

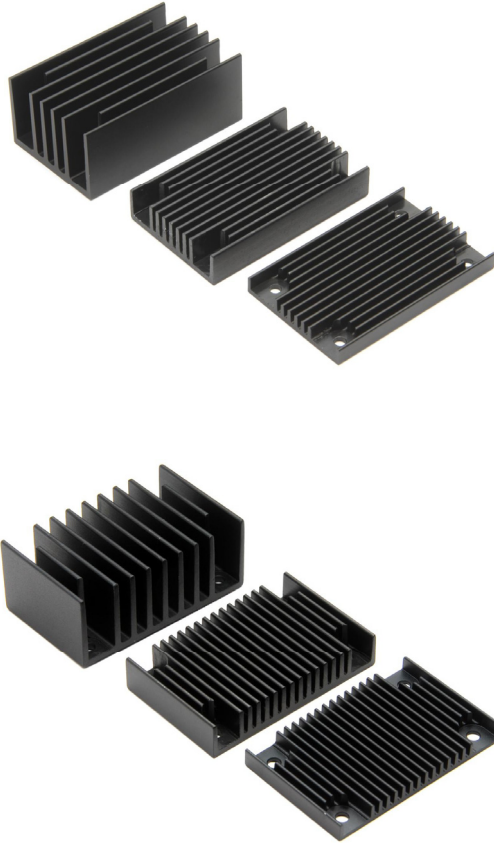


## LINEAGE POWER

### Quarter Brick Power Module Heat Sinks

### **$\frac{1}{4}$ ", $\frac{1}{2}$ ", and 1" Transverse and Longitudinal Kits**

#### RoHS Compliant



#### Features

- Compliant to RoHS EU Directive 2002/95/EC (Z versions) including screws
- Heat Sink Material: 6063-T5 Aluminum
- Heat Sink Finish: Black anodize per MIL-A-8625, Type II, Class 2
- Size:
  - Length: 2.28 in.
  - Width: 1.45 in.
- Available heights:  $\frac{1}{4}$ ",  $\frac{1}{2}$ ", 1"
- Available in Longitudinal and Transverse Orientations
- ISO\*\* 9001 and ISO 14001 certified manufacturing facilities

#### Description

This document contains ordering information and assembly instructions for heat sinks to be used with Lineage Power's Quarter Brick power modules equipped with the base plate option (-H option in the module part number). The base plate is factory attached to the module and is designed to make thermal contact with the power dissipating components on the module and conduct this heat to the outer surface of the base plate. If a heat sink is attached to this surface of the base plate, it is possible to deliver increased output power for a specific ambient air temperature and airflow rate. Please consult the individual modules' data sheet for additional thermal and mechanical information on the module's base plate.

These heat sink kits come complete with the heat sink, thermal interface material and attachment screws. There are different heat sink kits for each the quarter brick family groups, because the base plate thickness is different in each group, requiring different screw lengths to achieve minimum thread engagement, and also not protrude beneath the base plate onto the modules' top side components. Please take care in ordering the proper kit, based upon which quarter brick family group is being equipped with a heat sink. It is not possible to order heat sinks attached to modules from the factory. Modules with attached heat sinks can be large and heavy. Suitable shipping packaging material does not exist to insure that no damage occurs to the module/heat sink assembly.

