

		APPLICATION FOR ESCC QUALIFICATION APPROVAL				Page 1	
		Component Title: RF Coaxial Connectors according to ESCC 3402				Appl. No. 329	
		Executive Member: DLR German Aerospace Center		Date: 07.01.2014			
Components (including series and families) submitted for Qualification Approval							1
ESCC COMPONENT. NO.	VARIANTS	RANGE OF COMPONENTS	BASED ON	TEST VEHICLE / S	COMPONENT SIMILAR		
ESCC 3402 / 001	1-10, 12-18, 20-30, 32-35, 37-47	all	SMA (m)	Variants 02 and 12 of ESCC 3402/001	Covered also by similarity, see box 20		
ESCC 3402 / 002	1-24, 27-32, 34, 36-51, 53-61, 65-71	all	SMA (f)	Variant 16 of ESCC 3402/002	Covered also by similarity, see box 20		
ESCC 3402 / 003	1-6, 8-14	all	SMA (adaptors)		Covered by similarity, see Annex 2, box 20		
ESCC 3402 / 008	1-7	all	TNC (m)	Variant 01 of ESCC 3402/008	Covered also by similarity, see box 20		
ESCC 3402 / 009	1-5	all	TNC (f)	Variant 03 of ESCC 3402/009	Covered also by similarity, see box 20		
ESCC 3402 / 010	1-5	all	TNC (adaptors)		Covered by similarity, see box 20		
ESCC 3402 / 021	1-5, 7	all	SMA 2.9(m)	Variant 01 of ESCC 3402/021	Covered also by similarity, see box 20		
ESCC 3402 / 022	1-5	all	SMA 2.9 (f)	Variant 03 of ESCC 3402/022	Covered also by similarity, see box 20		
ESCC 3402 / 023	1-6	all	SMA 2.9 (adaptors)		Covered by similarity, see box 20		
ESCC 3402 / 024	1-26, 28-35	all	SMP (m)	Variant 01 of ESCC 3402/024	Covered also by similarity, see box 20		
ESCC 3402 / 025	1-14	all	SMP (f)	Variant 01 of ESCC 3402/025	Covered also by similarity, see box 20		
ESCC 3402 / 026	1-13	all	SMP (adaptors)	Variant 02 of ESCC 3402/026	Covered also by similarity, see box 20		
Component Manufacturer Rosenberger Hochfrequenztechnik GmbH & Co. KG		Location of Manufacturing Plant Hauptstraße 1, 83413 Fridolfing, Germany		ESCC Specification used for Qualification Generic: ESCC 3402, iss1 Oct2002 Detail/s: ESCC3402/001, Iss 2 ESCC3402/002, Iss 3 ESCC3402/003, Iss 2 ESCC3402/008, Iss 1 ESCC3402/009, Iss 1 ESCC3402/010, Iss 1 ESCC3402/021, Iss 1 ESCC3402/022, Iss 2 ESCC3402/023, Iss 2 ESCC3402/024, Iss 1 ESCC3402/025, Iss 2 ESCC3402/026, Iss 1			
Qualification Report Reference and date: Testreports 11_0201, 11_0202, 11_0203, 11_0204, 13_0536, 13_0537 Date: May-September 2013					PID used for manufacturing Qualification Lot Ref No: RAA_81 Issue: 1.3 Date: 23.10.2008		

