



National Semiconductor

Dear Valued Customer,

The current mechanical specifications for the package can be found at the www.national.com web site or by clicking the following link:

<http://www.national.com/packaging/folders/lqa28a.html>

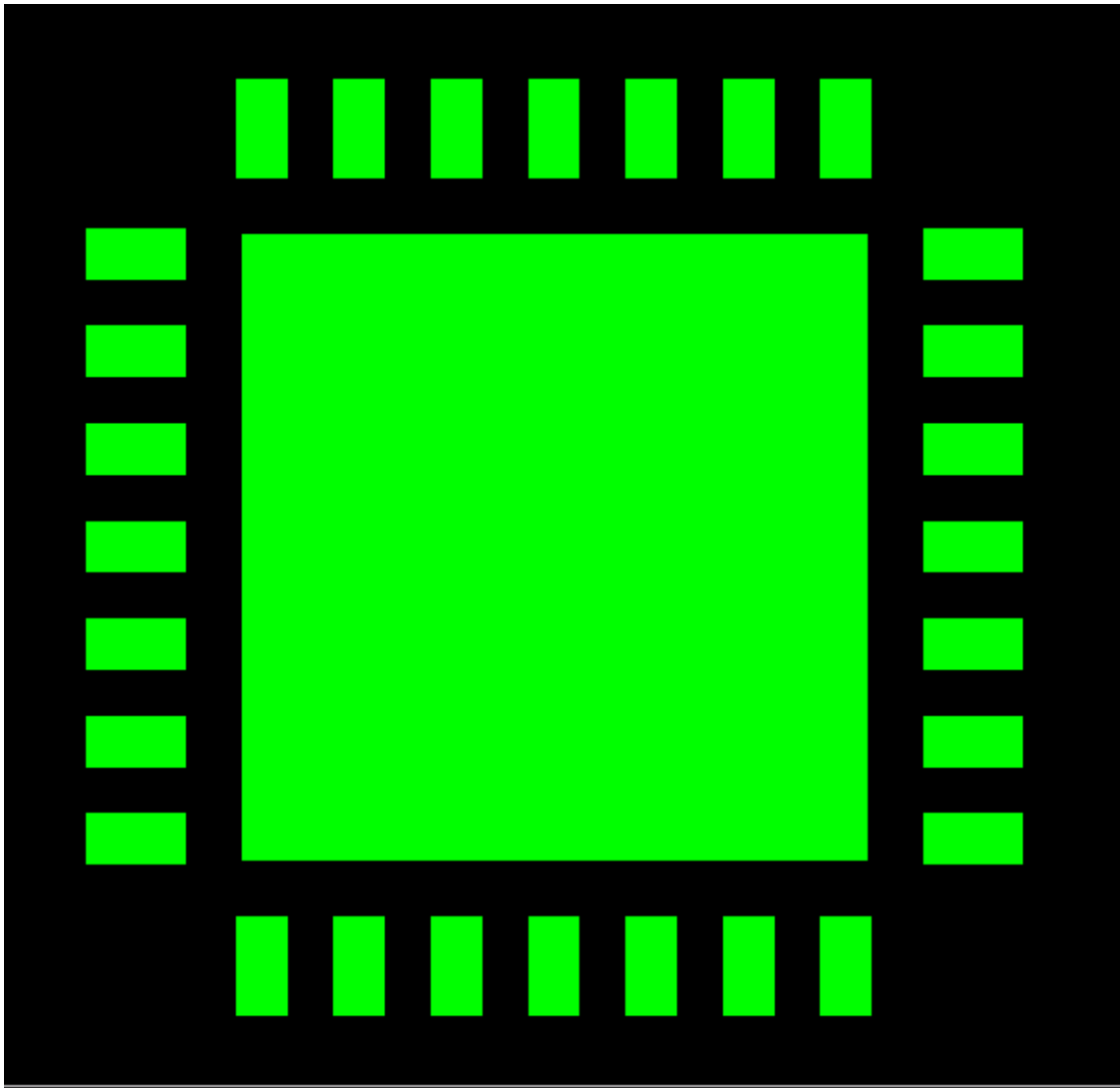
The following pages illustrate the recommended package footprints that apply to this package configuration. They are included in GERBER format for easy incorporation into most PCB layout packages.

