

DoubleShield Pad ensures reliable, long-lasting, highly conductive electrical contact under stringent conditions.

DoubleShield Grounding Pads

Electric Vehicles

- Ensure you have proper ground planes in your design
- PCBs must withstand incredibly high temperature/voltage
- Our DoubleShield pad ensures reliable, long-lasting grounding performance

Engineers and designers can create innovative, reliable, quality PCBs for Evs and other electronic applications.

Introduction

In automotive electronic devices, grounding and shielding products should ensure electrical performance without breaking under mechanical or environmental stress throughout the product's lifetime.

DoubleShield Pad combines unsurpassed conductivity with the convenience of an SMT-compatible format. It is ideal for grounding housings, shields, LCDs, and antenna contacts, e.g. (mobile phones, base stations, power amplifiers, laptop computers, PDAs, cameras & radar systems, infotainment systems, etc.).

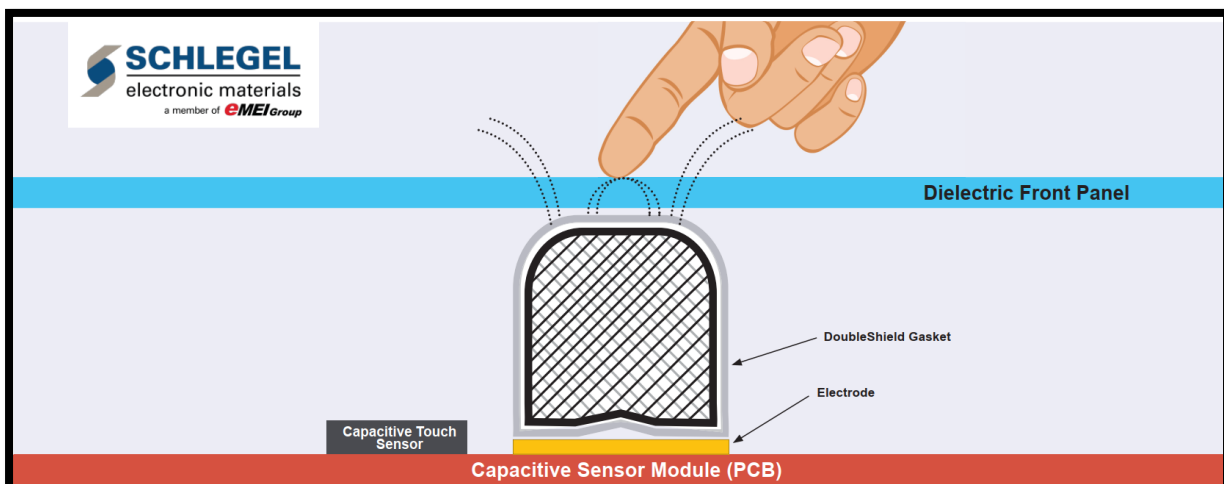
DoubleShield Pad compatibility with SMT equipment helps reduce total engineering costs because these off-the-shelf components eliminate the need for costly custom designs. Additionally, no secondary processing is required, reducing equipment and labor costs during production. Using precise SMT equipment to incorporate DoubleShield Pads improves the consistency and repeatability of printed circuit board (PCB) assembly.

DoubleShield Pads also decrease waste compared to manual installation and dispensing methods typically used for other EMI shielding materials.

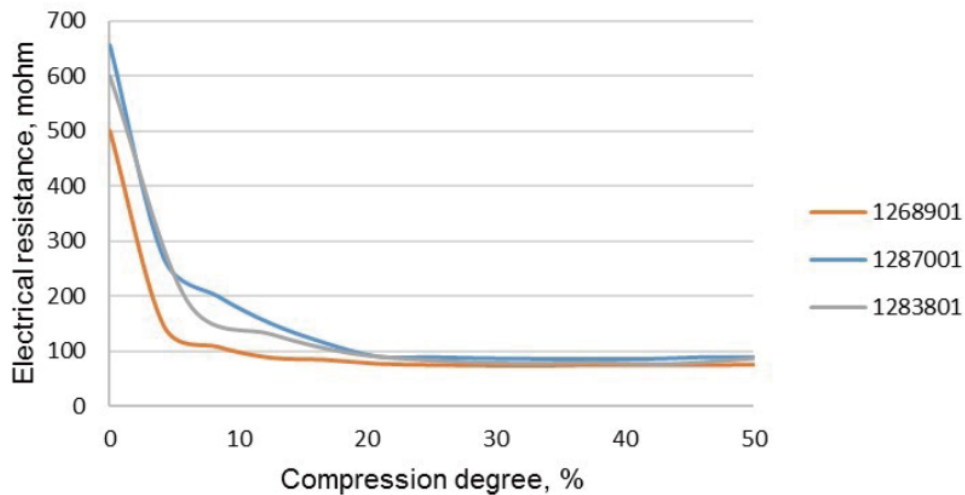
Features and Benefits

The flexible and easily compressible DoubleShield Pad can take up tolerances and close the gap between a PCB and another component while providing a reliable grounding contact.

- Large conformable contact area vs. metal spring
- Full chemical bonding between gasket and metal ensures components are not displaced.
- Low electrical resistance
- Good elasticity & low compression force
- Replaces most Metal Finger & Fabric Gasket
- No PCB scratching
- No risk for whisker growth. The DoubleShield Pad is a bottom-only termination component where the full plated surface is wetted (ref. JESD201)
- Compatible with SMT equipment—reducing installation cost and increasing reliability



Electrical resistance



Applications

- **Electric vehicles | Predictable and consistent pressure and electrical contact to the battery cell**
- Portable Electronic Devices.
- GPS & Telematics Instrumentation.
- Gaming Devices.
- Personal Computers and Laptops.
- Telecommunications Infrastructure.
- Infotainment/Media Systems.

