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## 12 WAY MQS STRAIGHT HEADER TO BE SOLDERED ON PRINTED CIRCUIT BOARD

This specification covers the conditions of use, mechanical and electrical performances of AMP 12 way MQS straight headers.

### I. DESCRIPTION

Housing : Material : 20 % glass reinforced PBT.  
Coding : mechanical and visual (colors).

Contacts: Dimension : 0,63 x 0,63 mm.  
Material : bronze.  
Post Plating : tin plated.

### II. REFERENCE DOCUMENT

DESIGNATION	P/N	INTERFACE SPECIFICATION
12 W MQS header	X-185526-X	208-15519

### III. CONDITIONS OF USE

- Temperature
  - operating of temperature : - 40°C / + 85°C
  - test temperature : - 40°C / + 100°C
- Nominal voltage : 12V.
- Sealing : not applicable.

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Translated by J. LAQUERBE

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Approved by

J.J. REVIL

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**IV. TEST**

Tests are carried according to IEC 512 series.

TEST	Ref.	TEST CONDITIONS	REQUIREMENTS
<b>GENERAL EXAMINATION</b>			
VISUAL EXAMINATION	1a		No defect that would impair normal operation
<b>ELECTRICAL TESTS</b>			
INSULATION RESISTANCE	3a	Voltage : 100 V Method A : test between one contact and the others	$R_i \geq 50M\Omega$
DIELECTRIC WITHSTANDING VOLTAGE	4a	Voltage : 1000 V AC during 1 min. A.C.	No breakdown or flashover
<b>MECHANICAL TESTS</b>			
CONTACT RETENTION IN THE HOUSING	15a	Applied an axial force of 25 N	No damage
SOLDERING HEAT TEST		Heat the connector at 160° C for 3 min	No visible damage