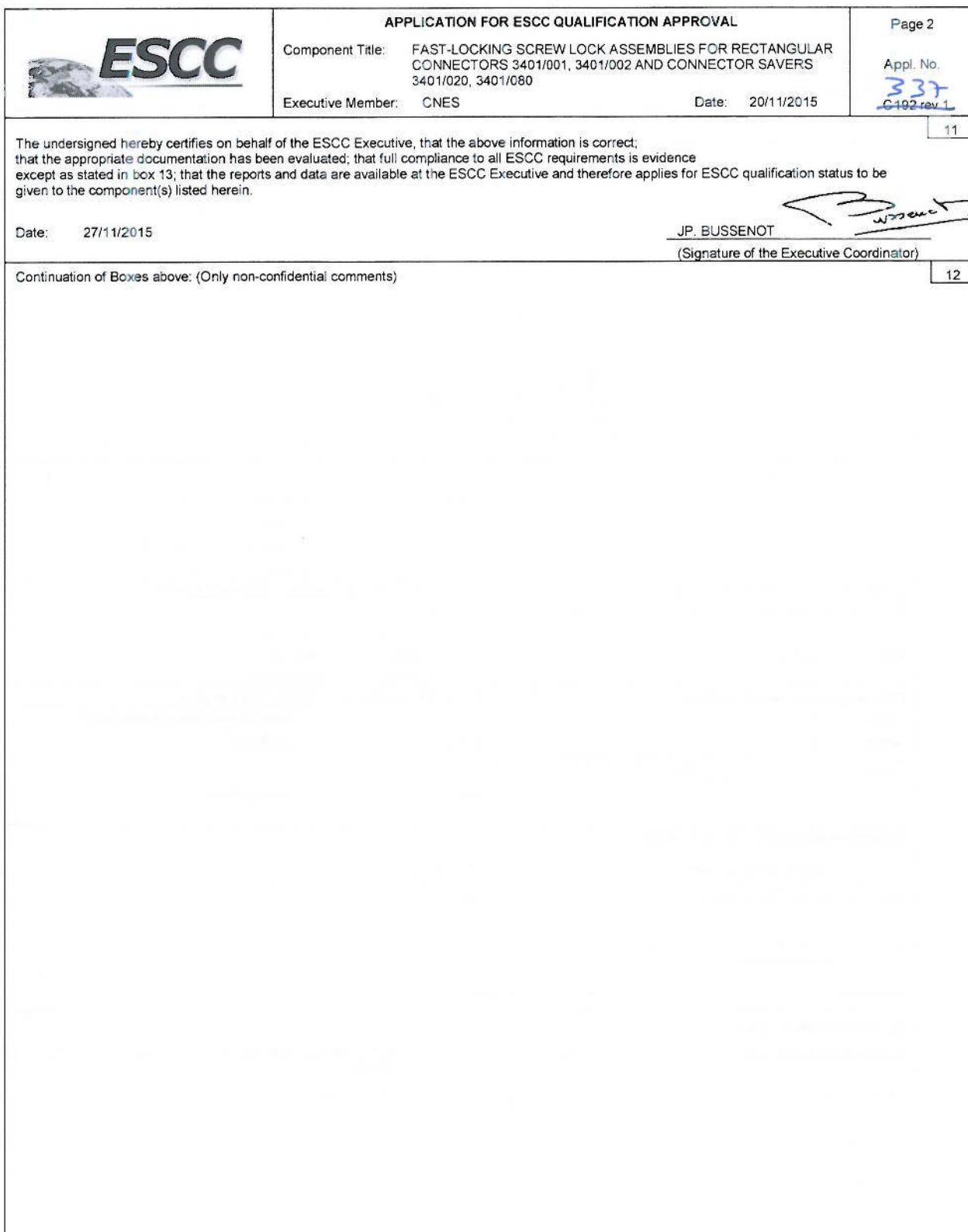


		APPLICATION FOR ESCC QUALIFICATION APPROVAL			Page 1
Component Title: FAST-LOCKING SCREW LOCK ASSEMBLIES FOR RECTANGULAR CONNECTORS 3401/001, 3401/002 AND CONNECTOR SAVERS 3401/020, 3401/080		Executive Member: CNES		Date: 20/11/2015	
					Appl. No. 337 <small>0102 rev 1</small>
Components (including series and families) submitted for Qualification Approval					
ESCC COMPONENT NO.	VARIANTS	RANGE OF COMPONENTS	BASED ON	TEST VEHICLE / S	COMPONENT SIMILAR
3401 085	01 to 06	Fast locking screw lock for D-Sub Connectors: Variant 01: Male fast locking without back shell Variant 02: Male fast locking with back shell Variant 03: Female fast locking Variant 04: Fast locking for saver Variant 05: Hybrid fast locking for saver Variant 06: Security pin for male fast locking screw lock assemblies Operating Temperature Range (°C): -55 to +125		01 to 06	
Component Manufacturer		Location of Manufacturing Plant	ESCC Specification used for Qualification		
C&K Components SAS		Rue Bertholet B.P. 359 39105 DOLE Cedex - France	Generic: 3401 Issue: 3 Detail/s: 3401 085 Issue: 3		
Qualification Report Reference and date: PV: 1560-11C1 (April 05th 2013) and 011-15C (January 07th 2015) Date: 07/01/2015			PID used for manufacturing Qualification Lot Ref No: CS-FR038 Issue: 1A & 1B Date: 01/05/2011		
PID changes since start of qualification None <input type="checkbox"/> Minor* <input checked="" type="checkbox"/> Major* <input type="checkbox"/> (* Details not published, provided in confidential annex 2.)			Current PID Verified by CNES: JB Sauveplane Name of Executive Representative Ref No: CS-FR038 Issue: 1C Date: October 2015		
Current Manufacturing facilities surveyed by: CNES: JB Sauveplane 14/03/2014 (Name of Executive Responsible) (Date)					
Report Reference					
Satisfactory: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Explain					
Quality and Reliability Data Evaluation testing performed Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Report Ref. No.: PV 09Q0163 Date: 20/10/2009 Equivalent Data: Certification:			Failure analysis, DPA, NCCS available Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (supply data) Ref Nos. and purpose:		



	APPLICATION FOR ESCC QUALIFICATION APPROVAL	Page 3 Appl. No. <u>337</u> C192 rev 1	
Component Title: FAST-LOCKING SCREW LOCK ASSEMBLIES FOR RECTANGULAR CONNECTORS 3401/001, 3401/002 AND CONNECTOR SAVERS 3401/020, 3401/080 Executive Member: CNES Date: 20/11/2015			
Non compliance to ESCC requirements: 13			
No.:	Specification	Paragraph	Non compliance
Additional tasks required to achieve full compliance for ESCC qualification or rationale for acceptability of noncompliance: 14			
Executive Manager Disposition: 15			
Application Approval: Yes <input type="checkbox"/> No <input type="checkbox"/> Action / Remarks:			
