# pushPIN<sup>™</sup> Heat Sink Assembly

## ATS Part#: ATS-H1-87-C3-R0

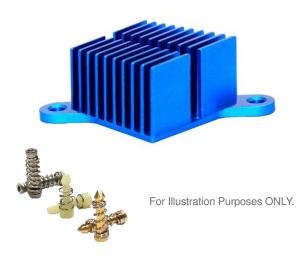
Description: pushPIN™ HS ASMBLY, FINE-PITCH, STRAIGHT, HOLE PATTERN: RIGHT-TABBED, BLUE, T412

#### 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-FPX0	35035020-87-C3-R0	1
pushPIN™/Spring Kit:		ATS-HK76-R0	1

Qty

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	13.30	4.74	2.85	2.16	1.81	1.61	1.48	FINE-PITCH	H STRAIGHT	RIGHT-
Resistance °C/W Ducted Flow	2.48	1.68	1.41	1.26	1.16	1.09	1.04			TABBED	

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Product De	etall							
P/N	Dimensions					Duch Din/Coring Kit	ТІМ	Fisiob
	А	В	C	E	F	Push Pin/Spring Kit	I IIVI	Finish
ATS-H1-87-C3-R0	35	35	20	40	40	ATS-HK76-R0	T412	BLUE ANODIZED
	>				<ol> <li>2) Dimension</li> <li>3) Dimension field.</li> <li>4) Dimension</li> <li>5) Dimension</li> <li>6) Thermal pervention</li> <li>6) Thermal pervention</li> <li>7) ATS reserved</li> </ol>	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 botton E is the distance between holes perper F is the distance between holes in the c erformance data are provided for referen	cular to the flow dire m of the base to the indicular to the direct direction of flow. ince only. Actual per	top of the fin ion of the flow. formance may

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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