell	1
52	Screw Lock Assembly Stainless Steel (Male/slotted head screw)	Without Back Shell	1
53	Screw Lock Assembly Stainless Steel (Female) for Savers		1.9
54	Screw Lock Assembly Stainless Steel (Male/slotted head screw)	With Back Shell	0.8
55	Screw Lock Assembly Stainless Steel (Male/slotted head screw)	With Back Shell	0.8
56	Screw Lock Assembly Stainless Steel (Male/slotted head screw)	With Back Shell	1
57	Screw Lock Assembly Stainless Steel (Male/slotted head screw)	With Back Shell	1
58	Screw Lock Assembly Brass (Female) for Feedthrough		2
59	Screw Lock Assembly Stainless Steel (Female) for Feedthrough		1.86
60	60° Angled Clamp	Size E	9
61	60° Angled Clamp	Size A	11
62	60° Angled Clamp	Size B	12
63	60° Angled Clamp	Size C	15
64	60° Angled Clamp	Size D	16
65	Screw Lock Assembly Brass (male/hex. hole head screw)	Without Back Shell	0.85
66	Screw Lock Assembly Brass (male/hex. hole head screw)	Without Back Shell	0.85
67	Screw Lock Assembly Brass (male/hex. hole head screw)	Without Back Shell	1
68	Screw Lock Assembly Brass (male/hex. hole head screw)	Without Back Shell	1

→ Weight :

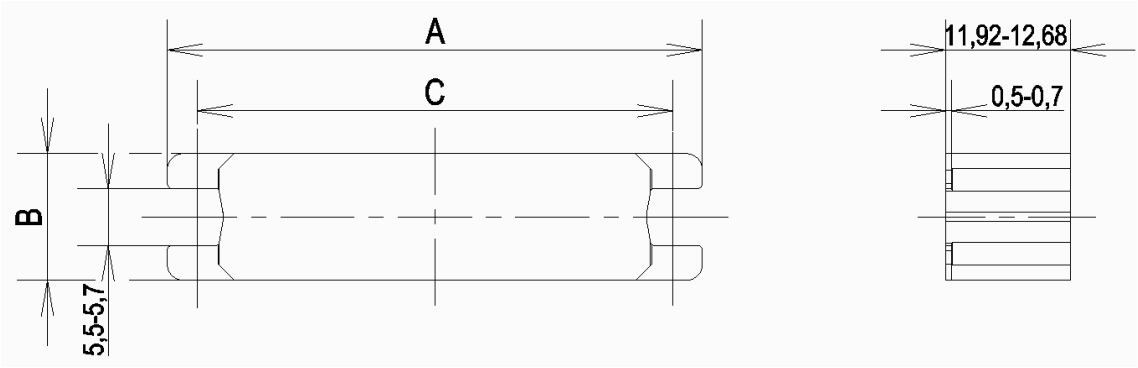
VARIANT	DESCRIPTION		WEIGHT (g)
69	Screw Lock Assembly Brass (male/hex. hole head screw)	With Back Shell	0.85
70	Screw Lock Assembly Brass (male/hex. hole head screw)	With Back Shell	0.85
71	Screw Lock Assembly Brass (male/hex. hole head screw)	With Back Shell	1
72	Screw Lock Assembly Brass (male/hex. hole head screw)	With Back Shell	1
73	Screw Lock Assembly Stainless Steel (Male/hex. hole head screw)	Without Back Shell	0.8
74	Screw Lock Assembly Stainless Steel (Male/hex. hole head screw)	Without Back Shell	0.8
75	Screw Lock Assembly Stainless Steel (Male/hex. hole head screw)	Without Back Shell	1
76	Screw Lock Assembly Stainless Steel (Male/hex. hole head screw)	Without Back Shell	1
77	Screw Lock Assembly Stainless Steel (Male/hex. hole head screw)	With Back Shell	0.8
78	Screw Lock Assembly Stainless Steel (Male/hex. hole head screw)	With Back Shell	0.8
79	Screw Lock Assembly Stainless Steel (Male/hex. hole head screw)	With Back Shell	1
80	Screw Lock Assembly Stainless Steel (Male/hex. hole head screw)	With Back Shell	1
81	Potting shell	Size E	N/A
82	Back-Shell for Strapped Connections	Size E	~~6.8~~ 6.7
83	Cable Clamp, Straight	Size E	~~8.3~~ 9
84	Dust Cap (Female)	Size F	N/A
85	Dust Cap (Male)	Size F	N/A

