APPLICATION FOR ESCC QUALIFICATION APPROVAL Pag										le 1	
E	SCC	on-late	ching, Type G		Appl. No.						
	Executive Member: CNES Date: 22/04/2025						00	2P			
Components (including	g series and families)	submitted for Qualifica	ation Approva	I						1	
ESCC	VARIANTS	RANGE OF C	OMPONENT	S	BASED		TEST		COMPON	ENT	
3601/003	01 / 02 / 04 / 05 / 06	Coil voltage : 12V	, 26.5V		Type GP5		3601 003 04 26V 1	SIMILAR 02 / 04 / 05 / 06 /			
1	/ 09						3601 003 01 26V 1 GP5-037A00-06V-				
							3601 003 01 12V 1 3601 003 04 12V 1				
							3601 003 01 26V 2 3601 003 03 26V 1				
Component Ma	upufacturor		f Monufacturi	ng Plan	x+ 2		SCC Specification used f		lification	4	
LEACH International E	Europe	2 rue Goethe		ng Plan	n <u>5</u>		SCC Specification used in		anncation	4	
		57430 Sarraibe	57430 Sarralbe			Genei Issue	eric: 3601 e 4				
						Detail	/s: 3601/003				
Qualification Report R	eference and date:		5	PID u	used for manuf	Issue acturinc	8 Qualification Lot			6	
RT 1396217 lss.1 – D RT 1360039 lss.0 – D	ate: 12/06/2023 ate: 07/02/2025					440400					
RT 1288356 lss.0 – D RQ 1332599 lss.1 – D	ate: 14/06/2021 Date: 31/08/2022			Rerr	NO: DR	110130	12				
RT_1442055 lss.0 – D RT_1466166 (draft) ls	0ate: 11/07/2024 s.0 Date: 21/02/2024										
				Issue	e: 4						
DID also mare since at			Current	Date	: 06/	09/2022					
None	an or quanneation	1	Current			Name	of Executive Representa	tive		0	
Minor*	(* Details not publishe	ed, provided in	Ref No: [DR 116	1302						
Major* 🛛	confidential annex 2.)		Date 07/0	02/202	5						
					-						
Current Manufacturing	ן facilities surveyed b	<i>I</i> :	10/00/00							9	
(Name of Executive R	esponsible)		(Date))24			_				
2024.0005301 ESCC	Audit Report LEACH	2024	()								
Report Ret	ference										
Satisfactory:	Yes 🛛	No 🗆	Explain								
Quality and Reliability	Data									10	
Evaluation testing per	formed Yes	🛛 No 🗆		F	ailure analysis wailable	, DPA, I	NCCS Yes 🛛	3	No 🗆		
Report Ref. No.: R	T 1325241 lss.1	Date: 16	6/06/2022	(5	supply data)						
Equivalent Data:											
Certification:											
				F	Ref Nos. and pu	urpose:					
					DPA : LEA20	-003 /	ESCC 20533600 & ES	ICC 2	043600		

APPLICATION FOR ESCC QUALIFICATION APPROVAL									
Component Title: Relays, non-latching, Type GP5									
	Executive Member:	CNES	Date:	22/04/2025	002P				
The undersigned hereby certifies on behal that the appropriate documentation has be except as stated in box 13; that the reports given to the component(s) listed herein.	The undersigned hereby certifies on behalf of the ESCC Executive, that the above information is correct; hat the appropriate documentation has been evaluated; that full compliance to all ESCC requirements is evidence except as stated in box 13; that the reports and data are available at the ESCC Executive and therefore applies for ESCC qualification status given to the component(s) listed herein.								
Data: 24/02/2025				I Lya	de Fontaine Lya Date : 2025.04.22 10:33:15 +02'00'				
Date. 24/02/2023			(Signature	of the Executive C	Coordinator)				
Continuation of Boxes above: (Only non-co	onfidential comments)				12				

APPLICATION FOR ESCC QUALIFICATION APPROVAL								Page 3		
D'S CEP	ESCC	Component Title: Relays, non-latching, Type GP5					A			
	And I	Executive Mer	mber:	CNES		[Date:	22/04/2025	002P	
Non compl	iance to ESCC requirements:	I							Ĺ	13
No.:	Specification			Paragraph				Non complianc	е	
Additional t	I tasks required to achieve full cor	npliance for ESC	CC qualifi	ication or rationale	for acceptability	of			[14
noncomplia	ance:								L	14
Executive I	Manager Disposition									15
Application	Approval: Yes 🕱	No 🗆							L	
Action / Re	marks:									
								Digitally	signed by A	li
					A	i Za	de	Zadeh	25.06.02	
Date:					, .			10:51:56	+02'00'	
Date.						A. Zade	eh: hea	ad of the Avionics a	and EEE Divisio	on

