

# A28

1U Passive Cooler

**PRODUCT SPECIFICATIONS**

## Table of Contents

|                                   |   |
|-----------------------------------|---|
| 1. PRODUCT DESCRIPTION .....      | 2 |
| 2. THERMAL PERFORMANCE CURVE..... | 2 |
| 3. DIMENSION DRAWING.....         | 3 |
| 5. ROHS CERTIFICATE .....         | 4 |

## A28 | Socket sTRX4/TR4/SP3

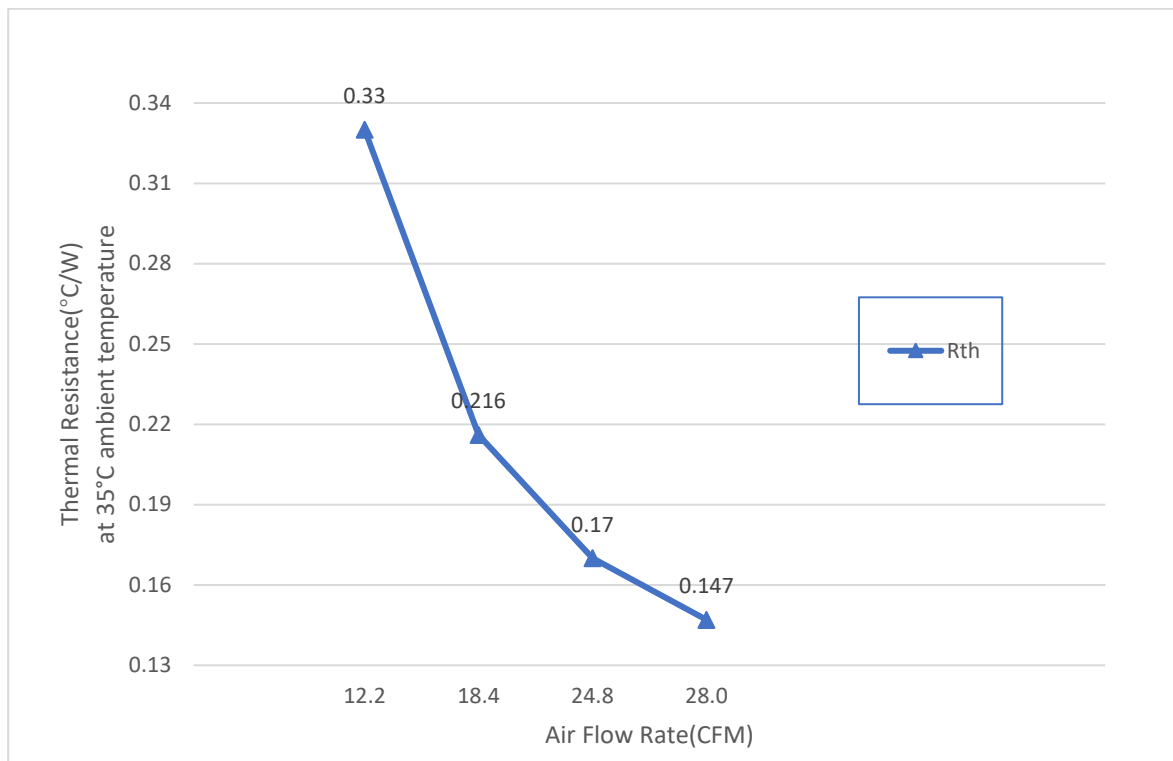
### Model Number: A28

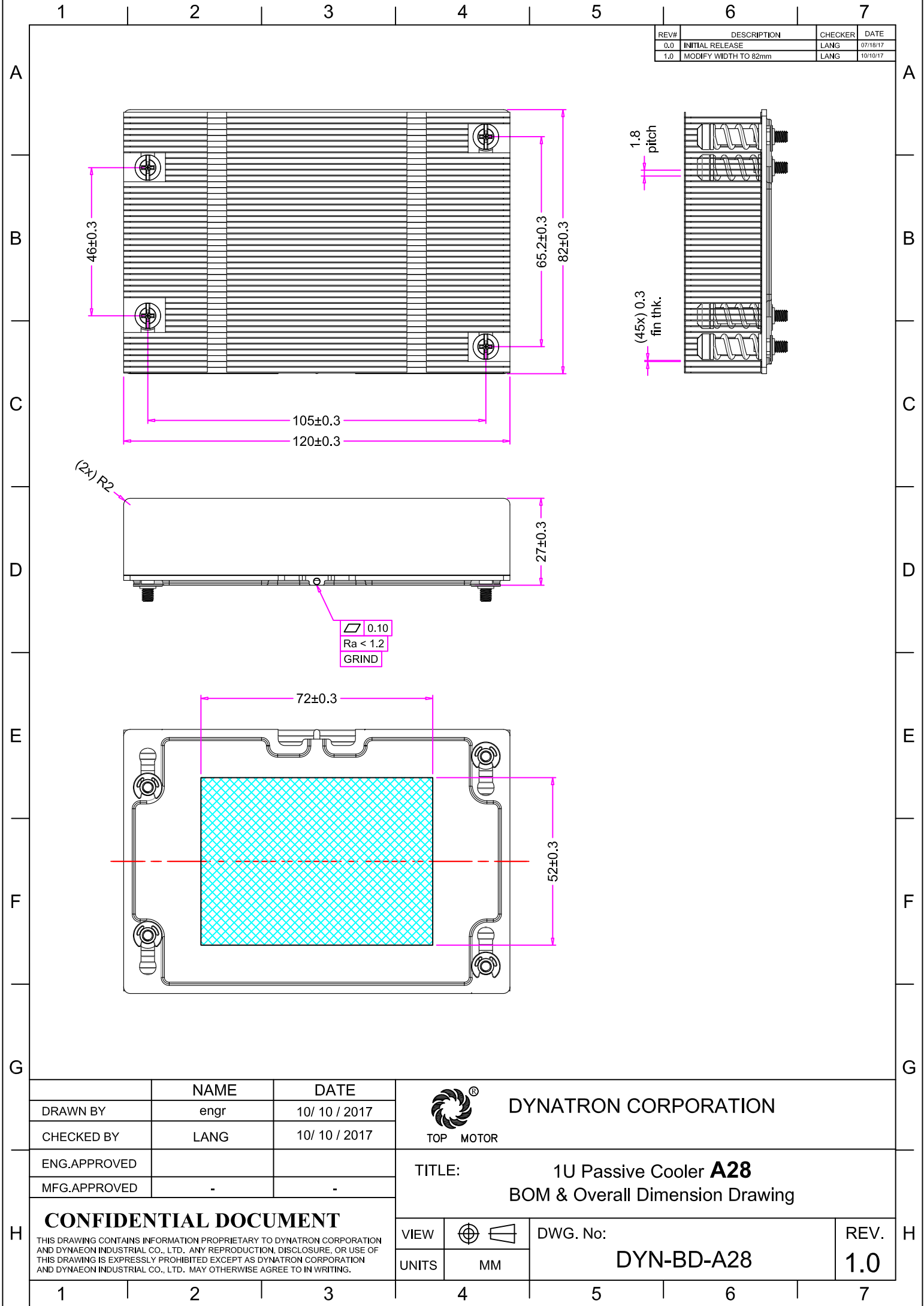
- AMD® Ryzen Threadripper Processor, Socket sWRX8, sTRX4, TR4, and AMD® Epyc Processor Socket SP3
- Passive Cooler for 1U Server

### Overall Specification

|                |                                                    |
|----------------|----------------------------------------------------|
| Dimension      | 120 x 82 x 27 mm                                   |
| Weight         | 450 g                                              |
| Material       | Copper 1100 Vapor Chamber and Stacked Fin          |
| Mounting       | Convenient Heat Sink Screw Captive Mounting        |
| Thermal Grease | Shin-Etsu 7762 or Equivalent                       |
| TDP            | Support CPU Power up to 180 Watts Heat Dissipation |

