pushPIN[™] Heat Sink

ATS Part#: ATS-CPX045045035-192-C2-R0

Description: push PIN™ HS,COARSE-PITCH,STRAIGHT,HOLE PATTERN:RIGHT-TABBED,BLUE ANODIZED,T766

Heat Sink Type: pushPIN™ Heat Sink

Heat Sink Attachment: pushPIN™ - SOLD SEPARATELY

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.

ADVANCED THERMAL SOLUTIONS, INC.

Innovations in Thermal Management®

» Industry standard hole pattern. Recommended through hole size is 3.175mm



For Illustration Purposes ONLY.

Qty

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Bill of Material

Heat Sink: ATS-CPX045045035-192-C2-R0

Note:

This item represents the heat sink ONLY. To order the complete pushPIN[™] Assembly, visit www.qats.com

| Thermal Performance | | | | | | | | | | | | |
|----------------------------|--------------------------|------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------|-----------------|
| AIR VELO | 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 Resistance °C/W | Unducted Flow | 2.40 | 1.40 | 1.10 | 1.00 | 0.90 | 0.80 | 0.80 | COARSE | STRAIGHT | RIGHT- | |
| | Ducted Flow | 1.50 | 1.10 | 1.00 | 0.90 | 0.80 | 0.70 | 0.70 | PITCH | | TABBED | |

| A B C E F C C E F ATS-CPX045045035-192-C2-R0 45.00 45.00 35.00 50.00 N/A N/A T766 BLUE AN Image: Comparison of the state in the direction of the state in the direction of the state in the direction of the flow. Image: Comparison of the state in the direction of the state in the state in the directin the directin the direction of the state i | | Dimensions | | | | | Durali D'a | 0 | | Et a la la | | |
|--|----------------------------|------------|---|-------|---|--|------------|--------------------|------------------|-----------------|--|--|
| NOTES: 1) Dimension A is the length of the heat sink in the direction of the flow. 2) Dimension B is the width of the heat sink perpendicular to the flow direction 3) Dimension C is the heat sink height from the bottom of the base to the top field. 4) Dimension F is the distance between holes perpendicular to the direction of 5) Dimension F is the distance between holes in the direction of flow. 6) Thermal performance data are provided for reference only. Actual performance wary by application. 7) ATS reserves the right to update or change its products without notice to in design or performance. 8) ATS certifies that this heat sink assembly is RoHS-6 and REACH compliant | P/N | А | B C | | EF | | Push Pin | Spring | TIM | Finish | | |
| 1) Dimension A is the length of the heat sink in the direction of the flow. 2) Dimension B is the width of the heat sink perpendicular to the flow direction of Dimension C is the heat sink height from the bottom of the base to the top of field. 4) Dimension E is the distance between holes perpendicular to the direction of Dimension F is the distance between holes in the direction of flow. 6) Thermal performance data are provided for reference only. Actual performation or yary by application. 7) ATS reserves the right to update or change its products without notice to in design or performance. 8) ATS certifies that this heat sink assembly is RoHS-6 and REACH compliant | ATS-CPX045045035-192-C2-R0 | 45.00 | 45.00 | 35.00 | 50.00 | 50.00 | N/A | N/A | T766 | BLUE ANODIZE | | |
| 4) Dimension E is the distance between holes perpendicular to the direction of 5) Dimension F is the distance between holes in the direction of 60. 6) Thermal performance data are provided for reference only. Actual performation vary by application. 7) ATS reserves the right to update or change its products without notice to in design or performance. 8) ATS certifies that this heat sink assembly is RoHS-6 and REACH compliant. | | | Dimension A is the length of the heat sink in the direction of the flow. Dimension B is the width of the heat sink perpendicular to the flow direction. Dimension C is the heat sink height from the bottom of the base to the top of the | | | | | | | | | |
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| design or performance. 8) ATS certifies that this heat sink assembly is RoHS-6 and REACH compliant | | | | | | | | provided for refer | ence only. Actua | l performance m | | |
| 6) ATS certiles that this heat sink assembly is KOHS-6 and KEACH compliant | | | | | | ATS reserves the right to update or change its products without notice to improve design 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. | | | 9) Contact ATS to learn about custom options available. | | | | | | | | | |

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

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