NOTES:

1) For PCB layout see VICOR Application Drawing 47520.

2) ROHS compliant per CST-0001 latest revision.

3) VICOR thermal interface material 40325 (Parker Chomerics Gel8010) is recommended. Apply a uniform .003" (.076mm) layer of TIM to the bottom surface of the chip, or to the mating (internal) heat spreader surface. Place heat spreader and chip on PCB. Install two (3623) or four (4623, 6123) M2.5 screws (PN 40578) as shown. Torque screws to 6 in-lbs. Mask over holes for coldplate screws prior to wave soldering chip pins.

4) Apply a uniform .003" (.076mm) layer of TIM to the top surface of both heat spreader side walls. Additional TIM will be required to completely fill the gap between chip and coldplate. Follow coldplate vendor’s installation instructions, or attach coldplate with two (3623) or four (4623, 6123) screws through the PCB and heat spreader. M3 x 16MM screws shown for illustration only (McMaster PN 92000A126).

5) To ensure adequate pin length through the PCB, Max PCB thickness is .100" (2.54mm).