<div style="display: flex; justify-content: space-between;"> <div>Date:</div> <div style="text-align: right;">  <hr style="width: 150px; margin: 5px auto;"/> Signature, ESA Representative </div> </div>			



APPLICATION FOR ESCC QUALIFICATION APPROVAL

Component Title: FAST-LOCKING SCREW LOCK ASSEMBLIES FOR RECTANGULAR CONNECTORS 3401/001, 3401/002 AND CONNECTOR SAVERS 3401/020, 3401/080

Executive Member: CNES

Date: 20/11/2015

Page 4

Appl. No.

337
C192 rev 1

ANNEX 1: LIST OF TESTS DONE TO SUPPORT QUALIFICATION

16

Tests conducted in compliance with:


- ESCC 3401 generic specification; Chart IV (for ESCC/QPL parts);
- Or PID-TFD (for ESCC/QML parts)

Tests vehicle identification/description:

3401 085 01 & 02	3401 085 03 & 04
3401 085 05	3401 085 06

Detail Specification reference: 3401 085 issue 3

Chart IV	Test	Tick when done	Conditions	Date Code	Tested Qty	N° of Rejects	Comments if not performed. Comments on Rejection
Subgroup I	Wiring	<input checked="" type="checkbox"/>	ESCC 3401 Para. 9.10	1146	16	0	
	Vibration	<input checked="" type="checkbox"/>	ESCC 3401 Para. 9.11	1146	16	0	
	Shock or Bump	<input checked="" type="checkbox"/>	IEC Publication No. 512-4	1146	16	0	
	Climatic sequence	<input checked="" type="checkbox"/>	ESCC 3401 Para. 9.13	1146	16	0	
	Plating thickness	<input checked="" type="checkbox"/>	ESCC 3401 Para. 9.14	1146	16	0	
	Life test locking-unlocking	<input checked="" type="checkbox"/>	ESCC 3401085 Para. 4.3.5	1146	16	0	
Subgroup II	Wiring	<input checked="" type="checkbox"/>	ESCC 3401 Para. 9.10	1146	16	0	
	Rapid change of temperature	<input checked="" type="checkbox"/>	ESCC 3401 Para. 9.16	1146	16	0	
	Life test locking-unlocking	<input checked="" type="checkbox"/>	ESCC 3401085 Para. 4.3.5	1146	16	0	
Subgroup III	Wiring	<input checked="" type="checkbox"/>	ESCC 3401 Para. 9.10	1146	16	0	
	High temperature storage	<input checked="" type="checkbox"/>	ESCC 3401 Para. 9.21	1146	16	0	
	Retention on shells	<input checked="" type="checkbox"/>	ESCC 3401085 Para. 4.3.6	1146	16	0	
	Corrosion	<input checked="" type="checkbox"/>	ESCC 3401 Para. 9.22	1146	16	0	
Subgroup IV	Maximum torque application	<input checked="" type="checkbox"/>	ESCC 3401085 Para. 4.3.3	1146	16	0	
	Clip retention inside bushing	<input checked="" type="checkbox"/>	ESCC 3401085 Para. 4.3.7	1146	16	0	
Subgroup V	Security pin retention in male fast locking	<input checked="" type="checkbox"/>	ESCC 3401085 Para. 4.3.9	1428	30	0	
	Environmental sequence	<input checked="" type="checkbox"/>	ESCC 3401085 Para. 4.3.11	1428	30	0	
	Mechanical sequence	<input checked="" type="checkbox"/>	ESCC 3401085 Para. 4.3.10	1428	30	0	
	Climatic sequence	<input checked="" type="checkbox"/>	ESCC 3401 Para. 9.13	1428	30	0	
	Life test locking-unlocking	<input checked="" type="checkbox"/>	ESCC 3401085 Para. 4.3.10	1428	30	0	
	Pull test on mated screw lock	<input checked="" type="checkbox"/>	ESCC 3401085 Para. 4.3.10e	1428	30	0	

