

		APPLICATION FOR EXTENSION OF ESCC QUALIFICATION APPROVAL			Page 1
		Component Title: CONNECTORS, ELECTRICAL, RECTANGULAR, MICROMINIATURE, REMOVABLE CRIMP CONTACTS AND NON-REMOVABLE, GAUGE 26 PCB CONTACTS, BASED ON TYPE 8MCG			Appl. No. 301G
		Executive Member: CNES		Date: 31/07/2024	
Components (including series and families) submitted for Extension of Qualification Approval:					1
ESCC COMPONENT NO.	VARIANTS	RANGE OF COMPONENTS	BASED ON	TEST VEHICLE / S	COMPONENT SIMILAR
3401/081	2	Variant 02 (aluminium alloy). Gold plated Shells. Contacts arrangements 7, 13, 25, 51, 104 Cts Contacts terminations OL3 (straight PCB), 1AxN (90° PCB 2.54mm row spacing), 1BxN (90° PCB 2.84mm row spacing). Contact type: only pin contacts for male connectors Operating Temperature Range (°C): - 55 to +125	8MCG	3401 081 02B C13POL3 3401 081 02B F25P1A7N	
3401/082	2	Variant 02 (aluminium alloy). Gold plated Shells. Contacts arrangements 7, 13, 25, 51, 104 Cts Alternative Design. G: Rear Grommet version dust proof version. E extended insulator version Operating Temperature Range (°C): - 55 to +125	8MCG	3401 082 02B C13SFO 3401 082 02B F25SFO 3401 082 01B GF25PNMBFO 3401 082 01B GF 25SNMBFO 3401 082 02B GJ104PFO 3401 082 02B GJ104SFO	
3401/083	1 to 4	Contacts, Electrical, Gauge 26, for 3401/082 Connectors Contacts: Variants 01 & 02 for wire size AWG 26, 28 Variants 03 & 04 for wire size AWG 24		3401 083 01B & 02B 3401 083 03B & 04B	
3401/084	1 to 62	Accessories, Operating Temperature Range (°C): - 55 to +125		3401 084 03, 06, 07, 11, 14, 21, 28, 55, 93, 95, 96B.	
3401/088	2	Savers connectors: Shells, Variant 02 (aluminium alloy). Gold plated Shells. Contacts arrangements 7, 13, 25, 51, 104 Cts Operating Temperature Range (°C): - 55 to +125		3401 088 02B C13PS 3401 088 02B C13PS	
Component Manufacturer SOURIAU		Location of Manufacturing Plant(s) 3 Rue du Vallon 94440 Marolles en Brie, FRANCE		Date of original qualification approval: Date: 01/06/2010 Certificate Ref No. 301	
ESCC Specifications used for Maintenance of qualification testing: Generic: 3401 Issue: 5 Detail(s): 3401/081 Issue: 6 3401/082 8 3401/083 4 3401/084 4 3401/088 1		Deviations to LVT testing and Detail Specification used: No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> (supply details in Box 15) Deviation from current Specifications: No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> (Supply details)		Qualification Extension Report reference and date: PV8985-23-031 Issue A 30/09/24	
Summary of procurement or equivalent test results during current validity period in support of this application (those to ESCC listed first)					8
Project Name	Testing Level	LAT	Date code	Quantity Delivered	
				See Synthèse Historique des Ventes MiccoComp 2022-2023	
PID changes since start of qualification		Current PID Verified by:		F. Nouals, CNES	
None <input type="checkbox"/>		Ref No: BE-PG-03/08		Name of Executive Representative	
Minor* <input checked="" type="checkbox"/>		Issue: J		Date:	
Major* <input type="checkbox"/> *Provide details in box: 22		Rev Date: 20/01/2023			
Current Manufacturing facilities surveyed by: F Nouals, CNES on 12/07/20222					11
(Name of Executive Representative) (Date)					
Satisfactory: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Explain					
Report Reference: Compt rendu Visite de Souriau 2022					



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Failure Analysis, DPA, NCCS available: Yes No (Supply data)

Ref. No's and purposes: 2CSOU203 : Lack of plating and stripes in matting zone of the connector with gold peeling (CLOSED)

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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 ofCNES..... as the responsible Executive Member for ESCC qualification status to be extended to the component(s) listed herein.

