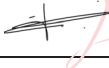
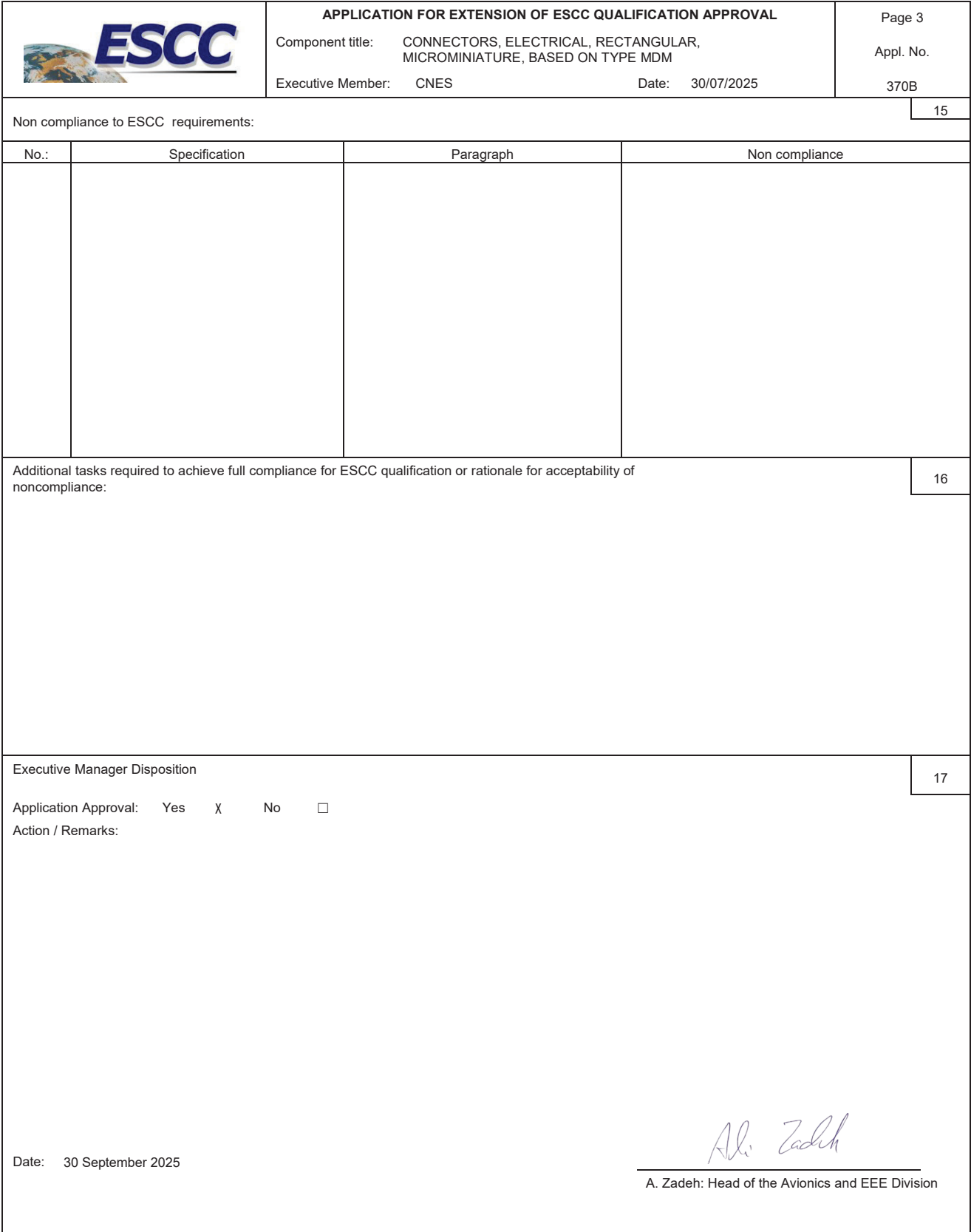


