



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/lqa36a.html>

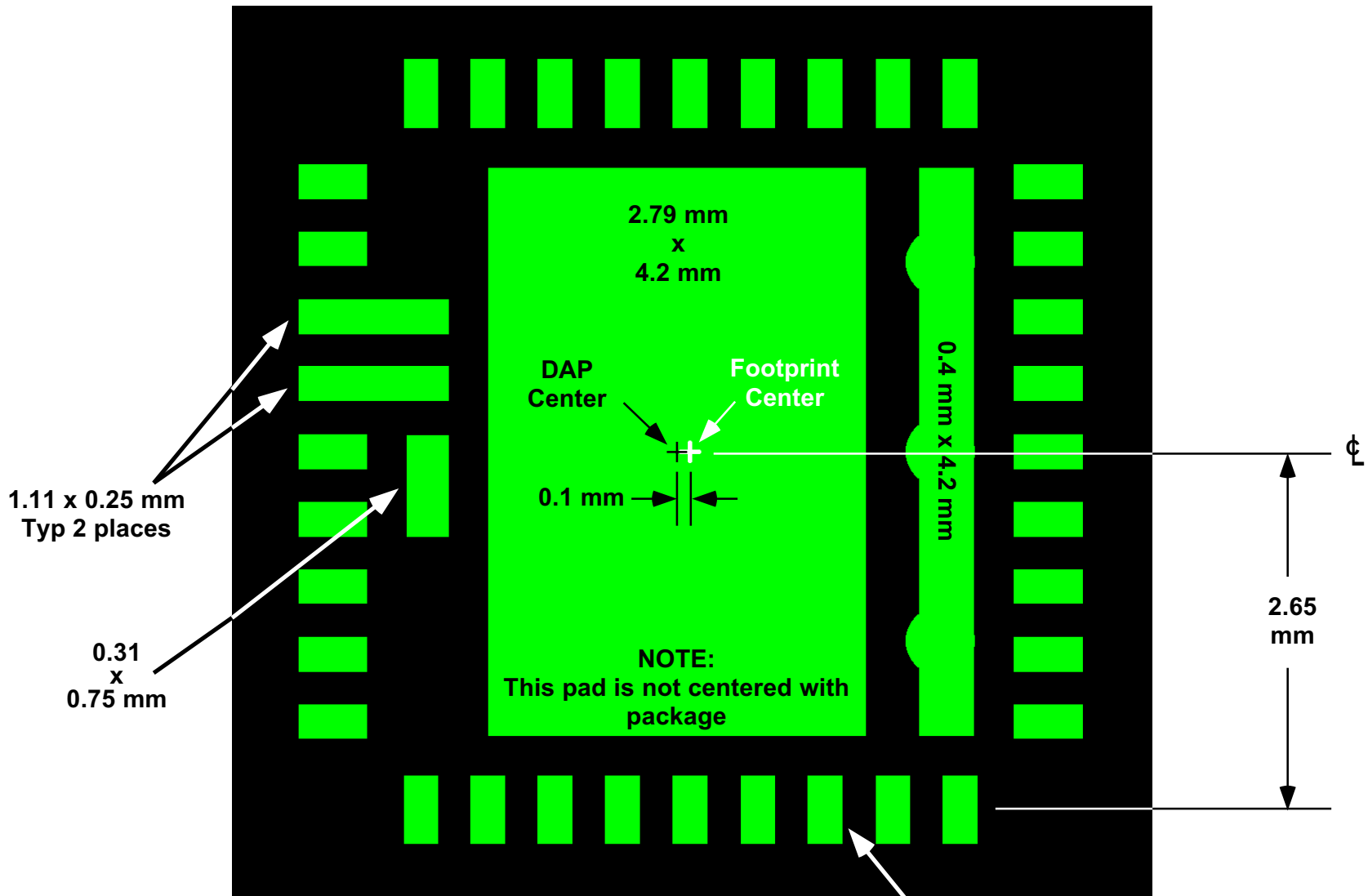
The following pages illustrate the recommended package footprints that apply to this package configuration. They are included in GERBER format for easy incorporation into most PCB layout packages.

