

Application Note APNE-0001

Standards Related to Static Electricity

ASTM Standards

ASTM F-150 — Standard Test Method for ELECTRICAL RESISTANCE OF CONDUCTIVE RESILIENT FLOORING

ASTM D-257 — Standard Test Methods for D.C. RESISTANCE OR CONDUCTANCE OF INSULATING MATERIALS

ASTM D-2679 — Standard Test Method for ELECTROSTATIC CHARGE * (*Discontinued, replaced by D-4470*)

ASTM D-3509 — Standard Test Method for ELECTROSTATIC FIELD STRENGTH DUE TO SURFACE CHARGES *
(*Discontinued, replaced by D-4470*)

ASTM D-4470 — Standard Test Method for STATIC ELECTRIFICATION

*(Copies of these two standards, if obtainable, contain pertinent useful information.)

ASTM Standards are available from -

American Society for Testing and Materials
1000 Barr Harbor Drive
West Conshohocken, PA 19428-2959
Phone (610) 832-9500
Fax (610) 832-9555

EOS/ESD Association Standards

EOS/ESD ASSOCIATION STANDARD NO. 1 — Wriststraps

EOS/ESD ASSOCIATION STANDARD NO. 3 — Ionization

EOS/ESD ASSOCIATION STANDARD NO. 4 — Worksurfaces — Resistive characterization

EOS/ESD ASSOCIATION STANDARD NO. 5.1 — Human Body Model (HBM) Electrostatic Discharge Sensitivity Testing

EOS/ESD ASSOCIATION STANDARD NO. 5.2 — Machine Model (MM) Electrostatic Discharge Sensitivity Testing

EOS/ESD ASSOCIATION STANDARD NO. 5.3 — Charged Device Model (CDM) Electrostatic Discharge Testing

EOS/ESD ASSOCIATION STANDARD NO. 6 — Grounding - Recommended Practice

EOS/ESD ASSOCIATION STANDARD NO. 7 — Floor Materials — Resistive Characterization of Materials

EOS/ESD ASSOCIATION STANDARD NO. 8 — ESD Awareness Symbols

EOS/ESD ASSOCIATION STANDARD NO. 11.11 — Surface Resistance Measurement of Static Dissipative Planar
Materials

EOS/ESD ASSOCIATION STANDARD NO. 11.31 — Packaging -Shielding Bags

EOS/ESD Association standards are available from -

EOS/ESD Association, Inc.
7902 Turin Rd.
Suite 4
Rome, NY 13440-2069
Phone (315) 339-6937
Fax (315) 339-6793

NFPA (National Fire Protection Association) Standard

NFPA 99 — HEALTH CARE FACILITIES

website: www.monroe-electronics.com

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e-mail: monroe@monroe-electronics.com

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NFPA standards are available from -

National Fire Protection Association
Batterymarch Park
Quincy, MA 02269-9904
Phone (800) 344-3555

EIA (Electronic Industries Association) Standards

EIA-541 — Packaging Material Standards for ESD Sensitive Items

EIA-625 — Requirements for Handling Electrostatic-Discharge Sensitive (ESDS) Devices

EIA Standards are available from -

ELECTRONIC INDUSTRIES ASSOCIATION
2500 Wilson Boulevard
Arlington, VA 22201-3834
Phone (703) 907-7500
Fax (703) 907-7501

Monroe Electronics does not supply copies of these standards.

DoDISS Documents

DOD-STD-1686A — Military Standard — Electrostatic discharge control program for protection of electrical and electronic parts, assemblies and equipment (excluding electrically initiated explosive devices)

FED-STD-209C — Federal Standard — Clean room and work station requirements, controlled environment

DOD-HDBK-263 — Military Handbook — Electrostatic discharge control handbook for protection of electrical and electronic parts, assemblies and equipment (excluding electrically initiated explosive devices)

MIL-HDBK-263A — Military Handbook — Electrostatic discharge control handbook for protection of electrical and electronic parts, assemblies and equipment (excluding electrically initiated explosive devices) 22 February 1991
Superseding DOD-HDBK-263

MIL-STD-883C — Notice — Method 3015.6 — Electrostatic discharge sensitivity classification

FEDERAL TEST METHOD — STANDARD NO. 101C — Test procedures for packaging materials