For technical support, contact:

<http://www.national.com/support/>

Sincerely yours,

National Semiconductor



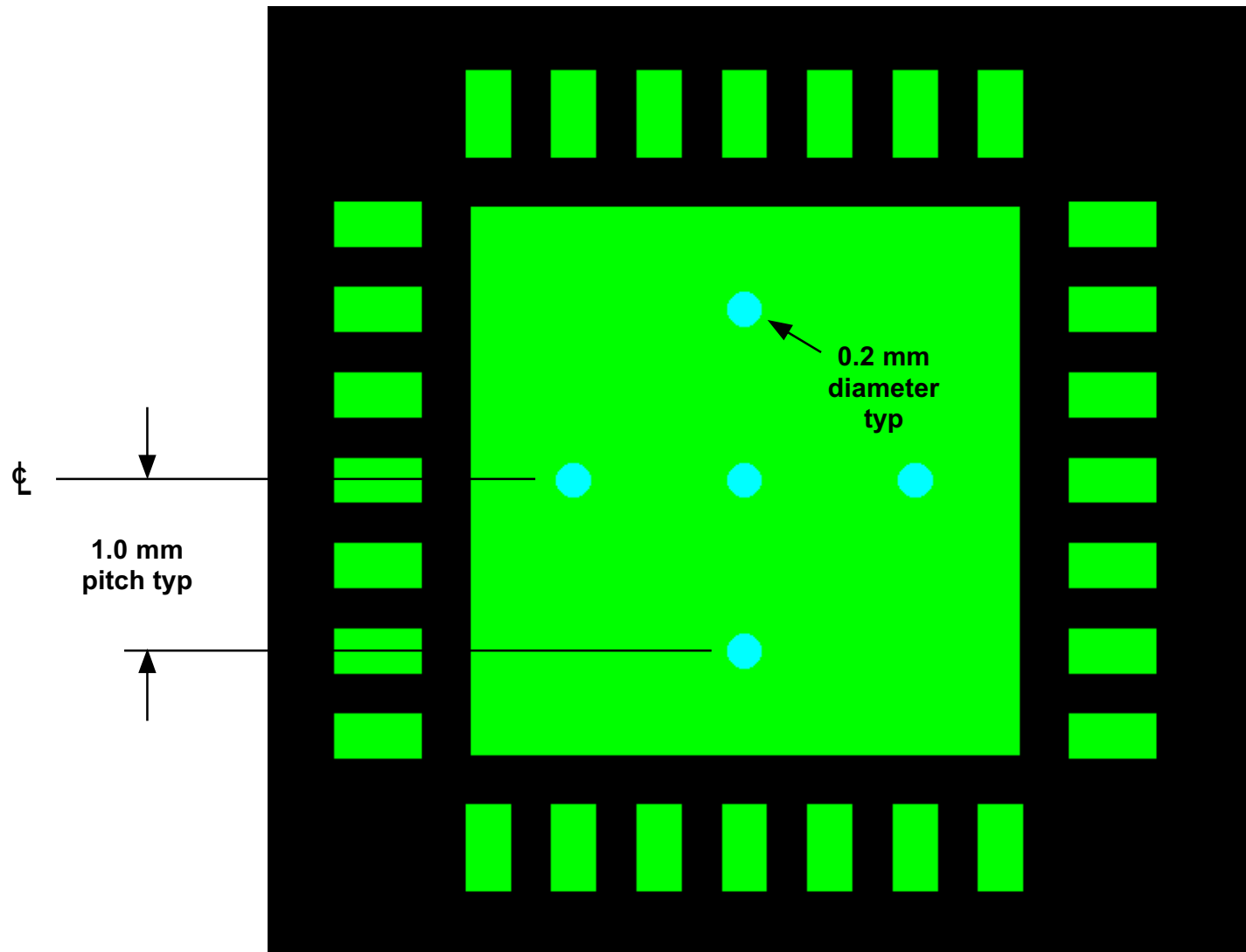
TOP ETCH




= Exposed FR4




= Exposed metal

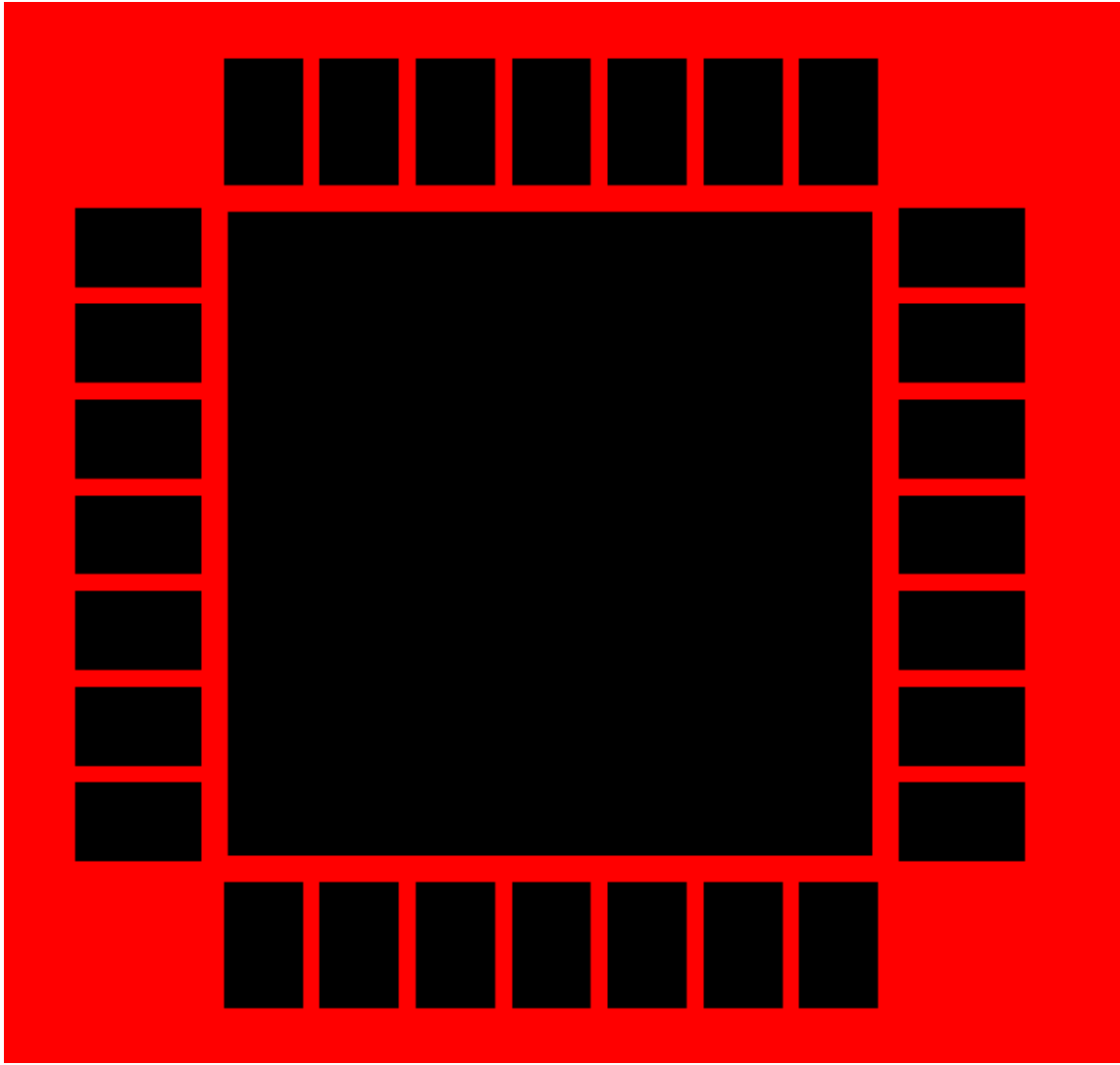


TOP ETCH with THERMAL VIAS