### Performance Chart: Passive Cooler A28 Thermal Resistance Thermal Resistance vs. Airflow





| REV# | DESCRIPTION          | CHECKER | DATE     |
|------|----------------------|---------|----------|
| 0.0  | INITIAL RELEASE      | LANG    | 07/18/17 |
| 1.0  | MODIFY WIDTH TO 82mm | LANG    | 10/10/17 |

|              | NAME | DATE          |
|--------------|------|---------------|
| DRAWN BY     | engr | 10/ 10 / 2017 |
| CHECKED BY   | LANG | 10/ 10 / 2017 |
| ENG.APPROVED |      |               |
| MFG.APPROVED | -    | -             |



TOP MOTOR

DYNATRON CORPORATION

TITLE: 1U Passive Cooler **A28**  
BOM & 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  |    |
| UNITS | MM |

|          |            |
|----------|------------|
| DWG. No: | DYN-BD-A28 |
|----------|------------|

|      |     |
|------|-----|
| REV. | 1.0 |
|------|-----|

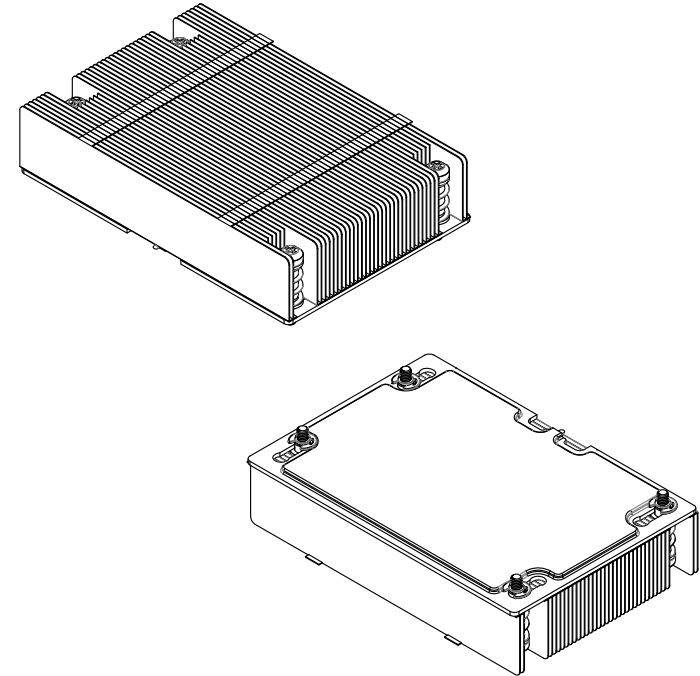
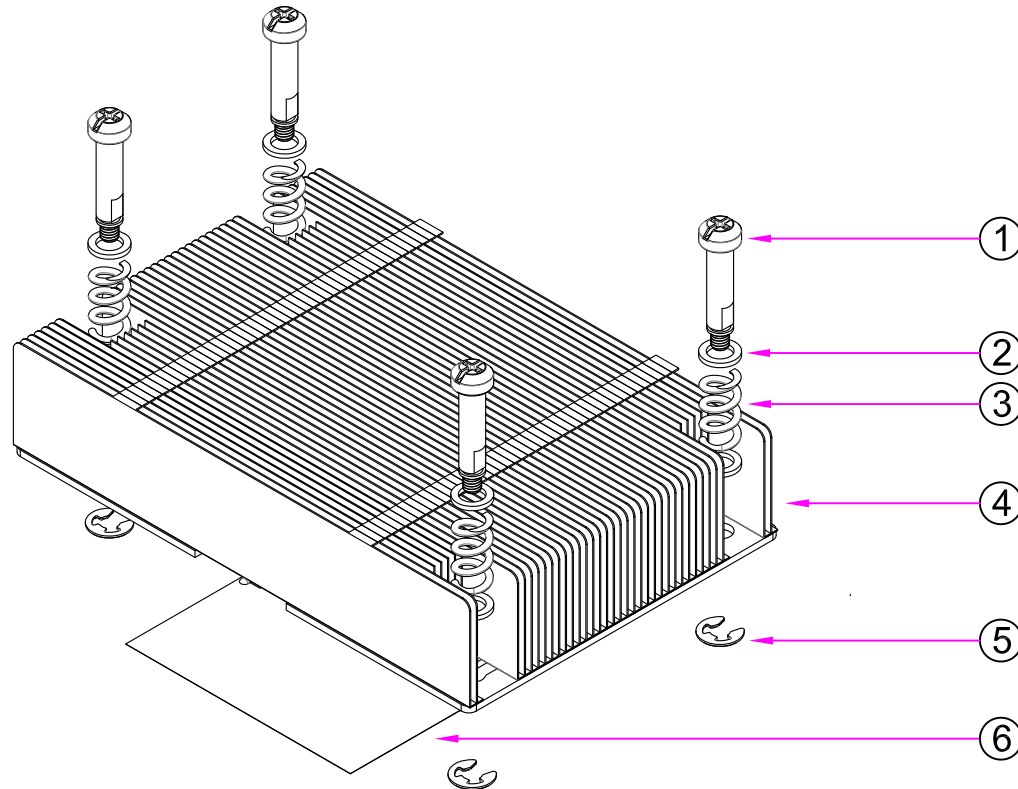
# CONFIDENTIAL DOCUMENT

