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	APPLICATION FOR EXTENSION OF ESCC QUALIFICATION APPROVAL						
E	SCC C	Component Title: C	Appl. No.				
	E	Executive Member:	323F				
Components (including	ng series and families) s	submitted for Extension	of Qualification	Approval:		1	
ESCC COMPONENT NO.	VARIANTS	RANGE OF COM	RANGE OF COMPONENTS BASED ON TEST VEHICLE / S				
3009/003 3009/004 3009/005	06 06 06	All values 16V to 100	All values 16V to 100V CEC2 02S 3009003066800JC CEC4 02S 3009004061002KC CEC6 02S				
3009/006 3009/022 3009/037	06 06 06 -	All values 16V to 100V CEC7 02S CEC12 02S CEC14 02S 300900706065622FA CEC14 02S 3009037061000KC 3009037065600JC					
3009/040	01 to 06	All values 16V to 100	All values 16V to 100V				
3009/042 3009/040	06 13	All values 10V to 50V	V	CEC19 02S CEC19 04S			
Component Ma	anufacturer 2	Location of Ma	nufacturing Plan	t(s) 3		4	
EXXELIA SAS		EXXELIA 1, rue des Temps Mo 77600 CHANTELOU FRANCE			Date of original qualification approve Date: 24/10/2012 Certificate Ref No. 323	ıl:	
Maintenance of quali Generic: 3009 Detail(s): 3009/003 3009/004 3009/005 3009/027 3009/037 3009/040	15) CEC4-02 S 10nF ±10% 50V MG31323110 CEC7 02 S 56.2nF +-1% 25V MG3132207				00521 230875 i.A 700413 230240 i.A 0100080 230729 i.A 200321 230723 i.A		
0			attation and a state of the co			8	
Project Name	Testing Level	LAT		upport of this ap Date code	plication (those to ESCC listed first) Quantity Deliv	ered	
ALTER TECHNOLOGY TUV APCON AEROSPACE & DEFENCE DA DESIGN OON LTD SWEDIGH HISTITUTE OF SPACE PHYSICS SYRLINKS TERMA A'S TESAT-SPACECOM GMBH UND CO'XE TAN WELLKING FLECTRONIC HK LTD	-	-			Total 8882 parts		
PID changes since st	tart of qualification	9	Current PID	Verified by:	CNES	10	
None ⊠			Name of Excutive Representative			е	
Minor* □			Ref No:	PID 623.03.390			
Major* □	*Provide details in box:	x: Issue: Rev L Date: 19 Rev Date: 01/07/2023				02/06/2021	
Current Manufacturing facilities surveyed by: ESA & CNES on 13/10/2023						11	
		(Name	e of Executive Re	epresentative)	(Date)	
Satisfactory:	Yes ⊠	No □ Exp	plain	,			
Report Reference:	2023.0016237 ESCC EXXELIA Chanteloup						



Component title: Capacitors, Ceramic, Chip, Type I, sizes 0402 to 2220

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

Executive Member:

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: 31/07/2025

Signature numérique de Fontaine Lya Date : 2025.07.31 11:36:22 +02'00'

Lya Fontaine

31/07/2025

Date:

(Signature of the Executive Coordinator)

Continuation of Boxes above:

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Style	Detail Spec.	Model	Varia	nts	Capacitance Range (pF)	Rated Volt. (V)	Tolerance (pF
0805	3009/003	CEC2 02S	06	02	1 to 2 700	16	< 10pF
	3009/040	CEC2 04S			1 to 2 200	25	0.25 - 0.5 - 1
					1 to 1 800	50	(pF)
					1 to 1 200	100	" ,
1210	3009/004	CEC4 02S	06	04	10 to 15 000	16	≥ 10pF
	3009/040	CEC4 04S			10 to 12 000	25	1, 2, 5, 10 (%)
					10 to 12 000	50	
					10 to 6 800	100	
1812	3009/005	CEC6 02S	06	05	100 to 33 000	16	
	3009/040	CEC6 04S			100 to 27 000	25	
					100 to 22 000	50	
					100 to 12 000	100	
2220	3009/006	CEC7 02S	06	06	470 to 68 000	16	
	3009/040	CEC7 04S			470 to 56 000	25	
					470 to 47 000	50	
					470 to 27 000	100	
1206	3009/022	CEC12 02S	06	03	1 to 6 800	16	
	3009/040	CEC12 04S			1 to 5 600	25	
					1 to 5 600	50	
					1 to 3 900	100	
0603	3009/037	CEC14 02S	06	01	1 to 1 000	16	
	3009/040	CEC14 04S			1 to 680	25	
					1 to 560	50	
					1 to 330	100	
0402	3009/042	CEC19 02S	06	13	1 to 330	10	
	3009/040	CEC19 04S			1 to 120	16	
					1 to 100	25	
					1 to 82	50	