 = Exposed FR4

 = Exposed metal

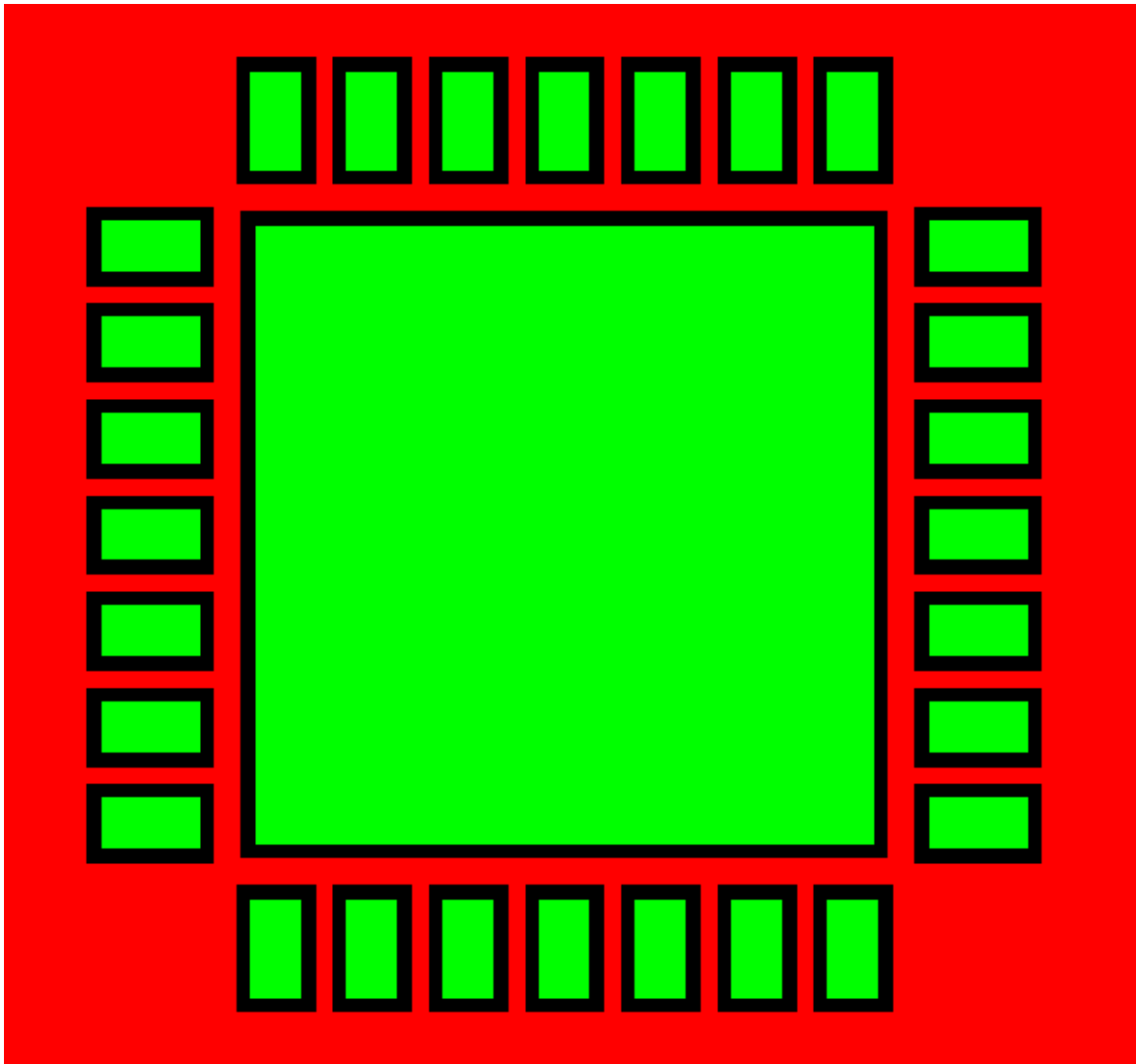
 = Thermal Vias



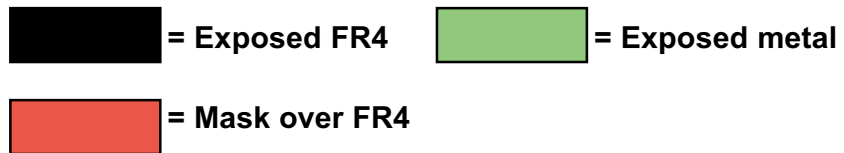