	API	PLICATION FOR ESCC QUALIFICATION	APPROVAL		Page	4			
ESCC	Component Title:	Relays, non-latching, Type GP5			Appl. N	0.			
	Executive Member:	CNES	Date:	22/04/2025	002P				
ANNEX 1: LIST OF TESTS DONE TO SUP	PORT QUALIFICATIO	DN				16			
Tests conducted in compliance with:						-			
 ESCC 3601 generic specification; Chart F4 (for ESCC/QPL parts); Or PID-TFD (for ESCC/QML parts) Tests vehicle identification/description: 									
3601 003 03 26V 1 (ref: GP5-900BHA-26 DC: 24-26A)	V-962/]						
3601 003 04 26V 1 (ref: GP5-900AHA-26 DC: 24-51A)	V-964 / 3601 003 DC: 23-16	01 26V 1 (ref: GP5-900A00-26V-964 / 6A)							
ref: GP5-037A00-06V-961 / DC: 21-10A (see Box 3601 003 01 12V 1 (ref: GP5-190A00-12V-860 / DC : 19-47A)									
3601 003 04 12V 1 (ref: GP5-190AHA-12 DC: 19-47A)	V-860 / 3601 003 DC: 19-47	01 26V 2 (ref: GP5-700A00-26V-860 / 7A)							
3601 003 01 26V 1 (ref: GP5-900A00-26V-860 / 3601 003 04 26V 1 (ref: GP5-900AHA-26V-964 / DC: 19-46A) DC: 24-51A)									
Detail Specification reference: 360	01/003		_						

Chart F4	Test	Tick when done	Conditions	Date Code	Tested Qty	No. of Rejects	Comments if not performed. Comments on Rejection
	Thermal Shock	×	MIL-STD-202, Test Method 107	24-51A / 23-16A / 21-10A / 19-47A / 19-46A / 24-51A	6 6 6+4+6 6	0	
Environmental /Mechanical Subgroup (Column 1)	Low Level Sine Vibration	×	MIL-STD-202, Test Method 204	24-51A / 23-16A / 21-10A / 19-47A / 19-46A / 24-51A	6 6 6+4+6 6	0	DC 23-16 : specification update for low level sine vibration, see box 20
	Random Vibration		MIL-STD-202, Test Method 214	24-51A / 23-16A / 21-10A / 19-47A / 19-46A / 24-51A	6 6 6+4+6 6	0	
	Low Level Mechanical Shock	\boxtimes	MIL-STD-202, Test Method 213	24-51A / 23-16A / 21-10A / 19-47A / 19-46A / 24-51A	6 6 6+4+6 6	0	
	Resistance to Soldering Heat	×	MIL-STD-202, Test Method 210	24-51A / 23-16A / 21-10A / 19-47A / 19-46A / 24-51A	6 6 6+4+6 6	0	
	Seal (Fine and Gross Leak)		MIL-STD-202, Test Method 112	24-51A / 23-16A / 21-10A / 19-47A / 19-46A / 24-51A	6 6 6+4+6 6	0	
	External Visual Inspection		ESCC Basic Specification No. 20500	24-51A / 23-16A / 21-10A / 19-47A / 19-46A / 24-51A	6 6 6+4+6 6	0	
e vir on vir	High Level Sine Vibration	\boxtimes	MIL-STD-202, Test Method 204	24-51A / 23-16A /	6 6	0	

	High Level Mechanical Shock	MIL-STD-202, Test Method 213	24-51A / 23-16A / 24-51A	6 6 6	0	
	Seal (Fine and Gross Leak)	MIL-STD-202, Test Method 112	24-51A / 23-16A / 24-51A	6 6 6	0	
	External Visual Inspection	ESCC Basic Specification No. 20500	24-51A / 23-16A / 24-51A	6 6 6		
0 1	Low Level Life	ESCC 3601 Para. 8.11.1	23-16A / 19-47A / 24-51A	3 3 3	0	
Subgroul mn 1)	Inductive Life	ESCC 3601 Para. 8.11.2				Only applicable to relays with Rated Resistive Load Contact Current greater than or equal to 5A.
durance (Colui	Seal (Fine and Gross Leak)	MIL-STD-202, Test Method 112	23-16A / 19-47A / 24-51A	3 3 3	0	
Ш	External Visual Inspection	ESCC Basic Specification No. 20500	23-16A / 19-47A / 24-51A	3 3 3	0	

