
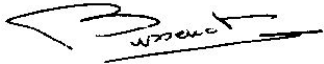
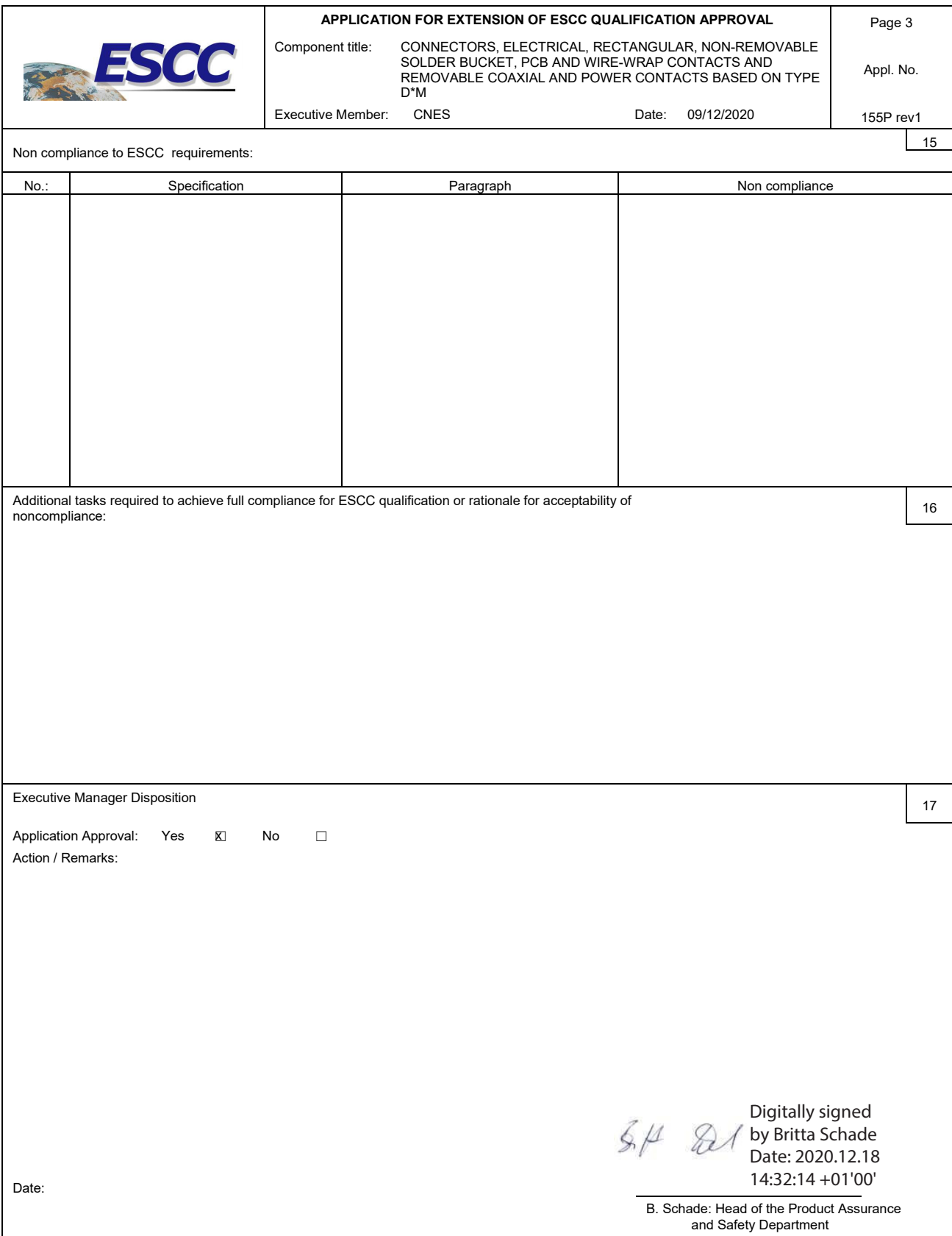