TOP SOLDERMASK

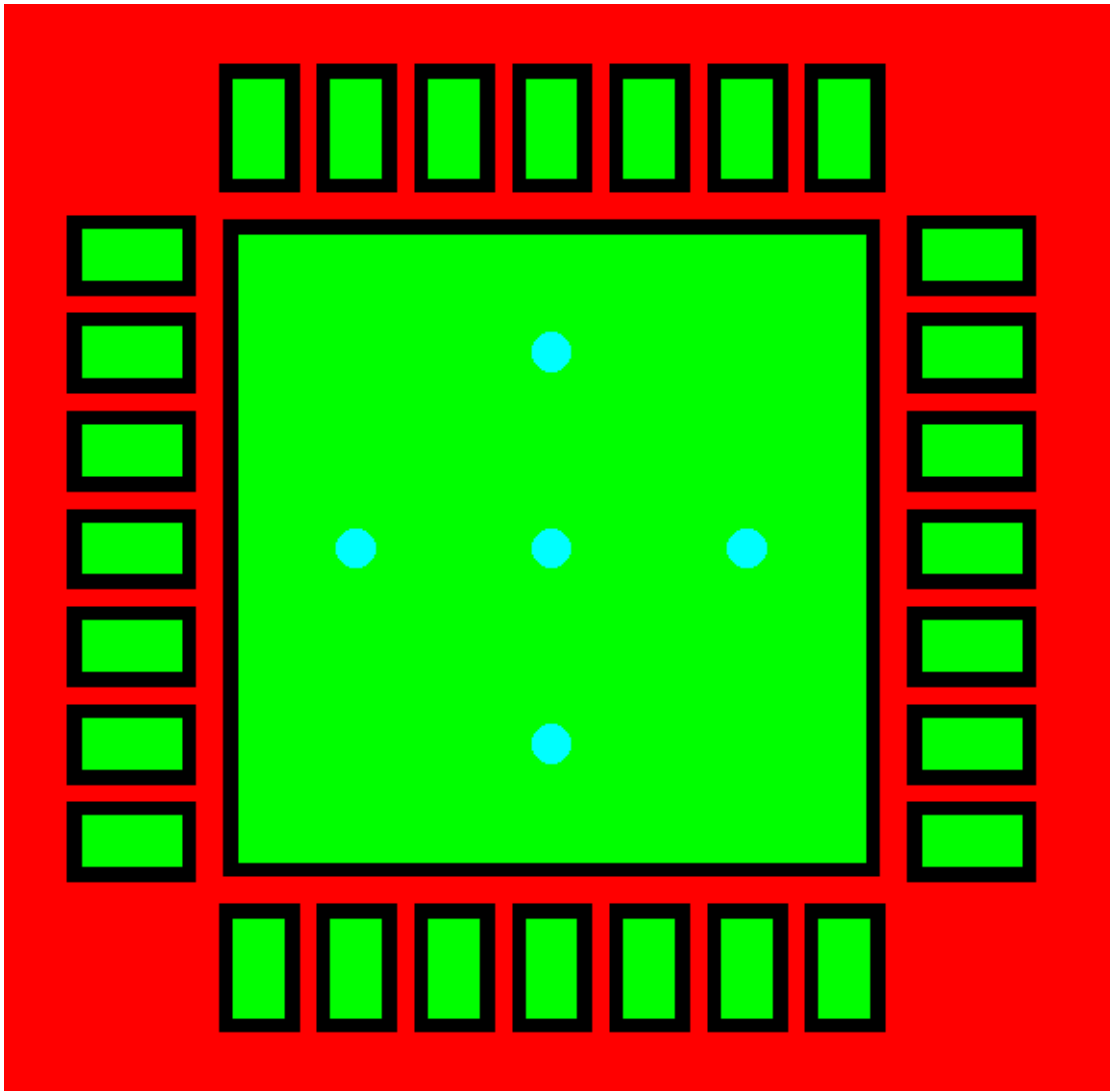
 = Exposed FR4

 = Mask over FR4




TOP ETCH + SOLDERMASK