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Non com	pliance to ESCC requirements:			15
No.:	Specification	Paragraph	Non compliance	
A 1 1111				
noncomp	i tasks required to achieve full compliance for liance:	ESCC qualification or rationale for acceptability	of	16
Executive	Manager Disposition			17
A Ii 4i .	an Announced a Very V. No. 17			
Application / R	on Approval: Yes X No Demarks:			
ACION / N	emarks.			
			Al. Zadh	
Date:	30 August 2025		Alli Caarm	
Date.	00 / Mgd3t 2020		A. Zadeh: Head of the Avionics and EEE Di	vision



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Date: 31/07/2025 Executive Member: **CNES**

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

Tests conducted in compliance with:

ESCC 3009 generic specification; Chart V (for ESCC/QPL parts);
Or PID-TFD (for ESCC/QML parts)

Tests vehicle identification/description:

CEC2 02S 680pF 5% 50V	3009003066800JC	DC2335
CEC4 02 S 10nF 5% 50V	3009004061002KC	DC2346
CEC7 02 S 56.2nF 1% 25V	3009006065622FA	DC2316
CEC14 02 S 100pF 10% 50V	3009037061000KC	DC2346
CEC14 02 S 560pF 5% 50V	3009037065600JC	DC2339
CEC14 04 S 47pF 5% 50V	300901001470JC	DC2348

Detail Specification reference: 3009/004/005/006/037/040, EFD 703.06.390 issue D

Chart F4	Test	Tick when done	Conditions	Date Code	Tested Qty	No. of Rejects	Comments if not performed. Comments on Rejection
dr	Mounting	⊠	IEC 60384-1, 4.33	2335 2346 2316 2346 2339 2348	20 20 20 20 20 20 20	0	
Environmental / Mechanical Subgroup	Rapid Change of Temperature	⊠	IEC 60068-2-14	2335 2346 2316 2346 2339 2348	20 20 20 20 20 20 20	0	
ironmental / Mec	Steady State Humidity	⊠	ESCC 3009, Para. 8.2	2335 2346 2316 2346 2339 2348	20 20 20 20 20 20 20	0	
П	Visual Inspection	⊠	ESCC 3009, Para. 8.5	2335 2346 2316 2346 2339 2348	20 20 20 20 20 20 20	0	
Subgroup	Mounting	⊠	IEC 60384-1, 4.33	2335 2346 2316 2346 2339 2348	10 10 20 10 10	0	
Endurance Subgroup	Operating Life	⊠	ESCC 3009, Para. 8.9	2335 2346 2316 2346 2339 2348	10 10 20 10 10	0	1 000Н

		ı					T
C	Mounting	⊠	IEC 60384-1, 4.33	2335 2346 2316 2346 2339 2348	3 3 6 3 3 3	0	
Electrical Subgroup	Capacitance- Temperature Characteristics	×	ESCC 3009, Para. 8.10	2335 2346 2316 2346 2339 2348	3 3 6 3 3 3	0	
当	Robustness of Terminations	⊠	ESCC 3009, Para. 8.7	2335 2346 2316 2346 2339 2348	3 3 6 3 3 3	0	
o. Subgroup	Solderability	⊠	IEC 60068-2-58	2335 2346 2316 2346 2339 2348	3 3 6 3 3 3	0	
Ass. / Capab. Subgroup	Permanence of Marking		ESCC 24800	2335 2346 2316 2346 2339 2348	3 3 6 3 3	0	



Box 22

Additional Comments.

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

	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.