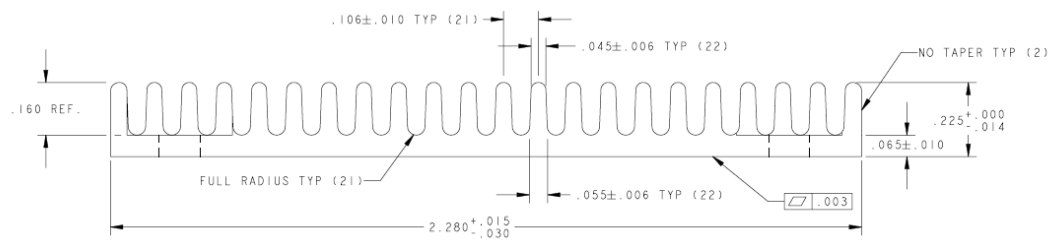
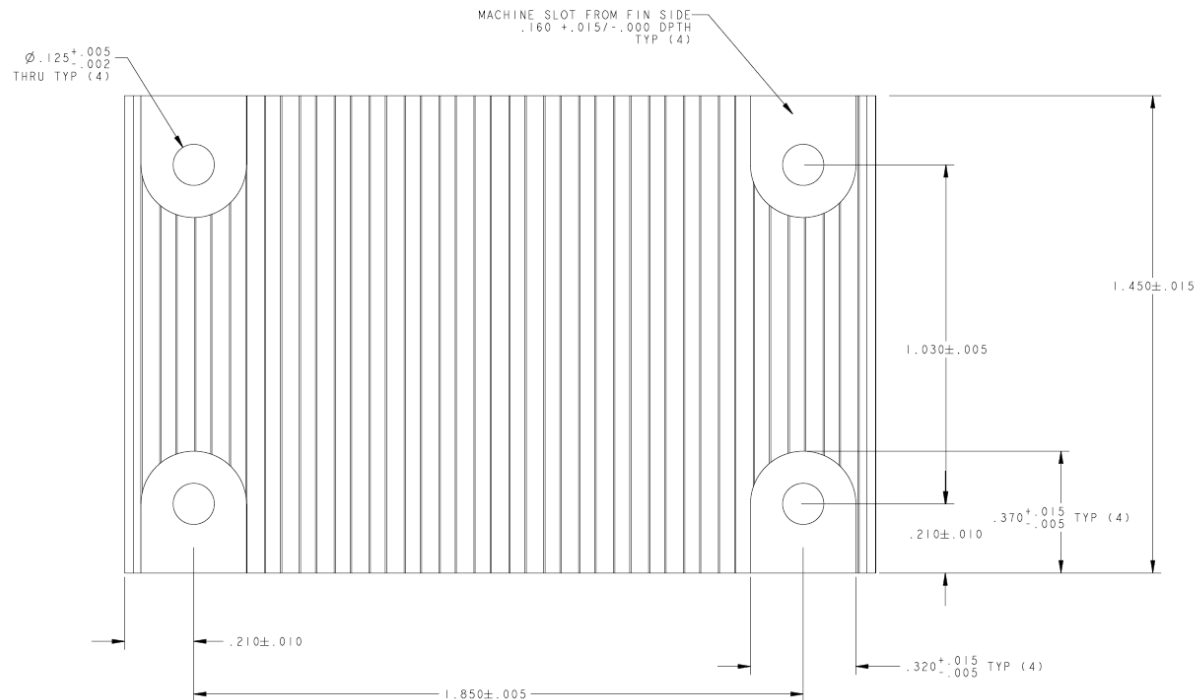
\*\* ISO is a registered trademark of the International Organization of Standards

## Mechanical Outline 1/4" Transverse

Dimensions are in inches

Tolerances: x.xx in.  $\pm 0.01$  in. [unless otherwise indicated]

x.xxx in  $\pm 0.005$  in.

