

		APPLICATION FOR EXTENSION OF ESCC QUALIFICATION APPROVAL			Page 1
Component Title: Connectors Electrical for Printed Circuit Boards Removable Contacts Crimp Wire-Wrap Solder and Saver, based on type HE801		Executive Member: CNES			Date: 27/04/2026
Appl. No.		99T			1
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
Parts used for the reconduction test (manufactured at SHYI)					
3401 016	60 and 61	Shell specifications and sizes: 3401/016	HE801	340101601B60ML76 0076 DC 2502 & 340101601B61FD36 0036 DC 2502	Connectors series K
3401 017	ML = 01 to 03 (for the 340101601B60ML7600 76) FD =18 (for the 340101601B61FD3600 36)	Contact:specification 3401/017 solder contacts are used		3401 017 18 B	
Parts cover by the certificate					
3401 016	2 rows: 17, 29, 41, 53, 65, 72, 84, 96, 120 contacts	Shell specifications and sizes: 3401/016	HE801		
3401 016	3 rows: 62, 80, 98, 160 contacts	Shell specifications and sizes: 3401/016	HE801		
3401 016	Guiding and Locking : 26 to 55 – 71 to 81	Shell specifications and sizes: 3401/016	HE801		
3401 017	Solder : 01 to 03 – 06 to 08 – 12 to 14 – 17 to 19 - 64 to 66 - 68 to 70 Untinned or Pre-tinned	Contact:specification 3401/017			
3401 017	Crimp : 04 – 15	Contact:specification 3401/017			
3401 017	Wrap : 10 – 11 – 21 - 22	Contact:specification 3401/017			
3401 017	Saver : 67	Contact:specification 3401/017			
		Contact Ratings: 5 A			
		Operating Temperature Range (°C): -55 to +125			
Component Manufacturer Smiths Interconnect		Location of Manufacturing Plant(s) 31 rue Isidore Maille 76410 Saint-Aubin les Elbeuf Via Pier Domenico da Bissone, 7A 16153 Genova GE Italy		Date of original qualification approval: Date: 15/11/1982 Certificate Ref No. 99	
ESCC Specifications used for Maintenance of qualification testing: Generic: 3401 Issue: 5 Detail(s): 3401016 Issue: 6 3401017 7		Deviations to LVT testing and Detail Specification used: No ☒ Yes ☐ (supply details in Box 15) Deviation from current Specifications: No ☒ Yes ☐ (Supply details)		Qualification Extension Report reference and date: PV n° 335989, 25 th April 2025	
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 appendix					

PID changes since start of qualification		9	Current PID Verified by: <u>F. Nouals</u>	
None ☐ Minor* ☒ Major* ☐		*Provide details in box: <u>19</u>	Name of Excutive Representative Ref No: <u>P.I.D CDC N° 43 & P.I.D. SP.1057</u> Issue: <u>Y & H</u> Date: <u>16/09/2025</u> Rev Date: <u>24/10/2023</u>	
Current Manufacturing facilities surveyed by:		<u>F. Nouals</u>	on	<u>31/07/2025</u>
		(Name of Executive Representative)		(Date)
Satisfactory:		Yes ☒	No ☐	Explain
Report Reference:		<u>SMI-AUD-2022</u>		
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Failure Analysis, DPA, NCCS available: Yes ☒ No ☐ (Supply data)

Ref. No's and purposes: NCCS 2-C-SMT2025-01 : Lack of wire on 3 connectors - 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 of
..... as the responsible Executive Member for ESCC qualification status to be extended to the component(s) listed herein.

Date: 27/04/2026

Signature numérique

L. FONTAINE

de Fontaine Lya

Date : 2026.04.27

(Signature of the Executive Coordinator)

14:25:39 +02'00'

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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: 31/07/2026

Ali Zadeh

A, Zadeh - Head of the Avionics and EEE Division

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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); LAT 1 –
- Or PID-TFD (for ESCC/QML parts)

Tests vehicle identification/description:

Test realized alternatively 1 time on parts assembly by French site (SHYF) and 1 time on parts assembly by Italian Site (SHYI)

See page 6/8 document N° 335989

Parts assembly by SHYI

PID SHYI n° SP.1057 rev G

LIST OF COMPONENTS SUBJECT TO THE LOT ACCEPTANCE

PART NUMBER	DATE CODE	LOT	SERIAL NUMBER	Qty	SIMILAR TO STYLE
340101601B61FD360036	2502	A	/	5	KNC 080 44 30 121
340101601B60ML760076	2502	A	/	5	KNC 080 55 11 110
3401 017 18 B	2502	A	/	10	0060-43

SAMPLING : CONNECTORS

PART NUMBER	DATE CODE	LOT	Qty	SIMILAR TO STYLE	LEVEL	
					I	II
340101601B61FD360036	2502	A	1	KNC 080 44 30 121	N° 1	
340101601B60ML760076	2502	A	1	KNC 080 55 11 110	N° 1	
340101601B61FD360036	2502	A	1	KNC 080 44 30 121	N° 2	
340101601B60ML760076	2502	A	1	KNC 080 55 11 110	N° 2	
340101601B61FD360036	2502	A	1	KNC 080 44 30 121	N° 3	
340101601B60ML760076	2502	A	1	KNC 080 55 11 110	N° 3	
340101601B61FD360036	2502	A	1	KNC 080 44 30 121		
340101601B60ML760076	2502	A	1	KNC 080 55 11 110		
340101601B61FD360036	2502	A	1	KNC 080 44 30 121		
340101601B60ML760076	2502	A	1	KNC 080 55 11 110		

SAMPLING : CONTACTS

PART NUMBER	DATE CODE	LOT	SIMILAR TO STYLE	DESCRIPTION	HYPERTA CLOT	LEVEL
						II
3401 017 18 B	2502	A	0060-43	Solder straight-through female contact	71244	10

Detail Specification reference:

3401

Conclusion of Lot Acceptance Tests :

Lot Acceptance Tests Level I : Successfull

Lot Acceptance Tests Level II : Successfull

Final conclusion :

In compliance with specifications :

ESCC Generic Specifiaction n° 3401 issue 5 of March 2018

ESCC Detail Specification n° 3401/016 issue 6 of October 2020

ESCC Detail Specification n° 3401/017 issue 7 of April 2025

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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.