



The product described in this document has not been fully tested to ensure conformance to the requirements outlined below. Therefore, TE Connectivity (TE) makes no representation or warranty, express or implied, that the product will comply with these requirements. Further, TE may change these requirements based on the results of additional testing and evaluation. Contact TE Engineering for further details.

MT-2 SLD 10P

1. SCOPE

1.1. Content

This specification covers the requirements for product performance, test methods and quality assurance provisions of MQS 6P(new)

1.2. Qualification

When tests are performed on the subject product line, procedures specified in Figure 1 shall be used. All inspections shall be performed using the applicable inspection plan and product drawing.

1.3. Qualification Test Results

Successful qualification testing on the subject product line has not been completed. The Qualification Test Report number will be issued upon successful qualification testing.

2. APPLICABLE DOCUMENTS AND FORMS

The following documents and forms constitute a part of this specification to the extent specified herein. Unless otherwise indicated, the latest edition of the document applies.

2.1. TE Documents

- 2219417 : CUSTOMER DRAWING FOR PLUG ASS'Y COVER FOR MT-II SEALED 10P
- 2109234 : CUSTOMER DRAWING FOR CAP HSG COVER FOR MT-II SEALED 10P

3. REQUIREMENTS

3.1. Design and Construction

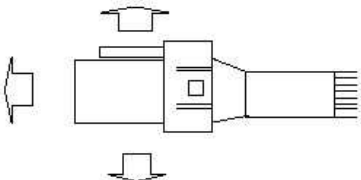
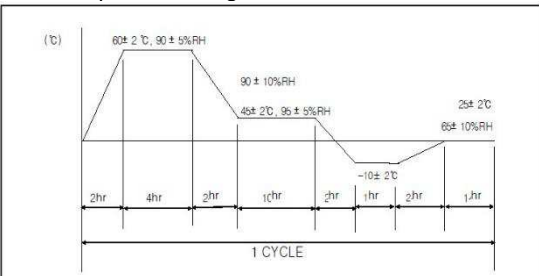
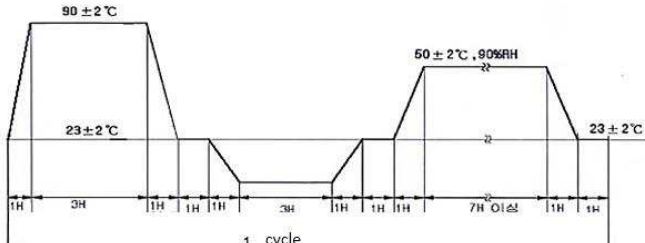
Product shall be of the design, construction, materials and physical dimensions specified on the applicable product drawing.

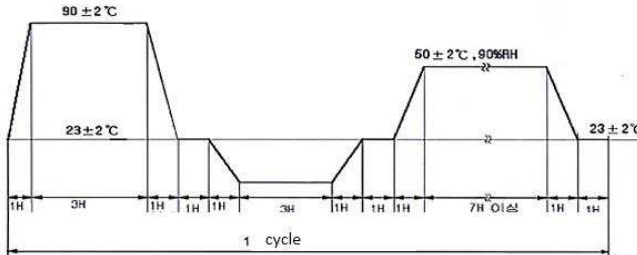
3.2. Ratings

Temperature	Humidity
25±5°C	60±20%

3.3. Test Requirements and Procedures Summary

Unless otherwise specified, all tests shall be performed at ambient environmental conditions.

TEST DESCRIPTION	REQUIREMENT		PROCEDURE
Cold temperature test	Appearance	No crack, damage, distortion are permitted	<p>Leave connector with terminal assembled in temperature chamber of -40°C for 120 hours. Drop it onto the concrete surface from 1m height 3 times in the direction of figure 6-1. (Voltage drop & Temperature rise test perform at normal temperature) :</p>  <p style="text-align: right;"><Figure 6-1></p>
Temperature humidity test	Appearance	No crack, damage, distortion are permitted	<p>Engage and disengage connector with terminal assembled 10 times with hands, and leave it at 25°C ambient temperature and 65% relative humidity for 25 hours. And perform 5 cycles of the method specified in figure 6-3</p>  <p style="text-align: center;">< Figure 6-3 : Test pattern ></p>
Humidity heat cycle test	Appearance	No crack, damage, distortion are permitted	<p>Leave it in temperature chamber of the condition specified in the figure and perform 3 cycles</p> 
Water resistance test	Appearance	No crack, damage, distortion are permitted	<p>Leave it at $40\pm 2^{\circ}\text{C}$ for 240 hours in the water. Wash it under running water, drain and dry using air blower. Leave it at normal condition for 1 hour.</p>
Drug-resistant test	Appearance	No crack, damage, distortion are permitted	<p>Test fluid : Gasline, film protection wax, wax remover, brake fluid, antifreeze, engine oil, wind shild washer fluid, glossy wax, benzene or toluene, non-flammable cleaning agents</p> <p>A) Wipping test Allow the test solution to soak 5 ml, $250 * 250$ mm in a 4-fold folded medicinal gaze, and wipe it lightly 2 to 3 times to soak the effective surface of the test product. Leave it in the standard condition for 30 minutes and observe the appearance. Leave it in temperature chamber of the condition specified in the figure and perform 1 cycles and Clean the test fluid and observe its appearance.</p> <p>B) Spot test Pour 0.2 ml of the test solution directly onto the effective surface of the disclosed item, such as SPOIDE, and leave it in the</p>

			<p>standard state for one hour. Leave it in temperature chamber of the condition specified in the figure and perform 1 cycles and Clean the test fluid and observe its appearance.</p> 
--	--	--	---

3.4. Applied Part No List

TE Part no	Description
2219417-2	PLUG ASSY COVER FOR MT-II SEALED 10P
2219418-2	CAP HSG COVER FOR MT-II SEALED 10P