FCC PART 68:2006
Test Report

For

Modular Plug

Model Number: RJ11

Brand Name: N/A

Report No.: SZAGC128080302E5

Date of Issue: Mar.26, 2008

Prepared For

PLUG MASTER INDUSTRIAL CO., LTD

Zheng long Industrial Zone, Si Village, Tangxia Town,

Dongguan City, Kwang Tung Province, China

Tel: 86-769-87889195

Fax: 86-769-87889175

Prepared By

Shenzhen Attestation of Global Compliance Science & Technology Co., Ltd.

Suite B11/B12, Huafeng Mall, Chuangye 2nd Road,

25 District, Bao'an, Shenzhen

Tel: 86-755-2974 2355

Fax: 86-755-2600 8484

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1. VERIFICATION OF COMPLIANCE

Equipment Under Test:	Modular Plug
Brand Name:	N/A
Model Number:	RJ11
Serial Number:	N/A
Applicant:	PLUG MASTER INDUSTRIAL CO., LTD Zheng long Industrial Zone, Si Village, Tangxia Town, Dongguan City, Kwang Tung Province, China
Manufacturer:	PLUG MASTER INDUSTRIAL CO., LTD Zheng long Industrial Zone, Si Village, Tangxia Town, Dongguan City, Kwang Tung Province, China
File Number:	SZAGC128080302E5
Date of test:	Mar.22~ Mar.25, 2008
Deviation:	None
Condition of Test Sample:	Normal

The above equipment was tested by Shenzhen Attestation Of Global Compliance Science & Technology Co., Ltd. For compliance with the requirements set forth in the FCC Rules and Regulations Part 68, Subpart F.This said equipment in this report are within the compliance requirements.

The test results of this report relate only to the tested sample identified in this report.

Prepared By	Tony Tian	Mar.26, 2008
Checked By	Randy He	Mar.26, 2008
Authorized By	King Zhang	Mar.26, 2008

2. ANGLE MEASUREMENT TEST

Method

The test sample plug with telecommunication cord was inserted into a compatible mating jack. A measurement of the contact angle between plug and jack conductors, with the plug latch into the jack, was then recorded.

Results

The results are considered acceptable if the maximum angle is no greater than 24 degrees and the minimum angle is no less than 13 degrees. The results for each test sample is show in the following table.

Angle Measurement Results		
Model No.	Sample No.	Angle (deg.)
RJ11	1	15.3

3. INSERTION AND LATCH TEST

Method

The test sample plug shall be capable of insertion and latching into a calibrated gauge. The insertion force shall be 5 lbs. or less. During the test, the sample was placed in a position of interference with the entry of the sample into the gauge. Using a compatible gauge, the plug was inserted into the jack until the latch locked in place. During this procedure, the maximum force was measured and recorded.

The sample was then withdrawn, and again the force was measured. During removal, the required force shall not exceed 10 lbs.

Results

The results are shown in the following table.

Insertion and withdrawal Force			
Model No.	Sample No.	Insert (lbs)	Withdraw (lbs)
RJ11	1	3.9	2.9

4. INSERTION FORCE TEST

Method

The test sample plug was subjected to an insertion force test by applying a gradual force to the plug while in the insertion until the plug moved beyond the Datum -A- position with a maximum force of two pounds. During this test, the sample was placed in a position of normal use and the force applied in the direction required to insert the plug into the compatible jack.

The results are considered acceptable when the test sample does exceed 0.07 inch beyond the Datum –A- position.

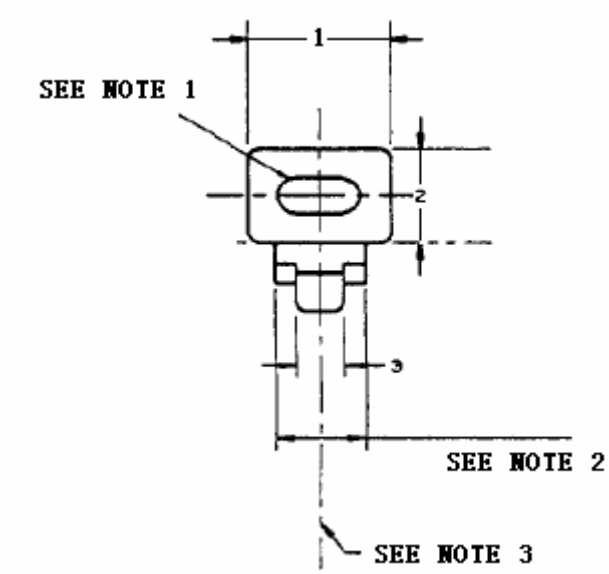
Results

The results are shown in the following table.

