

EIA-364-1002A

EIA STANDARD

TP-1002A

Test Methodology for Assessing the Performance of Compliant Contact Terminations Used as Free Standing Contacts or in Electrical Connectors and Sockets

EIA-364-1002A

(Revision of EIA-364-1002)

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Electronic Components Industry Association

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(From Standards Proposal No. 5347.06 formulated under the cognizance of the CE-2.0 Committee on EIA National Connector and Sockets Standards and reaffirmed by Standards Proposal No. 5462.04.)

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CONTENTS

Clause	Page
1 Introduction	1
1.1 Scope	1
1.2 Content	1
2 Test boards	2
2.1 Material	2
2.2 Board thickness	2
2.3 Number of layers	2
2.4 Plated through holes	2
2.5 Spacing	2
2.6 Board length	2
3 Test sequence	3
4 Test preparation	4
5 Test procedures and requirements	4
5.1 General	4
5.2 Visual	4
5.3 Vibration (random)	5
5.4 Thermal shock	5
5.5 Humidity	6
5.6 Temperature life	6
5.7 Mixed flowing gas	7
5.8 Retention force	7
5.9 Insertion force	7
5.10 Compliant contact termination resistance	8
5.11 Plated through hole conditioning/integrity	8
6 Sample size	9
7 Details to be specified	9
8 Test documentation	10
Figure	Page
1 Test plan flow diagram	3

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TEST SEQUENCE No. 1002

TEST METHODOLOGY FOR ASSESSING THE PERFORMANCE OF COMPLIANT CONTACT TERMINATIONS USED AS FREE STANDING CONTACTS OR IN ELECTRICAL CONNECTORS AND SOCKETS

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1 Introduction

1.1 Scope

This standard establishes the test procedures and test sequences for evaluating compliant contact terminations. The test sequences defined herein shall be considered generic. Unless otherwise specified in the referencing document, this standard applies to the following types of contacts with compliant contact terminations.

- Contacts that are supplied as separate items, but may be inserted into a housing
- Free standing contacts that are not used in a housing

1.2 Content

1.2.1 This standard shall not be substituted for any standard defining qualification of connectors or sockets. This document does not address other performance characteristics relative to connectors or sockets. Qualification testing described herein is specifically for the termination portion of a contact.

1.2.2 The qualification testing established herein is specifically for the compliant contact termination. It includes the assessment of the electrical characteristics between the compliant section and the plated-thru-hole of the test board. It also assesses the mechanical characteristics (insertion and retention forces) and the plated thru hole integrity (repair and conditioning) when this termination style is used. Figure 1 indicates when these tests shall be performed.