

A39

3U Active Air Cooler

PRODUCT SPECIFICATIONS

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A39 | Socket sTRX4/TR4/ SP3

Model Number: A39

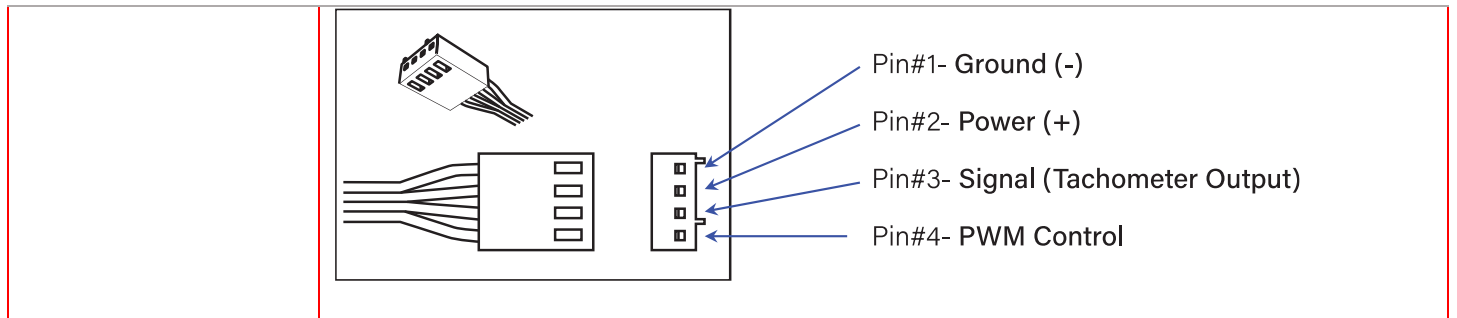
- AMD® Ryzen Threadripper Processor, Socket sWRX8, sTRX4, TR4, and AMD® Epyc Processor Socket SP3
- Active side-blow cooler for 3U Server and Workstation

Overall Specification

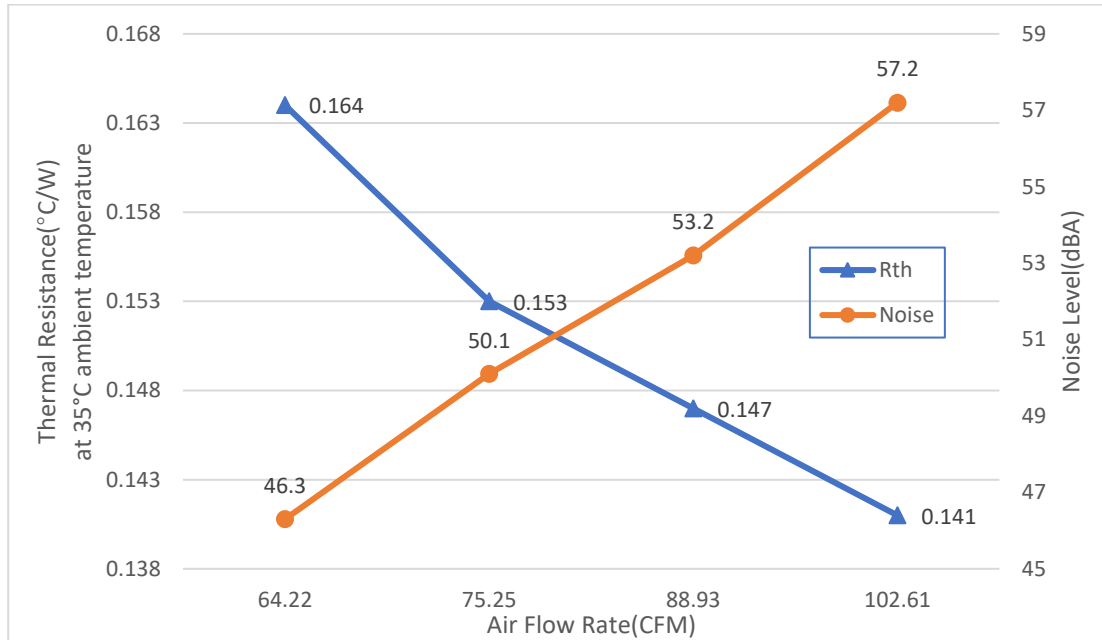
Dimension	120 x 82 x 110 mm
Weight	600 g
Material	Aluminum Heatsink with Heatpipe Embedded
Fan	8038 Axial PWM Fan for Heat Exhausting
Mounting Method	Convenient Heat Sink Screw Captive Mounting
Thermal Grease	Shin-Etsu 7762 or Equivalent
TDP	Support CPU Power up to 280 Watts Heat Dissipation