For technical support, contact:

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

Sincerely yours,

National Semiconductor

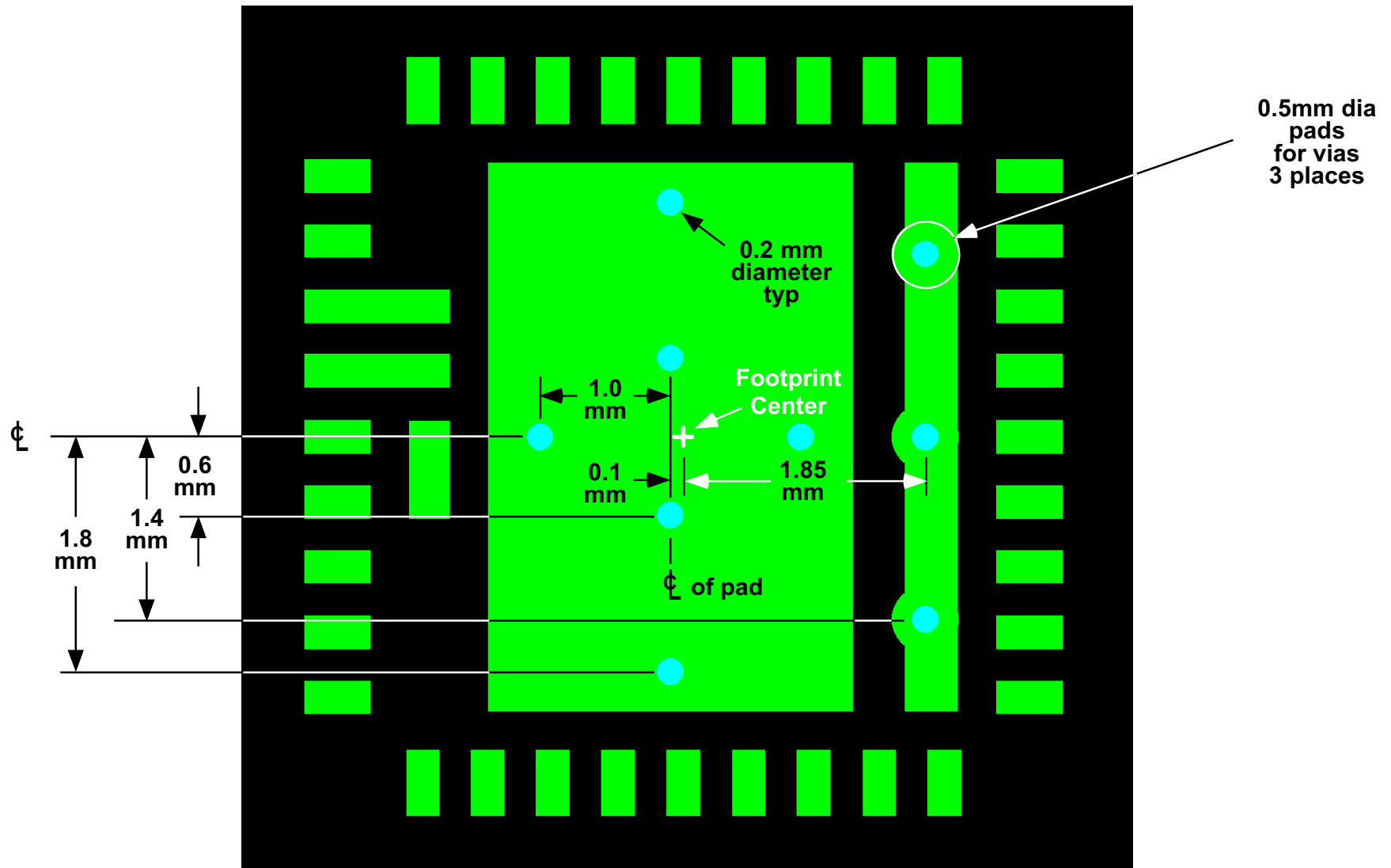


TOP ETCH

0.25 x 0.5 mm
Typ 34 places

= Exposed FR4
 = Exposed metal

NOTE:
Refer to package mechanical
drawing at the website for complete
mechanical dimensions.