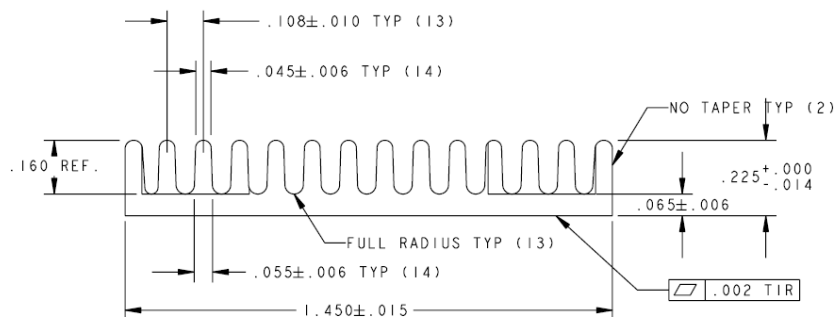
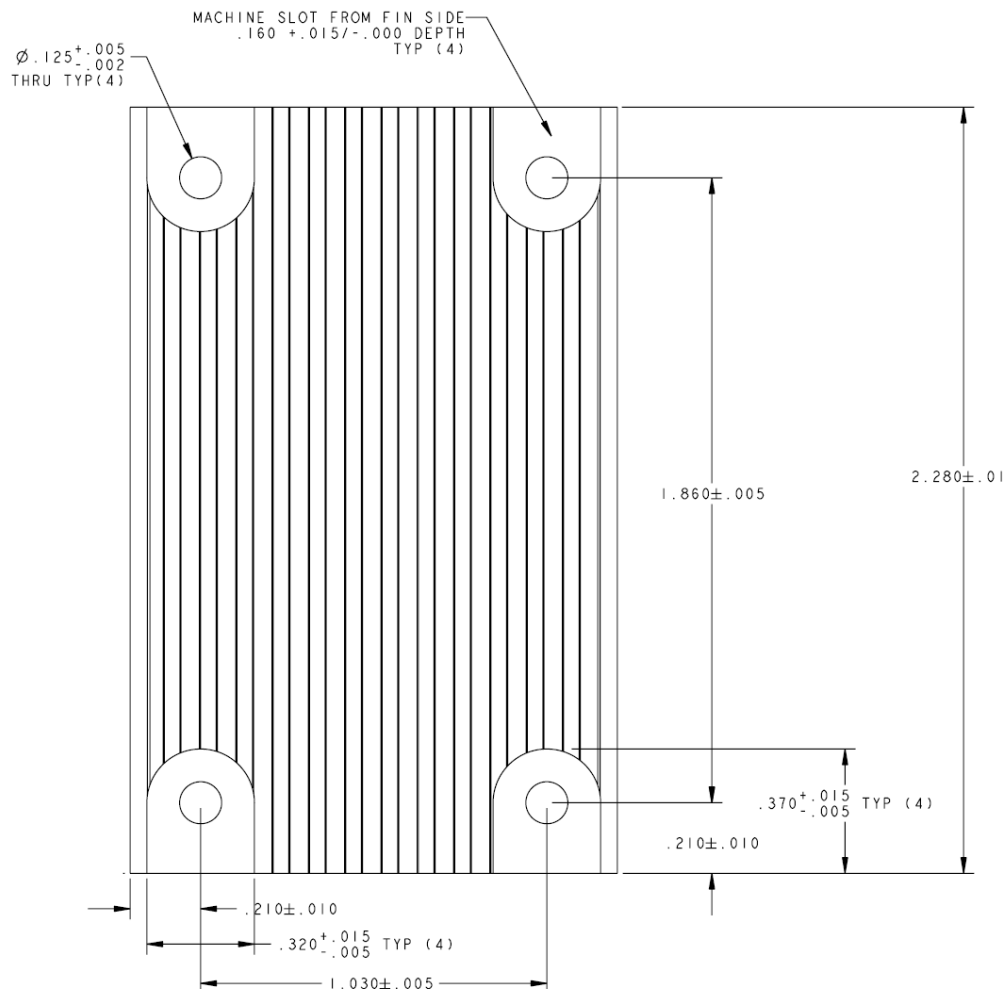


## Mechanical Outline 1/4" Longitudinal

Dimensions are in inches

Tolerances: x.xx in.  $\pm 0.01$  in. [unless otherwise indicated]

x.xxx in  $\pm 0.005$  in.