	APPLICATION FOR ESCC QUALIFICATION APPROVAL	Page 2 Appl. No. 329
Component Title: _____ Appl. No. _____		
Executive Member: DLR German Aerospace Center Date: 07.01.2014		
PID changes since start of qualification None <input type="checkbox"/> Minor* <input type="checkbox"/> Major* <input checked="" type="checkbox"/> (* Details not published, provided in confidential annex 2.)	7	Current PID Verified by <u>G. Joormann</u> Name of Executive Representative _____ Ref No: RAA_81 Issue 1.9 Date: 18.12.2013
PID changes since start of qualification None <input type="checkbox"/> Minor* <input type="checkbox"/> Major* <input checked="" type="checkbox"/> (* Details not published, provided in confidential annex 2.)		8
Current Manufacturing facilities surveyed by: F. Martinez / G. Joormann 22.-23.10.2012 (Name of Executive Responsible) (Date) ROS-AUD-2012		
Report Reference		
Satisfactory: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Explain Close-out reference DLR-20131107_ROS_MOM, 15-11-2013		
Quality and Reliability Data Evaluation testing performed Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Report Ref. No.: RAA_79_11; RAA_79_20 Date: 15.12.2011 RAA_79_30; RAA_79_41; 11.04.2013 Equivalent Data: Certification:	10	Failure analysis, DPA, NCCS Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> available Construction Analysis Report CA0617 Ref Nos. and purpose:
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 13; that the reports and data are available at the ESCC Executive and therefore applies for ESCC qualification status to be given to the component(s) listed herein. Date: 07.01.2014		
 _____ (Signature of the Executive Coordinator)		11
Continuation of Boxes above: (Only non-confidential comments)		
12		

**APPLICATION FOR ESCC QUALIFICATION APPROVAL**Component Title: **RF Coaxial Connectors according to ESCC 3402**Executive Member: **DLR German Aerospace Center**Date: **07.01.2014**

Page 3

Appl. No.
329

Non compliance to ESCC requirements:

13

No.:	Specification	Paragraph	Non compliance

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

14

Executive Manager Disposition

15

Application Approval: Yes ☐ No ☐

Action / Remarks:

Date:

17.01.2014

Signature, ESA Representative

**APPLICATION FOR ESCC QUALIFICATION APPROVAL**Component Title: **RF Coaxial Connectors according to ESCC 3402**Executive Member: **DLR**Date: **07.01.2014**

Page 4

Appl. No.

329

ANNEX 1: LIST OF TESTS DONE TO SUPPORT QUALIFICATION

16

Tests conducted in compliance with:

- **ESCC 3402 generic specification; Chart IV** (for ESCC/QPL parts);
- Or PID TFD- (for ESCC/QML parts)

Tests vehicle identification/description: as per box1

Detail Specification reference: as per box1

"Summary of Results" is attached to this application. It includes all qualification tests performed with ESCC Spec reference, the lot numbers and the outcome of the tests.

**APPLICATION FOR ESCC QUALIFICATION APPROVAL**Component Title: **RF Coaxial Connectors according to ESCC 3402**Executive Member: **DLR German Aerospace Center**Date: **07.01.2014**

Page 7

Appl. No.

329

NOTES ON THE COMPLETION OF THE APPLICATION FORM FOR ESCC 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 name and location of plant where the components were manufactured and tested.
- Box 4** Generic and detail specifications used during qualification program.
- Box 5** Reference to test report(s) submitted in support of application.
- Box 6** Enter details to identify the PID that was applicable at the time the qualification lot was manufactured.
- 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 the Executive Coordinator and the signature.
- Box 12** To be used when there is a need to expand any of the boxes from 1 through 10. Identify box affected and reference the Box 12 in the relevant Box. Box 12 can be broken into 12a, 12b, etc. if several Boxes have to be expanded.
- Box 13** Fill table as requested.
- Box 14** Fill in any additional tasks required to achieve full compliance.
- Box 15** All Executive recommendations on the application itself, special conditions or restrictions, modifications of the QPL or ESCC QML entry, letters to the manufacturer, etc. shall be entered clearly in Box 15, signed by the ESA Representative.
- Box 16** Fill in Table as requested.
- Box 17** Confidential details of PID changes shall be provided.
- Box 18** State noncompliance with reference to specification(s) and paragraph(s). To simplify reference in Box 18 each nonconformance shall be sequentially numbered. If relevant state 'None'
- Box 19** Any additional action deemed necessary by the Executive Representative 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 nonconformance.
- Box 20** Additional Comments