Insertion Force Results		
Model No.	Sample No.	Distance (lbs)
RJ11	1	0.12 (2)

5. SIZE TEST

Unkeyed Plug-6 Position 1

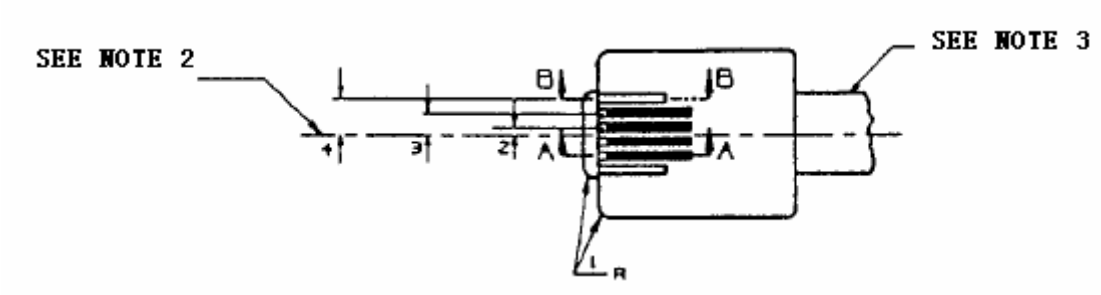


Point of Measurement	Requirements	Results
1	0.380 REF	0.3794
2	0.260 REF	0.2554
3	0.128±0.005	0.1317

Note:

1) The preferred major cordage cross section is 2.5400 mm (.100 inch) max. thick by 5.0800 mm (.200 inch) max. wide, with rounded corners. It should exit the plug on the plug centerline. Other cordage configurations are permitted but may inhibit the special features of some network jack enclosures.
2) To obtain maximum plug guidance when 6-position plugs are inserted in 8-position jacks, it is desirable to extend the front plug nose to the 2.3368 mm. (.092 inch) maximum.
3) The center rib centerline shall be coincident with the plug width 9.6520 mm (,380 inch) ref. centerline within +/- . 0762 mm (+/- .003 inch).
4) All dimensions are expressed in inches.

Unkeyed Plug-6 Position 2

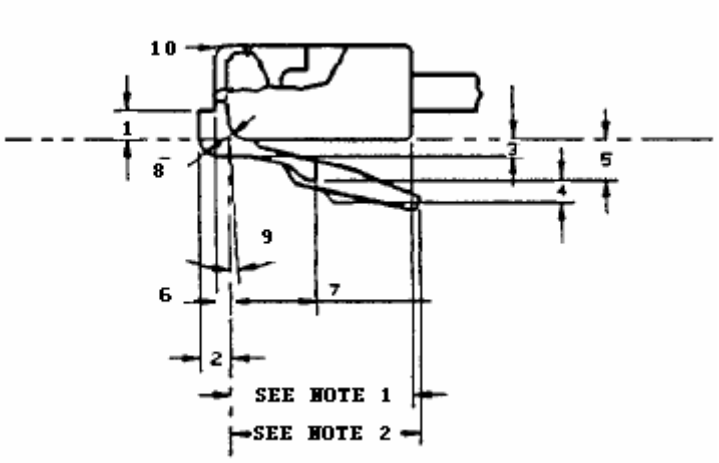


Point of Measurement	Requirements	Results
1	0.030±0.010	0.034
2	0.020±0.002	0.02105
3	0.060±0.002	0.0613
4	0.100±0.002	0.1012

Note:

1) All dimensions are expressed in inches.
2) The center rib centerline shall be coincident with the plug width 9.6520 mm (,380 inch) ref. centerline within +/- . 0762 mm (+/- .003 inch).
3) The preferred major cordage cross section is 2.5400 mm (.100 inch) max. thick by 5.0800 mm (.200 inch) max. wide, with rounded corners. It should exit the plug on the plug centerline. Other cordage configurations are permitted but may inhibit the special features of some network jack enclosures.