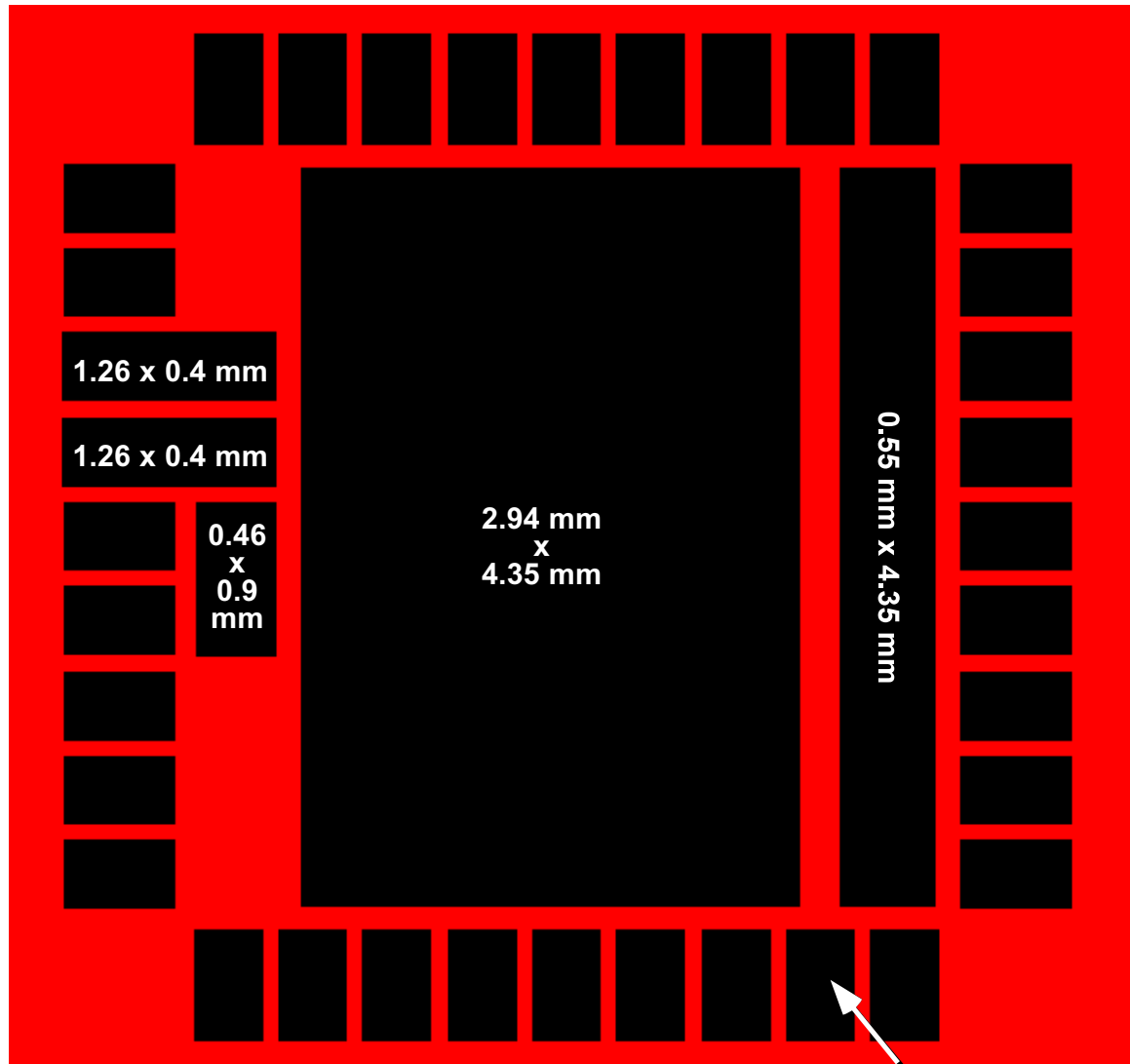


TOP ETCH with THERMAL VIAS

= Exposed FR4


= Exposed metal

= Thermal Vias

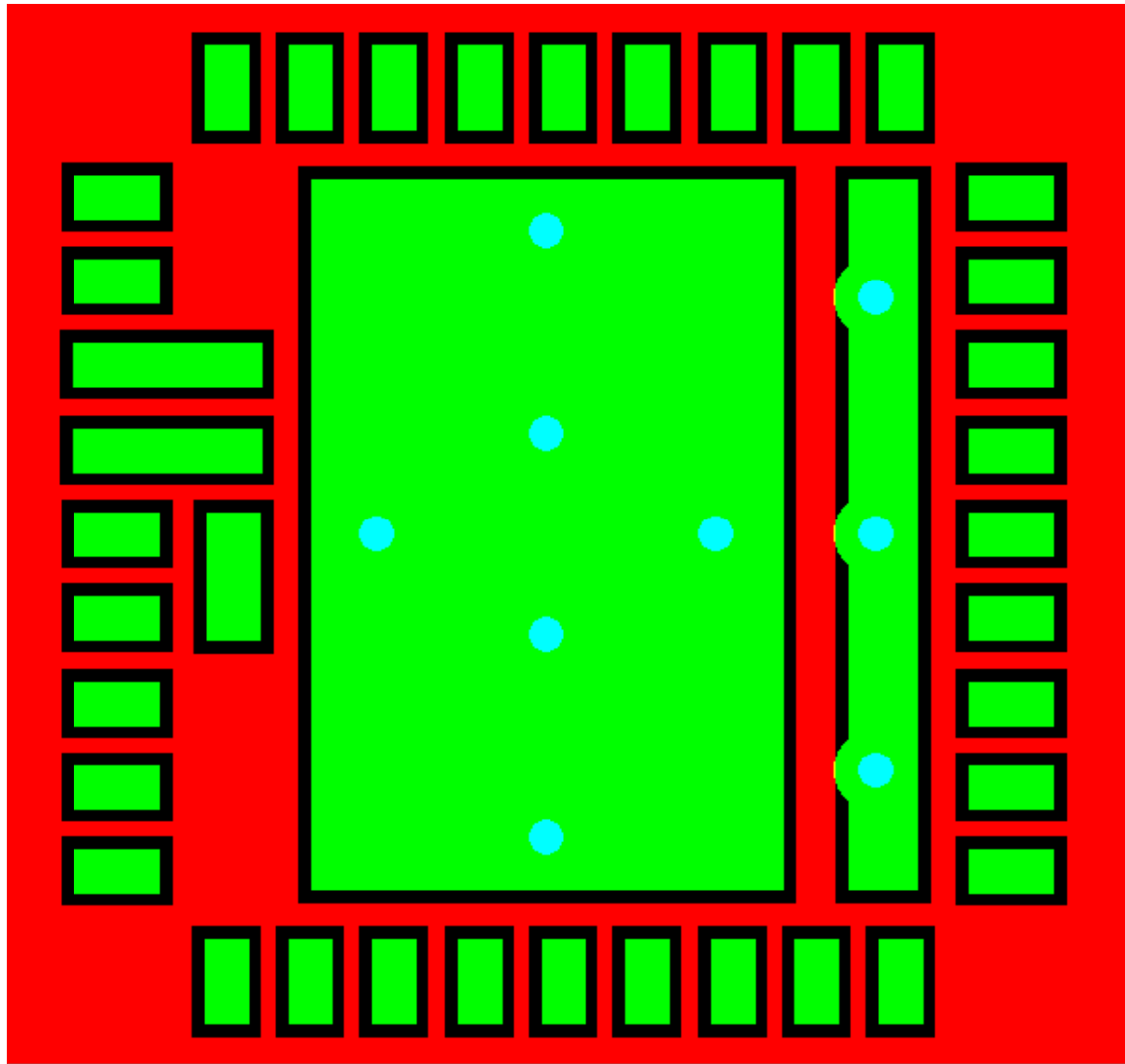


TOP SOLDERMASK

0.4 x 0.65 mm
Typ 34 places

