

**APPLICATION FOR EXTENSION OF ESCC QUALIFICATION APPROVAL**

Component Title: Power Inductors, Moulded, SMD, based on series SESI & CMC

Executive Member: CNES

Date: 29/01/2026

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Components (including series and families) submitted for Extension of Qualification Approval:

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ESCC COMPONENT NO.	VARIANTS	RANGE OF COMPONENTS	BASED ON	TEST VEHICLE / S	COMPONENT SIMILAR
3201 009 01B 3201 009 02B 3201 009 03B 3201 009 04B	01 to 08 for SESI and 01, 03, 05 for CMC	3.3 µH to 330 µH – variant 01 1.5 µH to 2300 µH – variants 02, 03 6.8 µH to 470 µH – variant 04	SESI 14 SR SESI 15 SR SESI 15 WR SESI 18 WR	320100901 181K - 320100903 120M 320100904 101K	X
3201 009 05B 3201 009 06B 3201 009 07B 3201 009 08B		1 µH to 6800 µH – variant 05 7 µH to 2200 µH – variant 06 4.9 µH to 4700 µH – variants 07, 08	SESI 9.1 WR SESI 22 WR SESI 32 WR SESI 32 PR	320100905 330K 320100906 471K - 320100908 621K	X
3201 010 01B 3201 010 03B 3201 010 05B		52 µH to 4000 µH – variant 01 60 µH to 4900 µH – variant 03 60 µH to 3300 µH – variant 05	CMC 15 WR CMC 18 WR CMC 22 WR	320101001 202 - 320101005 141	X

Component Manufacturer
Exxelia SAS

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Location of Manufacturing Plant(s)

3

16, Parc d'activités du Beau Vallon
57970 Illange (France)

Date of original qualification approval:

Date: 01/04/2004

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Certificate Ref No. 276

ESCC Specifications used for Maintenance of qualification testing:

Generic: 3201 Issue: 7

Detail(s): 3201/009 Issue: 14
3201/010 5

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Deviations to LVT testing and Detail Specification used:

No Yes (supply details in Box 15)

Deviation from current Specifications:

No Yes (Supply details)

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Qualification Extension Report reference and date:

PV25-09-26_VOQ SESI-CMC.pdf
September 2025
RME-EMISS25D858EXX-02A v0.pdf
July 2025

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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
Livraisons SESI-CMC_octobre 2023 à septembre 2025.pdf				

PID changes since start of qualification

9

None Minor* Major*

*Provide details in box:

19

Current PID Verified by:

CNES

Name of Executive Representative

Ref No: PID N°58 Issue 13 Rev- SESI & CMC

Issue: 13

Date: 01/07/2000

Rev Date: 26/09/2025

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Current Manufacturing facilities surveyed by:

CNES

on

20/07/2023

(Name of Executive Representative)

(Date)

Satisfactory: Yes No ExplainReport Reference: 2023.0011698_ESCC Audit
Report EXXELIA MAGNETICS

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Failure Analysis, DPA, NCCS available: Yes No (Supply data)

Ref. No's and purposes: NCCS 1CEXX202: see box 22
NCCS 2CEXX303: see box 22

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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: 29/01/2026

 Signature numérique
de Fontaine Lya L. FONTAINE
Date : 2026.01.29
14:59:29 +01'00' (Signature of the Executive Coordinator)

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Continuation of Boxes above:



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Non compliance to ESCC requirements:

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No.:	Specification	Paragraph	Non compliance

Additional tasks required to achieve full compliance for ESCC qualification or rationale for acceptability of noncompliance:

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Executive Manager Disposition

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Application Approval: Yes No

Action / Remarks:

Date: 27/02/2026

A. Zadeh: Head of the Avionics and EEE Division



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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 3201 generic specification; Chart V (for ESCC/QPL parts);
- Or PID-TFD (for ESCC/QML parts)

Tests vehicle identification/description:

ESCC 320100901 181K	MS06608A	DC2508
ESCC 320100903 120M	MS07816NGA	DC2502
ESCC 320100904 101K	MS05946A	DC2503
ESCC 320100905 330K	MS07884NGA	DC2503
ESCC 320100906 471K	MS07864HTA	DC2510
ESCC 320100908 621K	MS0C176NG-	DC2506
ESCC 320101001 202	MS09631HTA	DC2510
ESCC 320101005 141	MS09641A	DC2508

Detail Specification reference: 3201/009 and 3201/010

Chart F4	Test	Tick when done	Conditions	Date Code	Tested Qty	No. of Rejects	Comments if not performed. Comments on Rejection
Environmental / Mechanical Subgroup (Column 2)	Mechanical Shock (Specified Pulse)	<input checked="" type="checkbox"/>	ESCC 3201, Para. 8.10	2502 2503 2506 2508 2510	2 4 2 4 4	0	
	Vibration	<input checked="" type="checkbox"/>	ESCC 3201, Para. 8.11	2502 2503 2506 2508 2510	2 4 2 4 4	0	
	Immersion	<input type="checkbox"/>	ESCC 3201, Para. 8.12			/	NA
	Moisture Resistance	<input checked="" type="checkbox"/>	ESCC 3201, Para. 8.13	2502 2503 2506 2508 2510	2 4 2 4 4	0	
Environmental / Mechanical Subgroup (Column 1)	Thermal Shock	<input checked="" type="checkbox"/>	ESCC 3201, Para. 8.2	2502 2503 2506 2508 2510	2 4 2 4 4	0	
	Barometric Pressure	<input checked="" type="checkbox"/>	ESCC 3201, Para. 8.6	2502 2503 2506 2508 2510	2 4 2 4 4	0	
	Temperature Rise	<input checked="" type="checkbox"/>	ESCC 3201, Para. 8.7	2502 2503 2506 2508 2510	2 4 2 4 4	0	
	Overload	<input checked="" type="checkbox"/>	ESCC 3201, Para. 8.8	2502 2503 2506 2508 2510	2 4 2 4 4	0	
	Resistance to Soldering Heat	<input checked="" type="checkbox"/>	ESCC 3201, Para. 8.9	2502 2503 2506 2508 2510	2 4 2 4 4	0	
Endurance Subgroup	Operating Life	<input checked="" type="checkbox"/>	ESCC 3201, Para. 8.14	2502 2503 2506 2508 2510	3 6 3 6 6	0	
	Permanence of Marking	<input checked="" type="checkbox"/>	ESCC 3201, Para. 8.15	2502 2503 2506 2508 2510	3 6 3 6 6	0	
Assembly Capability Subgroup	Soledrability	<input checked="" type="checkbox"/>	ESCC 3201, Para. 8.16	2502 2503 2506 2508 2510	1 2 1 2 2	0	
	Terminal Strength	<input checked="" type="checkbox"/>	ESCC 3201, Para. 8.17	2502 2503 2506 2508 2510	1 2 1 2 2	0	

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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.