

Axiom Electronics PCBA Design for Manufacturability Guidelines

Section: 10.9

Revision: B

Revision Date: 11/14/18

DFM Subject: V-Scoring and Drilled Breakaway Tabs

DFM Requirement:

V-Scoring is preferred over drilled breakaway tabs.

V-Score Design Requirements:

- Design requirements are illustrated in the DFM Details section below.
- A minimum clearance of 3mm (0.118") shall be maintained between the V-score and all components along the full length of the V-score.
- The maximum continuous length of V-score without a separation shall be 300mm (12.0").

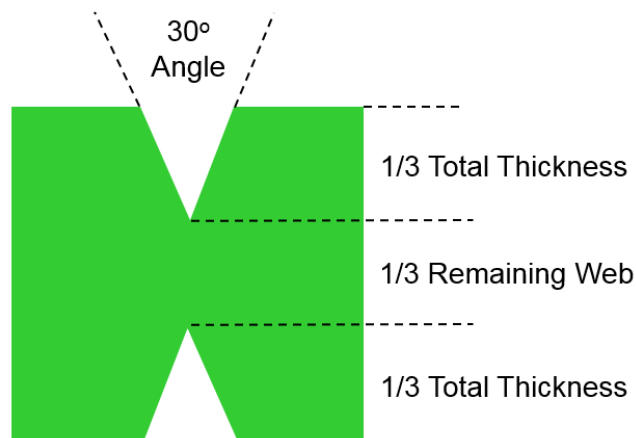
Drilled Breakaway Tab Requirements:

- Design requirements are illustrated in the DFM Details section below.
- The distance between breakaway tabs shall not exceed 50mm (2.0").
- Drilled holes shall be at least 3mm (0.120") from traces, planes and components.
- Breakaway tabs shall not be placed under overhanging connectors.

DFM Impact:

V-scoring or drilled breakaway tabs are required so multi-pack frames can be easily removed after assembly is complete.

DFM Details: V-Score Design



DFM Details: Drilled Breakaway Tab Design

