	<b>APPLICATION FOR EXTENSION OF ESCC QUALIFICATION APPROVAL</b>	Page 1 Appl. No. 140P			
Component Title: CONNECTORS, ELECTRICAL, RECTANGULAR, MICROMINIATURE, BASED ON TYPE MDM Executive Member: CNES Date: 09/10/2017					
Components (including series and families) submitted for Extension of Qualification Approval: <span style="float: right;">1</span>					
ESCC COMPONENT NO.	VARIANTS	RANGE OF COMPONENTS	BASED ON	TEST VEHICLE / S	COMPONENT SIMILAR
3401/029	01 & 02	Layout : 9 - 15 - 21 - 25 - 31 - 37 - 51 Contacts Non removable crimp contacts	MDM	See test report	MDMA
3401/041	01 to 07	Terminaison type : AWG 26: ESCC 390101302, ESCC 390100256, ESCC 390101203 2.5 A AWG 28: ESCC 390101301, ESCC 390100261, ESCC 390101202 1.5A AWG 25 - Uninsulated rigid wire-bent and straight PCB, 2.5A			
3401/032	03, 04, 07 to 17	Nickel or Gold Plated Shells Operating Temperature Range (°C): -55 to +125			
Component Manufacturer <b>C&amp;K Components SAS</b>		Location of Manufacturing Plant(s) <b>Rue Bertholet B.P. 359 39105 DOLE Cedex - France</b>		Date of original qualification approval: Date: 10/10/1986  Certificate Ref No. 140	
ESCC Specifications used for Maintenance of qualification testing: Generic: 3401 Issue: 4  Detail(s): 3401/029 Issue: 14 3401/041 5 3401/032 8		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: PV 159-17C 17/02/2017 (contact test report) PV 160-17C 17/02/2017 (connector test report)	
Summary of procurement or equivalent test results during current validity period in support of this application (those to ESCC listed first) <span style="float: right;">8</span>					
Project Name	Testing Level	LAT	Date code	Quantity Delivered	
See appendix					
PID changes since start of qualification <span style="float: right;">9</span> None <input type="checkbox"/> Minor* <input checked="" type="checkbox"/> Major* <input type="checkbox"/> *Provide details in box:			Current PID Verified by: <u>CNES</u> <span style="float: right;">10</span> Name of Executive Representative Ref No: CS-FR010 Issue: 7 rev N Date: 09/10/2017 Rev Date: 01/05/2017		
Current Manufacturing facilities surveyed by: <u>CNES</u> on <u>14/12/2016</u> <span style="float: right;">11</span> (Name of Executive Representative) (Date)  Satisfactory: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Explain  Report Reference: <u>CRIM_1013659</u>					



## APPLICATION FOR EXTENSION OF ESCC QUALIFICATION APPROVAL

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**Executive Member:** CNES

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

Date: 13/10/2017

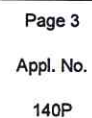
JP. BUSSENOT

(Signature of the Executive Coordinator)

Continuation of Boxes above:

Solder bucket termination contacts were included in the test vehicle and shall be included in the qualification range when 3401/029 will be updated (DCR 1096).

Certificate shall mentioned solder bucket in addition to uninsulated rigid wire bent and straight PCB termination.



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No.:	Specification	Paragraph	Non compliance

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Application Approval:    Yes    ☐    No    ☐

Action / Remarks:

Date:

76 27

Signature, ESA Representative



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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:

MDMA15P FO / MDM 15SFR114B MDM 31PFR136 / MDMA31S FO	MDMA25P FO / MDM 25PS / MDM 25SFR112A MDMA51P FO / MDM 51SFR164-A174
MDM 37PFR116 / MDMA37S FO MDMA9P FO / MDM 9SFR139	MDMA51P FO / MDM 51SFR164-A174

Detail Specification reference: 34010029

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	1650	4	0	
	Climatic Sequence	<input checked="" type="checkbox"/>	ESCC 3401 Para. 9.13	1650	4	0	
	Permanence of Marking	<input checked="" type="checkbox"/>	ESCC 24800	1650	4	0	
	Corrosion	<input checked="" type="checkbox"/>	IEC Publication No. 68-2-11	1650	4	0	
	Seal Test	<input type="checkbox"/>	ESCC 3401 Para. 9.9				Not applicable
	Plating Thickness	<input checked="" type="checkbox"/>	ESCC 3401 Para. 5.2.3	1650	4	0	
Endurance Subgroups	Wiring	<input checked="" type="checkbox"/>	ESCC 3401 Para. 9.10	1650	3	0	
	Rapid change of Temperature	<input checked="" type="checkbox"/>	ESCC 3401 Para. 9.16	1650	3	0	
	Contact Retention	<input checked="" type="checkbox"/>	ESCC 3401 Para. 9.17	1650	3	0	
	Maintenance Ageing	<input type="checkbox"/>	ESCC 3401 Para. 9.27				Not applicable
	Endurance	<input checked="" type="checkbox"/>	ESCC 3401 Para. 9.18	1650	3	0	
	Seal Test	<input type="checkbox"/>	ESCC 3401 Para. 9.9				Not applicable
	Joint Strength	<input type="checkbox"/>	ESCC 3401 Para. 9.15				Not applicable
	Engage/Separ. Forces	<input checked="" type="checkbox"/>	ESCC 3401 Para. 9.28	1650	30	0	
	Oversize Pin Exclusion	<input type="checkbox"/>	ESCC 3401 Para. 9.29				Not applicable
	Probe Damage	<input type="checkbox"/>	IEC Publication No. 512-8				Not applicable
Additional Tests		<input type="checkbox"/>					
		<input type="checkbox"/>					
		<input type="checkbox"/>					



