

Reliability Building for Electronic Components

Marius BĂZU^{1*}, Titu BĂJENESCU²

¹ National Institute for Research and Development in Microtechnologies, IMT-Bucharest, Romania

² La Conversion, Switzerland

Abstract

The concept of reliability building is defined and compared with reliability assessing, the other side of reliability as discipline. Then, the basic elements of reliability building are detailed for the case of electronic components: Building-in reliability, Process reliability, Concurrent engineering, Screening, Burn-in. For each element, the recommended usage in order to achieve the desired built-in reliability of the final product is shown.

Key words: *Building-in reliability, Process reliability, Concurrent engineering, Screening, Burn-in.*