Fan Specification

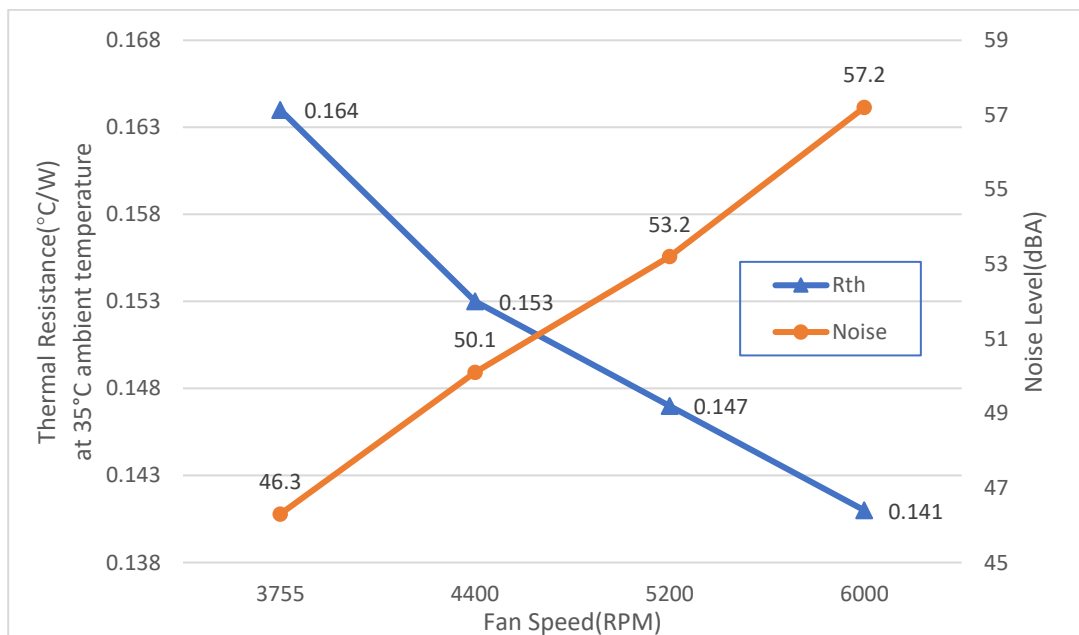
Model Number	DF128038BU - PWM
Dimension	80 x 80 x 38 mm
Bearing	Double Ball
Rated Voltage	12V
Rated Speed	At Duty Cycle 0~20%: 1350 ± 10% RPM At Duty Cycle 50%: 3100 ± 10% RPM At Duty Cycle 100%: 6000 ± 5% RPM
Input Power	At Duty Cycle 0~20%: 1.20 W At Duty Cycle 50%: 3.84 W At Duty Cycle 100%: 22.8 W
Maximum Airflow	At Duty Cycle 0~20%: 23.09 CFM At Duty Cycle 50%: 53.01 CFM At Duty Cycle 100%: 102.60 CFM
Rated Static Pressure	At Duty Cycle 0~20%: 1.15 mm-H ₂ O At Duty Cycle 50%: 6.07 mm-H ₂ O At Duty Cycle 100%: 22.75 mm-H ₂ O
Acoustical Noise	At Duty Cycle 0~20%: 24.77 dBA At Duty Cycle 50%: 42.82 dBA At Duty Cycle 100%: 57.16 dBA
Lead Wire Pin Out	Pin#1- Black(-) Pin#2- Yellow(+) Pin#3- Green(Tachometer/ Signal Output) Pin#4- Blue (PWM) Lead Wire Pin Out Diagram :

A39 | Socket sTRX4/TR4/ SP3

Performance Chart: Active Cooler A39 Thermal Resistance Cooling Performance vs. Airflow