		APPLICATION FOR EXTENSION OF ESCC QUALIFICATION APPROVAL			Page 1 Appl. No. 370B
		Component Title: CONNECTORS, ELECTRICAL, RECTANGULAR, MICROMINIATURE, BASED ON TYPE MDM		Date: 30/07/2025	
		Executive Member: CNES			
Components (including series and families) submitted for Extension of Qualification Approval:					1
ESCC COMPONENT NO.	VARIANTS	RANGE OF COMPONENTS	BASED ON	TEST VEHICLE / S	COMPONENT SIMILAR
3401 029	01 & 02	Layout : 09-15-21-25-31-37-51 contacts. Non removable crimp. Contacts termination type : FR112 to FR116, FR112A to FR115A, FR112B to FR115B, FR123, FR123A, FR123B, FR139, 75SBB, 75SBT, 75RBB, 75RBT, CBRB, CBRT	MDSA	See ANNEX 1: LIST OF TESTS DONE TO SUPPORT EXTENSION OF QUALIFICATION box 18	
3401 032	07,08,21 to 38				
3401 091	01 to 09	Layout : 09-12-21-25-31-37 contacts. Non removable crimp contacts.	MDDCSA	See ANNEX 1: LIST OF TESTS DONE TO SUPPORT EXTENSION OF QUALIFICATION box 18	
3401 100	01 to 04	Layout : 2 and 4 contacts. Non removable crimp contacts. Pigtail, 90° PCB mounting, straight PCB mounting	SnapLite	See ANNEX 1: LIST OF TESTS DONE TO SUPPORT EXTENSION OF QUALIFICATION box 18	
Component Manufacturer Axon'Cable SA		Location of Manufacturing Plant(s) Axon'Cable SA Route de Chalons enChampagne 51210 Montmirail, FRANCE		Date of original qualification approval: Date: 29/01/2021 Certificate Ref No. 370	
ESCC Specifications used for Maintenance of qualification testing: Generic: 3401 Issue: 5 Detail(s): 3401/029 Issue: 22 3401/091 2 3401/032 14 3401/100 1		Deviations to LVT testing and Detail Specification used: No ☒ Yes ☐ (supply details in Box 15) Deviation from current Specifications: No ☒ Yes ☐ (Supply details)		Qualification Extension Report reference and date: 24021-QTR-0001-AXON issue 1 (for 3401/029-091-032) 18049-QTR-0001-AXON issue 2 (for 3401/100)	
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 Appendix					
PID changes since start of qualification None ☐ Minor* ☐ Major* ☒ *Provide details in box: 19			Current PID Verified by: F. Nouals Name of Executive Representative Ref No: CNES-PID-17-Axon Issue: 3 Rev Date: 06/06/2025		
Current Manufacturing facilities surveyed by: CNES on 01/04/2025 (Name of Executive Representative) (Date) Satisfactory: Yes ☒ No ☐ Explain Report Reference: Mission Axon 01/04/2025					11

	APPLICATION FOR EXTENSION OF ESCC QUALIFICATION APPROVAL Component title: CONNECTORS, ELECTRICAL, RECTANGULAR, MICROMINIATURE, BASED ON TYPE MDM Executive Member: CNES Date: 30/07/2025	Page 2 Appl. No. 370B
Failure Analysis, DPA, NCCS available: Yes ☐ No ☒ (Supply data) Ref. No's and purposes:		12
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. Date: 30/07/2025		13
 Signature numérique de Fontaine Lya Date: 2025.07.30 14:31:40 +02'00' Lya Fontaine (Signature of the Executive Coordinator)		
Continuation of Boxes above:		14



**APPLICATION FOR EXTENSION OF ESCC QUALIFICATION APPROVAL**Component Title: CONNECTORS, ELECTRICAL, RECTANGULAR, MICROMINIATURE,
BASED ON TYPE MDM

Executive Member: CNES

Date: 30/07/2025

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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:

340109101B25P01902L250B	340109103B25SBW1
340109101B25P01902L250B	340109102B25S01902L250P
340102902B37PFR112 + 340103222B	340102902B37SFR112 + 340103208B
340110001B02CS01204L300 /	340110001B02CP01204L300
340110001B04S01204L300 & 050	340110002B04PA
340110001B04S01204L300 & 050	340110001B04P01204L300
340110001B04S01203L300 & 050	340110001B04P01203L300

With conversion sheet

Axon' Part Number	ESCC Number
P581601A^V1	340110001B04S01204L300
P581601A^V2	340110001B04S01204L050
P581602A^V1	340110001B04P01204L300
P581602A^V2	340110001B04P01204L050
P581603A^V1	340110001B02CS01204L300
P581603A^V2	340110001B02CS01204L050
P581604A^V1	340110001B02CP01204L300
P581604A^V2	340110001B02CP01204L050
P581699A^V1	340110001B04S01203L300
P581699A^V2	340110001B04S01203L050
P581700A^V1	340110001B04P01203L300
P581700A^V2	340110001B04P01203L050
P579307A^V1	340110002B04PA

Detail Specification reference: ESCC 3401/029, 3401/032, 3401/091, 3410/100

For 3401/029 – 3401/032 – 3401/091:

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	☒	ESCC 3401 Para. 9.10	24/28	6	0	
	Climatic Sequence	☒	ESCC 3401 Para. 9.13	24/28	6	0	
	Permanence of Marking	☒	ESCC 24800	24/28	2	0	
	Corrosion	☒	IEC Publication No. 68-2-11	24/28	2	0	
	Seal Test	☐	ESCC 3401 Para. 9.9				Not applicable
	Plating Thickness	☒	ESCC 3401 Para. 5.2.3	24/28	2	0	
Endurance Subgroups	Wiring	☒	ESCC 3401 Para. 9.10	24/28	4	0	
	Rapid change of Temperature	☒	ESCC 3401 Para. 9.16	24/28	4	0	
	Contact Retention	☒	ESCC 3401 Para. 9.17	24/28	2	0	
	Maintenance Ageing	☐	ESCC 3401 Para. 9.27				Not applicable
	Endurance	☒	ESCC 3401 Para. 9.18	24/28	4	0	
	Seal Test	☐	ESCC 3401 Para. 9.9				Not applicable
	Joint Strength	☐	ESCC 3401 Para. 9.15				Not applicable
	Engage/Separ. Forces	☒	ESCC 3401 Para. 9.28	23/46	10	0	
	Oversize Pin Exclusion	☐	ESCC 3401 Para. 9.29				Not applicable
	Probe Damage	☐	IEC Publication No. 512-8				Not applicable
Additional Tests		☐					
		☐					
		☐					