	<b>APPLICATION FOR EXTENSION OF ESCC QUALIFICATION APPROVAL</b>				Page 1  Appl. No.  155P
Component Title: <b>CONNECTORS, ELECTRICAL, RECTANGULAR, NON-REMOVABLE SOLDER BUCKET, PCB AND WIRE-WRAP CONTACTS AND REMOVABLE COAXIAL AND POWER CONTACTS BASED ON TYPE D*M</b>					
Executive Member: <b>CNES</b>					Date: 09/12/2020
Components (including series and families) submitted for Extension of Qualification Approval:					1
ESCC COMPONENT NO.	VARIANTS	RANGE OF COMPONENTS	BASED ON	TEST VEHICLE / S	COMPONENT SIMILAR
3401/001	01 & 02	Range of Contacts: Size 20 : 9, 15, 25, 37 and 50 contacts. Size 22 : 15, 26, 44, 62, 78 contacts. Mounting Type : blank: standard mounting holes Y: floating mount E: captive nuts. Gold-plated non-magnetic coating Operating Temperature Range (°C): -55 to +125 Complete range as defined in detailed specification is qualified except : - High density 104 contacts arrangement - Coaxial and power contacts and arrangement	D*M	3401 001 02B DAM 26PNMB 3401 001 02B DAM 26SNMB 3401 001 02B DCM 62PNMB 3401 001 02B DCM 62SNMB 3401 001 01B DBM 25PNMB 3401 001 01B DBM 25SNMB 3401 001 01B DEM 78PNMB 3401 001 01B DEM 78SNMB	
3401/022	01 to 16 & 44 to 57 & 65 to 80			3401 022 01, 70, 06, 72, 53, 48	
3401/072	01 to 65			3401 072 53, 38, 01, 06, 54, 43, 45	
3401/004	01 to 20	Contacts Coaxial Crimp-type and Solder-Type for 3401/001		See Box 7	
3401/040	01 to 12	Contacts Power Crimp-Type and Solder Type for 3401/001 and 3401/002 Connectors		See Box 7	
Component Manufacturer SOURIAU		Location of Manufacturing Plant(s) 3 Rue du Vallon 94440 Marolles en Brie France		Date of original qualification approval: Date: 05/08/1988  Certificate Ref No. 155	
ESCC Specifications used for Maintenance of qualification testing: Generic: 3401 Issue: 5  Detail(s): 3401/001 Issue: 11 3401/022 13 3401/072 10		Deviations to LVT testing and Detail Specification used: No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> (supply details in Box 15)  Deviation from current Specifications: No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> (Supply details)		Qualification Extension Report reference and date: PV 8949-19-124, Issue A, 27/08/20	
Summary of procurement or equivalent test results during current validity period in support of this application (those to ESCC listed first)					8
Project Name	Testing Level	LAT	Date code	Quantity Delivered	
See Synthèse Historique ventes SubD in appendix					
PID changes since start of qualification None <input type="checkbox"/> Minor* <input checked="" type="checkbox"/> Major* <input type="checkbox"/> *Provide details in box:		Current PID Verified by: <u>Nouals François</u> Name of Executive Representative  Ref No: ZQU 92 M 153 Issue: U Date: 24/11/2020 Rev Date: 01/02/2020			
Current Manufacturing facilities surveyed by: <u>François NOUALS</u> on <u>23/07/2018</u> (Name of Executive Representative) (Date)					11
Satisfactory: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Explain					
Report Reference: <u>CRIM 1027778 23 mai 2018</u>					

	<b>APPLICATION FOR EXTENSION OF ESCC QUALIFICATION APPROVAL</b>	Page 2
	Component title: CONNECTORS, ELECTRICAL, RECTANGULAR, NON-REMOVABLE SOLDER BUCKET, PCB AND WIRE-WRAP CONTACTS AND REMOVABLE COAXIAL AND POWER CONTACTS BASED ON TYPE D*M	Appl. No.
	Executive Member: CNES	Date: 09/12/2020
Failure Analysis, DPA, NCCS available:    Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (Supply data)		12
Ref. No's and purposes:		
The undersigned hereby certifies on behalf of the ESCC Executive - that the above information is correct; - that the appropriate documentation has been evaluated; - that full compliance to all ESCC requirements is evidence (except as stated in box 15;) - that the reports and data are available at the ESCC Executive and therefore applies on behalf of CNES as the responsible Executive Member for ESCC qualification status to be extended to the component(s) listed herein.		13
Date: 10/12/2020	 JP. BUSSENOT (Signature of the Executive Coordinator)	
Continuation of Boxes above:		14
Box 10: PID was completed with all new variants on this revision (see modified Chapter 5, 8 et 10) . The result of this variant can be found in the doc PV 8949-19-124, Issue A, 27/08/20 Paragraphe 9.2 et 9.3 .		