			APPLICATION FOR ESCC QUALIFICATION APPROVAL							
and a	ESCC	Co	omponent Title: Relay		Appl. No.					
Tan .		- EX	ecutive Member: C	NES	D	ate: 22/04/2025	002P			
								002F		
Tick										
Chart F4	Test	when done	Conditions	Date Code	Tested Qty	No. of Rejects	Comments if no Comments on	t performed. Rejection		
0.7.0	Coil Life	\boxtimes	ESCC 3601 Para. 8.12	23-16A	3	0				
urance group 1 umn 2)	Seal (Fine and Gross Leak)	\boxtimes	MIL-STD-202, Test Method 112	23-16A	3	0				
Co Co	External Visual Inspection		ESCC Basic Specification No. 20500	23-16A	3	0				
up 1	Intermediate Current	\boxtimes	ESCC 3601 Para. 8.13	24-26A 23-16A / 19-47A / 24-51A	3 3 3	0	F4 deviation for 19-47 : low leve and intermediate current are performed to the same SN. It is considered a worst case.			
Subgro umn 3)	Mechanical Life		ESCC 3601 Para. 8.14				Only applicable to re Resistive Load Cont greater than or equa	elays with Rated act Current Il to 5A.		
ndurance (Colt	Seal (Fine and Gross Leak)		MIL-STD-202, Test Method 112	24-26A 23-16A 24-51A	3 3 3	0				
Ē	External Visual Inspection		ESCC Basic Specification No. 20500	24-26A 23-16A 24-51A	3 3 3	0				
group	Resistive Life		ESCC 3601 24-26A 6 0 Para. 8.11.3 23-16A 6 0							
ance Sub 2	Seal (Fine and Gross Leak)		MIL-STD-202, Test Method 112	24-26A 23-16A 24-51A	6 6 6	0				
Endura	External Visual Inspection	\boxtimes	ESCC Basic Specification No. 20500	24-26A 23-16A 24-51A	6 6 6	0				
<u>а</u>	Solderability	\boxtimes	MIL-STD-202, Test Method 208	24-26A 23-16A 24-51A	3 3 3	0				
' Subgrou	Overload	\boxtimes	ESCC 3601 Para. 8.16	24-26A 23-16A 24-51A	3 3 3	0				
Capability	Permanence ofMarking	\boxtimes	ESCC Basic Specification No. 24800	21-10A	3	0				
sembly (Terminal Strength		MIL-STD-202, Test Method 211	24-26A 23-16A 24-51A	3 3 3	0				
As	Seal (Fine and Gross Leak)		MIL-STD-202, Test Method 112	24-26A 23-16A 24-51A	3 3 3	0				

		APF	PLICATION FOR ESCC QUALIF	CATION APPROVAL		Page 7				
E	SCC	Component Title:	Relays, non-latching, Type GF	25		Appl No				
		Executive Member:	CNES	Date:	22/04/2025	0000				
		Excounce Member.	ONEO	Date.	22/04/2020	002P				
	NOTES ON THE C	COMPLETION OF THE	E APPLICATION FORM FOR ES	CC QUALIFICATION	APPROVAL					
ENTRIES										
Form Heading	shall indicate:— the title of the component as given in its detail specification or the name of the series or family; — the entering date; — the serial number and the suffix of the form.									
Box 1	shall provide details given in table; in particular there shall be listed - the variants or range of variants; the range of components by using the ESCC code for values tolerances, etc.; the designation given in detail specification as 'based on';under Test Vehicle enter either a cross or the specific characteristic capable to identify the component tested; — under component similar enter a cross.									
Box 2 and 3	Manufacturer's n	ame and location of pla	ant where the components were n	nanufactured and test	ed.					
Box 4	Generic and deta	il specifications used d	luring qualification program.							
Box 5	Reference to test	report(s) submitted in	support of application.							
Box 6	Enter details to ic	lentify the PID that was	applicable at the time the qualified	cation lot was manufac	tured.					
Box 7	If the PID was evolved after qualification lot manufacture, adequate details of such evolution shall be provided together with reasons for changes. Major changes shall be clearly marked.									
Box 8	The box serves to identify the current PID and the Executive Representative that has verified it together with the date of this occurrence.									
Box 9	This box can be completed only after a physical visit to the plant to confirm that the practices, procedures, materials, 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 10	Details entered shall be sufficient to evidence that an evaluation program according to ESCC Basic Specification No. 22600 has been performed and that the results thereof are summarized in the survey and test reports. If the evaluation program has not been carried out according to established ESCC documents, the applicant Executive Representative shall provide alternative data and declare its assessed degree of satisfactory compliance with the ESCC basic requirements. Reference shall be made to the reports on Destructive Physical Analysis (DPA), Failure Analysis and Non conformance (NCCS) issued during the Evaluation and/or Qualification Phase.									
Box 11	Enter the name of	f the Executive Coordin	nator and the signature.							
Box 12	To be used when in the relevant Bo	there is a need to exp ox. Box 12 can be broke	and any of the boxes from 1 throu en into 12a, 12b, etc. if several Bo	ugh 10. Identify box aff oxes have to be expan	ected and referenc ded.	e the Box 12				
Box 13	Fill table as reque	ested.								
Box 14	Fill in any addition	nal tasks required to ac	chieve full compliance.							
Box 15	All Executive reco QML entry, letter	ommendations on the a s to the manufacturer, o	application itself, special condition etc. shall be entered clearly in Bo	s or restrictions, modi x 15, signed by the ES	fications of the QPL A Representative.	or ESCC				
Box 16	Fill in Table as re	quested.								
Box 17	Confidential deta	ils of PID changes shal	ll be provided.							
Box 18	State noncomplia nonconformance	ance with reference to s shall be sequentially n	specification(s) and paragraph(s). umbered. If relevant state 'None'	To simplify reference	in Box 18 each					
Box 19	Any additional ac accepted by the I	tion deemed necessary	y by the Executive Representative d be listed herein or the reason(s)	e to bring the submitte to accept the noncon	d data to a standar formance.	d likely to be				
Box 20	Additional Comm	ents								