

QUALIFICATION TEST REPORT**認定試験報告書****Seat Track Position Sensor****501-5594 REV.A**

Product Specification :108-5938
Reference Test Report No. :TR-100756 (1746023-1)
:TR-100918 (1746023-2)
Date : 08JUL05
Classification : Unrestricted

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1. Introduction

1.1 Purpose

Testing was performed on the Seat Track Position Sensor to determine if it meets the requirements of Product specification, 108-5938 Rev.A.

1.2 Scope

This report covers the results of electrical, mechanical and environmental performance requirements testing of the Seat Track Position Sensor. The qualification testing was performed between 01FEB04 and 01SEP04.

1.3 Conclusion

Seat Track Position Sensor meets the performance requirements of Product Specification, 108-5938,Rev.A.

1.4 Product Description

This product has been designed for use of automotive sensor.

1.5 Test Samples

Samples were taken randomly from current production. The following samples were used (Fig. 1).

1. はじめに

1.1 目的

本試験はシートポジションセンサーの製品規格 108-5938 Rev.Aに規定された性能必要条件に合致しているかを確認するために行われた。

1.2 適用範囲

本報告書は、シートポジションセンサーの電氣的、機械的および環境的性能必要条件について行った試験内容を記述している。

本製品認定試験は、2004年2月1日から2004年9月1日までに行われた。

1.3 結論

シートポジションセンサーは該当製品規格 108-5938 Rev.Aの性能必要条件に合致していた。

1.4 製品の説明

自動車産業向けに開発したセンサーである。

1.5 試料

試料は現行の生産システムから無作為抽出法によって取り出された。以下の試料が試験に使用された (Fig. 1)。

2.Samples 試料

| Part Numbers 型番 | Description 品名 |
|--------------------|---|
| 1746023-1 | Seat Track Position Sensor |
| 1746023-2 | Seat Track Position Sensor LH |
| 1-967644-1 | MQS SOCKET HOUSING 2 POSITION, mating connector, |

Fig.1

3. Evaluation and method 試験方法

: See Product Specification 108-5938

製品規格 108-5938 参照

4. Product Qualification Test Sequence 製品認定試験と製品適合試験の試験順序

| Test group | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|------------------------------------|---|---|---|---|---|---|---|
| Number of parts | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 2.7.1 Electrical function | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| 2.7.2 Life time test | ○ | | | | | | |
| 2.7.3 High temperature test | ○ | | | | | | |
| 2.7.4 Low temperature test | ○ | | | | | | |
| 2.7.5 Thermal shock test | | ○ | | | | | |
| 2.7.6 Damp heat steady state | | | ○ | | | | |
| 2.7.7 Drop test | | | | ○ | | | |
| 2.7.8 Vibration, broad band random | ○ | | | | | | |
| 2.7.9 Salt splay test | | | | | ○ | | |
| 2.7.10 Chemical resistance | | | | | | ○ | |
| 2.7.11 Water protection test | | ○ | ○ | | | | |
| 2.8 EMC test | | | | | | | ○ |
| 2.7.1 Electrical Function | ○ | ○ | ○ | ○ | | | ○ |
| 2.9 Visual inspection | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

Fig.2

5.Test Contents 試験内容

| Test Group | Test Items (試験項目) | Judgment (判定) | Remark (備考) |
|------------|------------------------------------|---------------|-------------|
| No.1 | 2.7.1 Electrical function | OK | - |
| | 2.7.2 Life Time Test | OK | - |
| | 2.7.3 High Temperature Test | OK | - |
| | 2.7.4 Low Temperature Test | OK | - |
| | 2.7.8 Vibration, broad band random | OK | - |
| | 2.7.1 Electrical function | OK | - |
| | 2.9 Visual inspection | OK | - |
| No.2 | 2.7.1 Electrical function | OK | - |
| | 2.7.5 Thermal Shock Test | OK | - |
| | 2.7.11 Water protection test | OK | - |
| | 2.7.1 Electrical function | OK | - |
| | 2.9 Visual inspection | OK | - |
| No.3 | 2.7.1 Electrical function | OK | - |
| | 2.7.6 Damp heat steady state | OK | - |
| | 2.7.11 Water protection test | OK | - |
| | 2.7.1 Electrical function | OK | - |
| | 2.9 Visual inspection | OK | - |
| No.4 | 2.7.1 Electrical function | OK | - |
| | 2.7.7 Drop Test | OK | - |
| | 2.7.1 Electrical function | OK | - |
| | 2.9 Visual inspection | OK | - |
| No.5 | 2.7.1 Electrical function | OK | - |
| | 2.7.9 Salt spray test | OK | - |
| | 2.9 Visual inspection | OK | - |
| No.6 | 2.7.1 Electrical function | OK | - |
| | 2.7.10 Chemical Resistance | OK | - |
| | 2.9 Visual inspection | OK | - |
| No.7 | 2.7.1 Electrical function | OK | - |
| | 2.8 EMC Test | OK | - |
| | 2.7.1 Electrical function | OK | - |
| | 2.9 Visual inspection | OK | - |

Fig.3