Antenna Contact

Autosplice has introduced a new series of compact surface mount contacts for antenna applications in mobile devices.

The new single-piece contact designs are ideally suited for Near Field Communications (NFC) antenna requirements as well as other grounding applications within wireless communication designs. Typical existing antenna clips use multi-piece designs that increase complexity, adding quality risk as well as increasing manufacturing costs.

Autosplice crush-proof antenna clips integrate the antenna contact and base into a unified single-piece stamping that improves reliability and reduces costs. Since the entire contact is formed from stamped copper alloy, contact resistance and mechanical stability during vibration are superior to multi-piece designs. In addition, the footprint of the one-piece contact requires less PCB space, allowing for overall better fit, form and function.

Technical Specifications

Material: Copper Alloy
Contact Finish: 0.1μm min bright gold
Base Finish: 0.03μm min bright gold
Underplating: 1.3μm min nickel all over
Working Distance: 0.6mm
Bottom Flatness: max 0.05mm
Contact Resistance: 50 mΩ max
Rated Electrical Capacity: 30V 2 amps

Contacts packaged 10,000 pieces per 13” EIA standard plastic reel for ease of pick and place assembly.