



Patent Pending

SinkPAD™

Design Guidelines



Sinkpad Corporation

Users of SinkPAD™ technology are reminded that they bear the responsibility for testing for their applications. Any information furnished by SinkPAD Corporation, its licensees and representative is believed to be accurate, but users of the technology must bear all responsibility for the use and testing of the product since SinkPAD Corp., its licensees and representatives cannot be aware of all potential uses. SinkPAD Corp. makes no warranties as to the applicability, fitness or suitability of SinkPAD™ technology for any specific or general uses. SinkPAD Corporation shall not be liable for incidental or consequential damages of any kind.

"SinkPAD" TECHNOLOGY



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❖ Top View of a SinkPAD™ PCB

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DESIGN RULES FOR SinkPAD™

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- ❖ If you are using Aluminum PCB now; “Thermal Pad / Bond Pad” From Current Design Will Become “SinkPAD™”
- ❖ If you are starting a brand new design; Consider Adding “SinkPAD™” Under Each LED Component
- ❖ Keep “SinkPAD™” Features On a Separate Gerber Layer (in PCB data)
- ❖ “SinkPAD™” Size - smallest dimension must be minimum equal to the base metal thickness
- ❖ “SinkPAD™” Shape: Any
 - Round is preferred, also it is the most cost effective shape
- ❖ “SinkPAD™” Locations:
 - minimum gap between two adjacent SinkPAD must be 0.060” (1.52mm)
- ❖ Specify Base Material: Type and Thickness (i.e. only base thickness)
 - Standard thicknesses 0.040” (1.0mm) & 0.062” (1.60mm) Aluminum
 - Copper is available upon request
- ❖ Specify Dielectric Material: Type and minimum thickness, Typical high Tg FR4
- ❖ Surface Finish Availability:
 - ❖ HASL, Lead Free HASL, ENIG, OSP over all exposed copper including SinkPAD pads



THANK YOU

For more information contact

eng@sinkpad.com

Visit us at www.sinkpad.com

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