Unkeyed Plug-6 Position 3

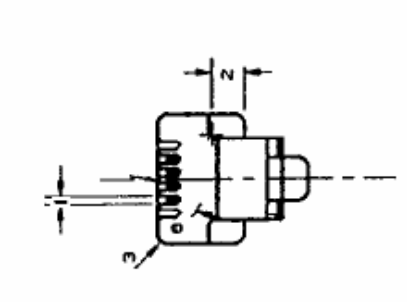


Point of Measurement	Requirements	Results
1	0.081 Max	0.0803
2	0.092 Max	0.0915
3	0.052 Max	0.0516
4	0.025 Max	0.0248
5	0.109±0.004	0.1124
6	0.035 Min	0.0365
7	0.232±0.005	0.2365
8	0.045REF	0.0443
9	3°30′ Max	3°26′
10	0.030±0.010	0.0347

Note:

1) The standard plug length is 11.6840 mm(.460 inch) max. Plugs may be made longer than standard or adapted with out cordages, and on apparatus or equipment subject to the limitation described in the section 68.500 introductory paragraphs. Plugs longer than standard may inhibit the special features of some network jack enclosures.
2) A 12.0396 mm (.474 inch) minimum tab length is required. It is preferred that a maximum tab length be no longer than 13.2080 mm (.520 inch). Longer tabs may be used with the same limitations as described in Note 1.
3) All dimensions are expressed in inches.

Unkeyed Plug-6 Position 4

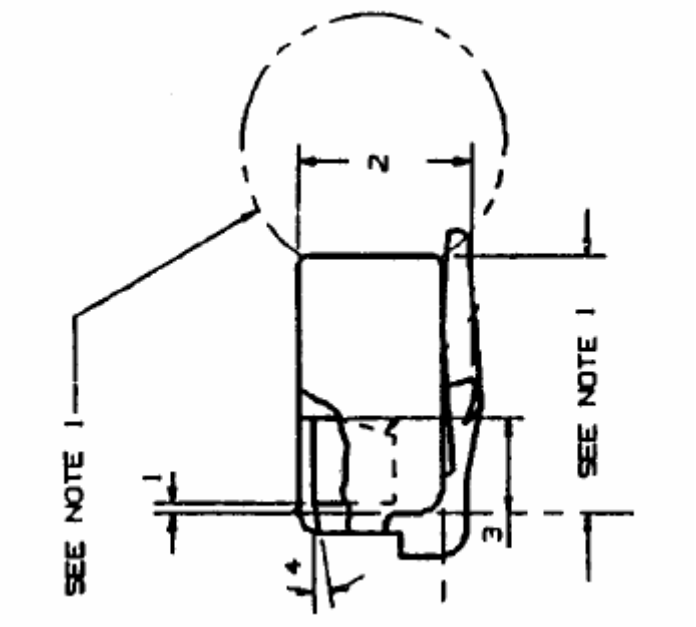


Point of Measurement	Requirements	Results
1	0.022 REF	0.0221
2	0.100 Min	0.104
3	0.020±0.005	0.0232

Note:

1) All dimensions are expressed in inches.

Unkeyed Plug -6 Position 5

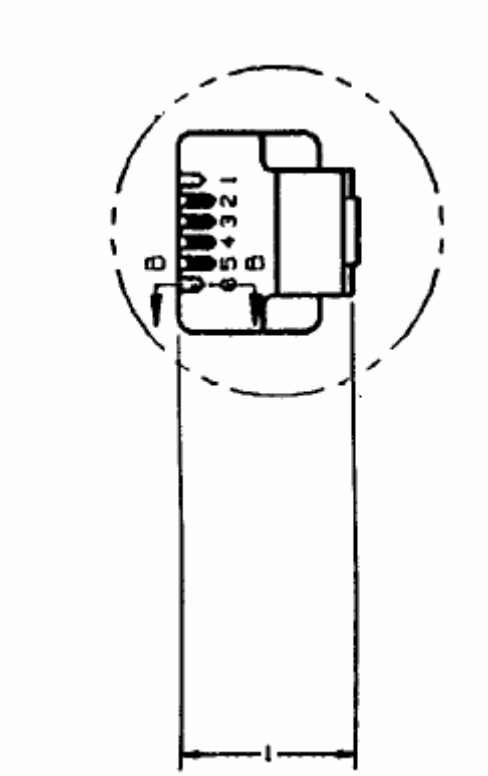


Point of Measurement	Requirements	Results
1	0.020 Min	0.025
2	0.329 REF	0.3291
3	0.180 Min	0.182
4	10° Min	12°

Note:

1) The standard plug length is 11.6840 mm(.460 inch) max. Plugs may be made longer than standard or adapted with out cordages, and on apparatus or equipment subject to the limitation described in the section 68.500 introductory paragraphs. Plugs longer than standard may inhibit the special features of some network jack enclosures.
2) All dimensions are expressed in inches.