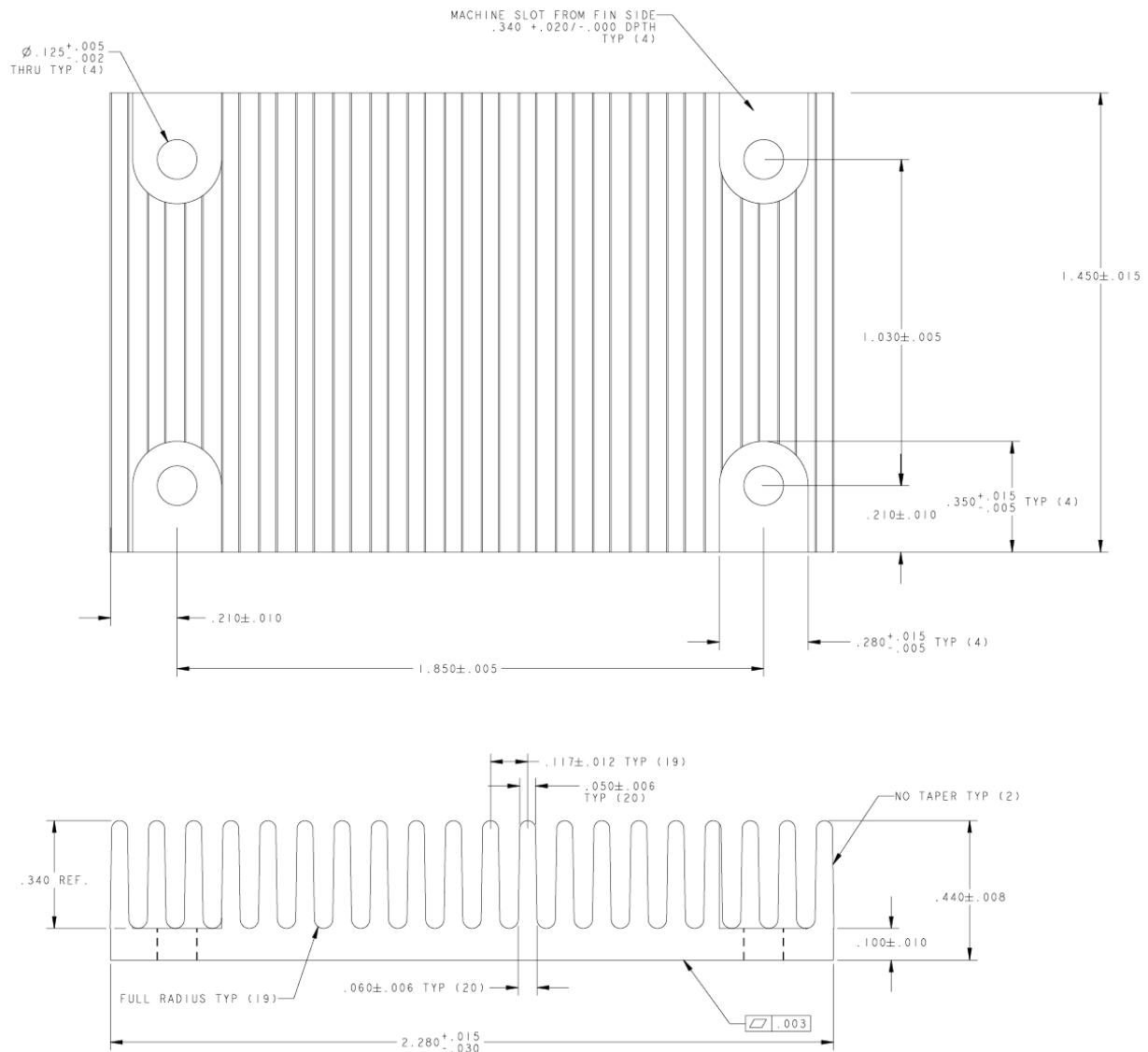


## Mechanical Outline 1/2" Transverse

Dimensions are in inches

Tolerances: x.xx in.  $\pm 0.01$  in. [unless otherwise indicated]

x.xxx in  $\pm 0.005$  in.

