

DATASHEET



ESD Safety

ESD TABLE MAT (GROUNDING TOOL SET)

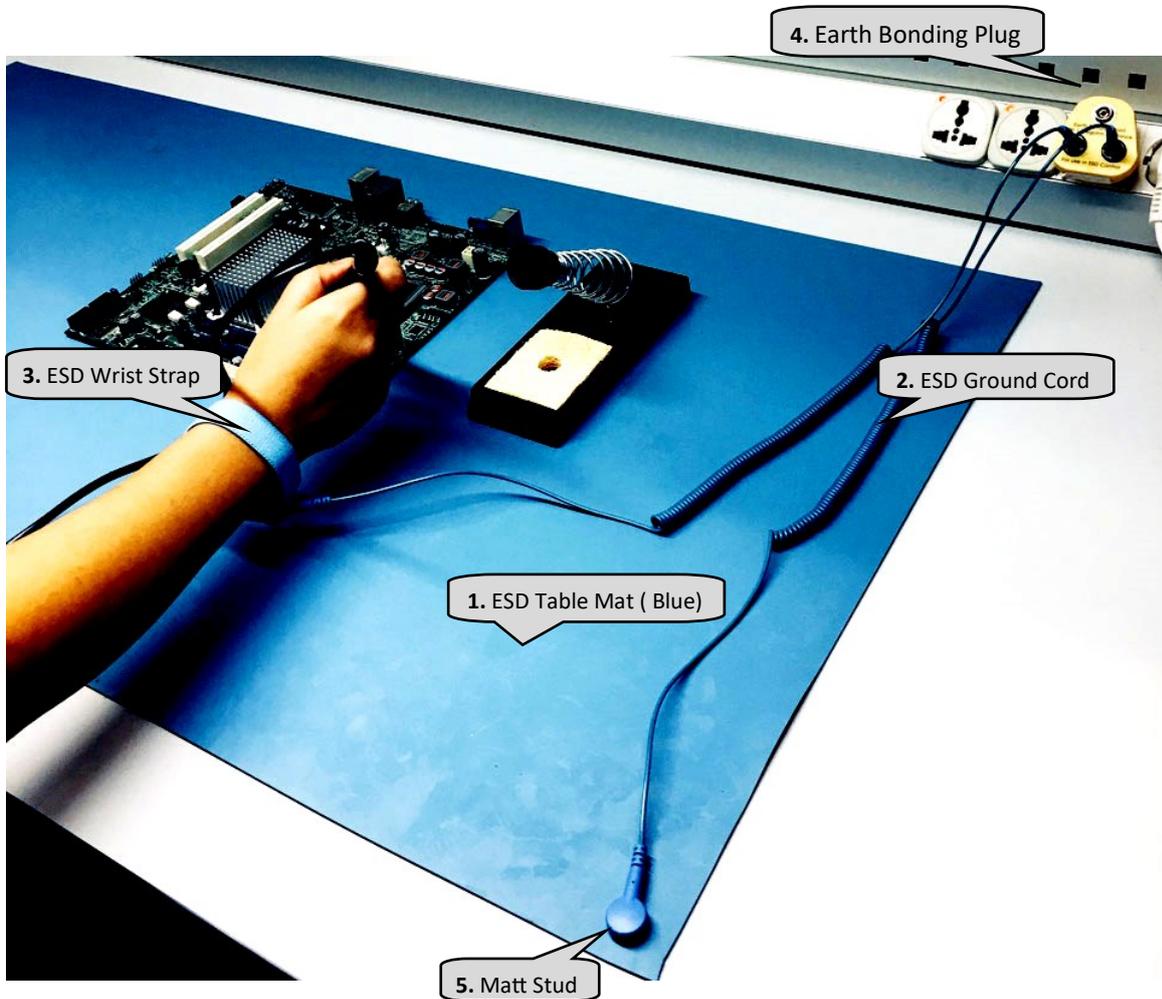
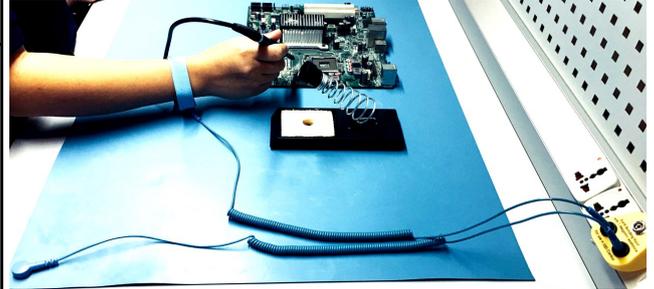
ESD Table Matting

ESD Ground Cord

ESD Antiallergenic Wrist Strap

Earth Bonding Plug

Matt Stud Set Socket & Post



Weller



Erem



Xcelite



STANNOL



Schnorr



MECHATRONIC SYSTEMS



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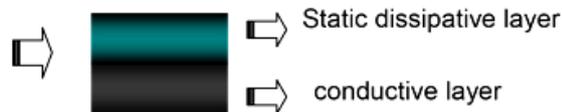


ESD Safe Equipment

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1. ESD Table Matting: an anti-static device that safeguards an individual or piece of equipment like a PC from an electrostatic discharge (ESD). Computer components that are sensitive to static electricity or ESD are motherboards, CPUs, expansion cards and memory devices.