For 3401/100:

Chart IV	Test	Tick when done	Conditions	Date Code	Tested Qty	N° of Rejects	Comments if not performed. Comments on Rejection
Subgroup I	Wiring	☐	ESCC 3401 Para. 9.10	22/41, 22/39, 22/35	8	0	
	Vibration	☐	ESCC 3401 Para. 9.11	22/41, 22/39, 22/35	8	0	
	Shock or Bump	☐	IEC Publication No. 512-4	22/41, 22/39, 22/35	8	0	
	Climatic sequence	☐	ESCC 3401 Para. 9.13	22/41, 22/39, 22/35	8	0	
	Seal	☐	ESCC 3401 Para. 9.9				Not applicable
	Plating thickness	☐	ESCC 3401 Para. 5.2.3				Not done as same contacts as MicroD QPL 3401/029 & 091
	Joint strength	☐	ESCC 3401 Para. 9.15				Not applicable
Subgroup II	Wiring	☐	ESCC 3401 Para. 9.10	22/41, 22/39, 22/35	8	0	
	Rapid change of temperature	☐	ESCC 3401 Para. 9.16	22/41, 22/39, 22/35	8	0	
	Contact retention	☐	ESCC 3401 Para. 9.17	22/41, 22/39, 22/35	4	0	

	Endurance	☐	ESCC 3401 Para. 9.18	22/41, 22/39, 22/35	8	0	
	Permanence of marking	☐	ESCC 24800				Not applicable
	Seal	☐	ESCC 3401 Para. 9.9				Not applicable
	Joint strength	☐	ESCC 3401 Para. 9.15				Not applicable
Subgroup III	Wiring	☐	ESCC 3401 Para. 9.10	22/41, 22/39, 22/35	8	0	
	Mating / Unmating forces	☐	ESCC 3401 Para. 9.20	22/41, 22/39, 22/35	8	0	
	High temperature storage	☐	ESCC 3401 Para. 9.21	22/41, 22/39, 22/35	8	0	
	Corrosion	☐	IEC Publication No. 68-2-11				Not applicable
	Insert retention	☐	ESCC 3401 Para. 9.23				Not applicable
	Jackscrew retention	☐	ESCC 3401 Para. 9.24				Not applicable
	Seal	☐	ESCC 3401 Para. 9.9				Not applicable
Subgroup IV	Wiring	☐	ESCC 3401 Para. 9.10	22/41, 22/39, 22/35	8	0	
	High temperature measurement	☐	ESCC 3401 Para. 9.25	22/41, 22/39, 22/35	8	0	
	Overload test	☐	ESCC 3401 Para. 9.26	22/41, 22/39, 22/35	8	0	
	Maintenance aging	☐	ESCC 3401 Para. 9.27				Not applicable
	Joint strength	☐	ESCC 3401 Para. 9.15				Not applicable
Subgroup V	Engagement / Separation forces	☐	ESCC 3401 Para. 9.28				Not done as same contacts as MicroD QPL 3401/029 & 091
	Oversize pin Excursion	☐	ESCC 3401 Para. 9.29				Not applicable
	Probe damage	☐	IEC Publication No. 512-8				Not applicable
	Plating thickness	☐	ESCC 3401 Para. 5.2.3				Not done as same contacts as MicroD QPL 3401/029 & 091
Subgroup VI	Solderability	☐	IEC Publication No. 512-6				Not applicable
Additional Tests		☐					
		☐					
		☐					

	APPLICATION FOR EXTENSION OF ESCC QUALIFICATION APPROVAL		Page 6
	Component title: CONNECTORS, ELECTRICAL, RECTANGULAR, MICROMINIATURE, BASED ON TYPE MDM Executive Member: CNES	Date: 30/07/2025	Appl. No. 370B

NOTES ON THE COMPLETION OF THE APPLICATION FORM FOR ESCC QUALIFICATION EXTENSION APPROVAL

ENTRIES

Form heading 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.

Box 1 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.

Box 2; 3 and 4 As per QPL entry; otherwise, an explanation of the changes must be supplied.

Box 5 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.

Box 6 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.

Box 7 Must reference the report(s) supplied in support of the application.

Box 8 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.

Box 9 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.

Box 10 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.

Box 11 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.

Box 12 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.

Box 13 Enter only the name of the Executive Member (i.e., CNES, DLR, ESTEC, etc.) and the signature of the responsible Executive Coordinator.

Box 14 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.

Box 15 Fill in Table as requested.

Box 16 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.

Box 17 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.

Box 18 Fill in Table as requested.

Box 19 Confidential Details of PID changes including those of a confidential nature, shall be provided.

Box 20 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'.

Box 21 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.

Box 22 Additional Comments.