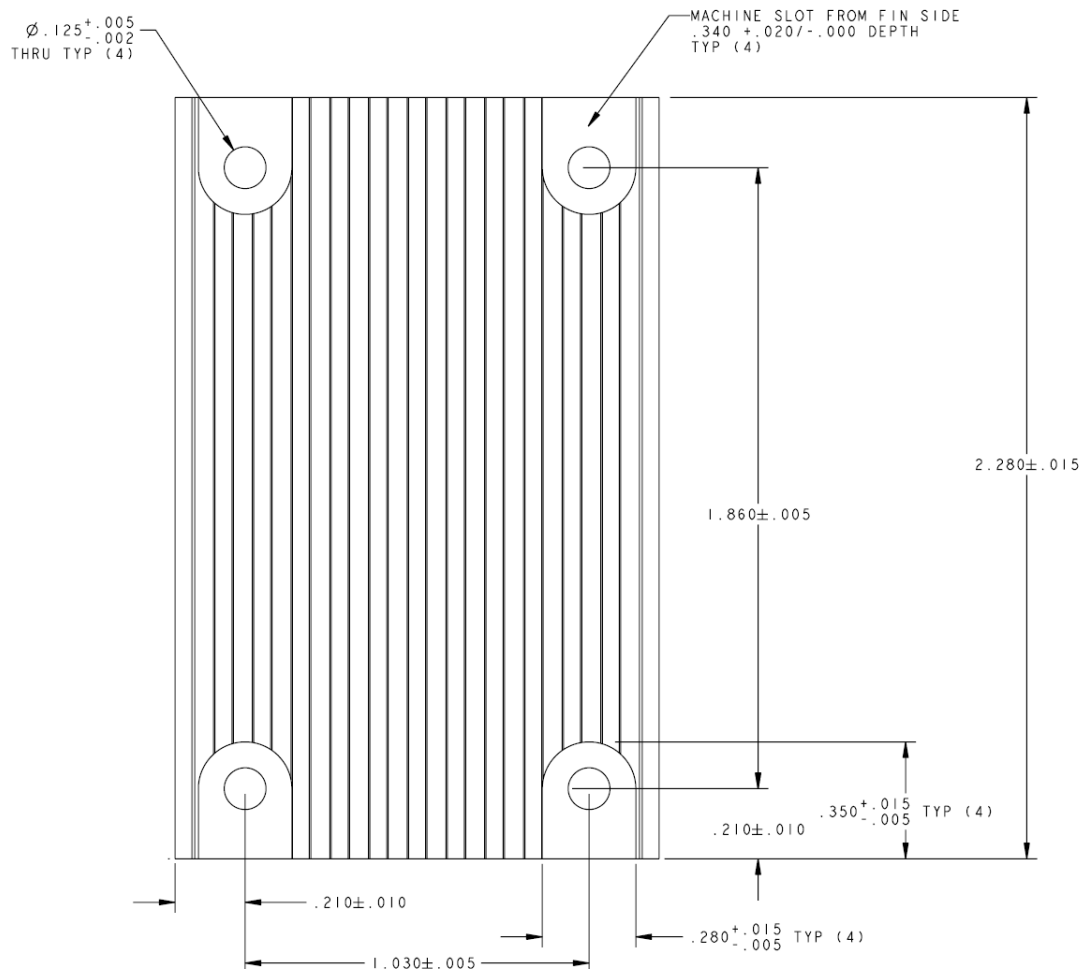


## Mechanical Outline 1/2" Longitudinal

Dimensions are in inches

Tolerances: x.xx in.  $\pm 0.01$  in. [unless otherwise indicated]

x.xxx in  $\pm 0.005$  in.

