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Supply S	2007

#### APPLICATION FOR EXTENSION OF ESCC QUALIFICATION APPROVAL

Component Title:

CONNECTORS,RF, COAXIAL, SOLDER AND CRIMP CONTACTS, MALE, FEMALE ADAPTORS AND CONNECTING PIECES,BASED ON TYPE SMA 2.9

Appl. No.

Page 1

TARK		Executive Member:	CNES		Date: 09/01/2047 20 11	283E		
Components (include	ding series and familie	s) submitted for Extension	n of Qualification	Approval:		1		
ESCC COMPONENT NO.	VARIANTS	RANGE OF CO	MPONENTS	BASED	TEST VEHICLE / S	COMPONENT SIMILAR		
3402/021	01 to 05 & 07	Frequency Range 0	-40GHz, 50	SMA 2.9	340202101B301 340202105B301			
3402/022	01 to 05	Solder-type contact semi-rigid cables, co			340202201B301 340202205B301			
3402/023	01 to 06	Shell material and fi amagnetic stainless Operating Tempera -65 to +165	steel.		340202301B301 340202305B301			
Component N	Manufacturer	2 Location of Ma RADIALL (Usine de L'Isle d'A Z.I. Chesnes Tharal 38295 Saint Quenti	bie- BP 709		Date of original qualification ap Date: 01/12/2007 Certificate Ref No. 283	pproval:		
ESCC Specification Maintenance of qua Generic: 3402  Detail(s): 3402/02  3402/022 Issue 4 3402/023 Issue 5	alification testing:  Issue 2 :  D21 Issue 4 :	used: No ⊠ Yes	used:  No   Yes   (supply details in Box 15)  Deviation from current Specifications:			Qualification Extension Report reference and date: PV n° 2017.36.5089, 22/11/2017		
Summary of procur	rement or equivalent te	est results during current	validity period in s	upport of this a	oplication (those to ESCC listed f	irst)		
Project Name See PID	Testing Lev	vel LAT		Date code	Quantity	Delivered		
PID changes since	start of qualification	9	Current PID	Verified by:	Sauveplane Jean-baptist	e 10		
None  Minor*  Major*	*Provide details in t	box:	Ref No: Issue: Rev Date:	PAQP-A 0014 9 27/11/2017	Name of Excutive Repress (F)			
Current Manufactu	iring facilities surveyed		Sauveplane Jean		on 01/06/2017	(Date)		
Satisfactory:	Yes ⊠	No 🗆 E	xplain					
Report Reference:	_CRIM_101890	03_Radiall	+RADIA	-AUD-2	012 ( DES /LB/12	(1070		

## APPLICATION FOR EXTENSION OF ESCC QUALIFICATION APPROVAL Page 2 CONNECTORS,RF, COAXIAL, SOLDER AND CRIMP CONTACTS, MALE, FEMALE ADAPTORS AND CONNECTING PIECES,BASED ON TYPE SMA 2.9 Component title: Appl. No. Executive Member: CNES Date: 09/01/2847 2018 283E 12 Failure Analysis, DPA, NCCS available: Yes No $\boxtimes$ (Supply data) Ref. No's and purposes: 13 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. 17/01/2018 JP. BUSSENOT (Signature of the Executive Coordinator) Continuation of Boxes above: 14

# ESCC

### APPLICATION FOR EXTENSION OF ESCC QUALIFICATION APPROVAL

Page 3

Component title:

CONNECTORS,RF, COAXIAL, SOLDER AND CRIMP CONTACTS, MALE, FEMALE ADAPTORS AND CONNECTING PIECES,BASED ON TYPE SMA 2.9

Appl. No.

Evenutive Member:

CNIEC

te: 09/01/2017 201

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		LACCULIVE	Melliber. ONLO	Date.	00/0 //2007	203E
Non compl	iance to ESCC requirements:					15
No.:	Specification		Paragraph		Non compliance	
Additional	tasks required to achieve full co	ampliance for	ESCC qualification or rationale for acceptability	of		16
noncompii	ance:					
	Manager Disposition	No 🗆				17
Action / Re				C	2.4 SV	7
Date:				Sign	nature, ESA Representative	<del></del> 8.

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#### APPLICATION FOR EXTENSION OF ESCC QUALIFICATION APPROVAL

Component Title:

CONNECTORS,RF, COAXIAL, SOLDER AND CRIMP CONTACTS, MALE, FEMALE ADAPTORS AND CONNECTING PIECES,BASED ON TYPE SMA 2.9

Executive Member: CNES

Page 4

Appl. No. 283E

18

Date: 09/01/2017 7 01 8

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

Tests conducted in compliance with:

ESCC 3402 generic specification; Chart V (for ESCC/QPL parts); Or PID-TFD (for ESCC/QML parts)

Tests vehicle identification/description:

340202101B301 340202105B301	340202201B301 340202205B301		
340202301B301 340202305B301			

Detail Specification reference:

3402/021/022/023

Chart V	Test	Tick when done	Conditions	Date Code	Tested Qty	No. of Rejects	Comments if not performed. Comments on Rejection
Environmental / Mechanical Subgroup	Contact Resistance	$\boxtimes$	ESCC 3402, Para. 9.9	1724	8	0	
	Corrosion	$\boxtimes$	IEC 68-2-11	1724	4	0	
	Vibration	⊠	IEC 68-2-6	1724	4	0	
chanic	Rapid Change of Temperature	$\boxtimes$	IEC 68-2-14	1724	4	0	
Me / Me	Permanence of Marking		ESCC 24800				N.A.
ımenta	Cable Retention Force		ESCC 3402, Para. 9.14	1724	6	0	
iviror	Endurance	$\boxtimes$	ESCC 3402, Para. 9.18	1724	8	0	
ភ	Seal Test		ESCC 3402, Para. 9.7				N.A.
ance	Cabling and Crimping Capability	$\boxtimes$	ESCC 3402, Para. 9.15	1724	4	0	
	VSWR	$\boxtimes$	ESCC 3402, Para. 9.16	1724	4	0	
d di	RF Insertion Loss	$\boxtimes$	ESCC 3402, Para. 9.19	1724	4	0	
Electrical and Endurance Subgroup	Coupling Proof Torque	×	IEC 410	1724	8	0	
rrical S	Contact Resistance	$\boxtimes$	ESCC 3402, Para. 9.9	1724	8	0	
Elec	Seal Test		ESCC 3402, Para. 9.7				N.A.
	Plating Thickness (Hermetic)		ESCC 3402, Para. 9.29				N.A.
國							
Additional Tests							
ğ							



Box 22

Additional Comments.

### APPLICATION FOR EXTENSION OF ESCC QUALIFICATION APPROVAL

Component title:

CONNECTORS,RF, COAXIAL, SOLDER AND CRIMP CONTACTS, MALE, FEMALE ADAPTORS AND CONNECTING PIECES,BASED ON TYPE SMA 2.9

Date: 09/01/2017

Executive Member:

Page 6 Appl. No.

283E

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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.