ESA/ESCC 3401/022 SPECIFICATION RELEASE
(Continued)

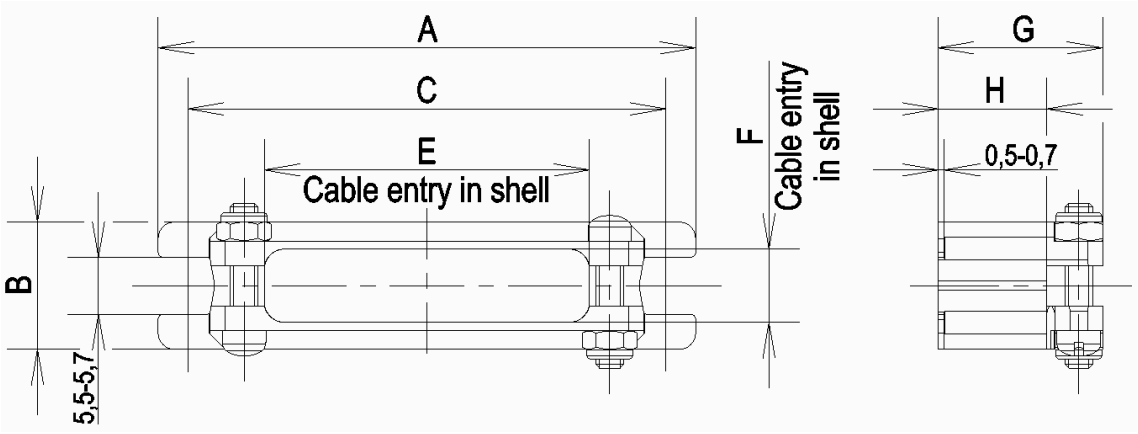
- 1 - View sheet 11 : Potting Shells



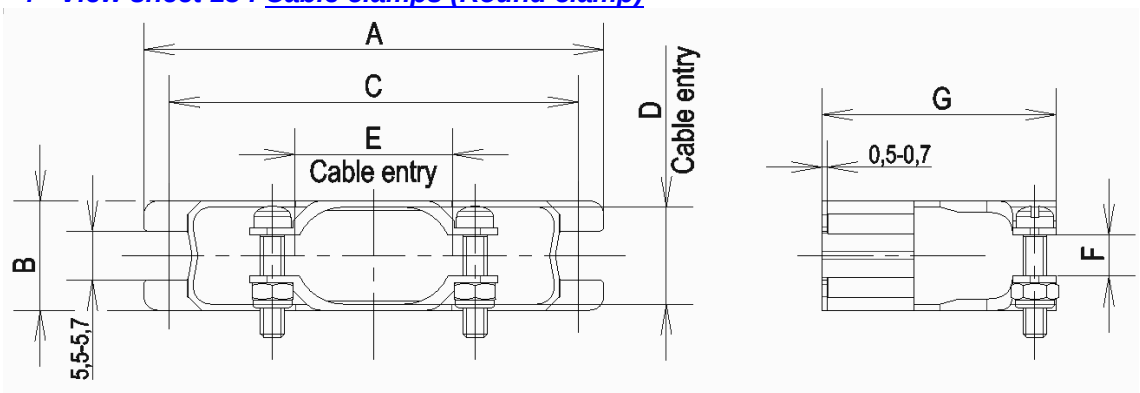
- 2 - View sheet 12 : Back shells (for strapped connections)