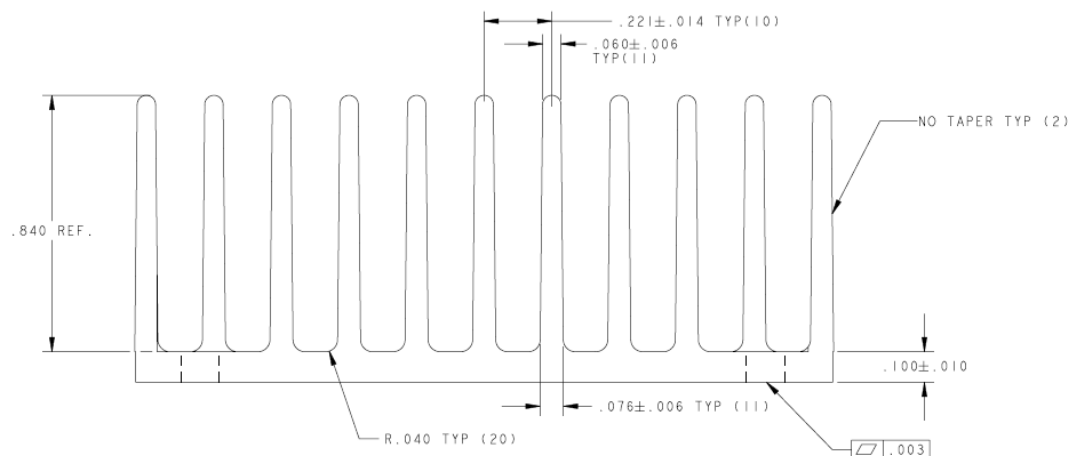
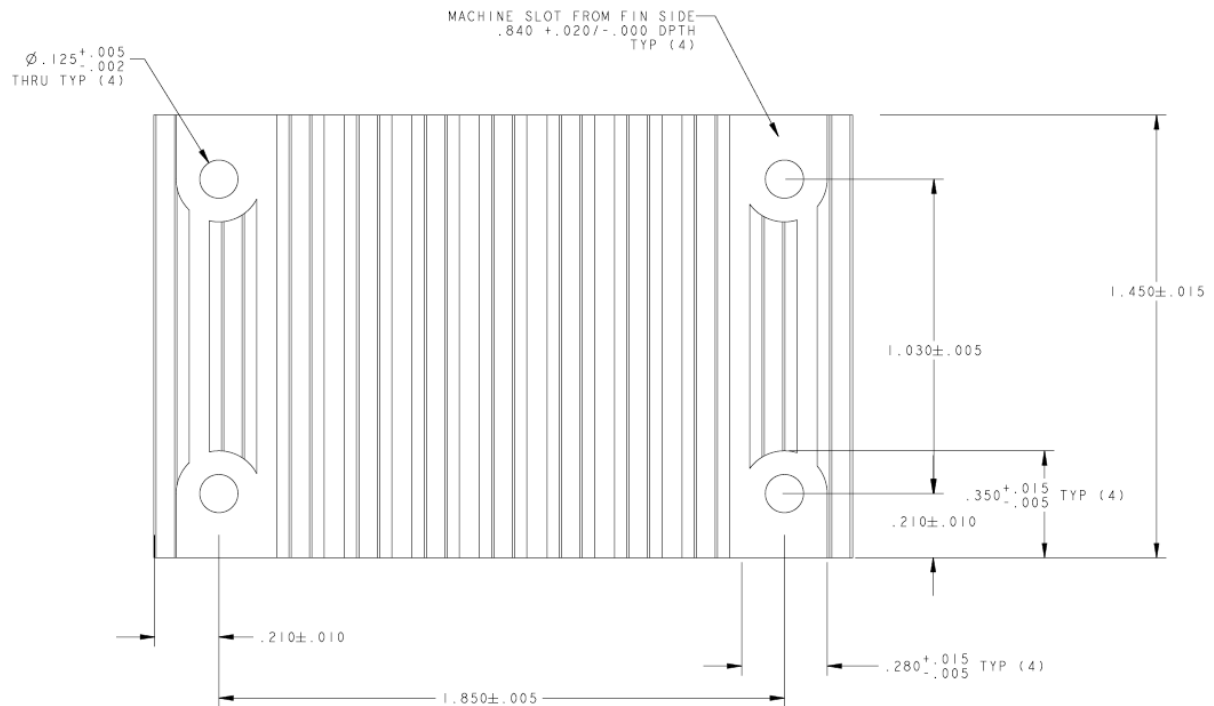


## Mechanical Outline 1" Transverse

Dimensions are in inches

Tolerances: x.xx in.  $\pm 0.01$  in. [unless otherwise indicated]

x.xxx in  $\pm 0.005$  in.