Structure Diagram



Advantages

1. Excellent vibration resistance and fatigue resistance;
2. Automatic adjustment of the force applied, to relieve the sense of fatigue.
3. Volume resistance $\leq 10^8 \Omega \text{ cm}$, thickness at 2mm x10 m.
4. With long Service life.

Performance of Antistatic Table Mat			Specification
Antistatic layer (Green Layer)	Surface resistance Ω	$10^7 - 10^9$	1.2m*10m*2.0mm (thick)
	Friction static fields V	< 100	
Conductive Layer (Black Layer)	Product specification Ω	$\leq 10^6$	
	Friction static fields V	< 50	
Declining stage of static voltage	5000-500V	< 1.9	
Volume Resistance	$10^7 - 10^9 \Omega \text{ cm}$		

Product SKU	Description	Color
M2000B07	ESD MAT 600X1000MM 2XSTUD 10MM	Blue
M2000B12	ESD MAT 600X1200MM 2XSTUD 10MM	Blue
M200B121	ESD MAT 1000X1200MM 2XSTUD	Blue
M2000G07	ESD MAT 600X1000MM 2XSTUD 10MM	Grey
M2000G12	ESD MAT 600X1200MM 2XSTUD 10MM	Grey
M200G121	ESD MAT 1000X1200MM 2XSTUD 10MM	Grey



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2. ESD Ground Cord: A safety device used to channel static electricity to a proper ground while handling sensitive computer equipment. Electrostatic discharge (ESD) damage occurs when a release of stored static electricity travels from something such as a person's body into a conductor of a different potential. This Prevents dangerous electrostatic buildup while working on electronics. ESD anti-static wrist strap helps you protect your valuable computer equipment from dangerous static electricity. The wrist strap/grounding bracelet offers hassle-free electrostatic grounding, allowing you to work freely on your computer without having to worry about static build-up, which could potentially damage computer components. Designed and constructed to exceed IBM and US military static control standards, the grounding bracelet/ESD wrist strap is made from the highest quality static dissipative material to ensure the safe operation of your equipment.

- Coil Cord: 10mm push button / push button
- Color: Light blue
- Length: 2.4 m
- Cleanroom Grounding Coil Cord

3. ESD Antiallergenic Wrist Strap: adjustable, elastic, antiallergenic with wove conductive fibers and without metal plate. ESD Wrist Strap sets as well as ESD Metal Wrist Strap sets, better known as Anti-Static Wrist Straps, are used to prevent electrostatic discharge by safely grounding a person working with electronic components or equipment or in electronic assembly facilities, manifold ESD damages or ESD hazards are prevented, saving a lot of money. It consists of a band of fabric with fine conductive fibers woven into it. The fibers are usually made of carbon or carbon-filled rubber, and the strap is bound with a stainless-steel clasp or plate. Wrist strap adjustable, elastic, antiallergenic with woven conductive fibers and metal plate.

- Coil Cord: 10mm PB / banana plug / crocodile clip
- Color: Light blue
- Length: 1,8m
- Resistance: $\leq 106\text{Ohm}$



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4. Earth Bonding Plug: (EBP) plug is designed to provide a safe effective and easy to use earthing point in an ESD protected area (EPA). The plug fits into the mains supply socket, making a connection with the earth conductor only. In place of the live and neutral pins are molded insulating plastic pins to allow positive location in the socket. Connectors on the front of the plug are available for connection via ground cords to the various elements of the EPA. Thus, each element is held at a common potential.

- Grounding Plug without Cable
- 1x10mm Stud, 2xBanana
- Resistance: 1 MOhm/ Connector
- Color: Yellow
- Resistance: 1 MOhm/ Connector

Matt Stud Set Socket & Post 10mm: ESD table mats as well as ESD flooring mats are primarily designed to conduct static charges to the ground. This way you prevent electronic circuit boards and other electronic products from damage by electrostatic charges. In combination with proper connected wrist straps we can discharge ourselves without damaging static sensitive components. Same counts for the combination ESD flooring and ESD shoes or shoe grounders.

When standing for long periods on hard surface in the ESD protected area, the ESD as well as the conductive and dissipative anti-fatigue mats are designed to reduce fatigue and at the same time eliminates static electricity by conducting to ground. Anti-fatigue mats absorb the shock when walking on hard surfaces and its cushioning effect stimulates and improves the blood flow and consequently reduces foot fatigue, back and neck problems, absence from work, etc.



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