pushPIN[™] Heat Sink Assembly

ATS Part#: ATS-P1-44-C2-R0

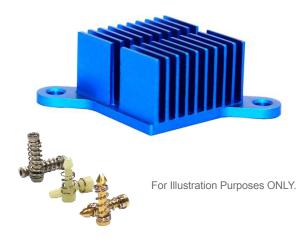
Description: pushPIN™ HS ASMBLY,FINE-PITCH,STRAIGHT, HOLE PATTERN:LEFT-TABBED,BLUE,T766

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

Heat Sink:	ATS-FPX025025015-44-C2-R0				
pushPIN™/Spring Kit:		ATS-HK127-R0	1		

Qty

Thermal Performance											
Air Veloci	ty - 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	20.35	8.01	5.23	4.17	3.61	3.25	2.99	FINE-PITCH	STRAIGHT	LEFT-
Resistance °C/W	Ducted Flow	ow 4.80 3.37 2.4	2.83	2.52	2.30	2.14	2.01				TABBED

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Dimensions					Duch Din/Opring Kit		Finish		
A	В	С	E	F	Push Pin/Sphing Kit		FILISH		
25	25	15	30	30	ATS-HK127-R0	T766	BLUE ANODIZED		
	-			 2) Dimension 3) Dimension field. 4) Dimension 	A is the length of the heat sink in the direction of the flow. B is the width of the heat sink perpendicular to the flow direction. C is the heat sink height from the bottom of the base to the top of the fin E is the distance between holes perpendicular to the direction of the flow.				
	vary by application. 7) ATS reserves the right to update or change its products without noti design or performance.						to improve the		
	A 25	A B 25 25	ABC252515	DimensionsABCE25251530	Dimensions A B C E F 25 25 15 30 30 Image: Constraint of the state of the sta	Dimensions Push Pin/Spring Kit A B C E F 25 25 15 30 30 ATS-HK127-R0 Image: Comparison of the state	Dimensions Push Pin/Spring Kit TIM 25 25 15 30 30 ATS-HK127-R0 T766 Optimized of the set		

For Illustration Purposes ONLY.

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

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