

X. RULES OF THUMB FOR GULLWING FOOTPRINT LAYOUT

1. Allow for springback of .012" - .016" overall with a leg height of .100". A longer leg will produce more springback.
2. Tip-to-tip tolerance of +/- .005" should be considered as standard. To form to a higher tolerance, be certain that reasonable tolerances are given on the unformed component.
3. Minimum edge distance of +/- .035".
4. Expect a leg angle of 4° - 7°.
5. Minimum foot of .035" from the back of the heel to the toe.
6. For IR soldering, foot is flat or slightly toe-up.
7. For hot bar soldering, the foot is slightly toe-down.
8. Minimum bend radius of 1.5 times the material thickness.