

## Enhanced Connector Performance Crown Spring Design and Double-Layer Electroplating for Maximum Efficiency



### Advantages of Crown Spring Pins

#### Longer Service Life

Crown spring structure pins are more flexible during insertion and extraction, offering a durability of up to 5000 cycles. This reduces the cost of frequent pin replacements and minimizes downtime.

#### More Reliable Contact Performance

Even with frequent use, the crown spring design ensures stable contact, reducing the chances of poor connections and overheating, which increases charging safety.

### Advantages of Double-Layer Electroplating

#### Stronger Corrosion Resistance

Compared to the typical single-layer silver plating, the dual nickel and silver plating process provides superior corrosion resistance, ensuring long-term stability in harsh environments.

#### Lower Resistance and Energy Consumption

The double-layer electroplating process effectively reduces electrical resistance, improving conductivity, and ensuring a safer, more efficient charging process.