	<p align="center">APPLICATION FOR ESCC QUALIFICATION APPROVAL</p> <p>Component Title: FAST-LOCKING SCREW LOCK ASSEMBLIES FOR RECTANGULAR CONNECTORS 3401/001, 3401/002 AND CONNECTOR SAVERS 3401/020, 3401/080</p> <p>Executive Member: CNES</p> <p align="right">Date: 20/11/2015</p>	<p align="right">Page 7</p> <p align="right">Appl. No. 337</p> <p align="right">6192 rev 1</p>
<p align="center">NOTES ON THE COMPLETION OF THE APPLICATION FORM FOR ESCC QUALIFICATION APPROVAL</p>		
<p>ENTRIES</p>		
Form Heading	shall indicate:— the title of the component as given in its detail specification or the name of the series or family; — the entering date; — the serial number and the suffix of the form.	
Box 1	shall provide details given in table; in particular there shall be listed - the variants or range of variants; the range of components by using the ESCC code for values tolerances, etc.; the designation given in detail specification as 'based on'; —under Test Vehicle enter either a cross or the specific characteristic capable to identify the component tested; — under component similar enter a cross.	
Box 2 and 3	Manufacturer's name and location of plant where the components were manufactured and tested.	
Box 4	Generic and detail specifications used during qualification program.	
Box 5	Reference to test report(s) submitted in support of application.	
Box 6	Enter details to identify the PID that was applicable at the time the qualification lot was manufactured.	
Box 7	If the PID was evolved after qualification lot manufacture, adequate details of such evolution shall be provided together with reasons for changes. Major changes shall be clearly marked.	
Box 8	The box serves to identify the current PID and the Executive Representative that has verified it together with the date of this occurrence.	
Box 9	This box can be completed only after a physical visit to the plant to confirm that the practices, procedures, materials, etc. used in manufacturing the components are as described in the PID. This survey shall be carried out in accordance with the requirements of ESCC Basic Specification No. 20200 and its findings shall be recorded.	
Box 10	Details entered shall be sufficient to evidence that an evaluation program according to ESCC Basic Specification No. 22600 has been performed and that the results thereof are summarized in the survey and test reports. If the evaluation program has not been carried out according to established ESCC documents, the applicant Executive Representative shall provide alternative data and declare its assessed degree of satisfactory compliance with the ESCC basic requirements. Reference shall be made to the reports on Destructive Physical Analysis (DPA), Failure Analysis and Non conformance (NCCS) issued during the Evaluation and/or Qualification Phase.	
Box 11	Enter the name of the Executive Coordinator and the signature.	
Box 12	To be used when there is a need to expand any of the boxes from 1 through 10. Identify box affected and reference the Box 12 in the relevant Box. Box 12 can be broken into 12a, 12b, etc. if several Boxes have to be expanded.	
Box 13	Fill table as requested.	
Box 14	Fill in any additional tasks required to achieve full compliance.	
Box 15	All Executive recommendations on the application itself, special conditions or restrictions, modifications of the QPL or ESCC QML entry, letters to the manufacturer, etc. shall be entered clearly in Box 15, signed by the ESA Representative.	
Box 16	Fill in Table as requested.	
Box 17	Confidential details of PID changes shall be provided.	
Box 18	State noncompliance with reference to specification(s) and paragraph(s). To simplify reference in Box 18 each nonconformance shall be sequentially numbered. If relevant state 'None'	
Box 19	Any additional action deemed necessary by the Executive Representative to bring the submitted data to a standard likely to be accepted by the ESCC Executive should be listed herein or the reason(s) to accept the nonconformance.	
Box 20	Additional Comments	