

# Q1

1U Passive Heat Sink

**PRODUCT SPECIFICATIONS**

\*Preliminary Version

Subject to change

## Q1 | Socket LGA 1700

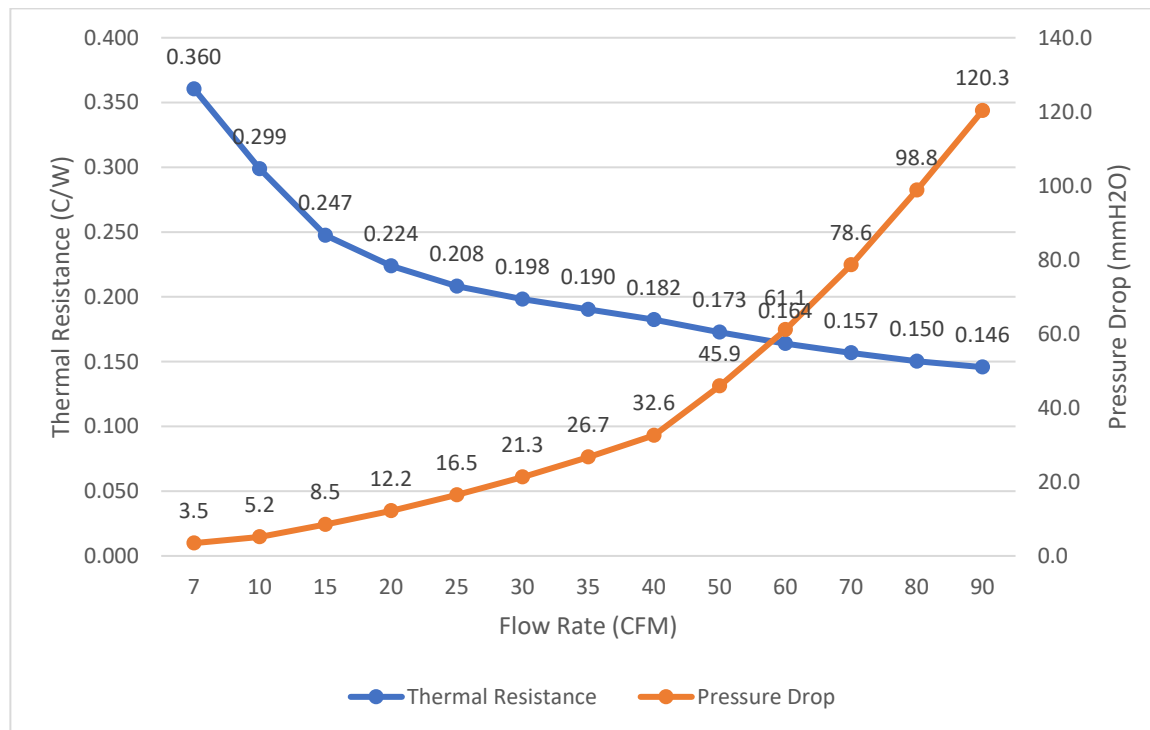
### Model Number: Q1

- Recommend for Intel® CPU as following
  - Support Intel Core 12th -15th Gen, Socket LGA1700/1851
- Passive Heat Sink for 1U Server

### Overall Specification

|                   |                                               |
|-------------------|-----------------------------------------------|
| Dimension         | 90 x 90 x 27 mm                               |
| Weight            | 490g ±5g                                      |
| Material          | Copper Heat Sink with Skiving Fins            |
| Mounting          | Captive Mounting Design                       |
| Back Strip        | Included                                      |
| Thermal Grease    | Pre-Printed with SHIN-ETSU 7762 or Equivalent |
| Support CPU Power | Up to 130 Watts at 30° ambient temperature    |