 = Exposed FR4

 = Mask over FR4



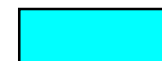
TOP ETCH + SOLDERMASK + VIAS



= Exposed FR4



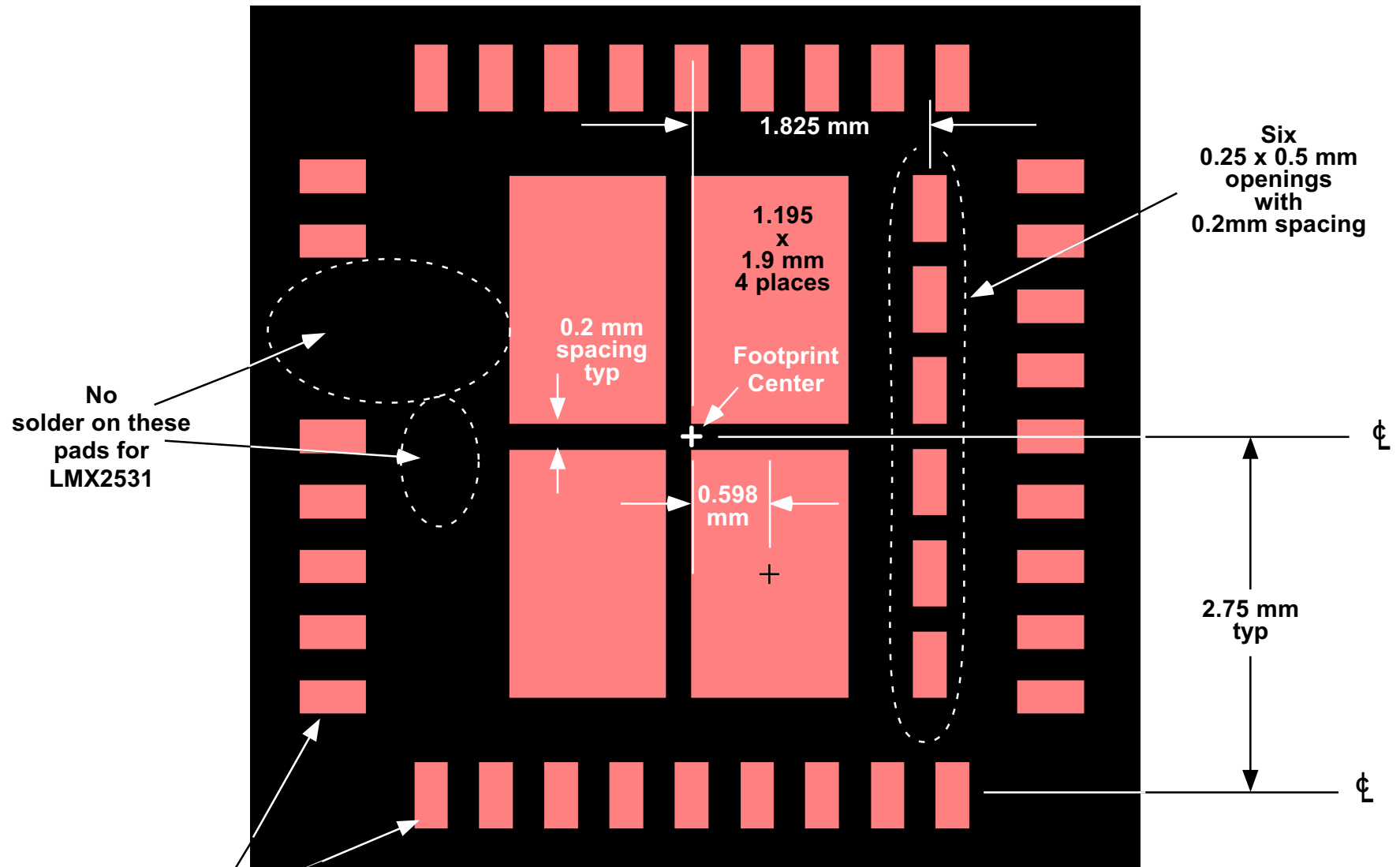
= Exposed metal



= Thermal Vias




