

Q8

1U Active Air Cooler

PRODUCT SPECIFICATIONS

Q8 | Socket LGA 1700**Model Number: Q8**

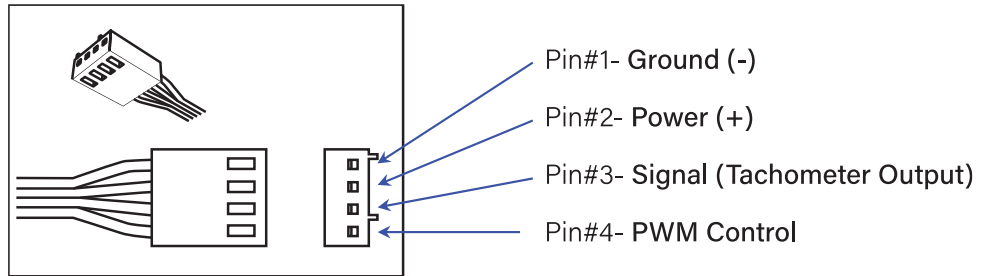
- Recommend for Intel® CPU as following
 - Intel® Alder Lake S Processor, Socket LGA 1700
- Active Cooler for 1U Server & Up

Overall Specification

Dimension	92 x 90 x 28 mm
Weight	420 ± 5 g
Material	Copper Heat Sink with Skiving Fins
Orientations	Switchable without On-board Component Interference
Hestsink mounting	Push-Pin mounting set included
Thermal Grease	SHIN-ETSU 7762 Pre-printed
TDP	Up to 125 Watts CPU Power Heat Dissipation

Cooling Fan Specification

Model Number	DB128015BU-PWMG
Dimension	Ø80 x 15 mm
Bearing	Double Ball
Rated Voltage	12V
Rated Speed	At Duty Cycle 0~20%: 1000±200 RPM At Duty Cycle 50%: 3500±10% RPM At Duty Cycle 100%: 7000 RPM
Rated Input Power	At Duty Cycle 0~20%: 0.60 W At Duty Cycle 50%: 3.84 W At Duty Cycle 100%: 19.2 W
Rated Airflow	At Duty Cycle 0~20%: 6.5 CFM At Duty Cycle 50%: 11.2 CFM At Duty Cycle 100%: 22.28 CFM
Rated Static Pressure	At Duty Cycle 0~20%: 2.27 mm-H2O At Duty Cycle 50%: 18.56 mm-H2O At Duty Cycle 100%: 74.18 mm-H2O
Acoustical Noise	At Duty Cycle 0~20%: 21.5 dBA At Duty Cycle 50%: 43.0 dBA At Duty Cycle 100%: 59.14 dBA
Lead Wire Pin Out	Pin#1- Black(-) Pin#2- Yellow(+) Pin#3- Green(Tachometer/ Signal Output) Pin#4- Blue (PWM)