### Performance Chart: Passive Cooler Q2 Thermal Resistance Thermal Performance vs. Flow Rate



2

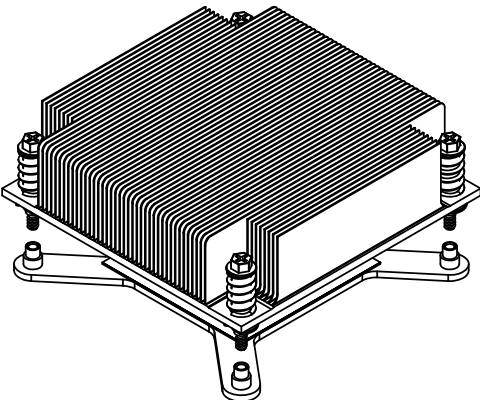
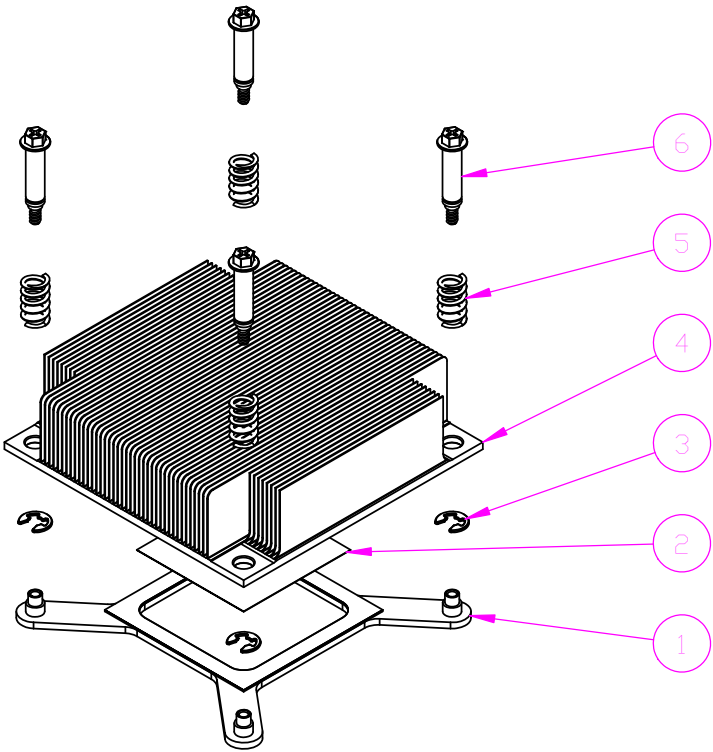
1

CONFIDENTIAL DOCUMENT

THIS DRAWING CONTAINS INFORMATION PROPRIETARY TO DYNATRON CORPORATION AND DYNAEON INDUSTRIAL CO., LTD. ANY REPRODUCTION, DISCLOSURE, OR USE OF THIS DRAWING IS EXPRESSLY PROHIBITED EXCEPT AS DYNATRON CORPORATION AND DYNAEON INDUSTRIAL CO., LTD. MAY OTHERWISE AGREE TO IN WRITING.

| REV# | DESCRIPTION       | CHECKER | DATE     |
|------|-------------------|---------|----------|
| 0.0  | INITIAL RELEASE   | JBY     | 02/24/21 |
| 1.0  | CHANGED BACKPLATE | JUN     | 07/05/23 |

© 2020 by Dynatron Corporation.



|        |                    |                                |      |
|--------|--------------------|--------------------------------|------|
| 6      | M3 SCREW, HEATSINK | STEEL                          | 4    |
| 5      | SPRING             | STEEL                          | 4    |
| 4      | HEATSINK           | COPPER                         | 1    |
| 3      | C-RING             | STEEL                          | 4    |
| 2      | THERMAL GREASE     | SHIN-ETSU 7762                 | N/A  |
| 1      | BACKPLATE          | SPCC PLATE + POLYMER INSULATOR | 1    |
| ITEM # | DESCRIPTION        | MATERIAL                       | QTY. |