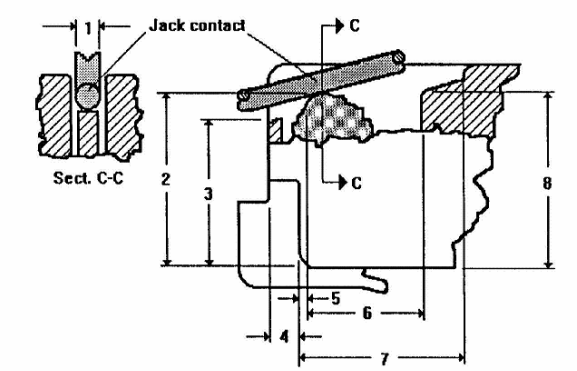
Unkeyed Plug -6 Position 6



Point of Measurement	Requirements	Results
1	0.329 Max	0.3276

Note:
1) All dimensions are expressed in inches.

Unkeyed Plug -6 Position 7

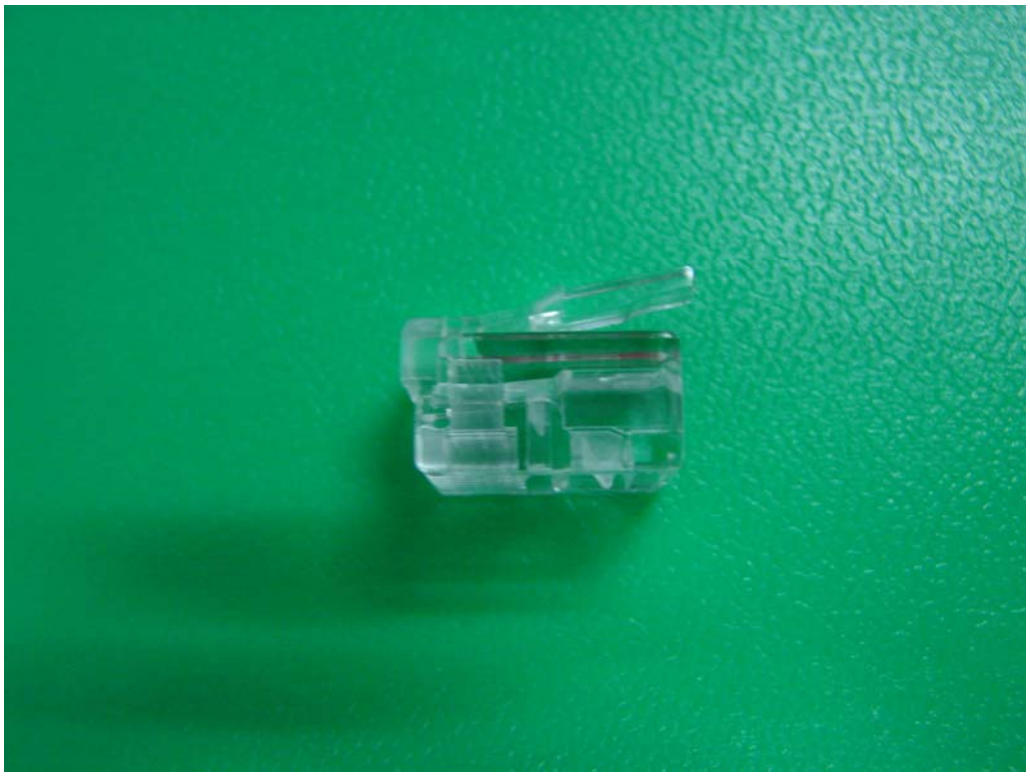


Point of Measurement	Requirement	Results
1	0.0177 to 0.0195	0.0180
2	0.232 to 0.243	0.2334
3	0.200 Max	0.1792
4	0.035 to 0.057	0.0432
5	0.001 to 0.018	0.0106
6	0.110 Min	0.11415
7	0.162 Min	0.2206
8	0.245 Max	0.2380

Note:

1) All dimensions are expressed in inches.

APPENDIX
PHOTOGRAPHS OF SAMPLE



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