TEST REPORT

Applicant : Shenzhen Signal Electronics Co.,Ltd

Address : Building 15, Xia Lang Industrial Zone, He Shui Kou Community, Gongming, Guangming New District, Shenzhen, GD, China.

The following sample information is supplied by the customers:

Sample Name : See next page

Model : See next page

Item/Lot No. : /

Material : /

Supplier : /

Manufacturer : /

Date of Receipt : Jul. 29, 2019

Date of Test : Aug. 01, 2019 to Aug. 05, 2019

Test Summary :

No.	Test Item	Test Basis	Test Conclusion
1	IP6X	Refer to EN 60529-1991/A1:2000	Pass

Note：Pass：Meet requirement；Fail：Not meet requirement；N/A：Do not evaluate or provide test results only

******FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S)******

Signed for and on behalf of

Jiangsu 3E-TEST Technology Co., Ltd

Prepared by:	Reviewed by:	Approved by:
Allen, Wang	Kris, Tao	Irwin, Dong
Project Engineer	Project Leader	Technical Director

1. Sample Information：

Sample No.	Sample name	Model	Quantity
E19072900401	M5 Molding Line Series (male and female) +M5 Panel Series (male and female)	050004-03-002 050004-04-002 050004-05-001 050004-06-001	1 pc
E19072900402	M5 Welding Wire Forming Series (male and female)	050004-20-001 050004-21-001	1 pc
E19072900403	M9 Panel Type Series (male)	090005-03-001	1 pc
E19072900404	M9 Welding Wire Forming Series (male and female)	090005-20-001 090005-21-001	1 pc
E19072900405	M9 molding Line Series (male and female)	090005-05-001 090005-06-001	1 pc
E19072900406	M9 Panel Series (female)	090005-04-001	1 pc
E19072900407	M8 Distribution Box Series	920105-06-001	1 pc
E19072900408	M9 Series assembly type	090005-01-001 090005-02-001	1 pc
E19072900409	M12 Distribution Box Series	920105-08-023	1 pc

2. Test Equipment:

Equipment name	Type	No.	Calibration validity period
Dust Chamber	XB-OTS-P	E/A-IP-06	2020.09.17

3. Environmental Condition:

Temperature: 23.1 ℃; Relative Humidity: 51 %RH

4. Test Basis:

Refer to EN 60529-1991/A1:2000

5. Test Condition:

Test Item	Test Type	Test Conditions
IP6X	Tests for protection against access to hazardous parts	Push a 1.0 mm diameter wire specimen into any opening of the housing with 1N force
	Tests for protection against solid foreign objects	Place the sample in the dustproof box with talc powder dosage of 2 Kg/m^3, Negative pressure is applied to the sample, and the exhaust speed is 50 times the shell

		volume per hour. Test time: 2 h

6. Initial measurements:

Before the test, the appearance of the sample is normal

7. Test Result:

Sample No.	Test Type	Test Result	Technical Requirement	Conclusion
E19072900401	Tests for protection against access to hazardous parts	Metal wire does not enter the shell	Adequate clearance is kept between the access probe and hazardous parts	Pass
	Tests for protection against solid foreign objects	No ingress of dust	No deposit of dust is observable	Pass
E19072900402	Tests for protection against access to hazardous parts	Metal wire does not enter the shell	Adequate clearance is kept between the access probe and hazardous parts	Pass
	Tests for protection against solid foreign objects	No ingress of dust	No deposit of dust is observable	Pass
E19072900403	Tests for protection against access to hazardous parts	Metal wire does not enter the shell	Adequate clearance is kept between the access probe and hazardous parts	Pass
	Tests for protection against solid foreign objects	No ingress of dust	No deposit of dust is observable	Pass
E19072900404	Tests for protection against access to hazardous parts	Metal wire does not enter the shell	Adequate clearance is kept between the access probe and hazardous parts	Pass
	Tests for protection against solid foreign objects	No ingress of dust	No deposit of dust is observable	Pass
E19072900405	Tests for protection against access to hazardous parts	Metal wire does not enter the shell	Adequate clearance is kept between the access probe and hazardous parts	Pass

	Tests for protection against solid foreign objects	No ingress of dust	No deposit of dust is observable	Pass
E19072900406	Tests for protection against access to hazardous parts	Metal wire does not enter the shell	Adequate clearance is kept between the access probe and hazardous parts	Pass
	Tests for protection against solid foreign objects	No ingress of dust	No deposit of dust is observable	Pass
E19072900407	Tests for protection against access to hazardous parts	Metal wire does not enter the shell	Adequate clearance is kept between the access probe and hazardous parts	Pass
	Tests for protection against solid foreign objects	No ingress of dust	No deposit of dust is observable	Pass
E19072900408	Tests for protection against access to hazardous parts	Metal wire does not enter the shell	Adequate clearance is kept between the access probe and hazardous parts	Pass
	Tests for protection against solid foreign objects	No ingress of dust	No deposit of dust is observable	Pass
E19072900409	Tests for protection against access to hazardous parts	Metal wire does not enter the shell	Adequate clearance is kept between the access probe and hazardous parts	Pass
	Tests for protection against solid foreign objects	No ingress of dust	No deposit of dust is observable	Pass