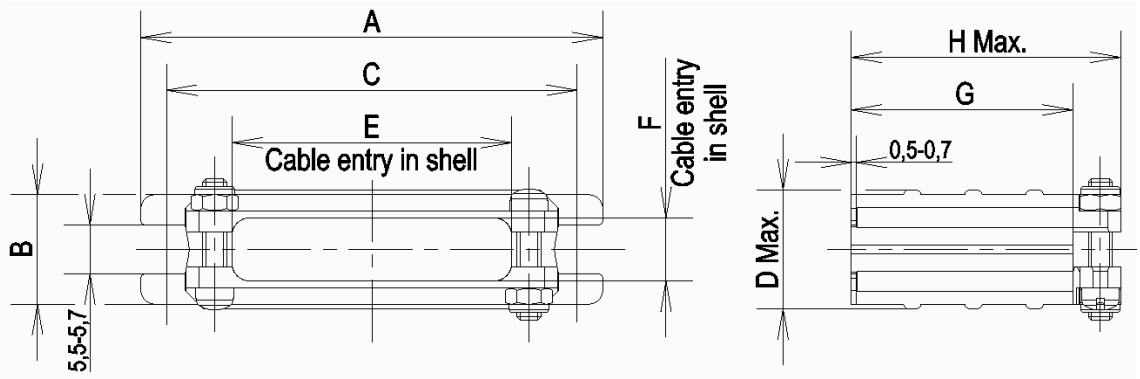
- 3 - View sheet 12 : Cable clamps (Straight clamp)



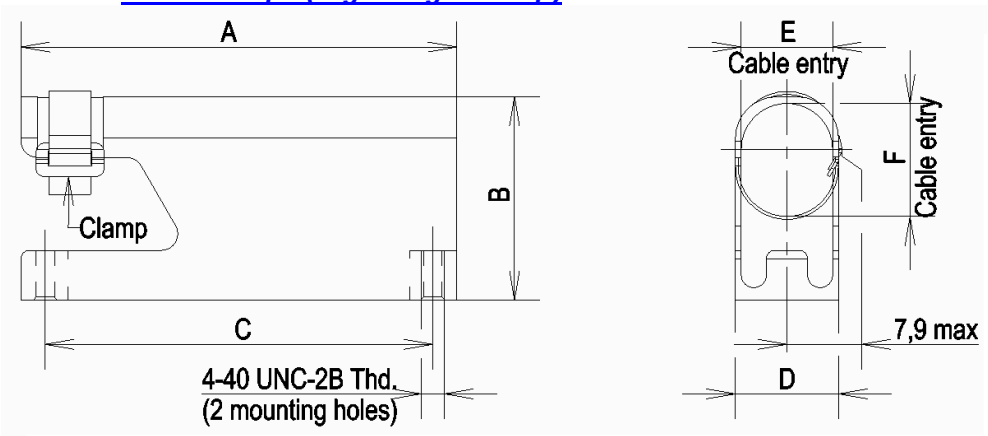
- 4 - View sheet 13 : Cable clamps (Round clamp)



- 5 - View sheet 13 : Cable clamps (Deep straight clamp)



- 6 - View sheet 14 : Cable clamps (Right angle clamp)



- 7 - Tabulation sheet 13 : Round Clamp

VARIANT	A		B		C		D		E		F		G	
	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.
29	30.32	31.08	12.32	13.08	24.74	25.24	10.12	10.88	10.12	10.88	2.82	3.58	25.4	27
30	38.51	39.27	12.32	13.08	33.08	33.58	10.72	11.48	10.72	11.48	2.82	3.58	25.4	27
31	52.4	53.16	12.32	13.08	46.79	47.29	10.72	11.48	17.72	18.48	4.32	5.08	26.2	27.8
32	68.66	69.42	12.32	13.08	63.25	63.75	10.72	11.48	24.72	25.48	5.92	6.73	26.2	27.8
33	66.29	67.05	15.09	15.85	60.86	61.36	13.52	14.28	26.52	27.28	7.52	8.28	26.2	27.8