



ELECTROSTATIC DISCHARGE ASSOCIATION

ESD Association Standards Committee **Interpretation Bulletin**

The ESD Association Standards Committee is issuing this interpretation bulletin regarding ANSI/ESD SP5.1.1-2006, Electrostatic Discharge Sensitivity Testing Human Body Model (HBM) and Machine Model (MM) Alternative Test Method: Supply Pin Ganging Component Level.

This bulletin modifies the requirements specified in Section 7.1.5 (Pin Combinations) of ANSI/ESD SP5.1.1-2006. Section 7.1.5 can now be modified to add: "For those components with power and ground leads connected through common, very low-resistance power and ground planes in the package, the number of power and ground leads included in a stress pin group can be reduced to a single power or ground pin.

Recent HBM ESD test data indicates that the HBM testing of a power or ground pins in this type of package can result in unexpected cumulative overstress of those pins in the pin group and can result in lower than expected HBM fail voltages.

The working group responsible for ANSI/ESD SP5.1.1-2006 expects that this update will also be applied to ANSI/ESD STM5.1 as soon as the test method revision procedure has been completed.

As more information becomes available, the ESD Association Standards Committee will post updates on the ESD Association web site (www.esda.org).

Comments can be sent to the ESD Association by one of the following methods:

Email: info@esda.org

Fax: 315-339-6793

Michael Chaine
Working Group 5.1 Chairman

Tim Jarrett
Standards Chairman