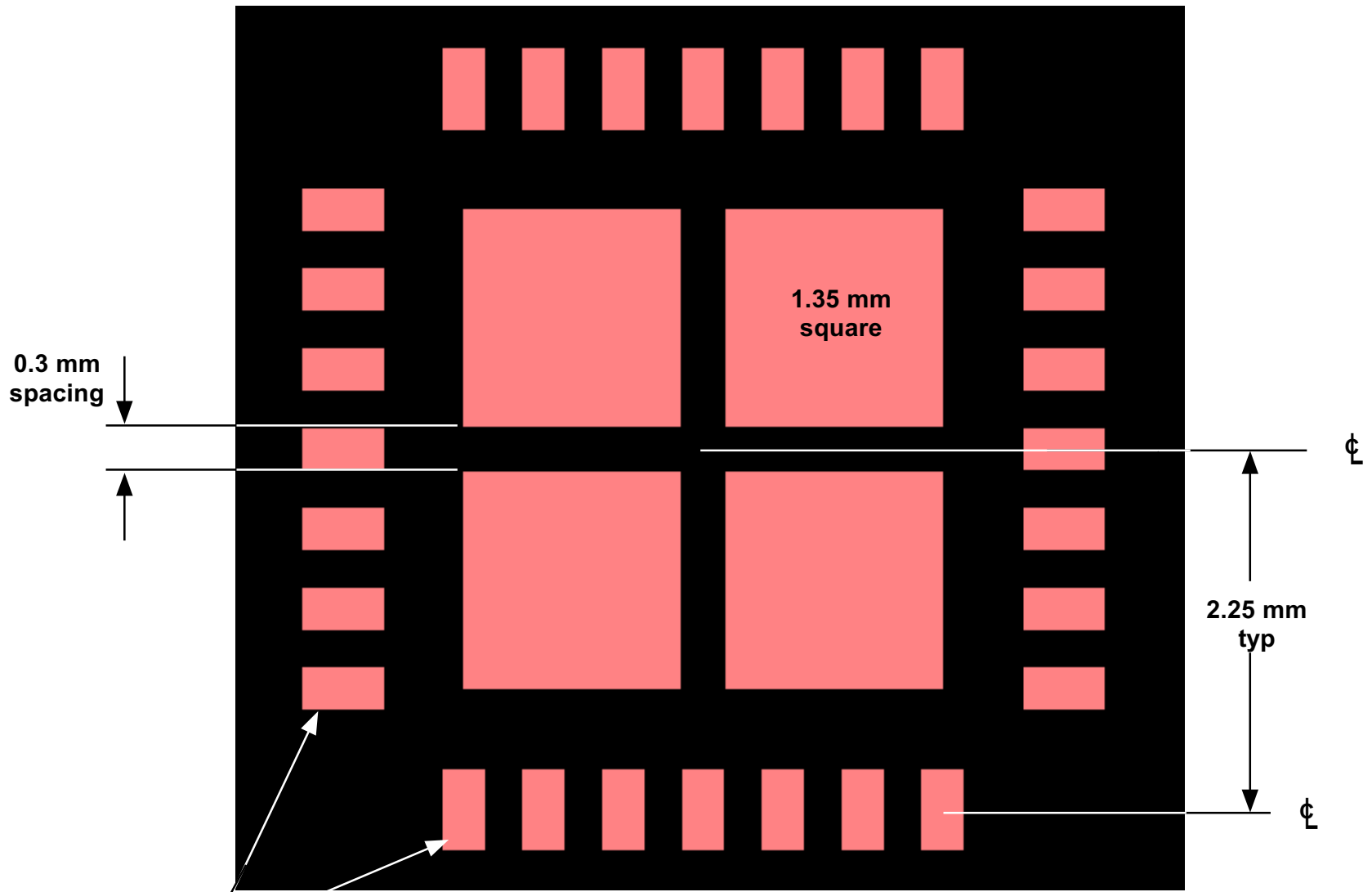
TOP ETCH + SOLDERMASK with THERMAL VIAS

 = Exposed FR4

 = Exposed metal

