

ANSI/ESD S8.1-2021

ESD Association Standard

ANSI/ESD S8.1-2021
Revision of ANSI/ESD S8.1-2017



*For the Protection of Electrostatic
Discharge Susceptible Items*

Symbols

*Electrostatic Discharge Association
7900 Turin Road, Bldg. 3
Rome, NY 13440-2069*

*An American National Standard
Approved May 13, 2021*

*ESD Association Standard
for Protection of Electrostatic Discharge
Susceptible Items*

Symbols

Approved November 11, 2020

EOS/ESD Association, Inc.



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FOREWORD

Many symbols have been used over time to designate susceptibility, protectability, and common point ground. This document describes the three symbols that have been widely used since the early 1990's and have gained acceptance globally. The symbols have been used by military and commercial organizations and appear in international standards related to electrostatic control.

This standard¹ was originally designated EOS/ESD S8.1-1993 and approved on June 9, 1993. ANSI/ESD S8.1-2001 was a reaffirmation of EOS/ESD S8.1-1993 and was approved on September 9, 2001. ANSI/ESD S8.1-2007 was a reaffirmation of ANSI/ESD S8.1-2001 and was approved on September 16, 2007. ANSI/ESD S8.1-2012 is a revision of ANSI/ESD S8.1-2007 and was approved on June 10, 2012. ANSI/ESD S8.1-2017 was a revision of ANSI/ESD S8.1-2012 and was approved on December 7, 2016. ESD WIP8.1-2020 is a revision of ANSI/ESD S8.1-2017 and was approved on November 11, 2020. ANSI/ESD S8.1-2021 was reviewed and revised by EOS/ESD Association, Inc.'s Technical and Administrative Support Committee.

At the time ANSI/ESD S8.1-2021 was prepared, EOS/ESD Association, Inc.'s Technical and Administrative Support Committee had the following members:

	Kevin Duncan, Chair Seagate Technology	
Brett Carn Intel Corporation	Lorenzo Cerati STMicroelectronics	Marcel Dekker MASER Engineering
Reinhold Gaertner Infineon Technologies AG	Matt Jane Tesla	John Kinnear IBM
Chuck McClain Micron Technology	Nathaniel Peachey Qorvo	Wolfgang Stadler Intel Deutschland GmbH
	Terry Welsher Dangelmayer Associates	

¹ **ESD Association Standards (S):** A precise statement of a set of requirements to be satisfied by a material, product, system, or process that also specifies the procedures for determining whether each of the requirements is satisfied.

The following individuals contributed to the development of EOS/ESD S8.1-1993, ANSI/ESD S8.1-2012, and/or ANSI/ESD S8.1-2017:

Brett Carn Intel Corporation	Lorenzo Cerati STMicroelectronics	Kevin Duncan Seagate Technology
Rob Elder Eastman Kodak Co.	Reinhold Gaertner Infineon Technologies	Evan Grund Grund Technical Solutions, LLC
Leo G. Henry ESD/TLP Consultants, LLC	Joe Jesse Key Industries Inc.	John Kinnear IBM
Steve Koehn 3M Company	Adrienne Kudlich Digital Equipment Corp.	Bob Parr Motorola GSTG
Nathaniel Peachey RF Micro Devices	Chet Rataski IBM	Wolfgang Stadler Intel Deutschland GmbH
David E. Swenson Affinity Static Control Consulting, LLC	Fred Tenzer DESCO Industries	Scott Ward Texas Instruments
Ed Weggeland S.P.I.	Terry Welsher Dangelmayer Associates	Eugene Williams Static Control Services Inc.

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ESD Association Standard for the Protection of Electrostatic Discharge Susceptible Items – Symbols

1.0 PURPOSE AND SCOPE

1.1 Purpose

The purpose of this document is to standardize and clarify the meaning of commonly available and in-use symbols.

The correct usage of symbols will eliminate confusion between symbols that indicate an item is ESD susceptible and those that indicate an item or material is designed to afford some degree of ESD protection. This symbol standard is developed in accordance with international graphical guidelines and standards.

1.2 Scope

This document covers the ESD susceptibility, ESD protective, and ESD common point ground symbols.

The application of these ESD symbols on products is at the discretion of the supplier and does not constitute or imply a specific level of product performance.

2.0 REFERENCED PUBLICATIONS

Unless otherwise specified, the following documents of the latest issue, revision or amendment form a part of this standard to the extent specified herein:

ESD ADV1.0, Glossary of Terms²

ANSI/ESDA/JEDEC JS-001, Human Body Model (HBM) – Component Level²

ANSI/ESDA/JEDEC JS-002, Charged Device Model (CDM) – Device Level²

ANSI/ESD S6.1, Grounding²

Symbols are available for complimentary download at www.esda.org.

3.0 DEFINITIONS

The terms used in the body of this document are in accordance with the definitions found in ESD ADV1.0, Glossary available for complimentary download at www.esda.org.

4.0 ESD SUSCEPTIBILITY SYMBOL

The ESD susceptibility symbol incorporates a reaching hand in a triangle with a slash through it and is used to indicate that an item is susceptible to damage from an ESD event.

² EOS/ESD Association, Inc., 7900 Turin Road, Bldg. 3, Rome, NY 13440; 315-339-6937; www.esda.org