

Layers To Hole

1. Location of tooling holes on drill table off in relation to panel tooling holes.
2. Drill machine positions incorrectly (runs short or long).
3. Drill spindle has excessively high run out.
4. Drill bit deflects on entry or through drill stack.

Corrective Action:

Layer To Layer:

1. Re-tool photo tools - check for proper use.
2. Size artwork to compensate for material movement on core material.

Layers To Hole

1. Make new set-up on drilling machine.
2. Service drill machine to move to correct distances.
3. Change collets in drill spindles or change drill spindle.
4. Change entry material, speeds and feeds, or drill bit design.
5. Adjust size drill program.

NOTE: Correct layer alignment to each other, then correct alignment of drilled hole to the layers.

The information and data contained herein is believed to be reliable but all recommendations are made without guarantee. Since varied process techniques and board designs present unique challenges to the multilayer board process engineer, it is up to the user to determine the applicability and suitability of any suggestions and ideas mentioned herein. No one set of process suggestions or material recommendations will work for all users, designs or material sets. No suggestion for use, or material supplied shall be construed as a recommendation or inducement to violate any law or infringe any patent.

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