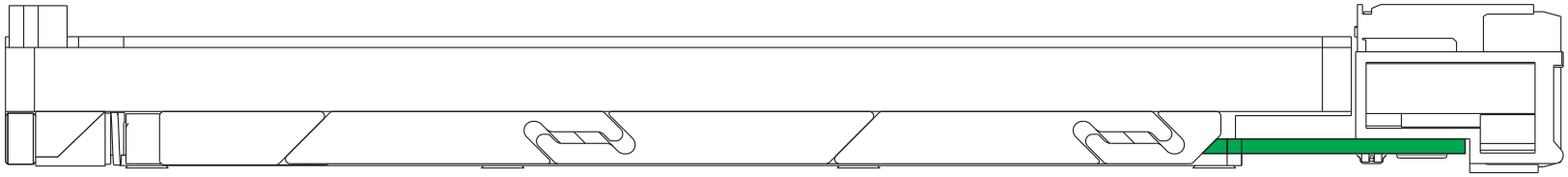
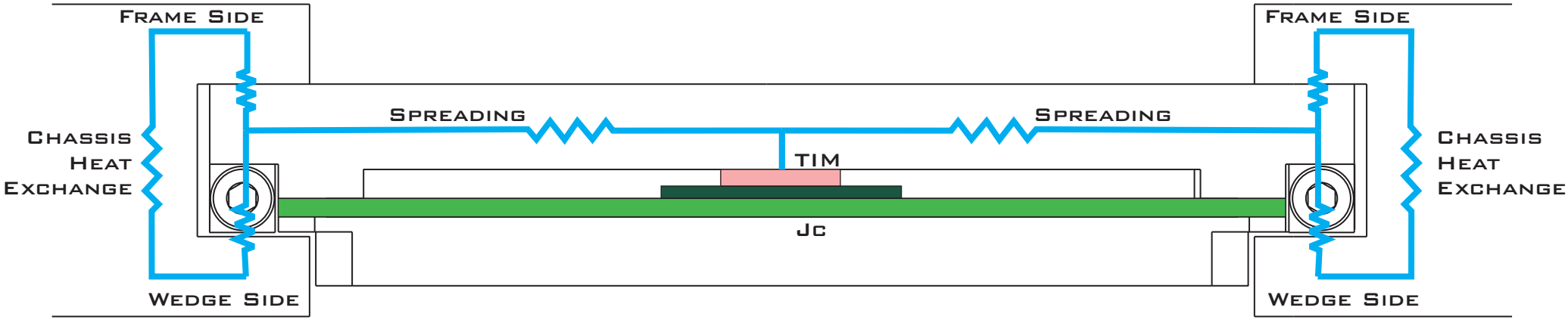
Secondary Side Wedge Locks

WaveTherm

20140120



PCB Removed from ColdWall Thermal Path
Convection front panel holes removed from PCB



$$\theta_{(ColdWall)} = \frac{(\theta_{(wedge\ side)} \times (\theta_{(Frame\ Side)})}{\theta_{(wedge\ side)} + \theta_{(Frame\ Side)}}$$

$$\theta_{(ColdWall)} = \frac{(.42C°/W \times (.11C°/W))}{(.42C°/W + .11C°/W)}$$

$$\theta_{(ColdWall)} = \sim 0.09\ C°/W\ Per\ Edge$$

$$\theta_{(ColdWall)} = \sim 0.05\ C°/W$$

Thermal Resistance Vlaues:

Wedge Side = 0.42C°/W

Frame Side = 0.11C°/W

2 edges per card