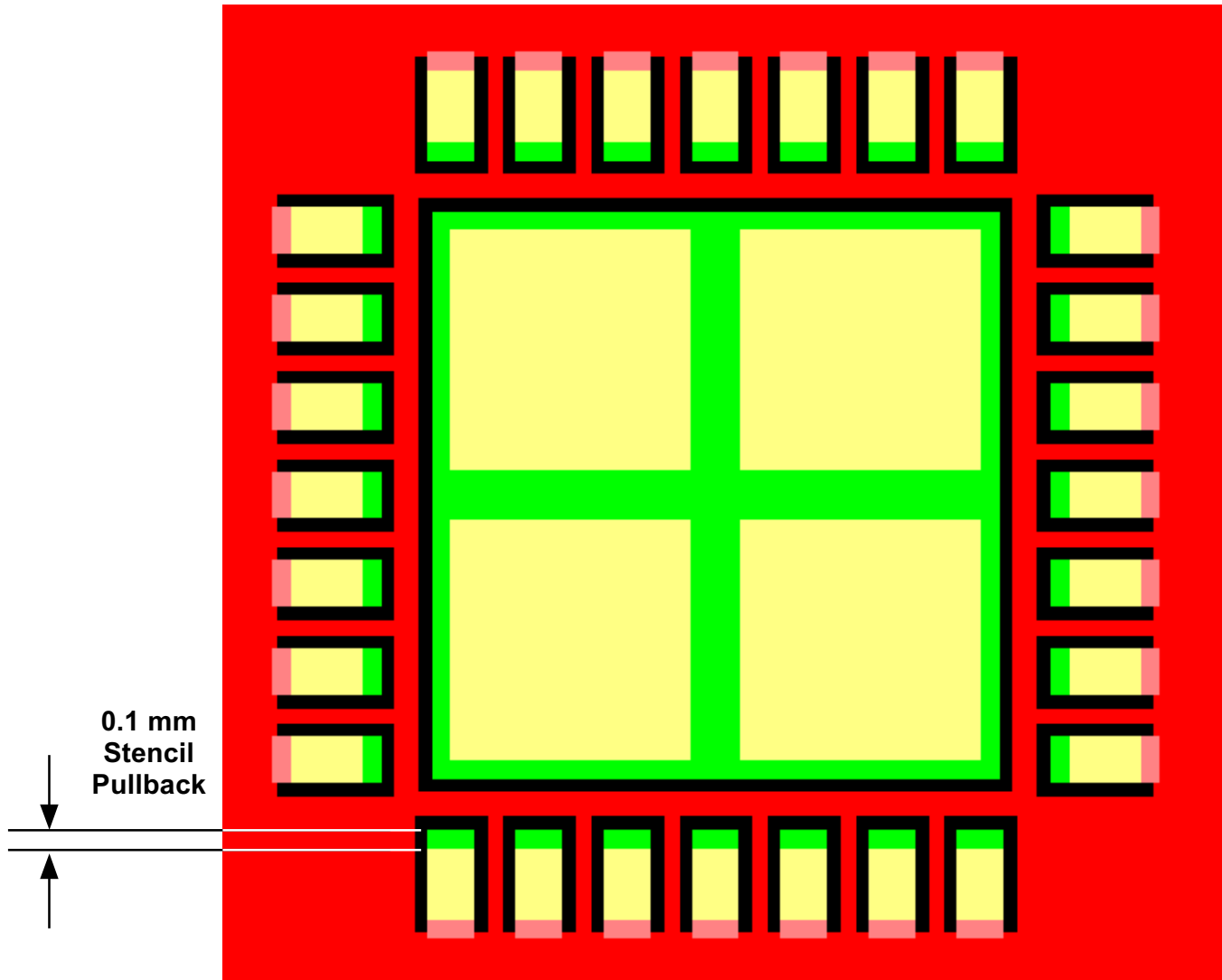
 = Thermal Vias

 = Mask over FR4

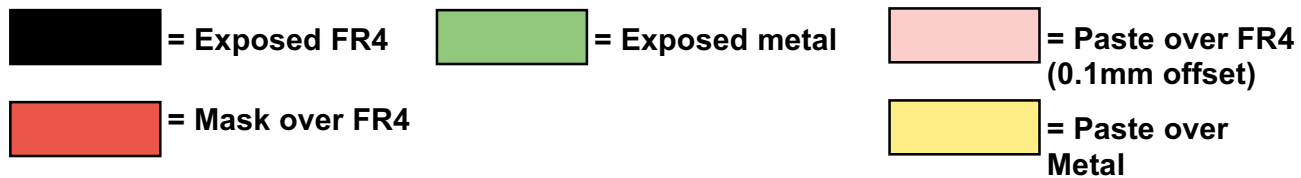


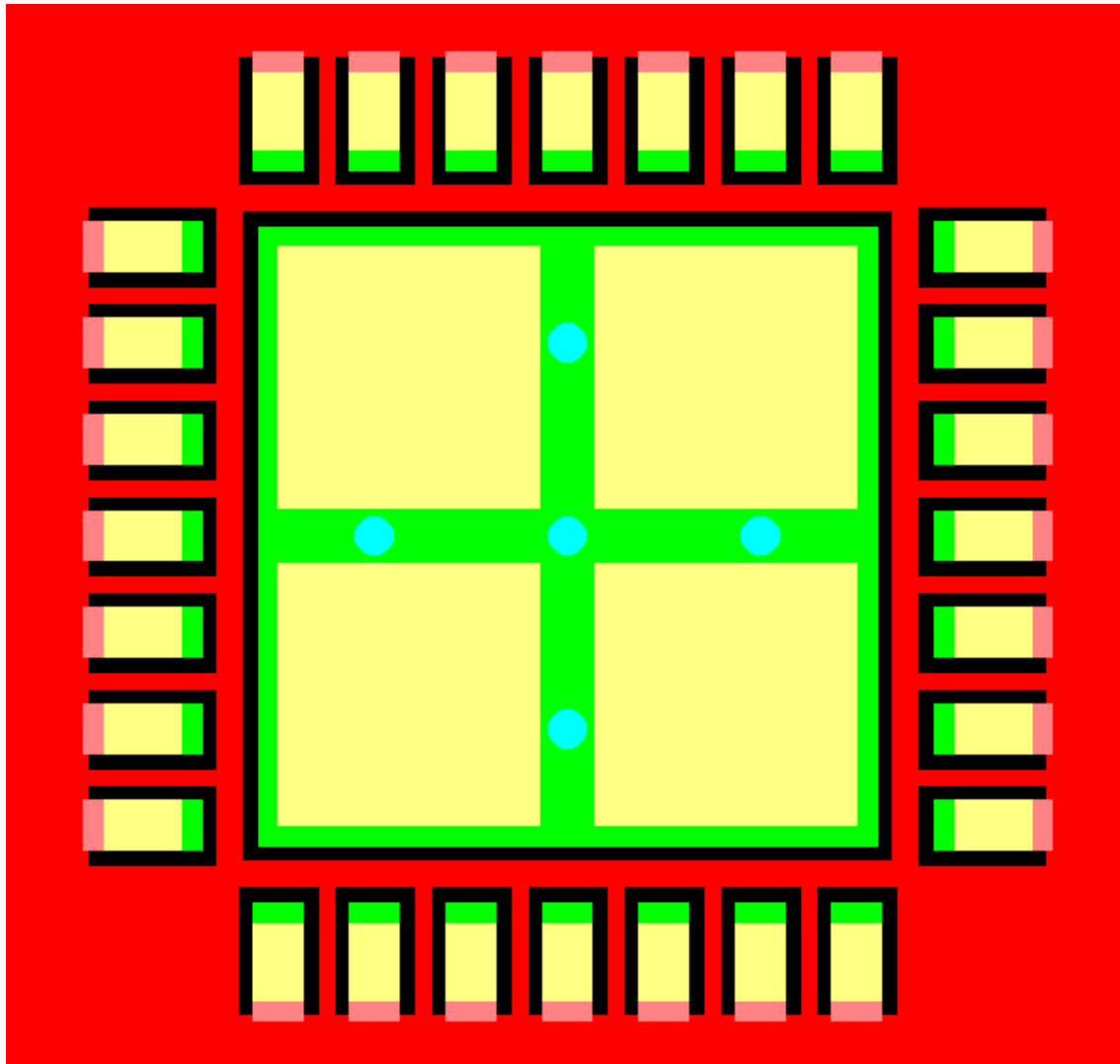
TOP SOLDERPASTE

 = Paste



TOP ETCH + SOLDERMASK + SOLDERPASTE





TOP ETCH + SOLDERMASK + SOLDERPASTE with VIAS

