Tin Commandments for Use of Tin Electrodeposits

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1. Contacts should be mechanically stable in the mated condition.

2. Tin-plated contacts need at least 100 grams normal contact force.

3. Tin-plated contacts need lubrication.

4. Tin plating is not recommended for continuous service temperatures above 100 degrees C.

5. The electrical performance of contacts is not strongly affected by the choice of bright tin, matte tin, or tin-lead alloy platings.

6. Electroplated-tin coatings should be at least 100 microinches thick.

7. Mating tin-plated contacts to gold-plated contacts is not recommended.

8. Sliding or wiping action during contact engagement is recommended with tin-plated contacts.

9. Tin-plated contacts must not be used to make or break current.

10. Tin-plated contacts can be used under dry-circuit or low-level conditions.