

● Nickel

● Other Coatings



Nickel is a silver-white metal used in a variety of industries including the electronics, automotive and aerospace markets. It successfully meets the unique challenge and ever-increasing need for better performance, wear resistance and corrosion protection while providing substantial economic and environmental benefits around the world.

No Nickel, No Electronics

1. Computer, Screen: Every chip has Ni/Pd/Au coating for wire bond
2. Computer, Screen: Every chip has electroless nickel immersion gold coating (ENIG) diffusion barrier
3. Computer, Screen Circuit Boards: Nickel plate on copper for oxidation protection
4. Computer, Screen Circuit Boards: Electroless Ni immersion Au (ENIG) permits lead-free solder
5. Hard Disc: Electroless Ni corrosion protection
6. Read-Write Head: Ni ferrite layers
7. Microphone: electroless/electroplated nickel on mylar

No Coatings, No Computers

8. Battery: Ni-metal hydride or, Li-ion battery $\text{LiCo}_{1/3}\text{Ni}_{1/3}\text{Mn}_{1/3}\text{O}_2$
9. Stainless steel screws