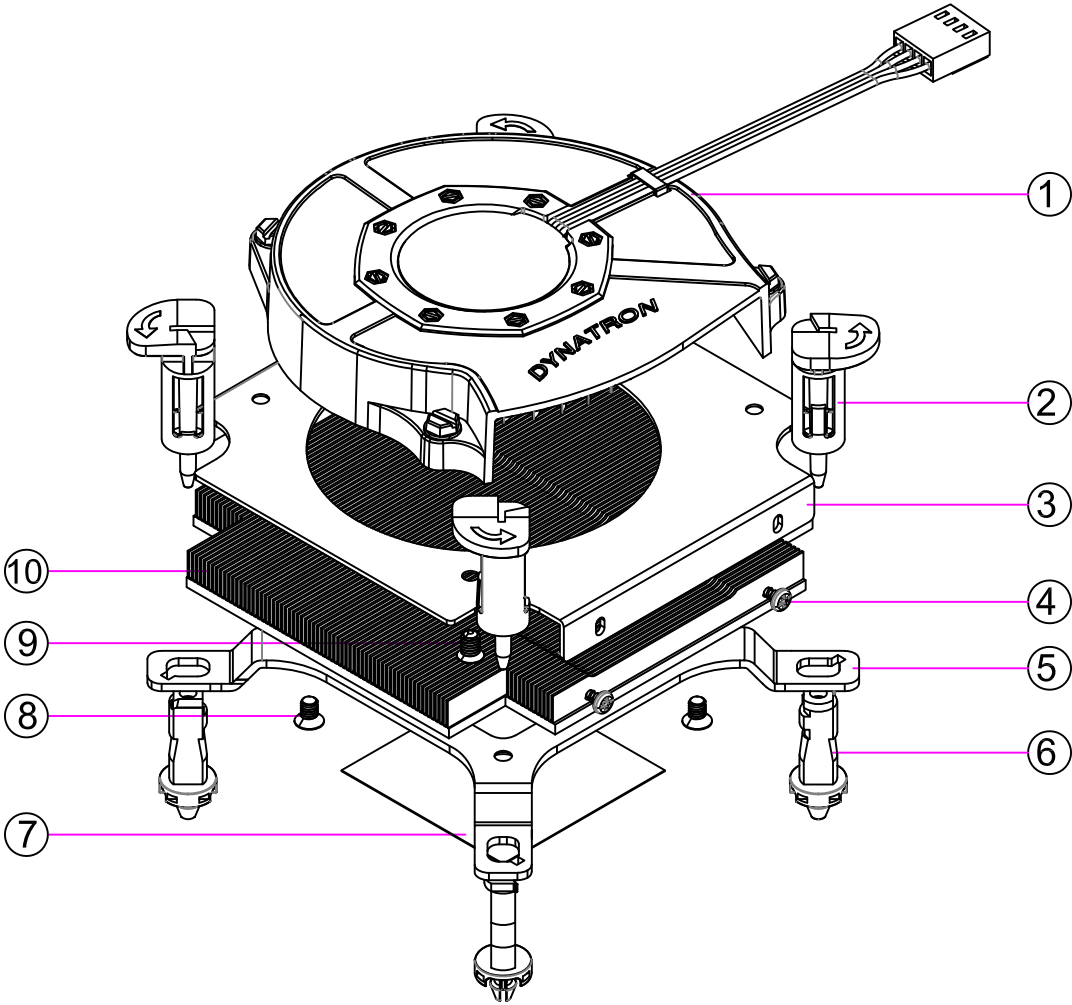
Q3 | Socket LGA 1700**Lead Wire Pin Out Diagram :****Performance Chart: Active Cooler Q8 Thermal Resistance**

----- TBD -----

CONFIDENTIAL DOCUMENT

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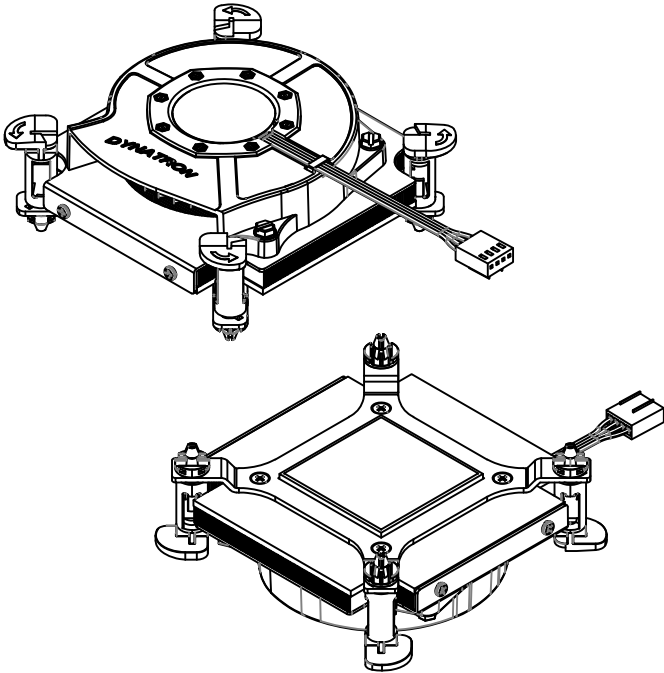
ASSEMBLY PARTS



NOTES:

