

# Axiom Electronics PCBA Design for Manufacturability Guidelines

Section: 10.6	Revision: B	Revision Date: 12/15/14
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## DFM Subject: Selective Soldering Clearance

### DFM Requirement:

PCBAs with SMT components on the secondary side require clearance for selective soldering.

- The preferred clearance zone from the edge of a through-hole component pad to an adjacent SMT component is 4mm (0.157").
- The minimum clearance zone from the edge of a through-hole component pad to an adjacent SMT component shall be 2.5mm (0.098").

### DFM Impact:

If the minimum clearance zone requirement is not followed the solder will not flow around the component leads correctly; this will create excessive defects in the form of solder bridges and open solder joints.

### DFM Details: Selective Soldering Clearance