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      | LANG    | 07/18/2017 |
| 1.0  | MODIFY WIDTH TO 82mm | LANG    | 10/10/2017 |

## ASSEMBLY PARTS

## WHOLE SET OF HEATSINK



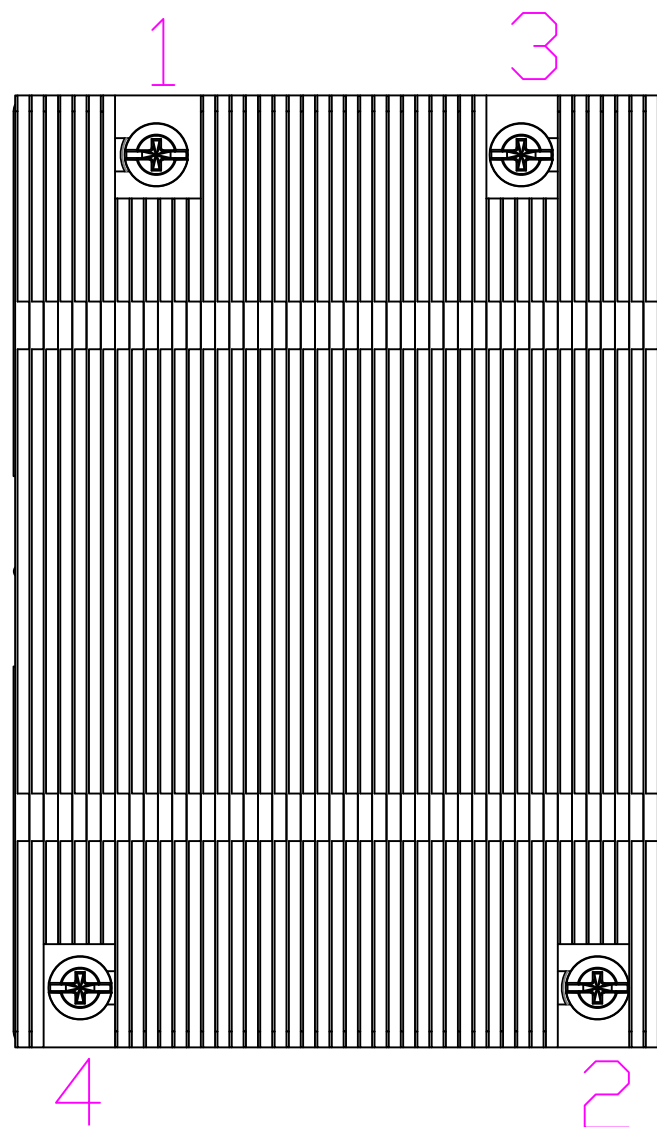
### NOTES:

1. THE FIGURE IS FOR REFERENCE ONLY, AND NOT FOR SCALE
2. OVERALL DIMENSION : 120 x 82 x 27 mm
3. OVERALL WEIGHT : 450 g

| 6     | THERMAL GREASE, PRE-PRINTED | SHIN-ETSU 7762                   | 1    |
|-------|-----------------------------|----------------------------------|------|
| 5     | C-CLIP                      | STEEL                            | 4    |
| 1     | HEATSINK, STACKED FINS      | COPPER1100 VC BASE<br>COPPER FIN | 1    |
| 3     | SPRING (0850)               | SWP                              | 4    |
| 2     | WASHER                      | STEEL                            | 8    |
| 1     | SCREW, HEATSINK (4380)      | STEEL                            | 4    |
| ITEM# | DESCRIPTION                 | MATERIAL                         | QTY. |

|            |            |      |                                                                                                            |  |
|------------|------------|------|------------------------------------------------------------------------------------------------------------|--|
|            | DATE       | NAME |  DYNATRON CORPORATION |  |
| DRAWN      | 10/10/2017 | Engr | TITLE:<br><b>1U Active Cooler A28</b><br>BOM & Exploded Assembly Drawing                                   |  |
| CHECKED    | 10/10/2017 | LANG |                                                                                                            |  |
| ENG. APPR. |            |      |                                                                                                            |  |
| MFG. APPR. |            |      |                                                                                                            |  |
| Q.A.       |            |      | DWG. No: <b>DYN-EP-A28</b>                                                                                 |  |
| COMMENTS:  |            |      | REV<br><b>1.0</b>                                                                                          |  |

# SOCKET SP3/TR4/sTRX4/sWRX8 COOLER INSTALLATION INSTRUCTION



HEATSINK ASSEMBLY  
ORDER 1,2,3,4

HEATSINK DISASSEMBLY  
ORDER 4,3,2,1

TORQUE = 6.1 KG -CM MAX

ALL SCREWS SHOULD BE  
TIGHTENED/RELEASED EVENLY, AVOIDING  
TIGHTENING/RELEASING ANY SCREWS TO THE  
BOTTOM/TOP AT ONCE



## Certificate of Environment Protection

### 環保證明書

Document Number: RH\_A28-R0

|                              |                                                                                           |
|------------------------------|-------------------------------------------------------------------------------------------|
| <b>Customer:</b><br>客戶名稱:    | <b>Company:</b> _____ <b>Address:</b> _____<br><b>Phone Number:</b> _____ - _____ - _____ |
| <b>Issue Date:</b>           | 10/10/2017                                                                                |
| <b>Product Model Number:</b> | A28                                                                                       |

**Dynatron Corporation** hereby declares and certifies that all components manufactured are RoHS compliant according to the definitions and restrictions given by the European Union's Restriction (Directive 2002/95/EC) (Decision 2011/65/EU) RoHS 2, on the restriction of the use of certain Hazardous Substances in the electrical and electronic equipment. Also, compliance to the most recent list of substances on the REACH candidate list.

**Number of substances on the Candidate List: 168 (last updated: 17/12/2015)**

No exemptions are claimed in order for the part to be compliant with the RoHS directive.

**Dynatron Corporation / 政久興業股份有限公司** 證明所有產品, 零件 (包括附屬品, 包裝類) 之環境管理物質完全符合 RoHS, WEEE, 及該環保標準之規定, 並承諾遵循以上之證明。

**Dynatron Corporation.**  
33200 Western Ave,  
Union City, CA 94587  
www.Dynatron-corp.com

**Title (職務):** \_\_\_\_\_ ASSISTANT-MANAGER \_\_\_\_\_

**Signature (簽字):** \_\_\_\_\_ *Alan Lee* \_\_\_\_\_

Date: 10 / 10 / 2017