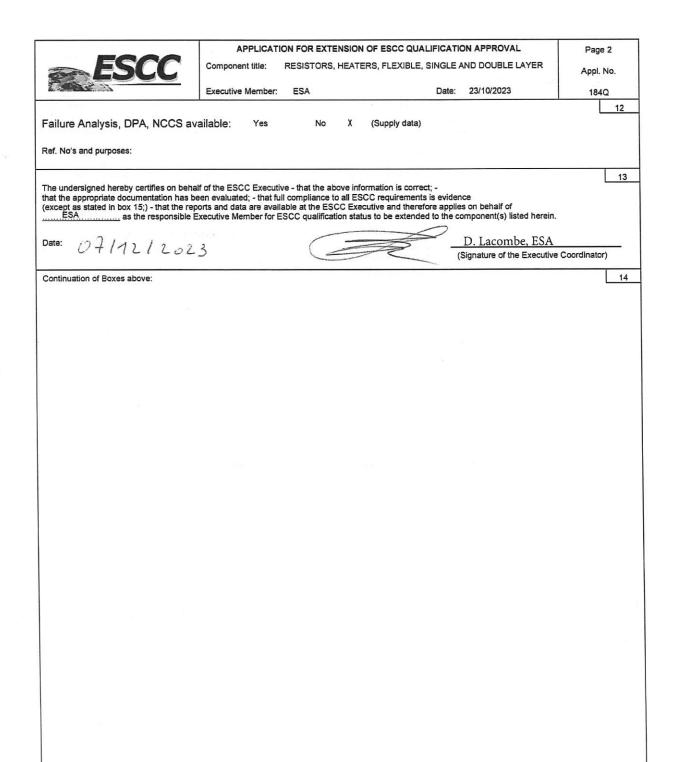


		APPLICATION FOR EXTENSION OF ESCC QUALIFICATION APPROVAL Page 1									
E	SCC	Component Title: RESISTORS, HEATERS, FLEXIBLE				E, SI	NGLE AND DOUBLE LAY	ER	Appl. No.		
		Executive Member: ESA				Date: 23/10/2023			184Q		
Components (includi	ng series and families)	submitted f	for Extensio	n of Qualif	ication	Approval:				1	
ESCC COMPONENT NO.	VARIANTS	RANGE OF COMPONENTS			гѕ	BASED ON				COMPONENT SIMILAR	
4009002xxRyyyy	01 thru 48	As per s	and PID, Ryyyy   -					ther variants			
						İ		400900228 R4004	Allo	ther variants	
	24.76					ĺ		400900204 R3987	Allo	ther variants	
Component Ma IRCA Spa	Location of Manufacturing Plant(s) 3 Via Podgora 26, 31029 Vittorio Veneto, Treviso, Italy			Date of original qualification approval: Date: 01/04/1992							
								Certificate Ref No. 184			
ESCC Specifications Maintenance of qualit Generic: 4009  Detail(s) 4009/000	fication testing: Issue: 07	Deviations to LVT testing and Detail Specification used:  No X Yes (supply details in Box 15)  Deviation from current Specifications:  No X Yes (Supply details)			Qualification Extension Report reference and date:  EF.AST.P.0354/23 18/09/2023  EF.AST.P.0355/23 18/09/2023  EF.AST.P.0356/23 18/09/2023  EF.AST.P.0357/23 18/09/2023						
		results durin		alidity perio			plicati	on (those to ESCC listed		8	
Project Name	Testing Level		LAT			Date code		Quantit	y Deliv	ered	
PID changes since sta	art of qualification		9	Current by:	PID V	Verified S. Hernandez, ESA				10	
None □ Minor* □				Ref No:		Name of Excutive Representative Rica PID 5.34.16					
( <del></del>	Provide details in box: See box 22				3		Date:				
Current Manufacturing facilities surveyed by:  (Name				S. Hernandez, ESA of Executive Representative)				/06/20: (Date)	23		
Satisfactory:  Report Reference:	Yes 🗷	No RP-2023-00	•	<del>"</del>							



ESCO	7
CAL	_

Component title: RESISTORS, HEATERS, FLEXIBLE, SINGLE AND DOUBLE LAYER

Page 3 Appl. No.

CAR		Executive Memb	er: ESA	Date:	23/10/2023	184Q
Non compliance to E	SCC requirements:					15
No.:	Specification		Paragraph		Non compli	ance
Additional tasks require	red to achieve full con	npliance for ESCC	qualification or rationale for a	cceptability of		16
•						
xecutive Manager Dis	position					
Application Approval: action / Remarks:	Yes <u>t</u> Ne	o 🗆				17
ate:					de: Head of the Produ	ct Assurance



Component Title: RESISTORS, HEATERS, FLEXIBLE, SINGLE AND DOUBLE LAYER

Appl. No.

Date: 23/10/2023 Executive Member:

184Q

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

Tests conducted in compliance with:

- ESCC 4009 generic specification; Chart F4 (for ESCC/QPL parts); Or PID-TFD 5.34.16 rev.31 (for ESCC/QML parts)

Tests vehicle identification/description:

	Etched foil heater	R3999; R4000; R3987; R4004		
6.5				

Detail Specification reference:

ESCC 4009/002

Chart F4	Test	Tick when done	Conditions	Date Code	Tested Qty	N° of Rejects	Comments if not performed. Comments on Rejection
Environmental/ Mechanical Subgroup	Robustness of Terminations	x	IEC 60068-2-21	2323A 2324A 2324A 2323A	5 5 5 10	0	None
	Climatic Sequence	х	ESCC 4009, Para. 8.7	2323A 2324A 2324A 2323A	5 5 5 10	0	None
	External Visual Inspection	х	ESCC 20500	2323A 2324A 2324A 2323A	5 5 5 10	0	None
Endurance Subgroup	Operating Life	х	ESCC 4009, Para. 8.8	2323A 2324A 2324A 2323A	5 5 5 10	0	None
	External Visual Inspection	x	ESCC 20500	2323A 2324A 2324A 2323A	5 5 5 10	0	None
	Permanence of marking	x	ESCC 24800	2323A 2324A 2324A 2323A	5 5 5 10	0	None
Additional							



Component title: RESISTORS, HEATERS, FLEXIBLE, SINGLE AND DOUBLE LAYER

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Executive Member: ESA Date: 23/10/2023

184Q

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

	10.12 St. 112 St. 112 APPLICATION FOR IN FOR ESCE 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.	