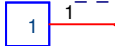
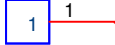


## MH1-MH4: Corner mounting screwholes

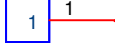
MH1  
Number\_6\_MNT



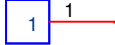
MH2  
Number\_6\_MNT



MH3  
Number\_6\_MNT



MH4  
Number\_6\_MNT



## Silkscreen:

The amperage limits for the fuses.

Box around J6 - J8.

Box around J9 - J11.

Box around J12 - J14.

## Layout Notes

Vicor modules will interface InMate mounting system

Vicor modules heatsink will mount against chassis baseplate

Vicor modules will mount "inboard" style

C1, C2, C8, and C9 are tied from chassis ground to their respective signals.

C12, C14, C21, and C22 are tied from chassis ground to their respective signals.

C23, C24, C30, and C31 are tied from chassis ground to their respective signals.

The Vicor modules' baseplates will connect directly to the aluminum frame.

Minimize distance between R12 and U3.

Minimize distance between R14 and U4.

Minimize distance between R17 and U5.

Minimize distance between R20 and U6.

Minimize distance between R24 and U7.

Minimize distance between R27 and U8.

Minimize distance between R30 and U9.

Place J1 and J2 on left side of board.

Place J5 - J17 on right side of board.

Place J3 and J4 on north or south side of board.

Maintain an ~0.5" distance between parallel output fuseholders.

Minimize distance between C10, C11 and U1.

Place all bypass caps (0.1uF) close to associated ICs.

The tab on U1 (MC7805) is tied to pin 2 (ground).

Place SW1 and SW2 so that they are easily accessible (near board edge)

Space TP1 and TP2 apart from one another.

**MONTEREY BAY AQUARIUM RESEARCH INSTITUTE**  
**7700 SANDHOLDT ROAD**  
**MOSS LANDING, CA 95039**  
**(831) 775-1700 [www.mbari.org](http://www.mbari.org)**  
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|                                                       |                                          |  |                                   |  |                                  |  |              |
|-------------------------------------------------------|------------------------------------------|--|-----------------------------------|--|----------------------------------|--|--------------|
| Title <b>Vicor DC-DC Converter Board [Mechanical]</b> |                                          |  |                                   |  | Number <b>&lt;Doc&gt;</b>        |  |              |
| Size <b>A</b>                                         | Engineer <b>Chad Keyc</b>                |  | Layout <b>&lt;Layout Eng.&gt;</b> |  | Filename <b>&lt;Filename&gt;</b> |  | Rev <b>A</b> |
|                                                       | Date: <b>Wednesday, January 07, 2009</b> |  | Sheet <b>3</b> of <b>3</b>        |  |                                  |  |              |