Cooling Performance vs. Fan Speed



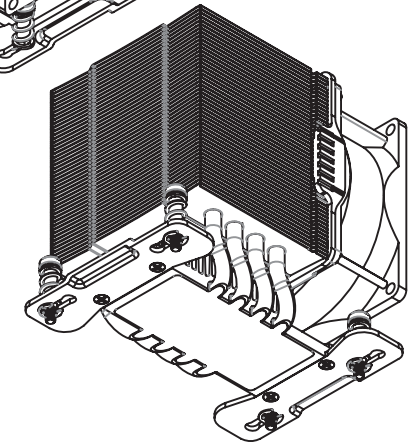
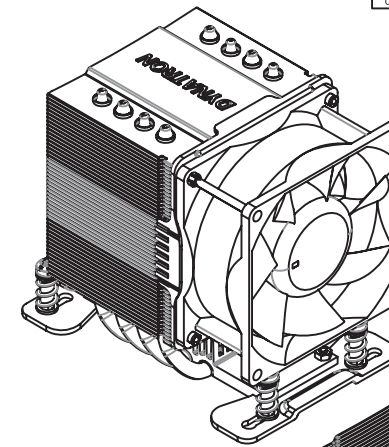
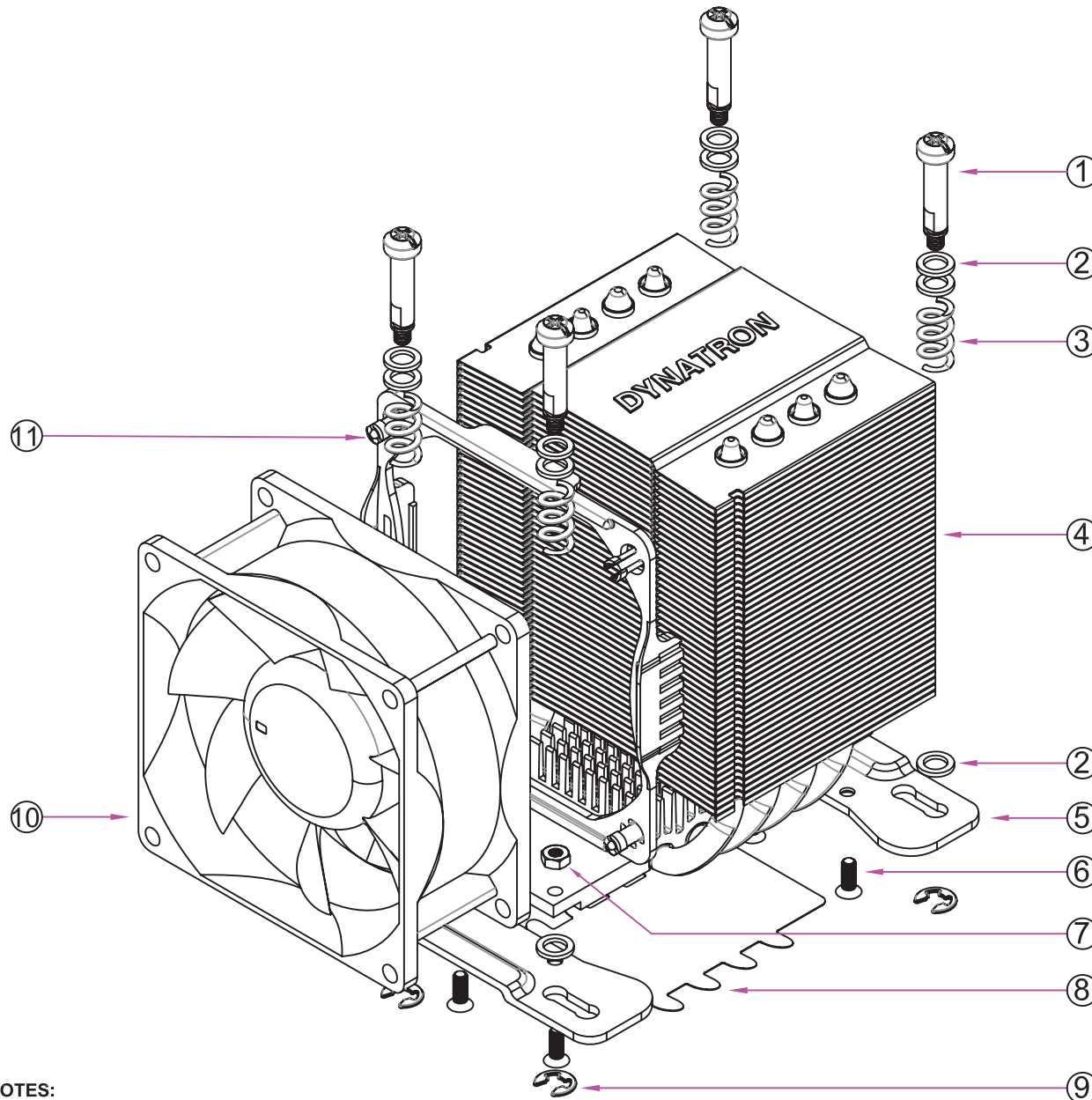
CONFIDENTIAL DOCUMENT