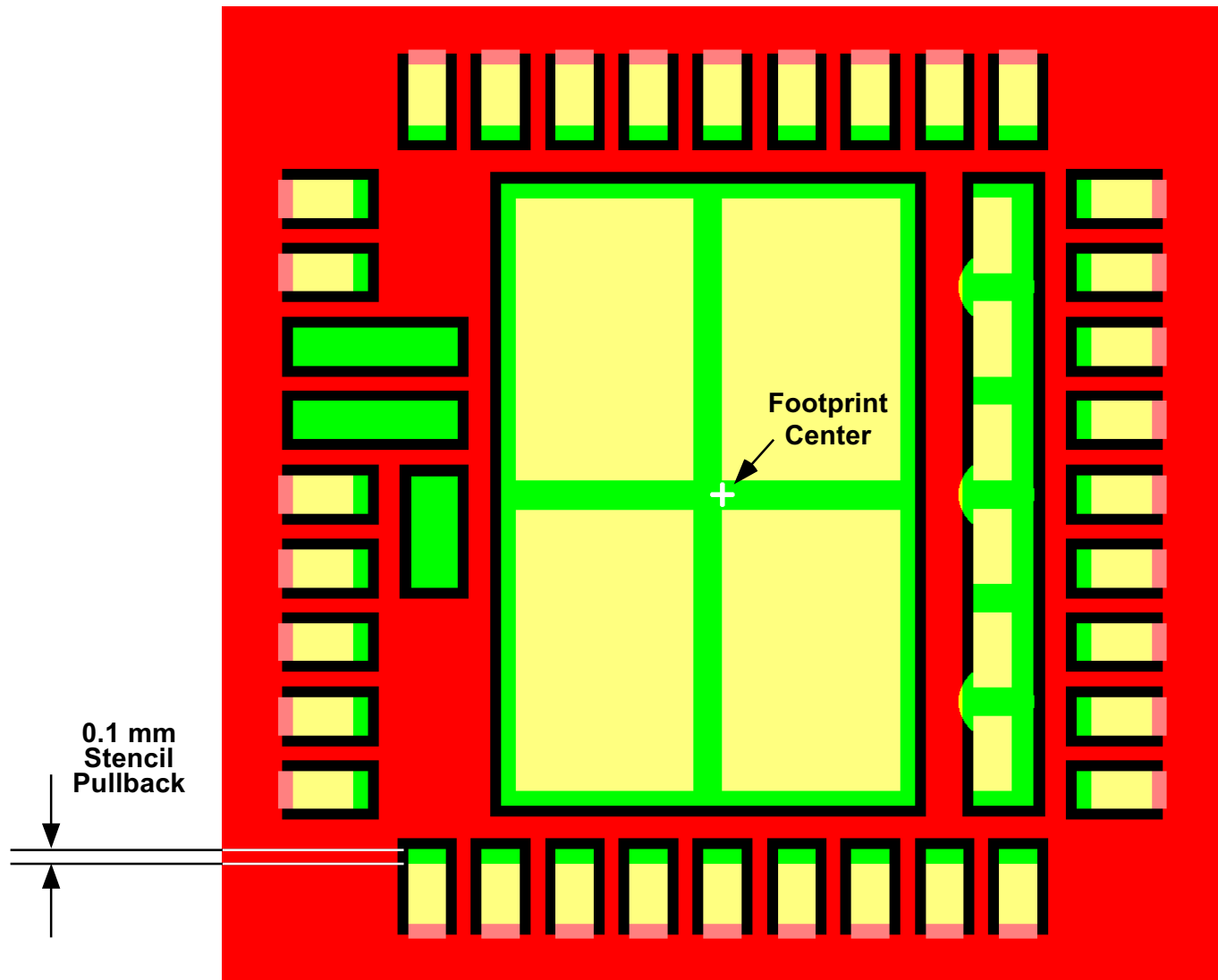
= Mask over FR4



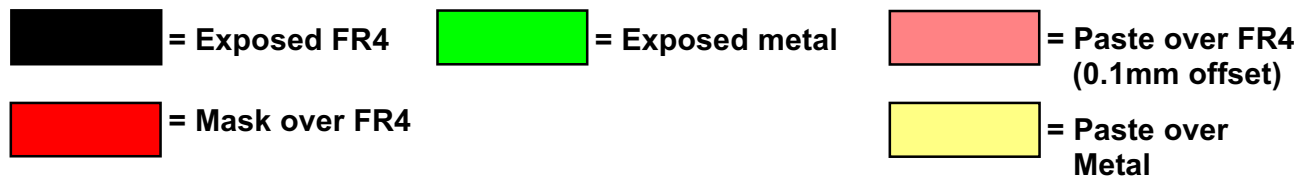
TOP SOLDERPASTE

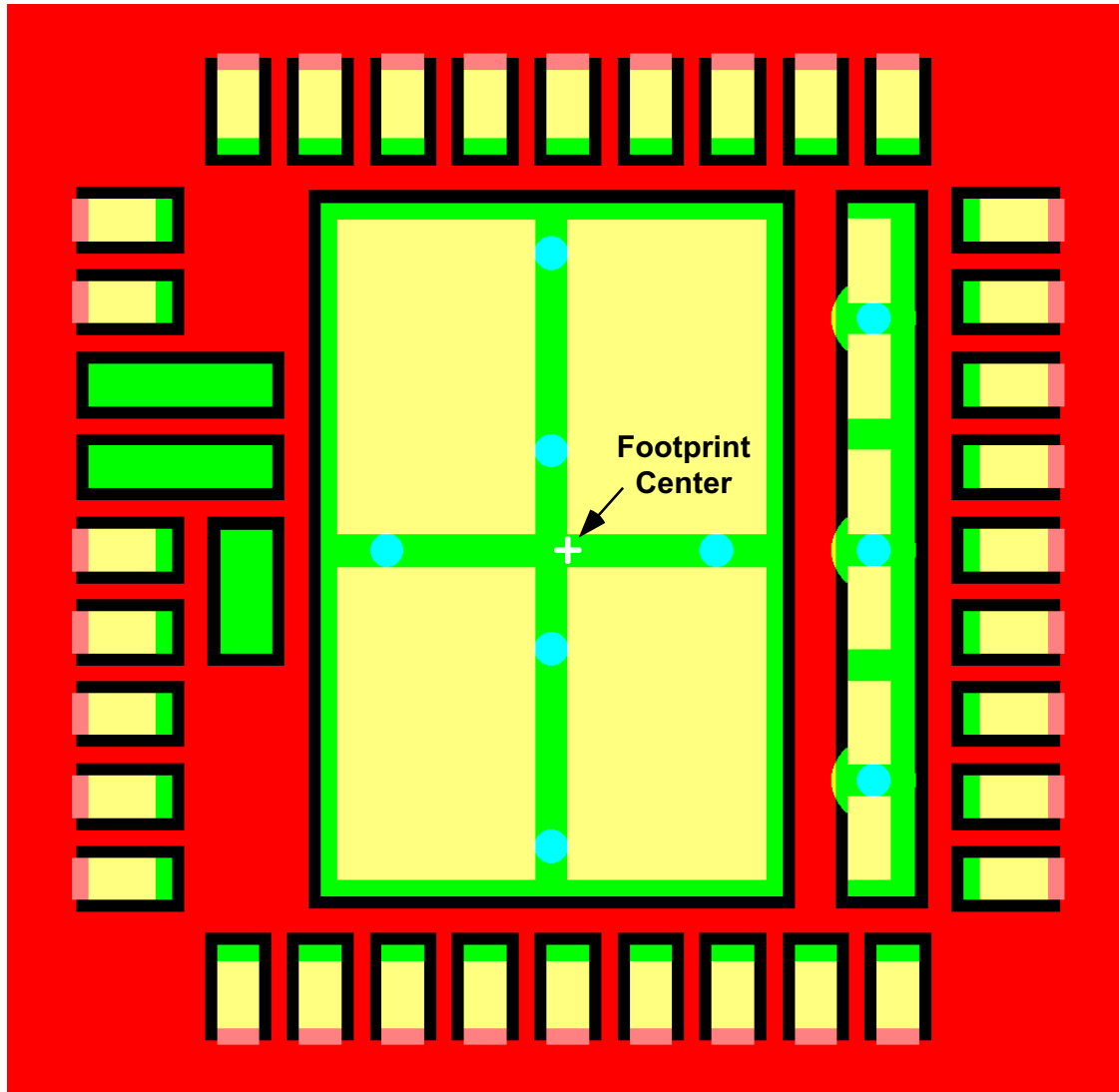
0.25 x 0.50 mm
34 places

 = Paste






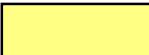


TOP ETCH + SOLDERMASK + SOLDERPASTE





TOP ETCH + SOLDERMASK + SOLDERPASTE with VIAS

- | | | | | | | | |
|---|-----------------|---|-----------------|---|------------------------------------|---|----------------|
|  | = Exposed FR4 |  | = Exposed metal |  | = Paste over FR4
(0.1mm offset) |  | = Thermal Vias |
|  | = Mask over FR4 | | |  | = Paste over
Metal | | |