NOTES:  
THE FIGURE IS FOR REFERENCE ONLY, AND NOT FOR SCALE

|            |  |          |      |                                                                                                            |            |
|------------|--|----------|------|------------------------------------------------------------------------------------------------------------|------------|
|            |  | DATE     | NAME |  DYNATRON CORPORATION |            |
| DRAWN      |  | 7/5/2023 | JUN  | TITLE:<br>1U Passive Cooler Q1<br>BOM & exploded Assembly Drawing                                          |            |
| CHECKED    |  | 7/5/2023 | JUN  |                                                                                                            |            |
| ENG. APPR. |  |          |      |                                                                                                            |            |
| MFG. APPR. |  |          |      |                                                                                                            |            |
| COMMENTS:  |  |          |      | DWG. NO.<br>DNY-EP-Q1                                                                                      | REV<br>1.0 |

2

1

1 2 3 4 5 6 7

| REV# | DESCRIPTION     | CHECKER | DATE     |
|------|-----------------|---------|----------|
| 0.0  | INITIAL RELEASE | JBY     | 02/24/21 |

A

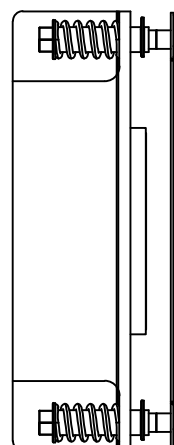
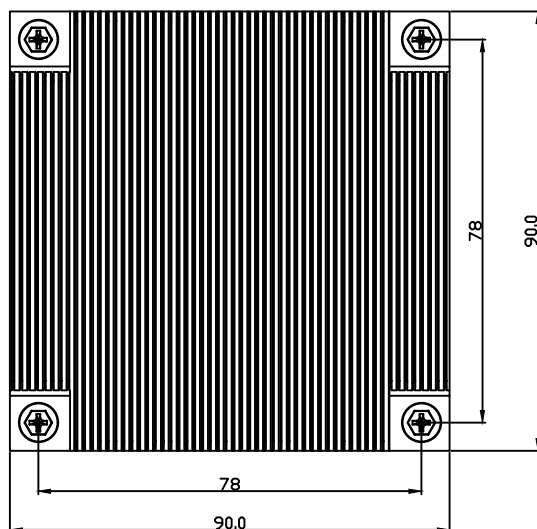
A

B

B

C

C

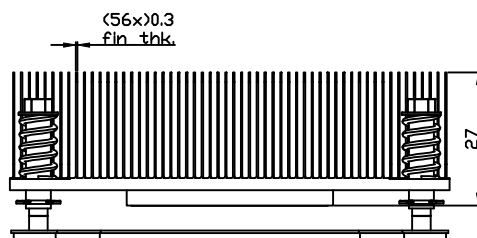


D

D

E

E



F

F

G

G

|              | NAME | DATE       |
|--------------|------|------------|
| DRAWN BY     | ENGR | 02/24/2021 |
| CHECKED BY   | ENGR | 02/24/2021 |
| ENG.APPROVED |      |            |
| MFG.APPROVED | -    | -          |



DYNATRON CORPORATION

TITLE:

1U PASSIVE COOLER  
Q1

Overall Dimension Drawing

**CONFIDENTIAL DOCUMENT**

THIS DRAWING CONTAINS INFORMATION PROPRIETARY TO DYNATRON CORPORATION AND DYNAEON INDUSTRIAL CO., LTD. ANY REPRODUCTION, DISCLOSURE, OR USE OF THIS DRAWING IS EXPRESSLY PROHIBITED EXCEPT AS DYNATRON CORPORATION AND DYNAEON INDUSTRIAL CO., LTD. MAY OTHERWISE AGREE TO IN WRITING.

VIEW



DWG. No:

DYN-BD-Q1

REV.

0.0

UNITS

MM

1 2 3 4 5 6 7

H

H