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ASSEMBLY PARTS

REV#	DESCRIPTION	CHECKER	DATE
0.0	INITIAL RELEASE	JOY	06/01/2021

WHOLE SET OF HEATSINK

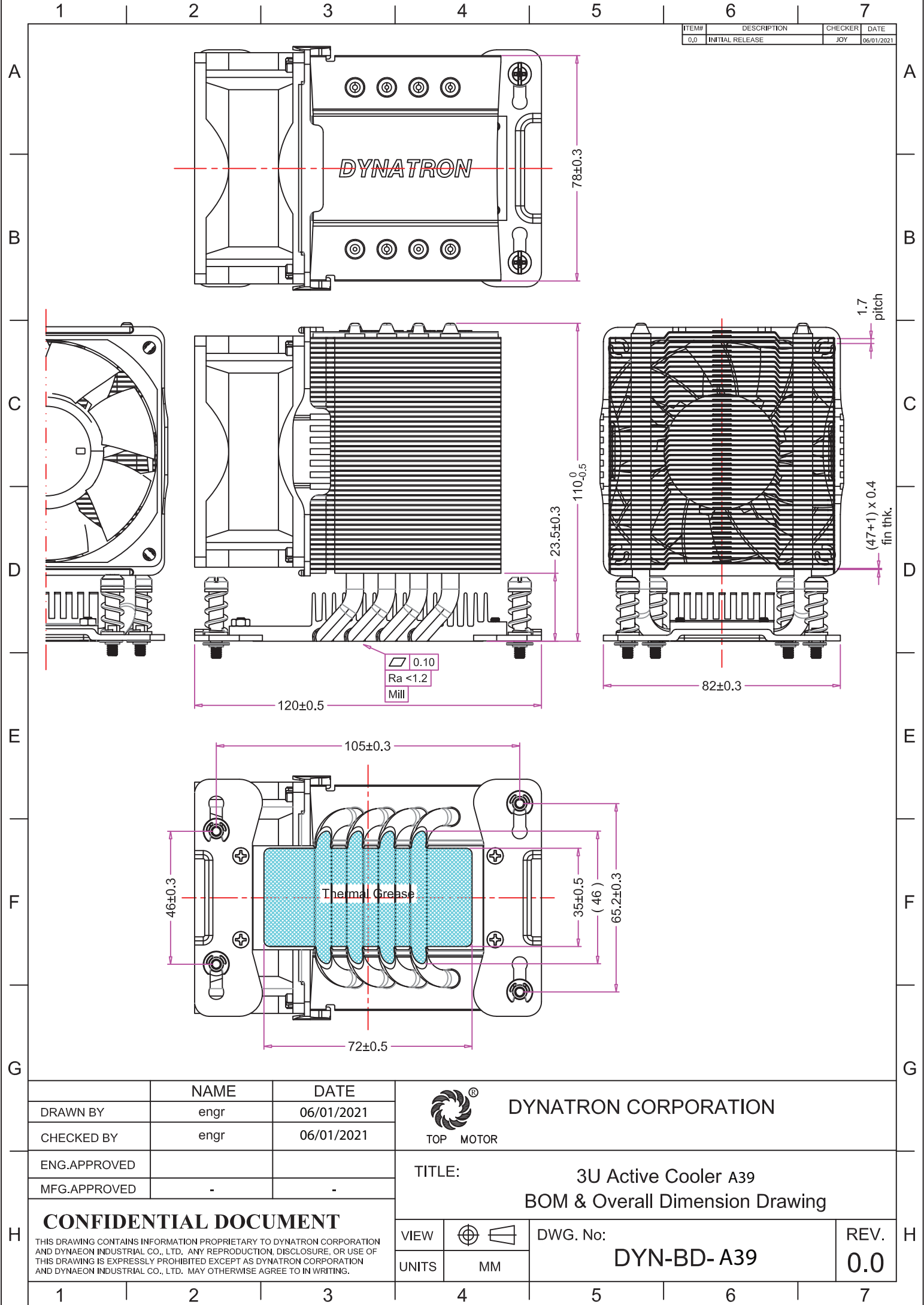


11	Fan Mounting Bracket	Plastic	1
10	Fan, DF128038BU-PWMG, 6000 RPM	Plastic (PBT)	1
9	C-Ring	Steel	4
8	Thermal Grease, Pre-printed	Shin-Etsu 7762	1
7	Nut, Bracket, M3*0.5	Steel	2
6	Screw, Bracket, M3 x 8mmL	Steel	4
5	Heatsink Bracket	SK-7	2
4	Heatsink, with Stacked Fins	(4x)Heat Pipes Aluminum Base Aluminum Stacked Fins	1
3	Spring	SWP (0850)	4
