



## Bonding Plugs

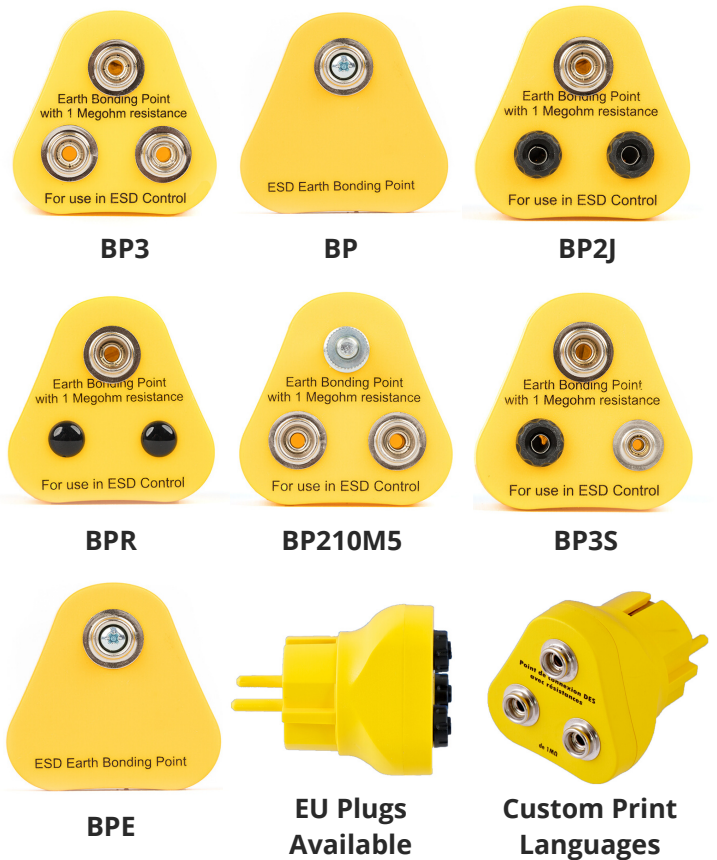
BP

### Description

Earth Bonding Point (EBP) plugs are a simple method of grounding. They are designed to provide a common ground point for grounding using protective earth 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 moulded 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. Each element is held at a common potential. A resistance of sufficient resistance to limit current to less than 0.0005 amperes (0.5 milliamps), at the highest voltage that may be encountered, should be incorporated.

Nominally, 800 kilo ohms are sufficient for voltages of up to 240 volts alternating current (AC). The value of one mega ohm is specified because it is a standard value discrete resistor. Follow appropriate regulatory or company safe grounding instructions. If over-stressed, the resistor will open the circuit. It is virtually impossible to misuse the plug, which is permanently sealed. The resistance between the terminations and the pin of each plug is tested after manufacture.



*Custom logos and product configurations can be produced on request. EU plugs also available.*

*Configurations can include 4mm, 7mm, 10mm Stud, 4mm Banana Sockets, M5 Binding Post. Supports EN 61340-5-1 & ESD S20.20 ESD Handling.*



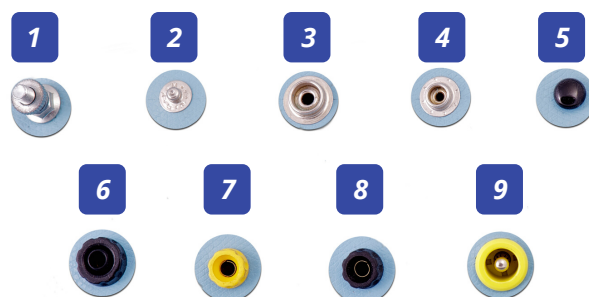


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Earth bonding points and plugs can be manufactured using any combination of the following:

- |               |                           |
|---------------|---------------------------|
| 1) M5 post.   | 5) Hole blank.            |
| 2) 4mm stud.  | 6) Safety banana socket.  |
| 3) 10mm stud. | 7) Black banana socket.   |
| 4) 7mm stud.  | 8) Reverse banana socket. |



*All plugs can be made with other resistance values on request. Special printing available on request.*



*Important Notice: The information contained within this spec sheet is for guidance only. We make no warranties expressed or implied and assume no liability regarding any use of this information. Bonding Plugs, February 13th 2020.*