

Date Received:

We use this document for gathering specific information required to provide a thermal solution for your project. Sections marked with an asterisk are required.

1.0* CONTACT INFORMATION

Please fill in the following required information:

- 1.1 Company Name: _____
- 1.2 Contact Name: _____
- 1.3 Phone # (_____) _____ - _____
- 1.4 Email Address: _____
- 1.5 Address: _____
- 1.6 State/ Postal/ Country: _____
- 1.7 Project Name: _____
- 1.8 How did you find out about Noren Products?

2.0 CONFIDENTIALITY

- 2.1 Is there a need to establish a mutual non-disclosure agreement (NDA)?
 Yes No

3.0* TECHNICAL INFORMATION

- 3.1 Heat Source Definition:
 - a) How many heat sources are present?
 - b) What is (are) the size of the heat source(s)?
 - c) What is (are) heat load per each heat source (Watts)?
- 3.2 What are heat sink/heat pipe dimensions?
- 3.3 What is (are) the Heat sink/Heat Pipe material specification(s)?
- 3.4 Heat sink/heat pipe orientation?

3.5 Ambient temperature?

3.6 Type of Cooling

Air

Natural Convection

Forced Convection (Fan curves: Pressure drop vs flow rate/Fan make and Model)

Liquid

a) Type?

b) Flow rate?

c) Maximum allowable pressure drop

d) Fluid temperature constraint (Inlet & Outlet)

Other (Please specify)

3.7 **Documents**

Please provide CAD models/ drawings or any sketches.

3.8 **Design requirements**

a) Maximum allowable temperature of the heat sink at the device mounting surface?

b) Maximum weight of the thermal solution?

c) Dimensional constraints

d) Material constraints

e) Surface finish requirements?

f) Fan noise constraints?

g) Storage & transportation requirements?

h) Environmental constraints?

i) Others (please specify)

4.0 PROGRAM INFORMATION

4.1 What is the target date required to complete this project?

4.2 Prototypes

- a) Prototype Quantity & Schedule?
- b) Quote Required Date:

4.3 Production:

- a) What is the forecasted production quantity?
- b) What is the production ramp schedule?
- c) For what quantities should we provide a quotation?
- d) Where are the production units to be shipped?

4.4 Vendor Selection Requirements:

- a) Are there other technologies being reviewed for this solution? Yes No
- b) What are the determining factors for awarding this solution?
 Price Lead Times Other
- c) When will a decision be made to select the solution provider?
 Qtr. 1 Qtr. 2 Qtr. 3 Qtr. 4 Year _____