Date: 21/11/2024


Signature numérique
de Fontaine Lya-Cnes
Date : 2024.11.21
16:07:36 +01'00'

L.FONTAINE, CNES

(Signature of the Executive Coordinator)

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Continuation of Boxes above:



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Non compliance to ESCC requirements:

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No.:	Specification	Paragraph	Non compliance

Additional tasks required to achieve full compliance for ESCC qualification or rationale for acceptability of noncompliance:

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Executive Manager Disposition

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Application Approval: Yes No

Action / Remarks:

Date:

B. Schade: Head of Quality Department



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

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Tests conducted in compliance with:

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

Tests vehicle identification/description:

Références	Type	Brochage	Répartition		Accessoires	
			LAT 1	LAT 2	Vérrouilleur	Raccord
3401 081 02B C13POL3	picots droits	13 points# 26	1 couple	1 couple	//	
3401 082 02B C13SFO	à sertir				//	3401 084 11B
3401 081 02B F25P1A7N	picots à 90°	25 points# 26	1 couple	1 couple	3401 084 03B	//
3401 082 02B F25SFO	à sertir				//	3401 084 28B
3401 088 02B C13PSNMB	SAVERS	13 points# 26	1	1	3401 084 96B	//
3401 088 02B F25PSNMB	SAVERS	25 points# 26	1	1	3401 084 95B	//
3401 082 01B GF25PNMBFO	à sertir	25 points #26	1	1	3401 084 93B	//
3401 082 01B GF 25SNMBFO	à sertir				3401 084 07B	//
3401 081 01B H51PNMBOL3 *	picots droits	51 points# 26	1 couple	1 couple	//	3401 084 14B
3401 082 01B H51SNMBFO *	à sertir				//	3401 084 21B
3401 082 02B GJ104PFO	à sertir	104 points# 26	1 couple	1 couple	3401 084 06B	//
3401 082 02B GJ104SFO	à sertir				//	3401 084 55B

* Specimens manquant

Les connecteurs 3401 082 01B GJ104S/104P sont équipés de 50% de contacts à fût #26/28 (standard) et 50% de contacts à fût #24/26

3401 083 02B	Contact Douille Fût # 26-28	10
3401 083 04B	Contact Douille Fût # 24-26	10

Detail Specification reference: 3401/081, 3401/082, 3401/083, 3401/088.

Chart V	Test	Tick when done	Conditions	Date Code	Tested Qty	No. of Rejects	Comments if not performed. Comments on Rejection
Environmental and Mechanical Subgroup	Wiring	<input checked="" type="checkbox"/>	ESCC 3401 Para. 9.10	2340			
	Climatic Sequence	<input checked="" type="checkbox"/>	ESCC 3401 Para. 9.13	2340			
	Permanence of Marking	<input checked="" type="checkbox"/>	ESCC 24800	2340			
	Corrosion	<input checked="" type="checkbox"/>	IEC Publication No. 68-2-11	2340			
	Seal Test	<input type="checkbox"/>	ESCC 3401 Para. 9.9				NA
	Plating Thickness	<input checked="" type="checkbox"/>	ESCC 3401 Para. 5.2.3	2340			
Endurance Subgroups	Wiring	<input checked="" type="checkbox"/>	ESCC 3401 Para. 9.10	2340			
	Rapid change of Temperature	<input checked="" type="checkbox"/>	ESCC 3401 Para. 9.16	2340			
	Contact Retention	<input checked="" type="checkbox"/>	ESCC 3401 Para. 9.17	2340			
	Maintenance Ageing	<input checked="" type="checkbox"/>	ESCC 3401 Para. 9.27	2340			
	Endurance	<input checked="" type="checkbox"/>	ESCC 3401 Para. 9.18	2340			
	Seal Test	<input type="checkbox"/>	ESCC 3401 Para. 9.9				NA
	Joint Stength	<input checked="" type="checkbox"/>	ESCC 3401 Para. 9.15	2340			
	Engage/Separ. Forces	<input checked="" type="checkbox"/>	ESCC 3401 Para. 9.28	2340			
	Oversize Pin Exclusion	<input checked="" type="checkbox"/>	ESCC 3401 Para. 9.29	2340			
	Probe Damage	<input checked="" type="checkbox"/>	IEC Publication No. 512-8	2340			
Additional Tests		<input type="checkbox"/>					
		<input type="checkbox"/>					
		<input type="checkbox"/>					



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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.