

ESD association advisory

*for the Protection of Electrostatic
Discharge Susceptible Items-*

ESD Protective Workstations

*Electrostatic Discharge Association
7900 Turin Road, Bldg 3
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®

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for the protection of
electrostatic discharge susceptible items-

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Approved February 7, 1995



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Foreword **Protection by grounding.** Protection of electrostatic discharge (ESD) susceptible items is accomplished by providing a path to bring static dissipative materials, conductive materials and personnel to the same electrical potential; that same potential is arbitrarily selected to be zero potential, as exists at ground. Workstations used in processing of ESD susceptible items are intended to maintain a near zero potential by providing ground paths for basic components of the workstation, as well as a connection point for personnel grounding apparatus.

Additional ESD Protective Workstation Components. Dependent upon applications, subject to the discretion of the specifying activity, other workstation components could be employed which may have electrical properties which should be evaluated. Such components may include: Seating, Ionizers, Dispensing Bins/Packaging, Soldering Irons, Hand Tools, Light Fixtures, Continuous Ground Monitors, CRTs, Keyboards, Flooring/Floor Mats, and Magnifiers. Evaluation of these components is beyond the scope of this advisory; however, specifying activities should verify that none of the components are capable of creating damaging ESD events, and that conductive surfaces on the components are at a common electrical potential with ESD susceptible items when the items are exposed to the components.

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