	<b>APPLICATION FOR EXTENSION OF ESCC QUALIFICATION APPROVAL</b>		Page 4
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	Executive Member: CNES	Date: 09/12/2020	155P rev1

ANNEX 1: LIST OF TESTS DONE TO SUPPORT EXTENSION OF QUALIFICATION

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Tests conducted in compliance with:

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

Tests vehicle identification/description:


Série	Références	Brochage	Répartition			
			LAT 1	LAT 2	Screw Lock	Raccords
D*M	3401 001 01B DAM 15PNMB OL3	15 points# 20	1 couple	1 couple	3401 022 01BNMB	/
	3401 001 01B DAM 15SNMB				3401 072 01BNMB	3401 072 06BNMB
	3401 001 01B DDM 50PNMB 1AON	50 points# 20	1 couple	1 couple	3401 022 01BNMB	/
	3401 001 01B DBM 50SNMB				3401 072 02BNMB	3401 072 50BNMB
	3401 001 02B DBM 44PNMB 1C7N	44 points# 22	1 couple	1 couple	3401 022 48B	/
	3401 001 02B DBM 44SNMB OL3				3401 022 74B	/
	3401 001 02B DDM 78PNMB 1DON	78 points# 22	1 couple	1 couple	3401 022 68BNMB	/
	3401 001 02B DDM 78SNMB 1D7N				3401 022 01BNMB	/
	3401 001 01B DBM 5WSPNMB	5 points #8	1 couple	1 couple	3401 022 01BNMB	3401 072 07BNMB
	3401 001 01B DBM 5WSSNMB				3401 072 01BNMB	3401 072 48BNMB
	3401 001 01B DCM 8WSPNMB	8 points #8	1 couple	1 couple	3401 022 01BNMB	3401 072 49BNMB
	3401 001 01B DCM 8WSSNMB				3401 072 01BNMB	3401 072 08BNMB

3401 004 01B	Coax Mâle #8 Droit à Souder	10
3401 004 02B	Coax Femelle #8 Droit à Souder	10
3401 004 03B	Coax Mâle #8 90° à Souder	10
3401 004 04B	Coax Femelle #8 90° à Souder	10
3401 040 05B	Puissance Mâle #8 à Souder AWG 16	10
3401 040 06B	Puissance Fem. #8 à Souder AWG16	10
3401 040 11B	Puissance Mâle #8 à Sertir AWG 12-14	10
3401 040 12B	Puissance Fem. #8 à Sertir AWG 12-14	10

Detail Specification reference:

3401/001, 3401/022, 3401/072

Chart V	Test	Tick when done	Conditions	Date Code	Tested Qty	No. of Rejects	Comments if not performed. Comments on Rejection
Environmental and Mechanical Subgroup	Wiring	<input checked="" type="checkbox"/>	ESCC 3401 Para. 9.10	1937	8		
	Climatic Sequence	<input checked="" type="checkbox"/>	ESCC 3401 Para. 9.13	1937	8		
	Permanence of Marking	<input checked="" type="checkbox"/>	ESCC 24800	1937	8		
	Corrosion	<input checked="" type="checkbox"/>	IEC Publication No. 68-2-11	1937	8		
	Seal Test	<input type="checkbox"/>	ESCC 3401 Para. 9.9		0		NA
	Plating Thickness	<input checked="" type="checkbox"/>	ESCC 3401 Para. 5.2.3	1937	8		
Endurance Subgroups	Wiring	<input checked="" type="checkbox"/>	ESCC 3401 Para. 9.10	1937	8		
	Rapid change of Temperature	<input checked="" type="checkbox"/>	ESCC 3401 Para. 9.16	1937	8		
	Contact Retention	<input checked="" type="checkbox"/>	ESCC 3401 Para. 9.17	1937	8		
	Maintenance Ageing	<input type="checkbox"/>	ESCC 3401 Para. 9.27		0		NA
	Endurance	<input checked="" type="checkbox"/>	ESCC 3401 Para. 9.18	1937	8		
	Seal Test	<input type="checkbox"/>	ESCC 3401 Para. 9.9		0		NA
	Joint Stength	<input type="checkbox"/>	ESCC 3401 Para. 9.15				NA
	Engage/Separ. Forces	<input checked="" type="checkbox"/>	ESCC 3401 Para. 9.28	1937	8		
	Oversize Pin Exclusion	<input checked="" type="checkbox"/>	ESCC 3401 Para. 9.29	1937	8		
	Probe Damage	<input checked="" type="checkbox"/>	IEC Publication No. 512-8	1937	8		

