

Component Title:

INDUCTORS, FIXED, RF, MINIATURE, MOULDED, SURFACE MOUNT, BASED ON SERIES MSCI 10k, 12k, 20k and H01

Appl. No.

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		Ex	ecutive Memb	er:	CNE	S			D	ate: 01/10/2014		241	G
Components (includi	ing series and famil	ies) su	bmitted for Ex	tensio	n of Q	ualification	Approval	:					1
ESCC COMPONENT NO.	VARIANTS		RANGE OF COMPONENTS			NENTS	BASED ON)	TEST VEHICLE / S		COMPONE	
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 a 12K Series 20K a HO1			3201002-02B-102K		ther values i	n the				
Component M	anufacturer		Lagation	5 14-			(2)	Τ.					Τ.
Component Manufacturer Microspire			Location of Manufacturing Plant(s) 3 13, Parc d'activités du Beau Vallon, F-57110 Illange				Date of original qualification approval: Date: 01/04/1997 Certificate Ref No. 241						
ESCC Specifications Maintenance of quali Generic: 3201 Detail(s): 3201/00	fication testing: Issue: 4	5	Deviation from	Yes		(supply d 15)	etails in E		refere MSC	fication Extension Report ence and date: I VOQ test report n° 14-00 1/2014			7
Summary of procurer Project Name	ment or equivalent to		ults during cu		alidity		pport of t		plicatio	n (those to ESCC listed fi Quantity		red	8
CF. MSCI deliveries from july 2012 to june 2014													
PID changes since st None □ Minor* ⊠ Major* □	art of qualification *Provide details in	box:		9			į			CNES ame of Excutive Represent I inductors Date:		01/10/2014	10
Current Manufacturing	g facilities surveyed	l by:				Date: 0	3/07/201 S	4	on	21/	07/201	0	11
				(Name	e of Ex	cecutive Re	presentat	ive)		,	(Date)		
Satisfactory: Report Reference:	Yes ⊠ QCS/LB/1007 close out repo DCT/AQ/CQ/2 20/12/2010	01 date	ESCHARI CONTRA	Exp	plain								

ESCC

APPLICATION FOR EXTENSION OF ESCC QUALIFICATION APPROVAL

Component title:

INDUCTORS, FIXED, RF, MINIATURE, MOULDED, SURFACE MOUNT, BASED ON SERIES MSCI 10k, 12k, 20k and H01

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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:

02/10/2014

P.I. Philippe LAY (Head of Components and Qualification Section) for JP.BUSSENOT

(Signature of the Executive Coordinator)

Continuation of Boxes above:

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ESCC

APPLICATION FOR EXTENSION OF ESCC QUALIFICATION APPROVAL

Component title:

INDUCTORS, FIXED, RF, MINIATURE, MOULDED, SURFACE MOUNT, BASED ON SERIES MSCI 10k, 12k, 20k and H01

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		L'ACCULIVE METIL	er. CNES	Date. 01/10/2014	241G
Non com	pliance to ESCC requirements:				15
No.:	Specification		Paragraph	Nonco	malianas
140.,	Specification		Paragraph	Non cor	mpliance
	1				
				k	
	1				
	1				
	1			1	
	1				
Additiona	I tasks required to achieve full co	mpliance for ESCC	qualification or rationale for acceptability	of	16
noncomp	nance:				10
Executive	Manager Disposition		12	111111111111111111111111111111111111111	
					17
Applicatio	n Approval: Yes 🖂 I	No []			
Action / R	emarks:				
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				() /	. M
				V 12	00
					1.50
Date:					
				Signature, ESA Represe	entative
					co. sweeters



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CNES Executive Member:

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

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:

3201008-01B-L068K	3201002-02B-102K	
3201008-05B-4L6L	3201008-04B821K	

Detail Specification reference:

3201/008 Issue 5

Chart V	Test	Tick when done	Conditions	Date Code	Tested Qty	No. of Rejects	Comments if not performed. Comments on Rejection
Environmental / Mechanical Subgroup (Column 1)	Shock (Specified Pulse)	\boxtimes	MIL-STD-202	N/A			Not performed according detail specification. (4.2.5: deviation from Chart V)
	Vibration	×	MIL-STD-202	N/A			Not performed according detail specification. (4.2.5: deviation from Chart V)
chani (C	Moisture Resistance	\bowtie	MIL-STD-202	1416	12	0	
Me	External Visual Inspection	\boxtimes	ESCC 20500	1416	12	0	
-	Thermal Shock	×	MIL-STD-202	1416	12	0	
ianica 1.2)	Barometric Pressure	\boxtimes	MIL-STD-202	1416	12	0	
Mech	Temperature Rise	\boxtimes	ESCC 3201, Para. 9.9	1416	12	0	
Environmental / Mechanical Subgroup (Column 2)	Overload	×	ESCC 3201, Para. 9.10	1416	12	0	
	Electrical Measurements at Room Temperature	×	ESCC 3201, Para. 9.3.4	1416	12	0	
Ē	External Visual Inspection	×	ESCC 20500	1416	12	0	
	Operating Life	×	ESCC 3201, Para. 9.19.2	1416	40	0	
Endurance	Electrical Measurements during Endurance Testing	×	ESCC 3201, Para. 9.3.5	1416	40	0	
	External Visual Inspection	×	ESCC 20500	1416	40	0	
bgroup cal nents)	Electrical Measurements at High and Low Temperatures	×	ESCC 3201, Para. 9.3.3	1416	12	0	
Electrical Subgroup (Electrical Measurements)	Electrical Measurements at Room Temperature	×	ESCC 3201, Para. 9.3.4	1416	12	0	
Ele S	External Visual Inspection	Ø	ESCC 20500	1416	12	0	



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Chart V	Test	Tick when done	Conditions	Date Code	Tested Qty	No. of Rejects	Comments if not performed. Comments on Rejection
	Solderability	×	MIL-STD-202	1416	8	0	
group Capal ssts)	Permanence of Marking	×	ESCC 24800	1416	8	0	
Electrical Subgroup (Ass. / Capab. Tests)	Terminal Strength	×	ESCC 3201, Para. 9.12	1416	8	0	
<u>la</u>							
Additional							3248
A							



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

Component title:

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