By Paul Anderson



How it is generated



- How it is generated
- How to control it



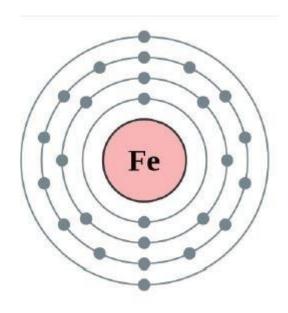
- How it is generated
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- Effects on Electronic Circuitry



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- Tips on wiring circuits



Static electricity is the result of an imbalance between negative and positive charges in an object.



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The friction of the two surfaces rubbing together knock electrons off the one surface and they collect on the other surface.

As you walk across a floor the friction between the soles of your shoes and floor surface knock electrons loose from the floor surface and they collect in your body until you touch a conductive object such as a light switch and the electrons are conducted back to the earth.

Your body acts as one plate of a capacitor and the earth acts as the other plate with the rubber or synthetic soles of your shoes being the dialectric or insulator.

#### How to Control Static

Conductive Surfaces

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- Conductive Surfaces
- Personal Anti Static Devices

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- Conductive Surfaces
- Personal Anti Static Devices
- Humidity

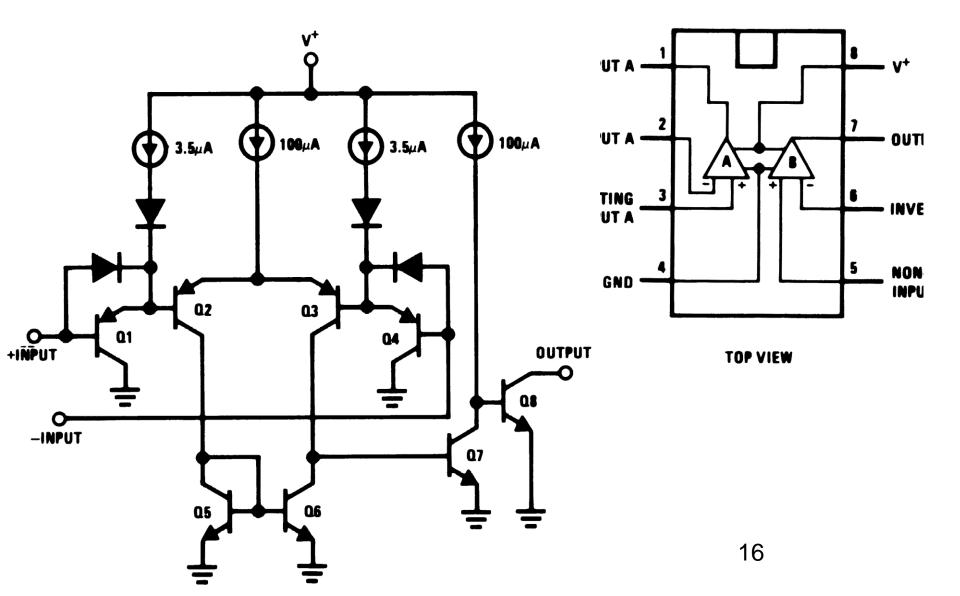
# The effects of Static on electronic circuitry

### The effects on electronic circuitry

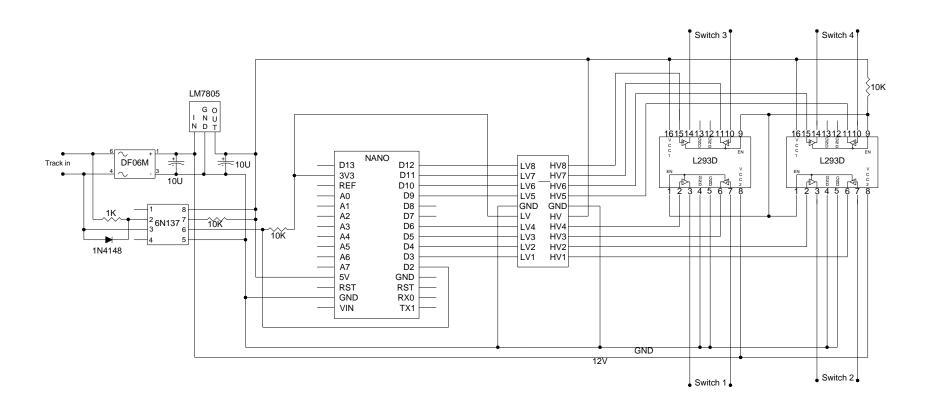
 Blows holes in insulating layers between conductors or components on the chip die.

# Tips on wiring circuits

## Tips on wiring circuits



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## Questions