

Component Title:

CONNECTORS, ELECTRICAL, CRIMP CONTACTS, Z-AXIS INTERPOSER, PRINTED CIRCUIT BOARD, BASED ON TYPE RX

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Appl. No.

	1		_	Executive Me	mber:	CNES				Date:	13/12/20	23	281	Н
Componer	nts (including	series and	families	submitted for	Extension	n of Qua	alification	n Approval:						1
ESC COMPO NO	NENT	VARIA	NTS	RANG	RANGE OF CO			MPONENTS BASED ON)	TEST VEHICLE	/S	COMPONE SIMILAR	
					Parts	used fo	or the re	conduction	test					
3401	076				gn envelor e 1(a) of E				RX	34	0107601BR 55FF078			
		- 2		T				cts - Catalo	g Dat	ta				
3401 076		01		All design Table 1(a) Specificati Max. numl Max. numl	of ESCC on are qui ber of row	Detail alified s 11		RX						
				Locking ar -Through h -M2 studs washers -Locating p Rated curr	noles only with locking oins not a	ng nuts vailable	and							
				Total conta 0.1 to 0.65 Compress contact Torque for	mm per o	contact 1.6N pe	er	1						
				Operating -55 to +12		ture Rar	nge (°C):	:						
Com	ponent Manu	ıfacturer	1 2		tion of Ma	anufactu	ırino Pla	nt(s)	3					4
Smiths inte	erconnect			31 rue Isid 76410 Saii			uf			Date of or Date: Certificate	iginal qualifi 15/08/ Ref No.		oval:	
			5						6					7
	cifications us ce of qualifica 3401 3401076		5 2	Deviations used: No ⊠ Deviation f No ⊠	Yes		(supply 15) cification	I Specificati details in E s: y details)		reference	on Extension and date: 342 of 31/5/			
														8
and the same of				results during		alidity po	eriod in			plication (the			Samuel Control of the	
	t Name	Testir	ng Level		LAT			Date code				Quantity De	elivered	
See append	uix													
								27						
PID change	es since start	of qualifica	tion		9	Curre	ent PID	Verified by	:		F. Nouals	i		10
None								erestores disconstitution		Name	of Excutive I		tive	
Minor*						Ref N	No:	P.I.D CDC	N° 43	3				
Major*		rouido doto	ilo io bo:			Issue) :	V				Date: 27/11/20		
	٦	rovide deta	iis iii DOX			Revi	Date:	24/10/202	3			23		
									->-					T

Current Manufacturing	facilitie	s surveyed by		F	. Nouals, CNES	on	18/09/2021	
					(Name of Executive Representative)	-	(Date)	
Satisfactory:	Yes	⊠	No		Explain			
Report Reference:	10401	93			-			

er service	ESCC
THE WAY	2

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100		Executive Membe	r: CNES	Date: 13/12/2023	281H
Non com	pliance to ESCC requirements:				15
No.:	Specification		Paragraph	Non compliance	
Additional noncompli	tasks required to achieve full co	ompliance for ESCC q	ualification or rationale for acceptabilit	ly of	16
Executive	Manager Disposition				17
Application / Re		No □			
ate:				3. DM B.Schade: Head of the Product Ass	– urance

and Safety Department

ESCC

APPLICATION FOR EXTENSION OF ESCC QUALIFICATION APPROVAL

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CNES

Date: 13/12/2023

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ailure Analy	ysis, DPA,	NCCS availa	ıble: Ye	s 🗆	No	\boxtimes	(Supply data)		
ef. No's and p	urposes:								
71. 110 0 dila p									
e undersigne	d hereby cert	tifies on behalf of	the ESCC Exe	cutive - t	hat the abo	ove info	rmation is correct; -		1
at the appropr	riate docume	ntation has been - that the reports	evaluated; - tha and data are a	at full con vailable	npliance to at the ESC	CC Exec	CC requirements is e cutive and therefore a	applies on behalf of	
NES as the re	esponsible Ex	xecutive Member	for ESCC qual	fication s	status to be	e extend	ded to the componer	nt(s) listed herein.	adri
ate: 13/1	2/2023							G. QUADRI, C	NES
								(Signature of the Executive Co	ordinator)
ontinuation of	Boxes above	e:							_ 1



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

Tests conducted in compliance with:

ESCC 3401 generic specification; Chart V (for ESCC/QPL parts); LAT 1 Or PID-TFD (for ESCC/QML parts)

Tests vehicle identification/description:

See document N°335342

PART NUMBER	DATE CODE	LOT	SERIAL NUMBER	Qty	SIMILAR TO STYLE
3401 076 01 B RXA200 55 FF 078A	2307	A	-	5	RXA200 55 FF 078A -3401076

PART NUMBER	DATE	LOT	Qty	SIMILAR TO STYLE	LEVEL	
	CODE				I	П
3401 076 01 B RXA200 55 FF 078A	2307	A	1	RXA200 55 FF 078A	1	
3401 076 01 B RXA200 55 FF 078A	2307	A	1	RXA200 55 FF 078A	2	
3401 076 01 B RXA200 55 FF 078A	2307	A	1	RXA200 55 FF 078A	3	
3401 076 01 B RXA200 55 FF 078A	2307	A	1	RXA200 55 FF 078A		4
3401 076 01 B RXA200 55 FF 078A	2307	A	1	RXA200 55 FF 078A		5

Detail Specification reference:

Type of test	Details	Specification	PASS or FAIL	Page
a	Dry heat		PASS	15
	Damp heat accelerated, 1 st cycle	•		19
Climatic	Cold test	Specification n° 3401, ESCC Detail	20	
sequence	Low air pressure	Specification n°	PASS	21
	Damp heat accelerated, remaining cycles	3401/076	PASS	23
	Final measurements	=	PASS	26
Rapid change	Insulation resistance	Specification n° 3401,	PASS	39
of temperature	Voltage proof	Specification n° 3401/076	PASS	40
	Contact resistance (initial measurement)	ESCC Generic	PASS	45
Endurance	Contact resistance (final measurement)	Specification n° 3401, ESCC Detail	PASS	50
Endurance	Insulation resistance	Specification n° 3401/076	PASS	52
	Voltage proof	3401/0/0	PASS	53



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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.