Heat Sink for NVIDIA® Jetson Thor™

ATS Part #: ATS-NVA-3752-C2-R0
Description: 92 x 100.8 x 28.6 mm high-performance active heat sink with blower
Component: NVIDIA Jetson Thor
Heat Sink Type: Active heat sink
Heat Sink Attachment: Screws

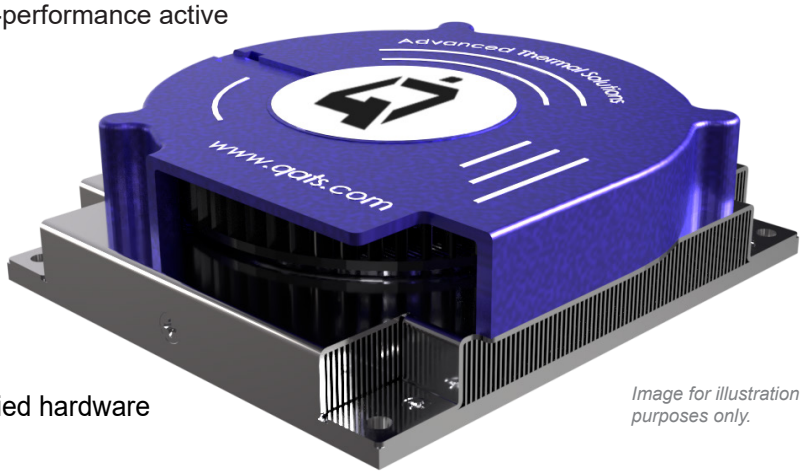


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Features & Benefits

» Designed to fit the NVIDIA® Jetson Thor™ module
» Cooling capacity: 175W (at 50°C ambient)
» Mounts directly onto the SOM using customer supplied hardware
» High-performance blower included
» Provided with pre-assembled Thermal Interface Material (TIM) on base

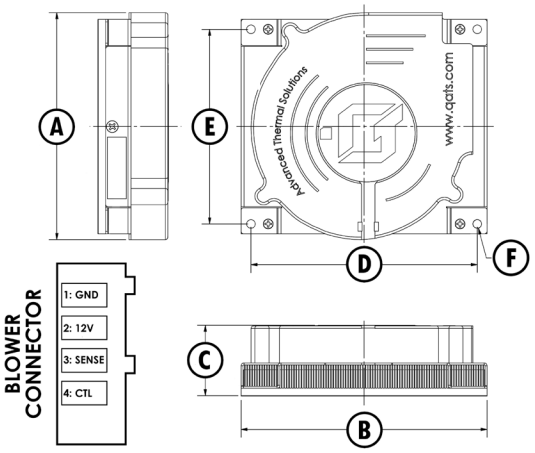
Heat Sink Part Number	L (mm)	W (mm)	H (mm)	Thermal Resistance (°C/W)	Heat Sink Weight (g)	Thermal Interface Material
ATS-NVA-3752-C2-R0	92	100.8	28.6	0.17	174	Chomerics T766

Blower Information

L (mm)	W (mm)	H (mm)	Voltage (VDC)	Input Power (watts)	Current (amps)	Rated Speed (RPM)	Air Flow (CFM)	Max Static Pressure (Pa)	Noise Level (dB)
92.1	90.1	15	12	15	1.25	5000	20.3 (0.57 m³/min)	415.9	58.1

Product Details

SCHEMATIC IMAGE	Dimension A	Dimension B	Dimension C	Dimension D	Dimension E	Dimension F	Material	Finish
	92 mm	100.8 mm	28.6 mm	92 mm	79 mm	3.5 mm	Aluminum 6063	Nickel Plated



All Images are for illustration purposes only.

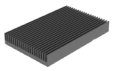
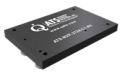
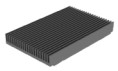
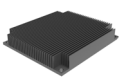
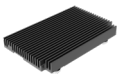
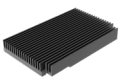
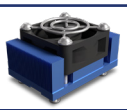
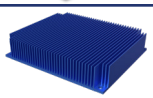
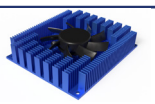
NOTES:
1) Dimensions A and B refer to heat sink size.
2) Dimension C is the heat sink height from the bottom of the base to the top of the fin field.
3) Dimensions D and E refer to the mounting hole pattern C-C (center to center).
4) Dimension F refers to the mounting hole diameter.
5) The fan connector can be mated to a system in the following ways: via a computer motherboard"s included 4-pin header, to a standard 4-pin fan header such as the Molex 0470531000 or a standard 3-pin fan header. If a 3-pin header is used, the speed control option cannot be accessed.
6) Lead wires: Pin 1-Black (-), Pin 2-Red (+12V), Pin 3-Yellow (Tach), Pin 4-Blue (PWM)
7) Thermal performance data is provided for reference only. Actual performance may vary by application.
8) ATS reserves the right to update or change its products without notice to improve the design or performance.
9) ATS certifies that this heat sink assembly is RoHS-6 and REACH compliant.
10) Contact ATS to learn about custom options available.

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ATS Thermal Solutions for NVIDIA® Jetson™

NVIDIA Preferred Partner

	NVIDIA Jetson Product	Part Number	Type	L (mm)	W (mm)	H (mm)	Weight (g)	Maximum Cooling Capacity
	Jetson Nano™	ATS-NVA-2780-C1-R0	Heat Sink	60	40	8	35.5	10W
		ATS-NVP-2780-C2-R0	Heat Sink	60	40	8	32.3	10W
		ATS-NVP-3724-C1-R0	Thermal Transfer Plate	60	40	5	31	N/A
	Jetson Xavier™ NX	ATS-NVA-2781-C1-R0	Heat Sink	60	40	8	36.8	20W
		ATS-NVP-2781-C2-R0	Heat Sink	60	40	8	34.2	20W
		ATS-NVP-3725-C1-R0	Thermal Transfer Plate	60	40	5	35	N/A
	Jetson AGX Xavier™	ATS-NVA-3275-C4-R0	Heat Sink	100	87	16	164.3	60W
	Jetson AGX Orin™	ATS-NVP-3275-C5-R0	Heat Sink	100	87	16	167.7	60W
	Jetson Orin™ Nano Jetson Orin™ NX	ATS-NVA-3281-C1-R1	Heat Sink	63	40	8	38.3	25W
		ATS-NVP-3281-C2-R1	Heat Sink	63	40	8	36.2	25W
		ATS-NVA-3681-C1-R1	Thermal Transfer Plate	63	40	5	32	N/A
	Jetson™ TX2 NX	ATS-NVA-3353-C1-R2	Heat Sink	63	40	8	37.4	10W
		ATS-NVP-3353-C2-R2	Heat Sink	63	40	8	34.3	10W
	Jetson Orin™ NX (Super Mode)	ATS-NVA2-3554-C3-R0	Heat Sink	57.5	40	23	56	40W
	Jetson Thor™	ATS-NVP-3739-C1-R0	Heat Sink	100.8	87	20	168	100W
		ATS-NVA-3740-C1-R0	Heat Sink	100.8	87	20	104	95W
		ATS-NVA-3752-C2-R0	Heat Sink	100.8	92	28.6	174	175W

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