

Axiom Electronics PCBA Design for Manufacturability Guidelines

Section: 10.2	Revision: A	Revision Date: 2/14/13
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DFM Subject: PCB, Edge Clearance and Direction of Travel
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DFM Requirement:

A 5mm (0.200") edge clearance zone shall be provided along both edges of the X dimension on both sides of the PCB. The direction of travel shall be defined and it must be compatible with the values listed in Table 10.1 (Section 10.1). If edge clearance cannot be provided on the finished PCB it will be necessary to use a removal frame along one or both edges (see Section 10.8).

DFM Impact:

PCBAs are manufactured on machines that use edge conveyors to transport and support the PCB. If edge clearance is not provided it will be necessary to add a frame or use expensive fixtures to support the PCB during assembly. The 5mm requirement is an industry standard based on IPC-SMEMA-9851 Mechanical Equipment Interface Standard. All SMT equipment suppliers use this standard.

DFM Details:

