

IDS Terms and Conditions Guide
Section Q

Clause Number: Q123W
Effective: 05/12/2005
Page: 1 of 1

ELECTROSTATIC DISCHARGE (ESD) – PACKAGING

Devices purchased on this contract are susceptible to damage or degradation from application of electrostatic discharges and shall be packaged in the following manner:

Printed circuit board assemblies shall be labeled with an ESD caution label and shall be wrapped or cushioned in a manner to prevent pins from penetrating the static shielding bag.

Dual in line packaged (DIP) devices packaged in rails shall be restrained from sliding back and forth (1 inch maximum travel). DIP devices contained in anti-static, rails need to be placed in a static shielding bag. DIP devices not contained in rails shall have the leads shorted in conductive non-corrosive foam or other conductive material and placed inside a static shielding bag. Packaging shall be a maximum of 50 pieces per bag or rail.

Axial lead devices such as resistors, diodes, etc., may be shipped without having their leads shorted. These devices shall then be packed in a static shielding bag.

Shop Replaceable Assembly (SRA), Shop Replaceable Unit (SRU), Weapons Replaceable Assembly (WRA), Line Replaceable Units (LRUs) shall be labeled with an ESD caution label and connectors capped with conductive caps or protected by equivalent ESD protection.

Static-shielding bags shall meet the requirements of one of the following:

- ANSI/ESD-STM11.31 -- less than 50 nanoJoules
- EIA-541 Probe Electrostatic Shielding Property Test – Test voltage of 1000 volts input will have <30 volts peak sensed by the probe

NOTE: MIL-PRF-81705, Type I and III or BMS15-15 films are acceptable static shielding materials.

Except as noted above for DIP devices, antistatic materials (e.g., MIL-PRF-81705, Type II) shall not be used as packaging material in intimate contact with ESDS devices.

Non-conductive or static generating wrapping or cushioning material is unacceptable.

All primary and intermediate packages as well as all shipping containers shall be clearly labeled with an ESD caution label. Electrostatic sensitive devices not shipped in accordance with this condition shall be considered nonconforming goods and subject to all applicable remedies as set forth elsewhere in this contract. If the above does not apply to the item(s) being procured on this contract, this note is self-deleting for those items.