

ANSI/ESD S13.1-2019

ESD Association Standard

ANSI/ESD S13.1-2019
Reaffirmation of ANSI/ESD S13.1-2015



*For the Protection of Electrostatic
Discharge Susceptible Items*

*Electrical Soldering/Desoldering
Hand Tools*

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

*An American National Standard
Approved January 14, 2020*

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

Electrical Soldering/Desoldering Hand Tools

Approved September 23, 2019
EOS/ESD Association, Inc.



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FOREWORD

Electrical overstress (EOS), and electrostatic discharge (ESD) can damage or degrade certain electronic components and assemblies. The intent of this standard is to provide test requirements for soldering/desoldering hand tools used in ESD Safe work areas or on materials that are deemed to be ESD sensitive. The methods described herein can be used during procurement, qualification, and verification of soldering/desoldering hand tools to verify that electrical integrity has not been compromised that could result in EOS/ESD damage. There has been no attempt to define how the soldering irons are to be used.

This standard¹ was originally approved on May 21, 2000, and was designated ESD STM13.1-2000. ANSI/ESD S13.1-2015 is a revision and redesignation of ESD STM13.1-2000 and was approved on June 23, 2015. ANSI/ESD S13.1-2019 is a reaffirmation of ANSI/ESD S13.1-2015 and was approved on September 23, 2019.

¹ **ESD Association Standard (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.

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