8. Test photo:

Fig.1 Sample photo before the test(1#)

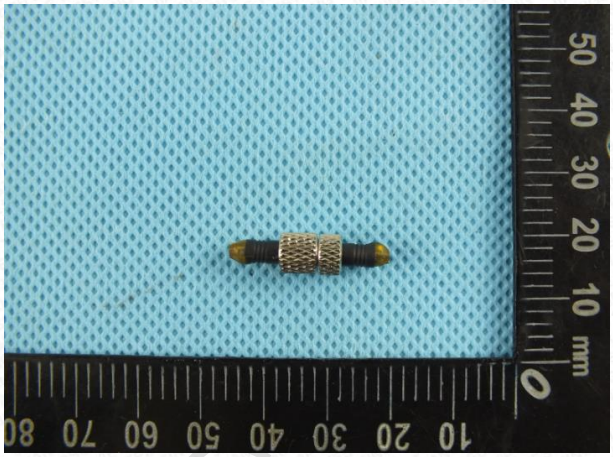

Fig.2 Sample photo before the test(2#)

Fig.3 Sample photo before the test(3#)

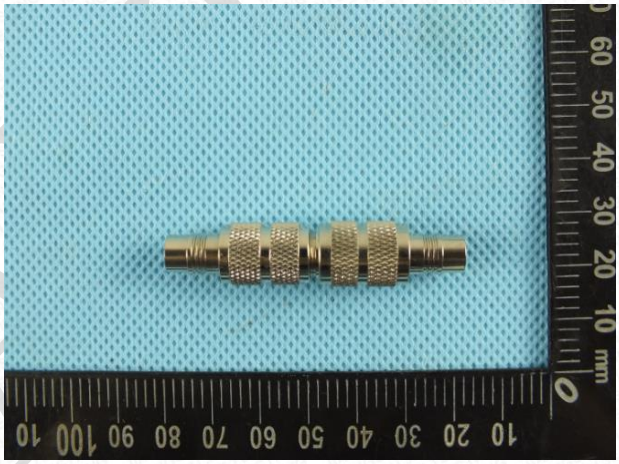

Fig.4 Sample photo before the test(4#)

Fig.5 Sample photo before the test(5#)

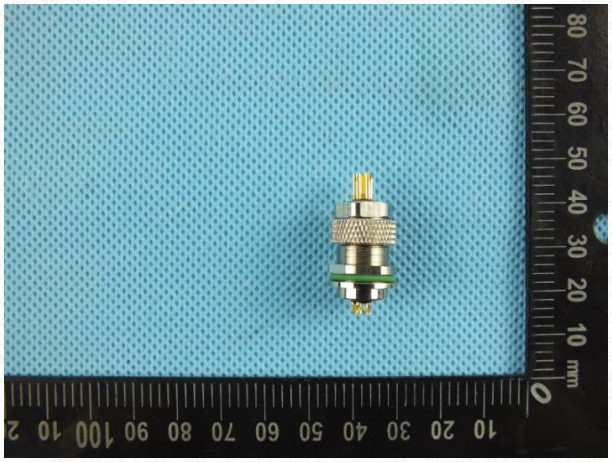

Fig.6 Sample photo before the test(6#)

Fig.7 Sample photo before the test(7#)

Fig.8 Sample photo before the test(8#)

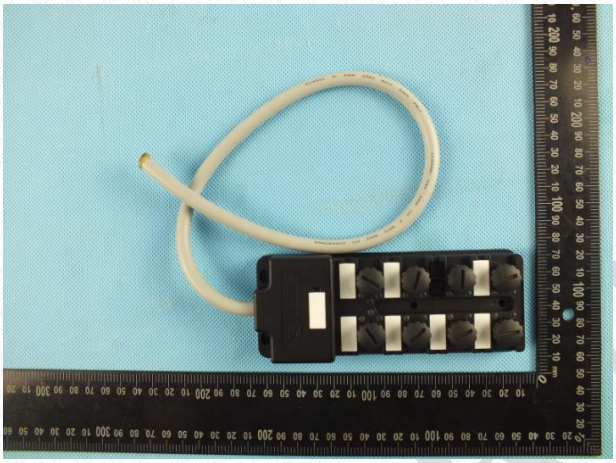

Fig.9 Sample photo before the test(9#)

Fig.10 IP6X test(1#)

Fig.11 IP6X test (2#)

Fig.12 IP6X test(3#)

Fig.13 IP6X test(4#)

Fig.14 IP6X test(5#)

Fig.15 IP6X test(6#)

Fig.16 IP6X test(7#)

Fig.17 IP6X test(8#)

Fig.18 IP6X test(9#)

Fig.19 Sample photo after the test(1#)

Fig.20 Sample photo after the test(1#)

