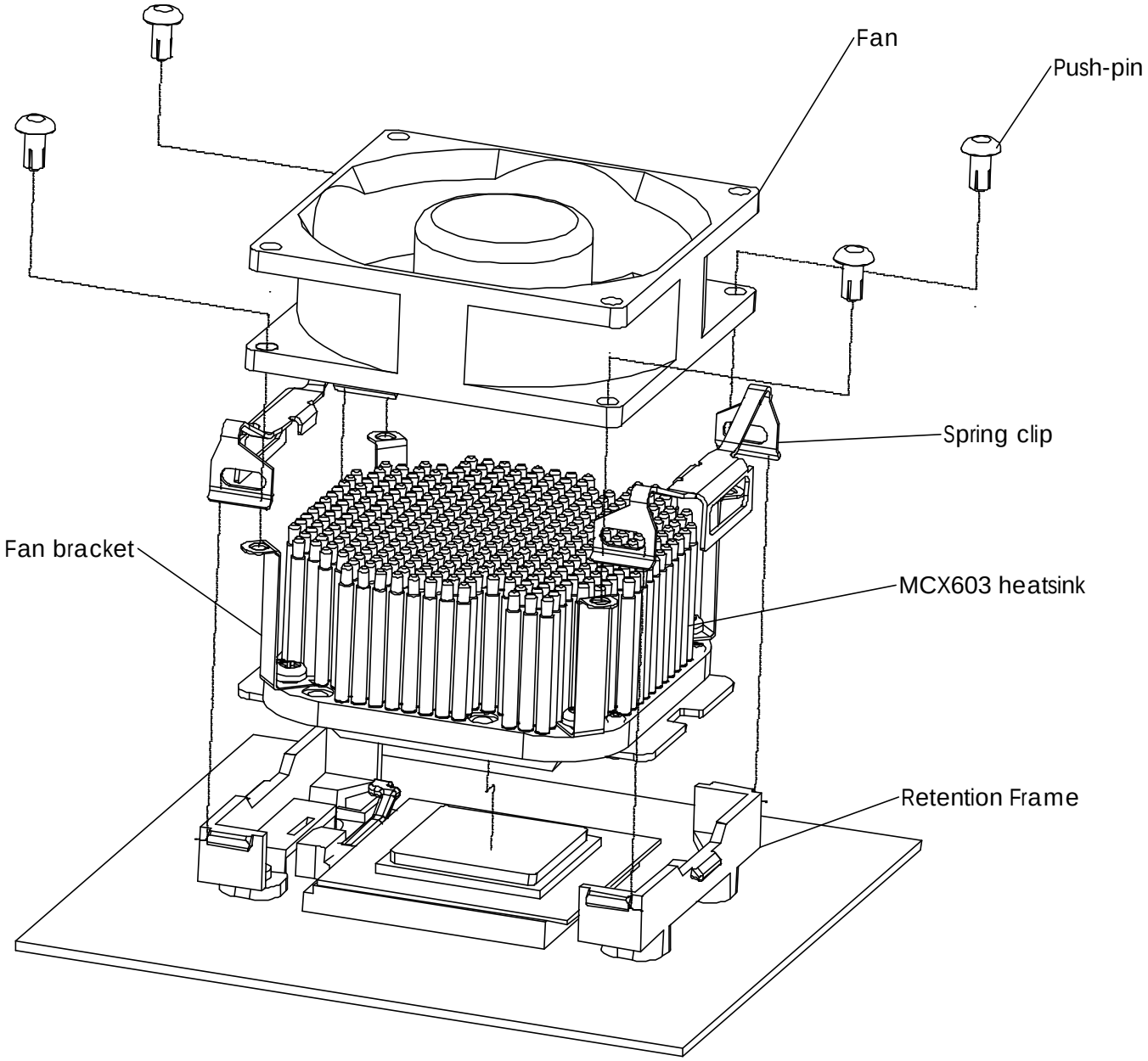
MCX603™ (rev 2) Heatsink

Installation Guide For Intel® Xeon™ processors

Packing list

Parts	Qty	Parts	Qty
Heat Sink	1	Push-pin rivets (standard)	4
80mm fan brackets	4	6-32 x 1" Philips screws (80x25mm fans)	4
Thermal grease – Arctic Alumina	1	6-32 x 1.75" Philips screws (80x 38mm fans)	4
		#6 nylon nuts	4



