The recommended paste mask is biased slightly to the outside of the footprint and is slightly oversized relative to the pad dimensions to provide sufficient material for an acceptable filet, without requiring a multiple thickness stencil for the overall assembly.
Dowel Pin Notes:

1. Dowel Pin Holes are optional in whole or part.
2. Dowel pins will assist with registration of the SOM to pad during soldering.
3. When used, it is expected that either:
   - The assembly will be placed on top of a fixture with pins protruding up from the bottom of the carrier PCB.
   - The SOM will be placed on the carrier and an alignment assembly will be placed on top of the SOM with the dowels protruding down from above the assembly.