

		APPLICATION FOR EXTENSION OF ESCC QUALIFICATION APPROVAL			Page 1 Appl. No. 149R	
Component Title: Connectors Electrical for Printed Circuit Boards Non-Removable Solder and Wire-Wrap Contacts and Connector Savers, based on type KMC		Executive Member: CNES		Date: 27/04/2026		
1						
Components (including series and families) submitted for Extension of Qualification Approval:						
ESCC COMPONENT NO.	VARIANTS	RANGE OF COMPONENTS	BASED ON	TEST VEHICLE / S	COMPONENT SIMILAR	
PARTS USED FOR THE RECONDUCTION – parts manufactured at SHYI and tested at SHYF						
3401 039	01	Plug KMC044 – 3 rows – straight solder contact – guide 127		KMC0445530127TOR with customer marking TOR	KMC0445530127	
		Receptacle KMC044 – 3 rows – straight solder contact – guide 143		KMC0444430143TOR similar to 340103901B0444430143 with customer marking TOR	KMC0444430143	
		Contact		0050962-30-J9		
		Contact		0050972-30-J9		
		Contact		057293#00OF		
		Contact		057295#00OF		
DESCRIPTION OF THE KN PRODUCT						
3401 039	01	3 rows contacts: 26, 44, 62, 80, 98, 144	KN			
		Guiding and Locking Devices Codes: 110, 121, 143, 201, 202, 204, 206, 703				
		Contact Codes: 10, 30, 31, 40, 50, 51 and 91				
		Contact Ratings: 2 A (1 contact)				
		Operating Temperature Range (°C): -55 to +125				
Component Manufacturer Smiths interconnect		2	Location of Manufacturing Plant(s) 31 rue Isidore Maille 76410 Saint-Aubin les Elbeuf Via Pier Domenico da Bissone, 7A 16153 Genova GE Italy		3	
			Date of original qualification approval: Date: 15/03/1987 Certificate Ref No. 149		4	
ESCC Specifications used for Maintenance of qualification testing: Generic: 3401 Issue: 5 Detail(s): 3401039 Issue: 6		5	Deviations to LVT testing and Detail Specification used: No ☒ Yes ☐ (supply details in Box 15) Deviation from current Specifications: No ☒ Yes ☐ (Supply details)		6	
			Qualification Extension Report reference and date: PV n°335524 ,31/10/2024		7	
8						
Summary of procurement or equivalent test results during current validity period in support of this application (those to ESCC listed first)						
Project Name	Testing Level	LAT	Date code	Quantity Delivered		
See appendix						
PID changes since start of qualification		9	Current PID Verified by: F. Nouals		10	
None ☐ Minor* ☒ Major* ☐		Name of Executive Representative				
*Provide details in box:		Ref No: P.I.D CDC N° 43 & P.I.D. SP.1057				
		Issue: Y & H Date: 31/07/2025				
		Rev Date: 24/10/2023				
11						
Current Manufacturing facilities surveyed by: F. Nouals on 31/07/2025 (Name of Executive Representative) (Date)						

Satisfactory: Yes ☒ No ☐ Explain

Report Reference: SMI-AUD-2022

**APPLICATION FOR EXTENSION OF ESCC QUALIFICATION APPROVAL**

Component title: Connectors Electrical for Printed Circuit Boards Non-Removable Solder and Wire-Wrap Contacts and Connector Savers, based on type KMC

Executive Member: CNES

Date: 27/04/2026

Page 2

Appl. No.

149R

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

Ref. No's and purposes:

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 de
Fontaine Lya

Date : 2026.04.27

14:50:19 +02'00'

L. FONTAINE

(Signature of the Executive Coordinator)

Continuation of Boxes above:

		APPLICATION FOR EXTENSION OF ESCC QUALIFICATION APPROVAL		Page 3
Component title: Connectors Electrical for Printed Circuit Boards Non-Removable Solder and Wire-Wrap Contacts and Connector Savers, based on type KMC		Executive Member: CNES		Date: 27/04/2026
Appl. No. 149R				15
Non compliance to ESCC requirements:				
No.:	Specification	Paragraph	Non compliance	
Empty table body for non-compliance				
Additional tasks required to achieve full compliance for ESCC qualification or rationale for acceptability of noncompliance:				16
Empty table body for additional tasks				
Executive Manager Disposition				17
Application Approval: Yes ☒ No ☐				
Action / Remarks:				
Empty table body for action/remarks				
Date: 31/07/2026		 A. Zadeh - Head of the Avionics and EEE Division		

**APPLICATION FOR EXTENSION OF ESCC QUALIFICATION APPROVAL**

Component Title: Connectors Electrical for Printed Circuit Boards Non-Removable Solder and Wire-Wrap Contacts and Connector Savers, based on type KMC

Executive Member: CNES

Date: 27/04/2026

Page 4

Appl. No.