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1. Processor Preparation

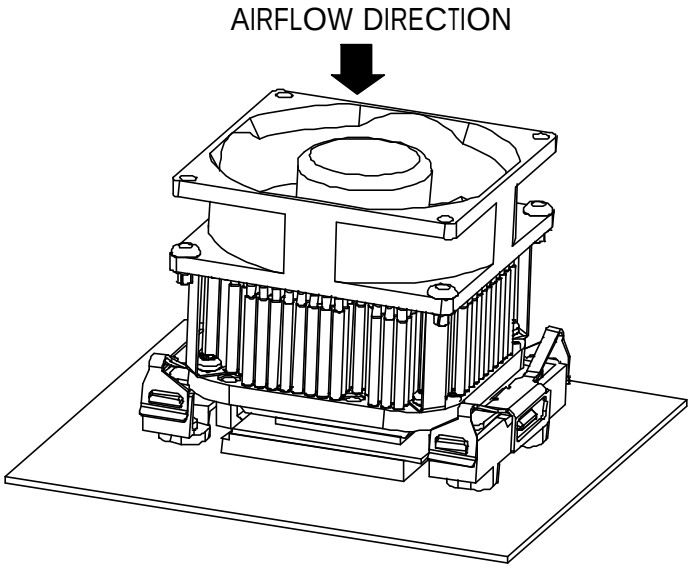
Lightly coat the processor core with the provided Arctic Alumina® thermal compound. **Only a paper thin coat is necessary**. It should be applied using preferably a razor blade, or a credit card, held between thumb and index at a 45° angle. It is critical to ascertain that the entire core is covered with a uniform coat of thermal compound. Thermal performance will dramatically decrease if any portion of the core is not covered by thermal compound.

2. Heatsink installation

The MCX603 uses Intel's validated retention clips, which are **provided with your motherboard.** It does not necessitate removal of the motherboard. Please consult your motherboard installation guide for installation of the retention frame and clips.

Simply place the heatsink onto the CPU, and push down on the spring clips to secure the assembly.

TIP: press down on the opposite side of the heatsink while installing the first clip, to prevent the assembly from tilting.



MCX603™ Installed

3. Alternate retention
Swiftech's optional proprietary retention mechanism (spring loaded screws & standoffs) is also available online. Information is available on our site here.

4. Fan compatibility and installation (fan is not provided).

Use the provided push-pin rivets to secure the fan to the bracket thru the lower lip of the fan as shown in the schematic page 1. Fans that do not feature a lip cannot be installed with the provided push-pin rivets and require a screw and nut to be secured to the brackets. Two sets of screws are provided: 6-32 x 1" for use with 25mm fans, and 6-32 x 1.75" for use with 33 to 38mm fans.

5. Recommended fans
Suggested fan airflow rating for normal use (non-overclocked processor), and operating conditions: 30 to 45CFM.

Suggested fan airflow rating for extreme operating conditions, such as overclocked processors or unusually high ambient temperatures: 45CFM and above

III. Final inspection

Now that the heat sink is installed, startup your computer, go into the BIOS and observe the CPU temperature. Under normal ambient temperature conditions, the processor temperature should never exceed 65° C. If it does, shut down the computer immediately, and review your entire installation. Troubleshooting help is available on our web site at www.swiftnets.com, or by calling customer support at 562-595-8009.

DISCLAIMER: Swiftech assumes no liability whatsoever, expressed or implied, for the use of these products.

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