

ELECTROSTATIC DISCHARGE

Devices purchased on this contract are susceptible to damage or degradation from application of electrostatic discharges and should 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 anti-static, static dissipative, or conductive layer, and placed inside a conductive bag. Devices contained in conductive, anti-static, or static dissipative rails need to be placed in a conductive bag. Devices not contained in conductive, static dissipative, or anti-static rails shall have the leads shorted in conductive noncorrosive foam or other conductive material and placed inside a conductive bag. Axial lead devices such as resistors, diodes, etc., may be shipped without having their leads shorted. These devices shall then be packed in a laminated bag (anti-static inner layer plus a middle or outer conductive layer).

Packaging shall be a maximum of 50 pieces per bag or rail. Conductive noncorrosive material is defined as having a maximum surface resistivity of 10 to the fifth power ohms per square or less. Static dissipative material is defined as having a surface resistivity of greater than 10 to the fifth, but not greater than 10 to the ninth ohms per square. Antistatic material is defined as having a surface resistivity greater than 10 to the ninth power but less than 10 to the fourteenth power ohms per square. Anti-static or static dissipative material is acceptable when a conductive layer or bag is utilized.

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

SRA/SRU/WRA/LRU(s) shall be labeled with an ESD caution label and connectors capped with conductive caps or protected by equivalent ESD protection.

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.