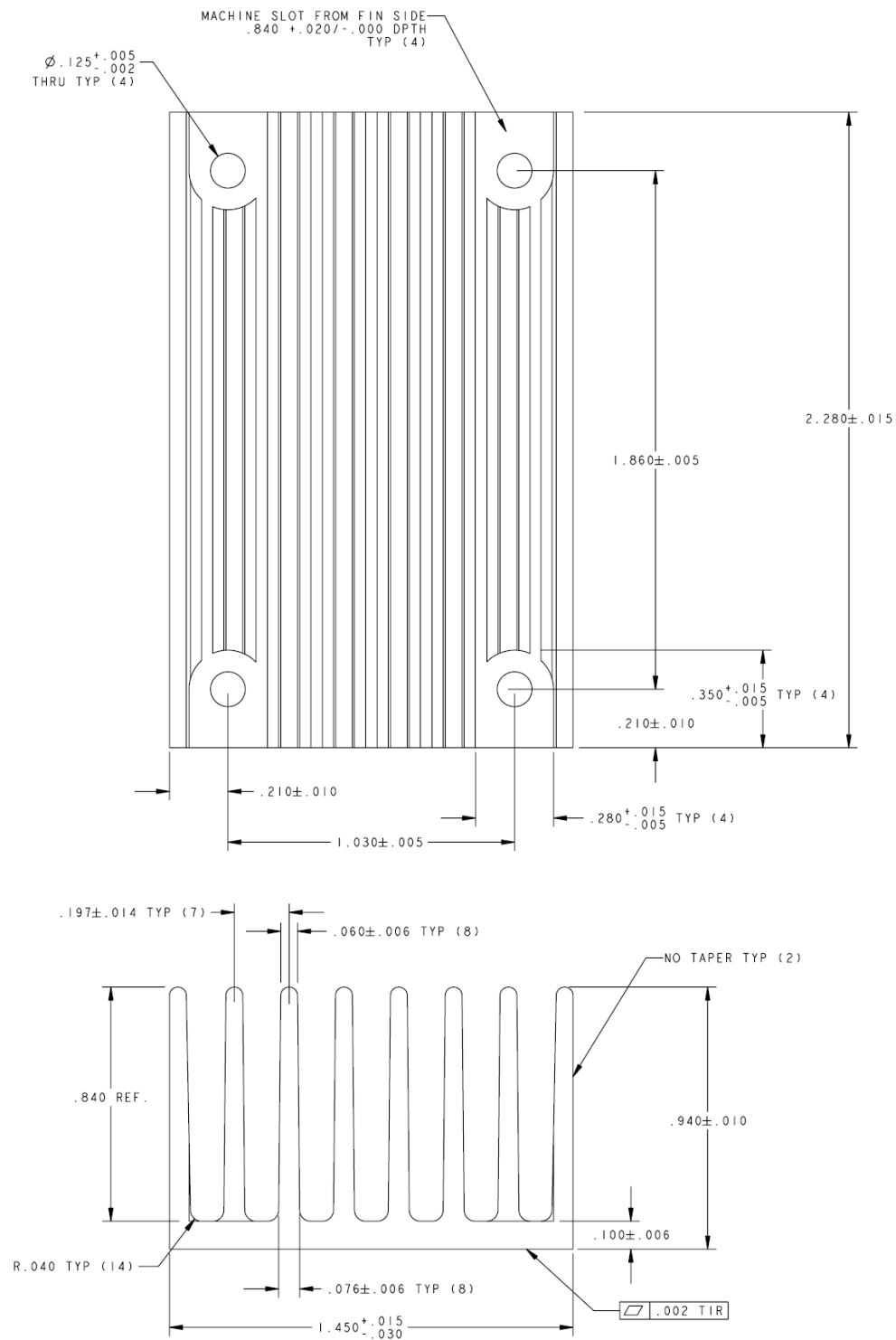


## Mechanical Outline 1" Longitudinal

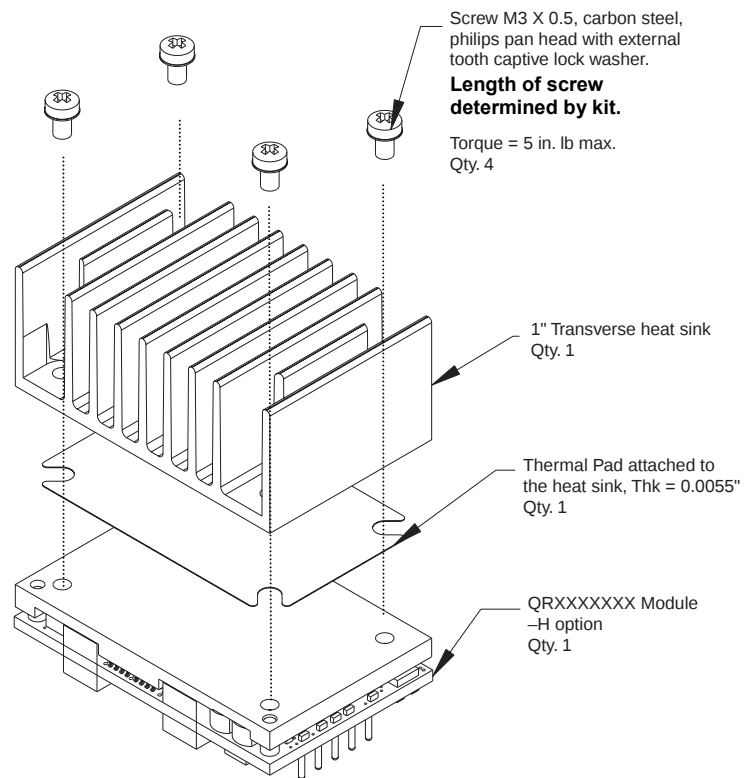
Dimensions are in inches

Tolerances: x.xx in.  $\pm 0.01$  in. [unless otherwise indicated]

x.xxx in  $\pm 0.005$  in.



**Assembly Exploded View (1" Transverse shown, same procedure for all heat sinks)**



## Ordering Information

Please contact your Lineage Power Sales Representative for pricing and availability.

**Table 1. Device Codes**

| QRW/QPW Series Family Group Heat Sink Kits     |                       |                   |             |
|------------------------------------------------|-----------------------|-------------------|-------------|
| Part Number                                    | Description           | Screw included    | Comcode     |
| MHST02520Z                                     | 1/4" Transverse Kit   | M3 x .5 x 3.556mm | CC848795897 |
| MHSL02520Z                                     | 1/4" Longitudinal Kit | M3 x .5 x 3.556mm | CC848795666 |
| MHST05020Z                                     | 1/2" Transverse Kit   | M3 x .5 x 4.572mm | CC848795906 |
| MHSL05020Z                                     | 1/2" Longitudinal Kit | M3 x .5 x 4.572mm | CC848795674 |
| MHST10020Z                                     | 1" Transverse Kit     | M3 x .5 x 4.572mm | CC848795914 |
| MHSL10020Z                                     | 1" Longitudinal Kit   | M3 x .5 x 4.572mm | CC848795682 |
| QBE/QBK/QBW Series Family Group Heat Sink Kits |                       |                   |             |
| Part Number                                    | Description           | Screw included    | Comcode     |
