Poster Session



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Design method to endure the stress by high spring pin counts on the wafer test

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Introduction

BACKGROUND

• Probe Card connects physically and electrically between Automatic Test Equipment (ATE) and Device Under Test (DUT) in wafer test.

- High parallelism probe card as low cost test solution [1-2]
 - about 1,536 parallelism for one touch down test per wafer
 - up to about 100,000 probe pins & about 50,000 pogo pins

• High risk of the crack or break in ceramic due to the increased stress by the huge number of probe/pogo pins

• In this work, we present the endurable ceramic design which is strong against the compression stress and the thermal deformation.



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