		APPLICATION FOR EXTENSION OF ESCC QUALIFICATION APPROVAL				Page 1
		Component Title: INDUCTORS, FIXED, RF, MINIATURE, MOULDED, SURFACE MOUNT, BASED ON SERIES MSCI 10k, 12k, 20k and H01 Executive Member: CNES Date: 20/07/2020				Appl. No. 241K
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	
3201 008 01B 3201 008 02B 3201 008 03B 3201 008 04B 3201 008 05B	01 02 03 04 05	See ESCC 3201/008	Series 10K and 12K Series 20K and H01	3201008-01-1L0K, 3201008-01-120K, 3201008-01-102K, 3201008-02-L010K, 3201008-02-100J, 3201008-02-101K, 3201008-04-L12K, 3201008-04-101K, 3201008-05-120L	All other values in the range	
Component Manufacturer 2		Location of Manufacturing Plant(s) 3		Date of original qualification approval: 4		
Exxelia SAS		13, Parc d'activités du Beau Vallon, F-57110 Illange		Date: 01/04/1997 Certificate Ref No. 241		
ESCC Specifications used for Maintenance of qualification testing: 5		Deviations to LVT testing and Detail Specification used: 6		Qualification Extension Report reference and date: 7		
Generic: 3201 Issue: 7 Detail(s): 3201/008 Issue: 7		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)		PV20-05-29J VOQ MSCI 05/2020		
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 MSCI DC 18-43 à 20-22.xls						
PID changes since start of qualification 9		Current PID Verified by: 10				
None <input type="checkbox"/> Minor* <input checked="" type="checkbox"/> Major* <input type="checkbox"/> *Provide details in box:		C. Doucet, CNES Name of Agency Representative Ref No: PID n°41 Issue 4 Rev B MSCI inductors Issue: 4 Date: 14/09/2017 Rev Date: 15/07/2020				
Current Manufacturing facilities surveyed by: 11		B. Marty, C. Doucet, CNES on 12/07/2017 F. Martinez, D. Lacombe, S. Hernandez, ESA (Name of Agency Representative) (Date)				
Satisfactory: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Explain						
Report Reference: <u>ESCC-AUD-EXM2017-1</u>						



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

Ref. No's and purposes:

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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: 23/07/2020

JP. BUSSENOT
(Signature of the Executive Coordinator)

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Continuation of Boxes above:

Box 9 : Updating



APPLICATION FOR EXTENSION OF ESCC QUALIFICATION APPROVAL

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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:

 Digitally signed
by Britta Schade
Date: 2020.08.28
11:22:12 +02'00'
B. Schade: Head of the Product Assurance
and Safety Department



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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:

320100801 L010K Date Code 2006	320100804 L12K Date Code 1922
320100801 120K Date Code 2006	320100804 101K Date Code 1948
320100801 102K Date Code 2006	320100804 120L Date Code 1947
320100802 L010K Date Code 1943	
320100802 100J Date Code 1948	
320100802 101K Date Code 1921	

Detail Specification reference: 3201/008 Issue 7

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)	Shock (Specified Pulse)	<input type="checkbox"/>	ESCC 3201, Para 8.10	N/A			N/A
	Vibration	<input type="checkbox"/>	ESCC 3201, Para 8.11	N/A			N/A
	Immersion	<input type="checkbox"/>	ESCC 3201, Para 8.12	N/A			N/A
	Moisture Resistance	<input checked="" type="checkbox"/>	ESCC 3201, Para 8.13	See above	2 x 9	0	
Environmental / Mechanical Subgroup (Column 1)	Thermal Shock	<input checked="" type="checkbox"/>	ESCC 3201, Para 8.2	See above	2 x 9	0	
	Barometric Pressure	<input checked="" type="checkbox"/>	ESCC 3201, Para 8.6	See above	2 x 9	0	
	Temperature Rise	<input checked="" type="checkbox"/>	ESCC 3201, Para. 8.7	See above	2 x 9	0	
	Overload	<input checked="" type="checkbox"/>	ESCC 3201, Para. 8.8	See above	2 x 9	0	
	Resistance to Soldering Heat	<input checked="" type="checkbox"/>	ESCC 3201, Para. 8.9	See above	2 x 9	0	
Endurance Subgroup	Operating Life	<input checked="" type="checkbox"/>	ESCC 3201, Para. 8.14	See above	3 x 9	0	
	Permanence of Marking	<input checked="" type="checkbox"/>	ESCC 3201, Para. 8.15	See above	3 x 9	0	
Assembly Capability	Solderability	<input checked="" type="checkbox"/>	ESCC 3201, Para. 8.16	See above	9	0	
	Terminal Strength	<input checked="" type="checkbox"/>	ESCC 3201, Para. 8.17	See above	9	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.