pushPIN[™] Heat Sink Assembly

ATS Part#: ATS-H1-187-C1-R0

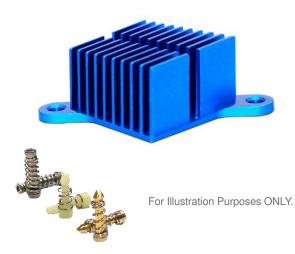
Description: pushPIN™ HS ASMBLY,COARSE-PITCH,STRAIGHT, HOLE PATTERN:RIGHT-TABBED,BLUE,NO TIM

Heat Sink Type: pushPIN™ Heat Sink Assembly

Heat Sink Attachment: pushPIN™ / Spring Kit

Features & Benefits

- » Quick Attachment Push pins feature a flexible barb at the end designed to engage with pre-drilled holes in a PCB.
- » Compression Springs add the necessary force to hold the assembly together for secure attachment. Select from over 21 different springs to achieve precise force required.
- » Push Pin Material available in brass or plastic in 10 sizes ranging from 9-20mm in length. Stainless steel hardware kit available for more secure attachment. Visit www.qats.com for available options.
- » Heat Sinks Designed for All Airflow Conditions. Select from over 112 fine pitch HS designed for high velocity air flows and 98 course pitch HS designed for low velocity air flow conditions.
- » Pre-assembled with phase-changing material for increased thermal performance. Double-sided thermal tape and no TIM options available to meet application-specific requirements.
- » Lightweight, aluminum HS extruded from AL6063 provide optimal heat transfer with a blue anodized finish.
- » All components are RoHS and REACH compliant.
- » Industry standard hole pattern. Recommended through hole size is 3mm



Bill of Material

Qty

Heat Sink:	ATS-CPX0	1	
pushPIN™/S	oring Kit:	ATS-HK76-R0	1

Thermal Performance														
Air Velocity	- LFM (m/s)	100 (0.5)	200 (1.0)	300 (1.5)	400 (2.0)	500 (2.5)	600 (3.0)	700 (3.5)		Fin Pitch	Fin Type	Hole Pattern		
Thermal	Unducted Flow	10.68	5.51	4.21	3.59	3.20	2.92	2.71		COARSE-	COARSE-	COARSE-	STRAIGHT	RIGHT-
Resistance °C/W Ducted	Ducted Flow	4.54	3.33	2.80	2.48	2.26	2.09	1.96		PITCH		TABBED		

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Product	Detail										
P/N		Dimensions				Duch Din/Coring Kit	ТІМ	Finish			
P/IN	А	В	С	E	F	Push Pin/Spring Kit	I IIVI	FINISN			
ATS-H1-187-C1-R0	45	45	10	50	50	ATS-HK76-R0	NO TIM	BLUE ANODIZED			
		÷			 2) Dimension 3) Dimension field. 4) Dimension 	A is the length of the heat sink in the di B is the width of the heat sink perpendi C is the heat sink height from the botto E is the distance between holes perper	cular to the flow dir m of the base to the ndicular to the direc	e top of the fin			
					6) Thermal period6) Thermal period7) ATS reserved	Dimension F is the distance between holes in the direction of flow. Thermal performance data are provided for reference only. Actual performance may yary by application. ATS reserves the right to update or change its products without notice to improve the lesign or performance.					

8) ATS certifies that this heat sink assemby is RoHS-6 and REACH compliant.

9) Contact ATS to learn about custom options available.

For Illustration Purposes ONLY.



For further technical information, please contact Advanced Thermal Solutions, Inc.

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