



Thermal Analysis Input Data Sheet

Customer Name: _____

Aries P/N: _____

NOTE: Each simulation set can take anywhere from a day to a week to be completed depending on a variety of factors. It should also be noted that depending on the results of the simulations, changes may need to be made to the design, which may require the socket to be re-quoted. Please provide as much accurate information as possible to support the analysis.

- 1) Thermal Load or Power from the Chip? _____ Watts
- 2) Is the surrounding medium air? _____ Yes _____ No
If no, what _____ Gas?
- 3) Will this use _____ Pedestal Heat Sink _____ Top Mounted Heat Sink, or is Either Acceptable? _____ Yes _____ No
- 4) Can the design incorporate a fan on the heat sink? _____ Yes _____ No
- 5) Is there any airflow provided by the customer's system acting on the socket? _____ Yes _____ No
If yes, please define _____ Air Speed _____ Orientation
- 6) Material specifications of the chip? _____ Heat Transfer Coefficient _____ Density _____ Specific Heat
(Simulation can be completed **with** estimated material yielding slight inaccuracy)
- 7) Is there a solid model of the device that can be sent? _____ Yes _____ No
(Simulation can be completed **without** model yielding slight inaccuracy)
- 8) Maximum Temperature for the device? _____ °C
- 9) Maximum temperature of the surrounding medium in the test environment? _____ °C
(Environment maximum temperature must be a value **lower** than the maximum device temperature)
- 10) PCB board thickness? _____ inches [_____] [mm]
- 11) Other information regarding size limitations, environment, and other notes for this design?

Attach any drawings.

CUSTOMIZATION: ARIES SPECIALIZES IN CUSTOM DESIGN AND PRODUCTION. SPECIAL MATERIALS, PLATINGS, SIZES, AND CONFIGURATIONS CAN BE FURNISHED, DEPENDING ON QUANTITY.

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