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Common Point Ground for Bench Mat and Two Wrist Straps



**Grounds Snaps to Bench Mat and Accepts
Two Wrist Straps**

Features and Benefits:

- **Two banana jacks**
Provides two grounding points for wrist straps or carts
- **Ring terminal at end of ground cord**
Allows easy attachment to electrical ground
- **Low profile**
Reduces snagging of clothes and work instruments
- **Extra ring terminal included**
Allows for customizing cord length
- **Two versions available**
User can choose between snap socket and snap stud as needed
- **Available as a kit**
14213 Kit includes one 09826 common point ground and one 09864 universal snap kit
- **Made in America**

P/N	Description
14213	Complete Bench Ground Kit, With Resistor
09826	With Resistor, 10mm Stud, 15' Cord
09825	Without Resistor, 10mm Stud, 15' Cord
09821	With Resistor, 10mm Socket, 10' Cord
09820	Without Resistor, 10mm Socket, 10' Cord

Drawings [09820](#) and [09825](#)

Technical Bulletin [TB-2003](#)

Request Technical Bulletin [TB-2000](#) for Installation and Maintenance of ESD Protected Work Surfaces

NOTE:

Per ESD 6.1 "Provisions may be made to include a resistor where it may be required for a purpose other than ESD."

ESD Handbook TR 20.20 paragraph 5.1.3 Basic Grounding Requirements

"The first step in ensuring that everything in an EPA is at the same electrical potential is to ground all

conductive components of the work area (worksurfaces, people, equipment, etc.) to the same electrical ground point. This point is called the common point ground. The next step in completing the ground circuit is to connect the common point ground to the equipment ground (third wire, green)"

One Megohm resistor is required in wrist straps, however, the recommended practice is hard ground per ANSI/EOS/ESD S6.1 that is no resistor between the common point ground terminal and a worksurface, floor mat, or shelving. Per ANSI/ESD S20.20 Table 1 Grounding System Technical Requirement, the Recommended Range is less than 1 ohm AC impedance.

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