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Component Title:

CONNECTORS, ELECTRICAL, TRIAXIAL, BAYONE COUPLING, NON-REMOVABLE CRIMP CONTACTS, MIL-STD-1553B DATABUS, BASED ON TYPE ACB1 SERIES

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F. STORY	Executive I	Executive Member: CNES					Date: 12/06/2018			2880	88D	
Components (includ	ing series and familie	s) submitted t	or Extens	ion of Qu	alification	Approval:	i				•	1
ESCC COMPONENT NO.	VARIANTS	RAI				ASED ON		TEST VEHICLE / S		COMPONEN SIMILAR	IT	
3401/079				0	3, 07, 13, 14	, 18						
		3 and 4 Angle w are 770	s 09 to 18: Lugs, Stravith solder MIL-STD shielded p	aight and contact.A)-1553B D	Right							
		Current	y Voltage: (contact):	1A								
		-55 to +	ng Tempe 150	rature Ra	inge (°C):							
Component M AXON' CABLE S.A.	Route	Location of Manufacturing Plant(s) 3 Route de Chalon 51210 Montmirail - France					Date of original qualification approval: Date: 01/05/2009			4		
								Ocranica		288		
	Į.	5	1 200		CONTRACT PROPERTY.		6			idea ex		7
Detail(s): 3401/07	79 Issue: 3		on from cu ⊠ Yes	64.		s: y details)						8
	ement or equivalent to			t validity	period in s			plication (hose to ESC		V nev	
Project Name See appendix	Testing Lev	/el	LAT			Date code	-			Quantity Del	ivered	
See appendix												
								_				
PID changes since s	start of qualification			9 Cur	rent PID	Verified by	r		Nouals Fra	ncois		10
None 🗵	start or quamication		9 Current PID Verified by:					Nam	NW100 1000	Representati	ive	_ 10
Minor* □				Ref	No:	CNES-PI	D-06-A	Axon'				
Major* □	*Provide details in I	box:		Issu Rev	ie: / Date:	Edition 3 -		sion 4		Date:	12/06/2018	
Current Manufacturi	l bv:		No	ouals Fran	ncois		on		12/06/2	2018	11	
		(Name of Executive Re					7.50					
Satisfactory:	Yes ⊠	No	A 6000	Explain		• • • • • • • • • • • • • • • • • • •	ore cold €i.			•		
Report Reference:	MoM Visit cne May 2018	s Axon of 29	and 30									

ESCC

APPLICATION FOR EXTENSION OF ESCC QUALIFICATION APPROVAL

Component title:

CONNECTORS, ELECTRICAL, TRIAXIAL, BAYONE COUPLING, NON-REMOVABLE CRIMP CONTACTS, MIL-STD-1553B DATABUS, BASED ON TYPE ACB1 SERIES

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Executive Member:

CNES

Date: 12/06/2018

288D

									_	·		12
Failure	Analysis,	DPA,	NCCS	available:	Yes		No	⊠	(Supply data)			
Ref. No	s and purpose	es:										
	100											
The und	ersigned here	by certif	fies on be	half of the E	SCC Execu	tive - th	at the abo	ove info	rmation is correct;	•		13
that the	appropriate do as stated in bo	ocument ox 15;) -	tation has	s been evalua reports and o	ated; - that f data are ava	ull com	pliance to t the ESC	all ESC C Exec	CC requirements is utive and therefore	s evidence e applies on behalf (of	
CNES a	s the responsi	ible Exe	cutive Me	ember for ES	SCC qualifica	ation sta	atus to be	extend	ed to the compone	ent(s) listed herein.		
Date:	12/06/2018	8								F.VACHER	. Fin Comme	
										(Signature of	the Executive Coordinator)	
Continua	ation of Boxes	above:	8									14

7	FSCC
-	

Component title:

CONNECTORS, ELECTRICAL, TRIAXIAL, BAYONE COUPLING, NON-REMOVABLE CRIMP CONTACTS, MIL-STD-1553B DATABUS, BASED ON TYPE ACB1 SERIES

Executive Member: CNES Date: 12/06/2018

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Non comp	pliance to ESCC requirements:			15
No.:	Specification	Paragraph	Non compliance	
			8	
Additiona noncomp	Il tasks required to achieve full compliance for	ESCC qualification or rationale for acceptability	of	16
				*
Executive	e Manager Disposition			17
Application / R	on Approval: Yes ☑ No □		Signature, ESA Representative	

Component Title:

CONNECTORS, ELECTRICAL, TRIAXIAL, BAYONE COUPLING, NON-REMOVABLE CRIMP CONTACTS, MIL-STD-1553B DATABUS, BASED ON TYPE ACB1 SERIES

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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);

(for ESCC/QML parts)

Tests vehicle identification/description:

ESCC3401.079.03: Plug bayonet 3 lugs, right angle version for AWG24 twisted shield pair ESCC3401.079.07: Plug bayonet 4 lugs, right angle version for AWG24 twisted shield pair (DC1446) ESCC3401.079.14: Bulkhead jack Bayonet 4 lugs, straight version for AWG24 twisted shield pair (DC1413) ESCC3401.079.13: Bulkhead jack Bayonet 4 lugs, straight version for AWG24 twisted shield ESCC3401.079.18: Bulkhead jack Bayonet 4 lugs, pigtail version (DC1444) pair (DC1413)

Detail Specification reference:

3401/079

Chart V	Test	Tick when done	Conditions	Date Code	Tested Qty	No. of Rejects	Comments if not performed Comments on Rejection
	Wiring	⊠	ESCC 3401 Para. 9.10	1745	3	0	
dnou	Climatic Sequence	×	ESCC 3401 Para. 9.13	1745	3	0	
Environmental and lechanical Subgrou	Permanence of Marking		ESCC 24800				Not applicable
Environmental and Mechanical Subgroup	Corrosion	×	IEC Publication No. 68-2-11	1745	3	0	
Mect	Seal Test		ESCC 3401 Para. 9.9				Not applicable
	Plating Thickness		ESCC 3401 Para. 5.2.3				Not applicable
	Wiring	⊠	ESCC 3401 Para. 9.10	1745	3	0	
sdn	Rapid change of Temperature	⊠	ESCC 3401 Para. 9.16	1745	3	0	
	Contact Retention	⊠	ESCC 3401 Para. 9.17	1745	3	1	One sample was accidentaly damaged during test but It doesn't impact the qualification of the product.
nparc	Maintenance Ageing		ESCC 3401 Para. 9.27				Not applicable
S 8	Endurance	⊠	ESCC 3401 Para. 9.18	1745	3	0	
Endurance Subgroups	Seal Test		ESCC 3401 Para. 9.9				Not applicable
Enc	Joint Stength	⊠	ESCC 3401 Para. 9.15	1745	3	0	
	Engage/Separ. Forces	⊠	ESCC 3401 Para. 9.28	1745	3	0	
	Oversize Pin Exclusion		ESCC 3401 Para. 9.29				Not applicable
	Probe Damage		IEC Publication No. 512-8				Not applicable
ia.	CHARLES TO						
Additional Tests							
Ad.							



Component title:

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Executive Member: CNES

Date: 12/06/2018

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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;
, c	- 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.