| MHST02523Z                                     | 1/4" Transverse Kit   | M3 x .5 x 4mm     | CC848788604 |
| MHSL02523Z                                     | 1/4" Longitudinal Kit | M3 x .5 x 4mm     | CC848788612 |
| MHST05023Z                                     | 1/2" Transverse Kit   | M3 x .5 x 5mm     | CC848788620 |
| MHSL05023Z                                     | 1/2" Longitudinal Kit | M3 x .5 x 5mm     | CC848788637 |
| MHST10023Z                                     | 1" Transverse Kit     | M3 x .5 x 5mm     | CC848788694 |
| MHSL10023Z                                     | 1" Longitudinal Kit   | M3 x .5 x 5mm     | CC848788728 |
| QW Series Family Group Heat Sink Kits          |                       |                   |             |
| Part Number                                    | Description           | Screw included    | Comcode     |
| MHST02525Z                                     | 1/4" Transverse Kit   | M3 x .5 x 8mm     | CC848795955 |
| MHSL02525Z                                     | 1/4" Longitudinal Kit | M3 x .5 x 8mm     | CC848795922 |
| MHST05025Z                                     | 1/2" Transverse Kit   | M3 x .5 x 8mm     | CC848795963 |
| MHSL05025Z                                     | 1/2" Longitudinal Kit | M3 x .5 x 8mm     | CC848795930 |
| MHST10025Z                                     | 1" Transverse Kit     | M3 x .5 x 8mm     | CC848795971 |
| MHSL10025Z                                     | 1" Longitudinal Kit   | M3 x .5 x 8mm     | CC848795947 |

-Z Indicates RoHS Compliant Versions



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