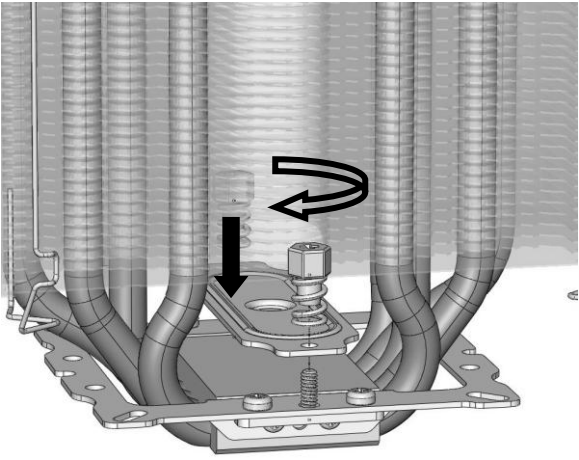
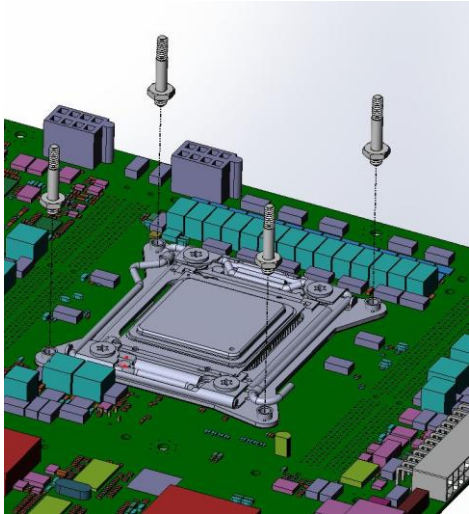
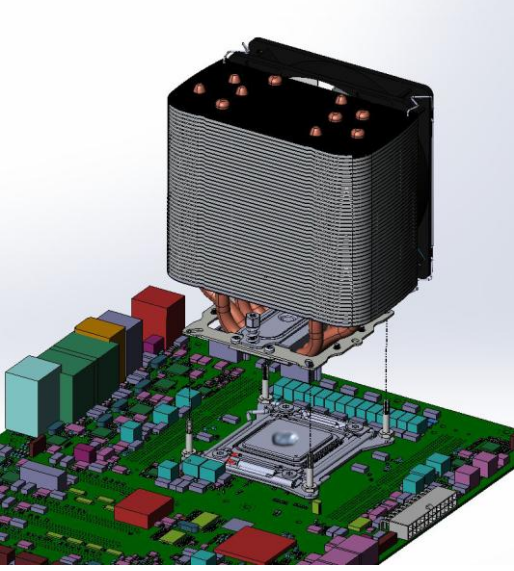
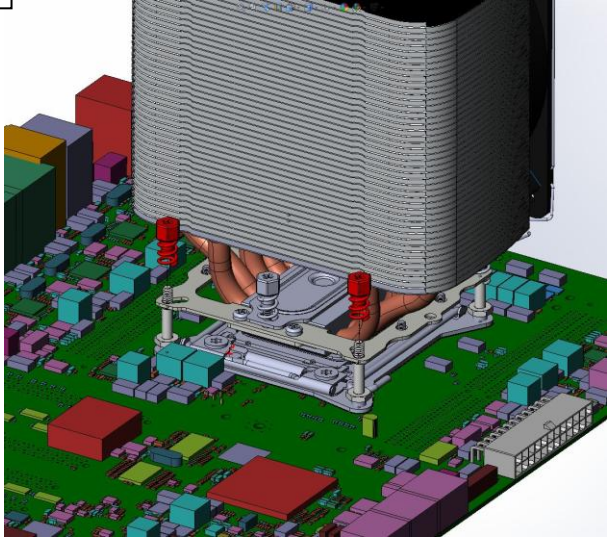


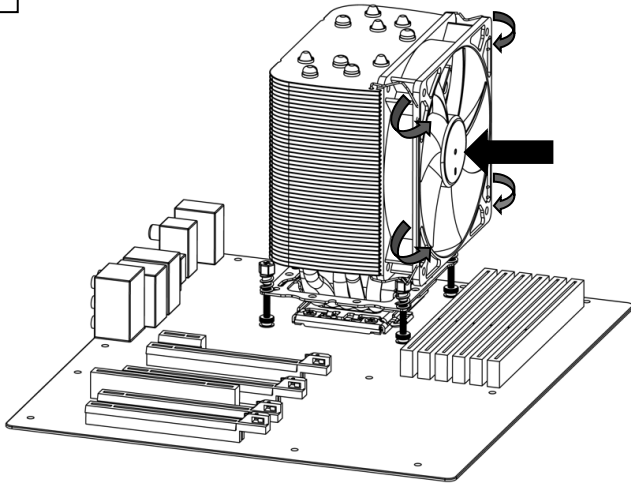
# Polaris™ 120

## Socket 2011 installation

<p>1 <b>Preparing the heatsink</b></p>  <p>Fasten the cross-bar to the heatsink with its center nipple facing down by using two of the provided spring loaded screws.</p>	<p>2 <b>Preparing the Motherboard</b></p>  <p>Install and fasten the 4 posts to the socket</p>
<p>3 <b>Installing the heatsink</b></p>  <ul style="list-style-type: none"><li>• Clean the CPU with a degreaser (preferably formulated for electronics) then apply a small amount of the supplied grease to the center of the CPU.</li><li>• Orient the heatsink so that the hot air generated by the fan will blow in the direction of a chassis exhaust fan</li><li>• Mate the heatsink to the CPU.</li></ul>	<p>4 <b>Fastening the heatsink to the CPU</b></p>  <p>Progressively and alternatively (in a cross pattern) fasten four of the provided spring loaded screws until they bottom out.</p>

5

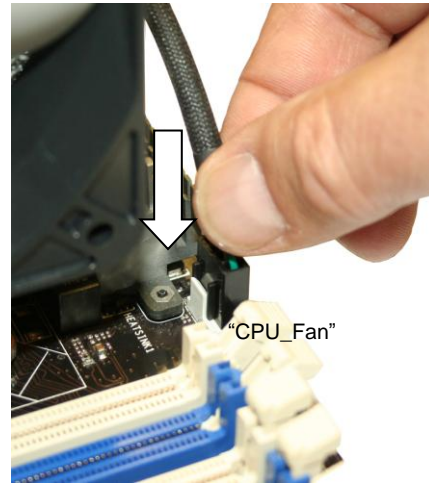
**Installing the Fan to the heatsink**



Attach the fan to the heatsink using the provided clips, making sure that the fan blows towards the heatsink: the fan label should be facing against the heatsink fins, and will no longer be visible once the fan is installed.

6

**Connecting the fan to the Motherboard**



In order for the fan speed to be controlled by the motherboard PWM controller and to reach its full speed adjustment range which is 750 to 2500 RPM +/- 250 RPM, the fan's **4-pin connector must be plugged into the CPU fan 4-pin header of the motherboard**. The header is typically marked "CPU\_Fan", and is always located at close proximity of the CPU socket.

If the fan's 4-pin connector is plugged into a motherboard 3-pin header, the fan will operate at full speed and lose its variable speed functionality. The fan can also be connected to a fan controller; however its speed adjustment range will be limited from 7 to 12v, i.e. 1500 RPM to 2500 RPM +/- 250 RPM. The fan cannot start below 7 volts.



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