

Abstract

TIN ALLOY PLATING COMPOSITIONS

5 A tin-based, two-component alloy electroplating composition comprising 20 to 500g/l of a tin salt, 1 to 100g/l of a metal salt selected from the group consisting of a zinc, cobalt, bismuth and copper salt, 20 to 200g/l of methanesulfonic acid, 10 to 300g/l of a conductive compound, and 0.5 to 50g/l of a complexing agent provides a plating layer having excellent corrosion resistance and
10 solderability to electronic devices such as lead frames, connectors and printed circuit boards.