

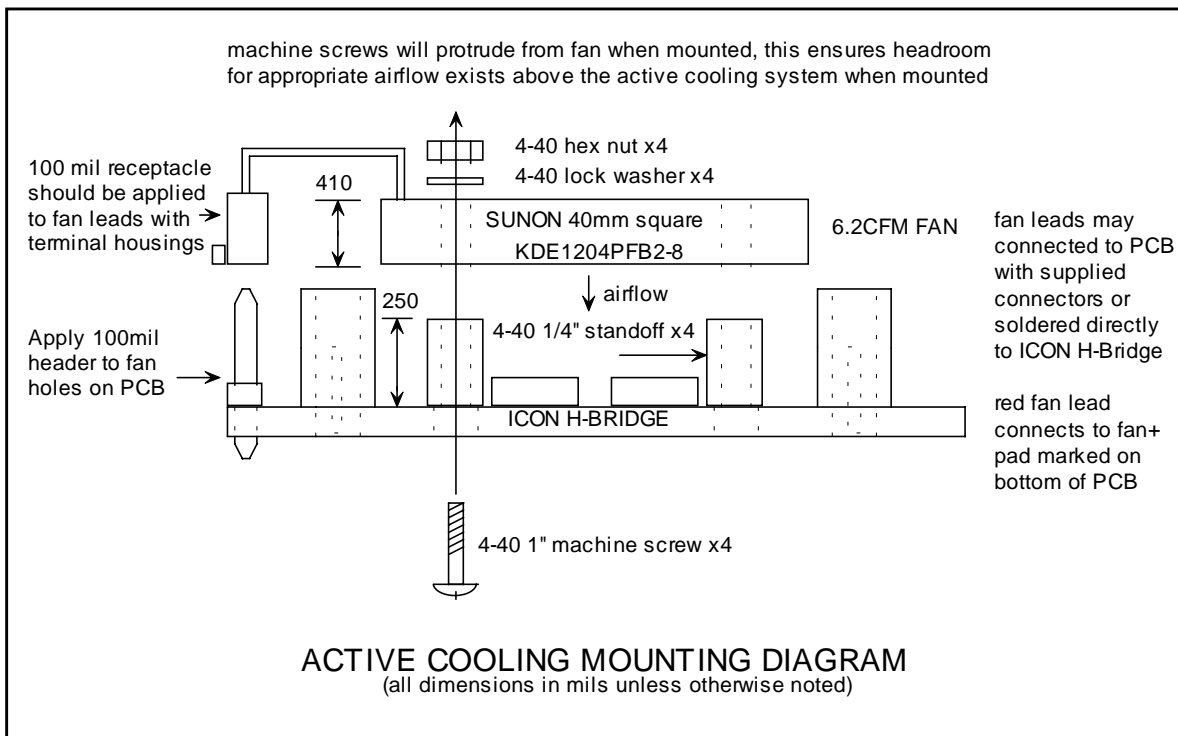
**Overview:**

The 12V Active Cooling Solution allows for higher current handling when used in conjunction with the ICON H-Bridge. There are two items of note that should be discussed.

First, the assembly comes with a connector to connect the fan to the ICON H-Bridge. For the ultimate in secure connections the fans leads may be soldered directly to the ICON H-Bridge PCB. The bottom of the ICON H-Bridge PCB has one of the two solder points labeled "FAN+". The red power lead from the fan should be connected to "FAN+".

Secondly, the lock washers supplied with the fan kit can penetrate the solder mask layer of the ICON H-Bridge PCB. Therefore the lock washers should not be placed anywhere but the location shown in the assembly diagram (between the 4-40 hex nut and the fan).

**Figure 1: ICON Active Cooling Assembly Diagram**



**Overview:**

The 12V Active Cooling Solution allows for higher current handling when used in conjunction with the Motor Mind C. There are two items of note that should be discussed.

First, the assembly comes with a connector to connect the fan to your PCB or the Motor Mind C BS2 carrier board. For the ultimate in secure connections the fans leads may be soldered directly to the PCB. The Motor Mind C BS2 carrier board PCB has two solder points for the fan leads, or fan connector, one is labeled "FAN+". The red power lead from the fan should be connected to "FAN+".

Secondly, the lock washers supplied with the fan kit can penetrate the solder mask layer of a PCB. Therefore the lock washers should not be placed anywhere but the location shown in the assembly diagram (between the 4-40 machine screw and the fan).

**Figure 1: MMC 12V Active Cooling Assembly Diagram**