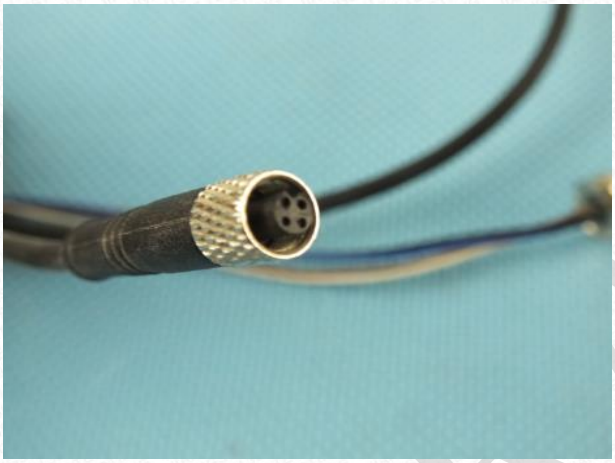

Fig.21 Sample photo after the test(1#)

Fig.22 Sample photo after the test(2#)

Fig.23 Sample photo after the test(2#)

Fig.24 Sample photo after the test(2#)

Fig.25 Sample photo after the test(3#)

Fig.26 Sample photo after the test(3#)

Fig.27 Sample photo after the test(3#)

Fig.28 Sample photo after the test(4#)

Fig.29 Sample photo after the test(4#)

Fig.30 Sample photo after the test(4#)

Fig.31 Sample photo after the test(5#)

Fig.32 Sample photo after the test(5#)

Fig.33 Sample photo after the test(5#)

Fig.34 Sample photo after the test(6#)

Fig.35 Sample photo after the test(6#)

Fig.36 Sample photo after the test(6#)

Fig.37 Sample photo after the test(7#)

Fig.38 Sample photo after the test(7#)

Fig.39 Sample photo after the test(7#)

Fig.40 Sample photo after the test(8#)

Fig.41 Sample photo after the test(8#)

Fig.42 Sample photo after the test(8#)

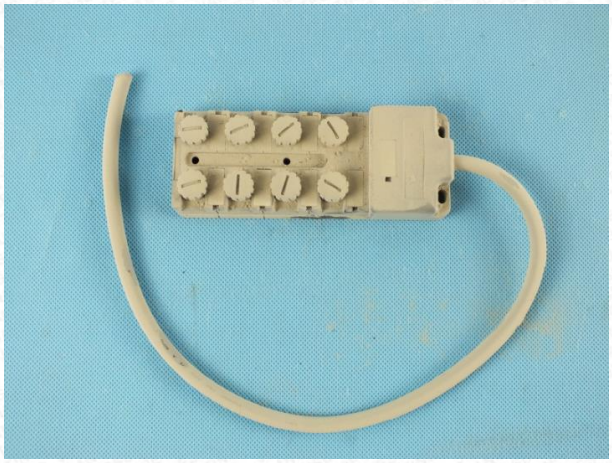

Fig.43 Sample photo after the test(9#)

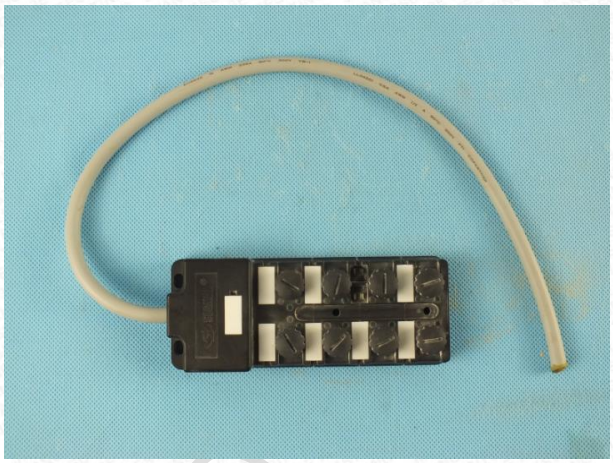

Fig.44 Sample photo after the test(9#)

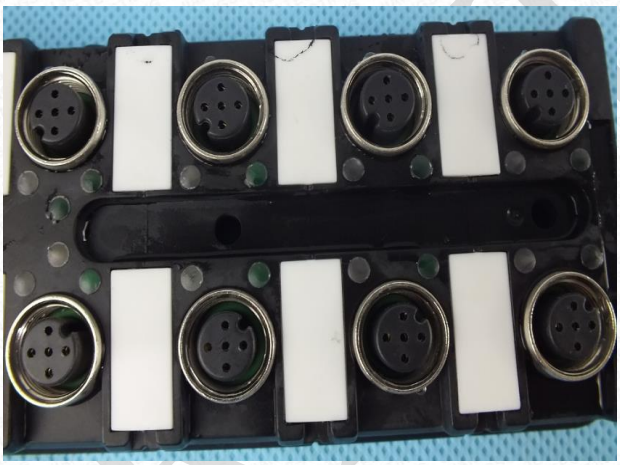

Fig.45 Sample photo after the test(9#)

End of Report*

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