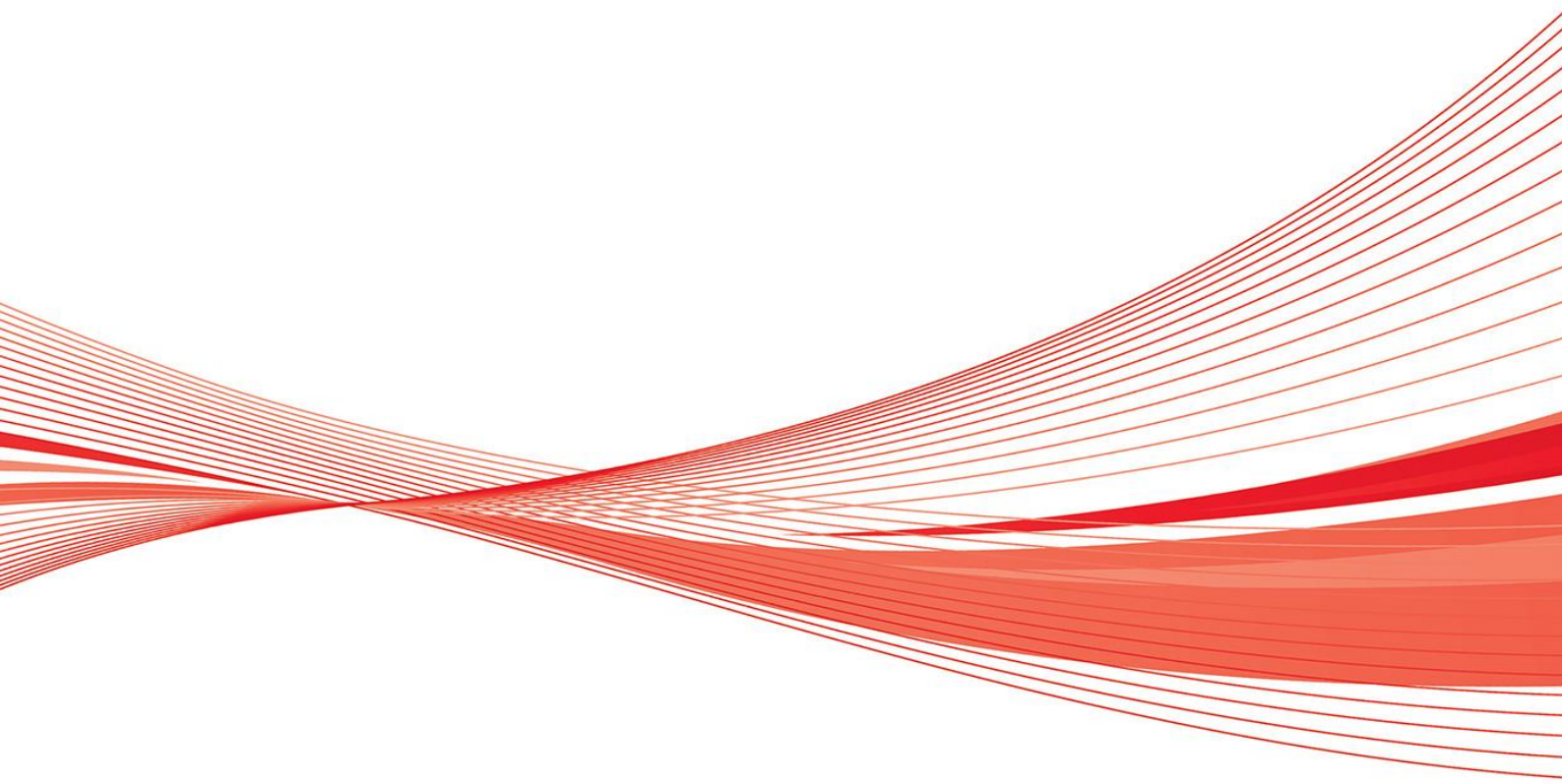
HARWiN

Harwin Test Report Summary

HT01601

Detailed Environmental Testing of Datamate (M80 Series) L-Tek Crimp

Datamate



harwin.com

1. Introduction.

1.1. Description and Purpose.

The Harwin Datamate (M80 Series) connector is manufactured to the requirements of BS9525-F0033. The following tests were carried out to test the crimped Datamate socket contacts for insertion and withdrawal forces as well as contact resistance, by taking detailed readings all the way up to 500 cycles.

1.2. Conclusion.

The following data has been collated from Harwin test report 147. The connectors tested met the BS9525-F0033 specification for insertion, withdrawal and contact resistance initially, during and after multiple engagements and separations up to 500 operations. Further, the product remained very consistent and stable through the operating cycles.

2. Test Method, Requirements and Results.

2.1. List of Test Samples.

a) M80-0110005 – Female L-Tek crimp contact, Large Bore

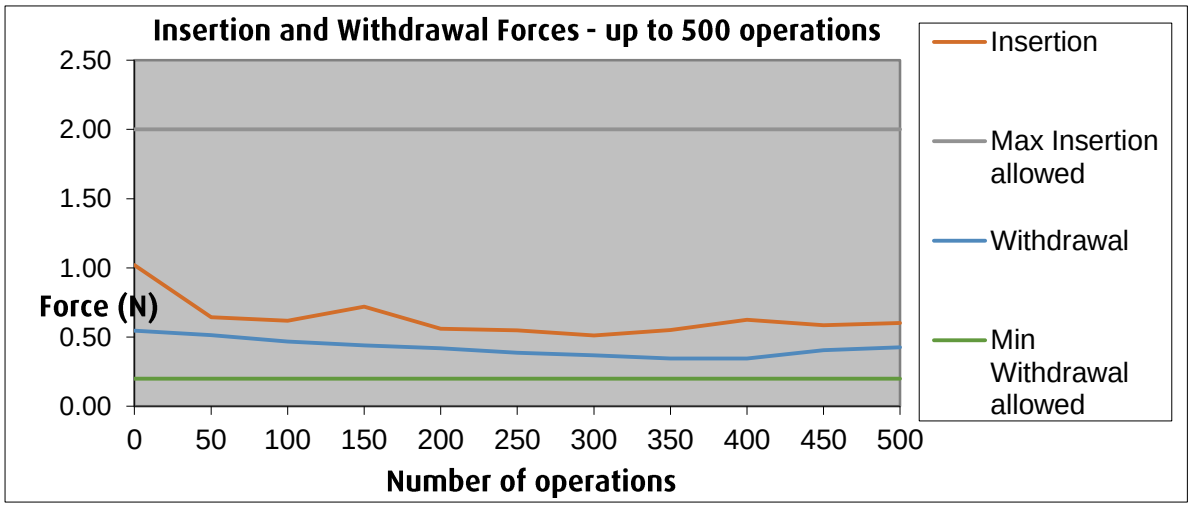
2.2. Specification Parameters.

The requirements of BS9525-F0033 are as follows:

	Contact Insertion	Contact Withdrawal	Contact Resistance
M80-0110005	2N max	0.2N min	20mΩ initial, 25mΩ after conditioning

2.3. Test Method and Results.

a) Insertion and Withdrawal Forces:
Spare male contact pins were used as a test pin.



b) Contact Resistance