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## Certificate

*It is here by certified that the paper ID : IJRASET36922, entitled  
Thermal Management and Parametric Study of Flip Chip BGA using Finite Element  
Methods*

*by  
Y Venkata Naga Chandana*

*after review is found suitable and has been published in  
Volume 9, Issue VI, June 2021  
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*By [Signature]*

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