

This specification covers the conditions of use, mechanical and electrical performances of Tyco Electronics 26 way MQS straight headers.

## 1. DESCRIPTION

Housing : Material : 20 % glass reinforced PBT.

Coding : mechanical and visual (colors).  
PCB mounting : ears for rivets or screws.  
Polarization on the PCB.

Contacts: Dimension : 0,63 x 0,63 mm.

Material : bronze.

Plating : pre tin plated or post plating - selective gold plated over nickel on contact area.  
- selective tin plated over nickel on soldered area.

## 2. REFERENCE DOCUMENT

P/N	Interface specification	Pcb interface
X-185226-X	208-15550	See customer drawing

## 3. 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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#### 4. 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 test</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 test</b>			
Free fall	Ed	Fall from 1 meter height on hard concrete	No damage
Contact retention in the housing	15a	Applied a axial force of 25 N	No damage
Soldering heat test		Heat the connector at 160°C for 3 min	No visible damage
Keying on the pcb		Applied force 50 N	Will not fit the PCB
Polarization on the pcb	13c	Applied force 50 N	Will not fit the PCB