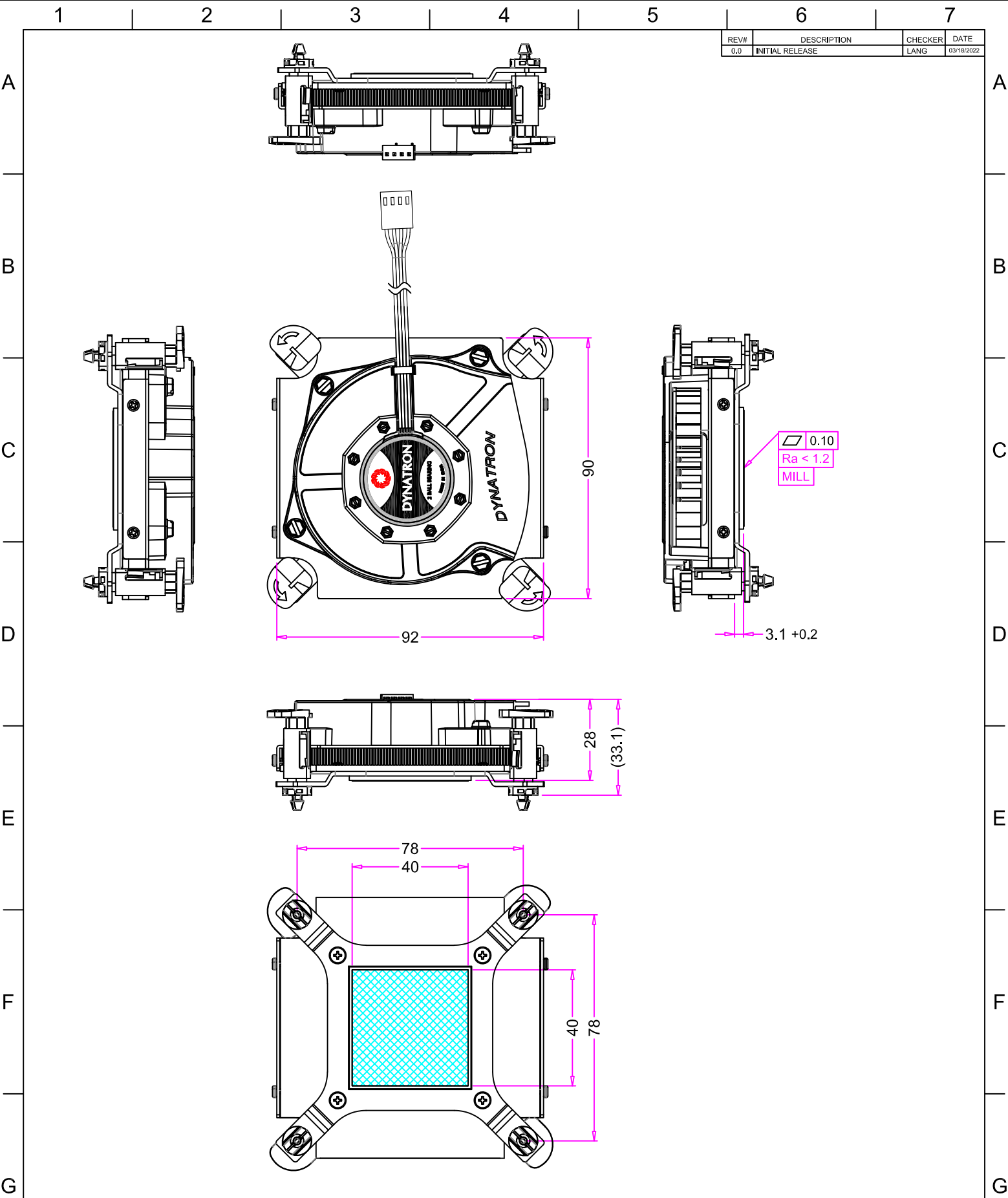
- 1. THE FIGURE IS FOR REFERENCE ONLY, AND NOT FOR SCALE
- 2. OVERALL DIMENSION : 92 x 90 x 28 mm
- 3. OVERALL WEIGHT ESTEMATED : 460 g

WHOLE SET OF HEATSINK



10	HEATSINK, SKIVING FIN	COPPER 1100	1
9	SCREW, BLOWER FRAME MOUNTING, M3*0.5	STEEL	4
8	SCREW, RETENTION MOUNTING, M3*0.5	STEEL	4
7	THERMAL GREASE, PRE-PRINT	SHIN-ETSU 7762	1
6	PUSH PIN, LOWER-SIDE (WHITE COLOR)	PLASTIC	4
5	PUSH PIN RETENTION, THK 1.6 mm	SPCC	1
4	SCREW, COVER MOUNTING, Ø2 mm	STEEL	4
3	BLOWER AIRFLOW COVER	ALUMINUM	1
2	PUSH PIN, UPPER-SIDE (BLACK COLOR)	PLASTIC	4
1	BLOWER, DB128015BU-PWM, 7000 RPM	ALUMINUM FRAME	1
ITEM#	DESCRIPTION	MATERIAL	QTY.

	DATE	NAME	 DYNATRON CORPORATION
DRAWN	03/18/2022	Engr	TITLE: 1U Active Cooler Model Q8 BOM & Exploded Assembly Drawing
CHECKED	03/18/2022	LANG	
ENG. APPR.			
MFG. APPR.			
G.A.			
COMMENTS:		DWG. No:	REV
		DYN-EP-Q8	0.0



			 DYNATRON CORPORATION TOP MOTOR			
			TITLE: 1U Active Cooler Model Q8 Overall Dimension Drawing			
DRAWN BY			VIEW			
CHECKED BY			UNITS			
ENG.APPROVED			DWG. No:			
MFG.APPROVED			REV. 0.0			
NAME			DYN-DM-Q8			
DATE						
ENGR						
LANG						
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