	<p align="center"><b>APPLICATION FOR EXTENSION OF ESCC QUALIFICATION APPROVAL</b></p> <p>Component title: CONNECTORS, ELECTRICAL, RECTANGULAR, NON-REMOVABLE SOLDER BUCKET, PCB AND WIRE-WRAP CONTACTS AND REMOVABLE COAXIAL AND POWER CONTACTS BASED ON TYPE D*M</p> <p>Executive Member: CNES</p>	<p>Page 6</p> <p>Appl. No.</p> <p>155P rev1</p>
<p align="center"><b>NOTES ON THE COMPLETION OF THE APPLICATION FORM FOR ESCC QUALIFICATION EXTENSION APPROVAL</b></p>		
<p><b>ENTRIES</b></p>		
Form heading	<p>shall indicate: - the title of the component as given in its detail specification or the name of the series, family; - the Executive Member; - the entering date; - the certificate number and its sequential suffix.</p>	
<b>Box 1</b>	<p>shall provide details given in the table; in particular there shall be listed: - the variants or range of variants; - the range of components (the ESCC code is recommended to indicate the values or values range, the tolerance, the voltage, etc); the designation given in the detail specification as 'base on'; - under Test Vehicle enter either an ESCC code or the specific characteristic capable of identifying the component tested (e.g., voltage of coil for a relay); - under component similar enter a cross if relevant.</p>	
<b>Box 2; 3 and 4</b>	<p>As per QPL entry; otherwise, an explanation of the changes must be supplied.</p>	
<b>Box 5</b>	<p>Will show the ESCC Generic and Detail specifications, including issue number and revision letter, current at the time the tests reported were performed. If the specifications are different from those current on the date of the application, see Box 6.</p>	
<b>Box 6</b>	<p>Will show the deviations from the Generic and Detail Specifications listed in Box 5, in particular deviations from testing. In case of deviations this must be listed in Box 15. In case the referenced specification in Box 5 have currently a different issue and/or revision indicate also whether the test data deviates or not from such current documents.</p>	
<b>Box 7</b>	<p>Must reference the report(s) supplied in support of the application.</p>	
<b>Box 8</b>	<p>Should provide the details of procurement to the full ESCC System, documentation of all of which should already have been delivered to the ESCC Executive under the terms of the relevant Generic Specification. An appropriate table has been drawn in this box.</p>	
<b>Box 9</b>	<p>If the PID evolved after the Original Qualification or after the last Extension of Qualification, adequate details of such evolution shall be provided together with the reasons for the changes. Major changes shall be clearly marked.</p>	
<b>Box 10</b>	<p>Identify the current PID issue status, date and actual date of verification. The date of verification of the current PID should be arranged as close as possible to the required date of extension.</p>	
<b>Box 11</b>	<p>This box can be completed only after a physical visit to the plant to confirm that no unexplained changes occurred and that the practices, procedures, material, 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.</p>	
<b>Box 12</b>	<p>Provide details of, or reference to, any Destructive Physical Analysis (DPA) and Failure Analysis reports as well as any Nonconformance(s) (NCCS) occurred during the qualification validity period, stating if established corrective action have produced satisfactory results.</p>	
<b>Box 13</b>	<p>Enter only the name of the Executive Member (i.e., CNES, DLR, ESTEC, etc.) and the signature of the responsible Executive Coordinator.</p>	
<b>Box 14</b>	<p>To be used when there is a need to expand any of the boxes from 1 through 12. Identify box affected and reference the Box 14 in the relevant Box. Box 14 can be broken into 14a, 14b, etc. if several boxes have to be expanded.</p>	
<b>Box 15</b>	<p>Fill in Table as requested.</p>	
<b>Box 16</b>	<p>Any additional action deemed necessary by the Executive Member 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 noncompliance.</p>	
<b>Box 17</b>	<p>All Executive Manager recommendations on the application itself, special conditions or restrictions, modifications of the QPL or QML entry, letters to the manufacturer, etc. shall be entered clearly in Box 19, signed by the representative for ESA, and dated.</p>	
<b>Box 18</b>	<p>Fill in Table as requested.</p>	
<b>Box 19</b>	<p>Confidential Details of PID changes including those of a confidential nature, shall be provided.</p>	
<b>Box 20</b>	<p>State noncompliance with reference to specification(s) and paragraph(s). To simplify reference in Box 16 each nonconformance shall be sequentially numbered. If relevant state 'None'.</p>	
<b>Box 21</b>	<p>Any additional action deemed necessary by the Executive Member 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 noncompliance.</p>	
<b>Box 22</b>	<p>Additional Comments.</p>	