149R

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

18

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:

For this reconduction we used a Customer LAT1 + SODERN Specification STA_00020105 rev E (more severe)

See page 5/7 document N° 335524

PART NUMBER	DATE CODE	LOT	SERIAL NUMBER	Qty	SIMILAR TO STYLE
KMC 044 44 30 143TOR	2351	A	/	4	KMC 044 44 30 143
KMC 044 55 30 127TOR	2402	A	/	4	KMC 044 55 30 127
0050962-30-J9	2350	A	/	10	0050-96
0050972-30-J9	2339	A	/	10	0050-97
0050972-30-J9	2341	A	/	10	0050-97
057293#00OF	2329	A	/	10	62-0050
057295#00OF	2331	A	/	10	64-0050

SAMPLING : CONNECTORS

PART NUMBER	DATE CODE	LOT	Qty	SIMILAR TO STYLE	LEVEL	
					I	II
KMC 044 44 30 143TOR	2351	A	1	KMC 044 44 30 143	N° 1	
KMC 044 55 30 127TOR	2402	A	1	KMC 044 55 30 127	N° 1	
KMC 044 44 30 143TOR	2351	A	1	KMC 044 44 30 143	N° 2	
KMC 044 55 30 127TOR	2402	A	1	KMC 044 55 30 127	N° 2	
KMC 044 44 30 143TOR	2351	A	1	KMC 044 44 30 143		N° 3
KMC 044 55 30 127TOR	2402	A	1	KMC 044 55 30 127		N° 3
KMC 044 44 30 143TOR	2351	A	1	KMC 044 44 30 143		N° 4
KMC 044 55 30 127TOR	2402	A	1	KMC 044 55 30 127		N° 4

SAMPLING : CONTACTS

PART NUMBER	DATE CODE	LOT	SIMILAR TO STYLE	DESCRIPTION	HYPERTAC LOT	LEVEL
						III
0050962-30-J9	2350	A	0050-96	Solder straight female contact for PCB	HC62402	10
0050962-30-J9	2339	A	0050-96	Solder straight female contact for PCB	HC60599	10
0050972-30-J9	2341	A	0050-97	Solder straight female contact for PCB	HC61348	10
057293#000F	2329	A	62-0050	Solder straight male contact for PCB	834521	10
057295#000F	2331	A	64-0050	Solder straight male contact for PCB	834933	10

Detail Specification reference: 3401

Conclusion of Lot Acceptance Tests :

Lot Acceptance Tests Chart F4 :

Successful

Final conclusion :

In compliance with specifications :

ESCC Generic Specification n° 3401 issue 5 of March 2018.

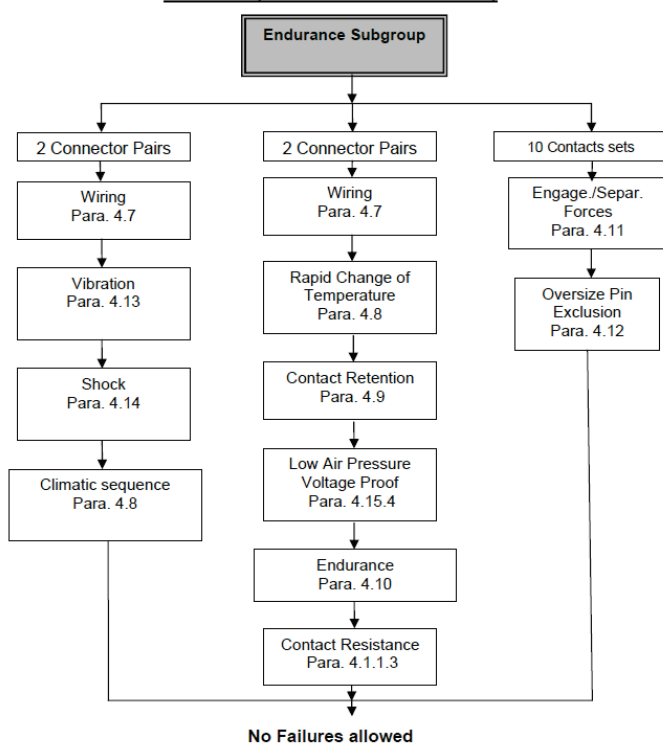
ESCC Detail Specification 3401/039 issue 6 of March 2020.

SODERN Specification STA_00020105 issue E of July 2015.

Amended by Deviation n° 6339 of March 2024.

Detail of the chart F4 STA_00020105 rev E

CHART F4 (LOT VALIDATION TESTING)



APPLICATION FOR EXTENSION OF ESCC QUALIFICATION APPROVAL

Component Title: Connectors Electrical for Printed Circuit Boards Non-Removable Solder and Wire-Wrap Contacts and Connector Savers, based on type KMC

Executive Member: CNES

Date: 27/04/2026

Page 5

Appl. No.

149R

	APPLICATION FOR EXTENSION OF ESCC QUALIFICATION APPROVAL Component title: Connectors Electrical for Printed Circuit Boards Non-Removable Solder and Wire-Wrap Contacts and Connector Savers, based on type KMC Executive Member: CNES Date: 27/04/2026	Page 6 Appl. No. 149R
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.	