

MEASUREMENT PARAMETER AND RANGE		LABORATORY LIMITS (+/-)
DC VOLTAGE	1mV-1,5kV	0,20%
AC VOLTAGE	10mV-12kV (50Hz)	1,50%
DC CURRENT	>40mA-10A	1,00%
	10A-2000A	0,50%
AC CURRENT	10A- 700A (50Hz)	0,50%
DC RESISTANCE	>20mOhm-200kOhm	0,10%
	>100MOhm-1TOhm	3,00%
TEMPERATURE	-75C to 300C	0,40%
FORCE	0.1N-10kN	2,00%
TORQUE	0.Nm-5.0Nm	5,00%
HUMIDITY	10%rh-98%rh	5,00%

### IEC QUALITY ASSESSMENT SYSTEM FOR ELECTRONIC COMPONENTS (IECQ)

IEC QUALITY ASSESSMENT SYSTEM FOR ELECTRONIC COMPONENTS (IECQ)

## Certificate of Approval of Independent Test Laboratory

Registration Number: **T598257 IECQ** Issue Number: **1** Page 1 of 2

of: **Glenair Italia S.p.A.**

at their place(s) of work:

**Via Del Lavoro 7  
Quarto Inferiore  
Granarolo dell' Emilia  
Bologna  
40057  
Italy**

The organization, facilities and procedures have been assessed and found to comply with the applicable requirements for Independent Testing Laboratory organization approval, in support of the IECQ system, which is in accordance with the Basic Rules IECQ 01 and Rules of Procedure IECQ 03-6 "Independent Testing Laboratory Assessment Program Requirements" of the IEC Quality Assessment System for Electronic Components (IECQ) and applicable requirements of ISO/IEC 17025: 2005 for the testing of electronic components under the IECQ. The scope of approval is as defined in the abstract to this certificate.

Signed on behalf of BSI Date of Issue: **07 November 2013**

IECQ Certification Body Date of Expiry: **06 November 2016**

NOTE: This certificate is valid only in conjunction with the approval document(s). This certificate may be suspended or withdrawn in accordance with the Rules of the International Electrical Commission (IEC) implemented in BS 5000 Part 3. This certificate remains the property of British Standards Institution and shall be returned immediately upon request.

**bsi.**

Contact BSI: Kilmarnock Court, Davy Avenue, Knowlhill, Milton Keynes, MK5 8PP, UK  
BSI Reservoir, 389 Chiswick, Uxbridge, Middlesex, UB8 3PH, UK  
London W6 0QA, UK. A member of the BSI Group of Companies.

IEC QUALITY ASSESSMENT SYSTEM FOR ELECTRONIC COMPONENTS (IECQ)

## Abstract of Testing Facilities

*Description of Facilities as recorded on the IECQ on-line database (www.iecq.org)*

Registration Number: **T598257 IECQ** Issue Number: **1** Page 2 of 2  
Test Laboratory: **Glenair Italia S.p.A.**

CONDITIONING TESTS		
<b>ENVIRONMENTAL</b> <span style="float: right;"><b>BS EN 60068 / IEC 60068</b></span>		
Cold	Test A	60068-2-1
Dry Heat	Test B	60068-2-2
Damp Heat – Steady State	Test Cab	60068-2-78
Damp Heat – Cyclic	Test Db	60068-2-30
Change of Temperature	Test N	60068-2-14
Salt Mist	Test Ka	60068-2-11
<b>MECHANICAL</b>		
Vibration, sinusoidal	Test Fc	60068-2-6
Vibration, random	Test Fh	60068-2-64
Shock	Test Ea	60068-2-27
<b>CONNECTORS FOR ELECTRONIC EQUIPMENT</b> <span style="float: right;"><b>BS EN 60512 / EN 60512</b></span>		
Contact Resistance	Test 2a Test 2b	BS EN 60512-1 BS EN 60512-2
Housing (Shell) Electrical Continuity	Test 2f	BS EN 60512-2-6
Insulation Resistance	Test 3a	BS EN 60512-3-1
Voltage Proof	Test 4a	BS EN 60512-4-1
Temperature Rise	Test 5a	BS EN 60512-5-1
Current-temperature derating	Test 5b	BS EN 60512-5-2
<b>BS EN / IEC</b>		
Shielding Effectiveness		62153-4-7

**MEASUREMENT CAPABILITIES (Parameters)**  
DC Voltage, DC Current, AC Voltage, AC Current, DC Resistance, Temperature, Humidity.

**ELECTRICAL PRODUCT TESTS**  
Resistors, Printed Circuits, Switches, Relays, Connectors, Transformers, Electrical Harnesses

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For any query or additional information about the Glenair Independent Environmental Test Laboratory, please contact the manager Pierpaolo Brulatti directly at +39-051-782811 or by email: [pbrulatti@glenair.it](mailto:pbrulatti@glenair.it)