2	Washer	Steel	12
1	Screw, Heatsink Mounting (4380)	Steel	4

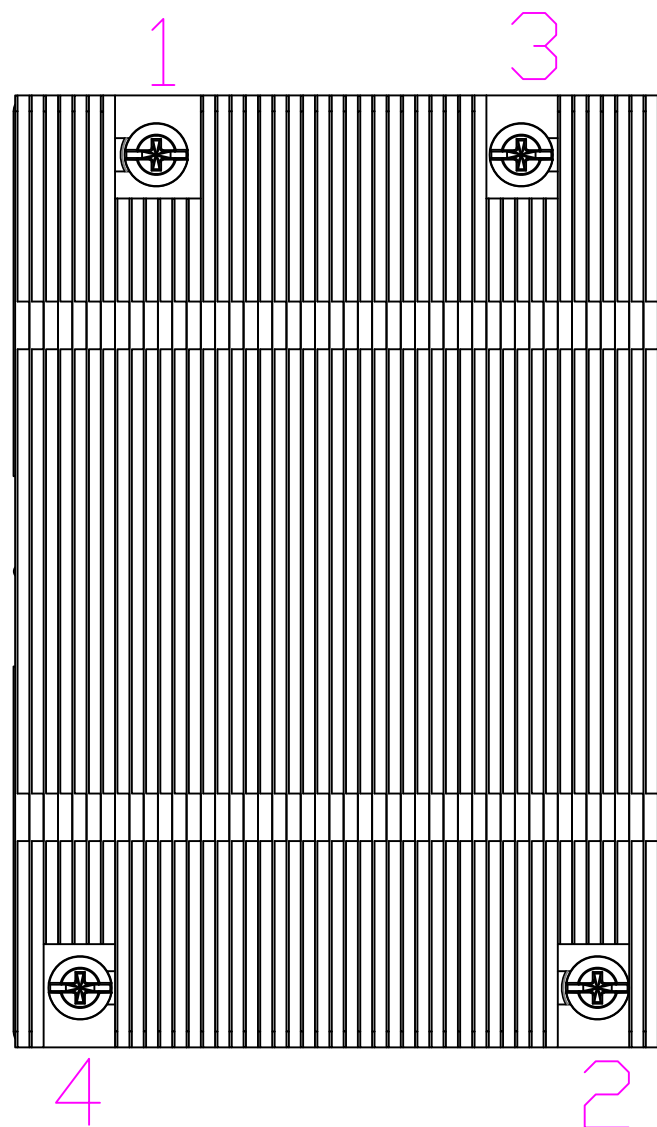
ITEM#	DESCRIPTION		MATERIAL	QTY.
	DATE	NAME	DYNATRON CORPORATION	
DRAWN	06/01/2021	Engr	TITLE: 3U Active Cooler A39 BOM & Exploded Assembly Drawing	
CHECKED	06/01/2021	Engr		
ENG. APPR.				
MFG. APPR.				
Q.A.				
COMMENTS:			DWG. No: DYN-EP- A39	REV 0.0

NOTES:

1. THE FIGURE IS FOR REFERENCE ONLY, AND NOT FOR SCALE
2. OVERALL DIMENSION : 120 x 82 x 110 mm
3. OVERALL WEIGHT ESTIMATED : 600 g



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