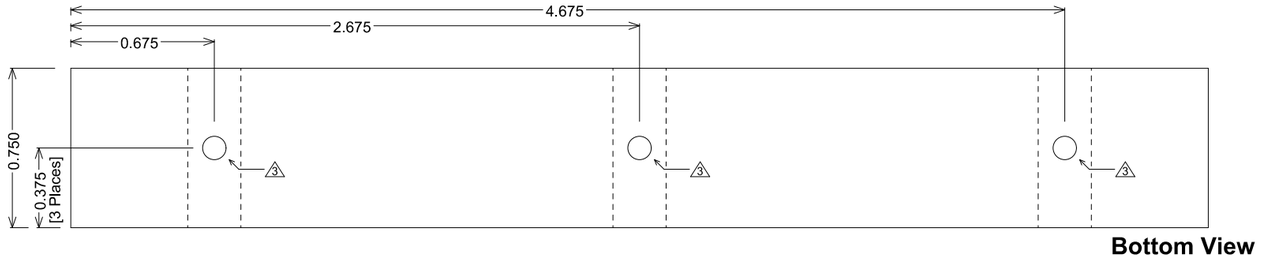
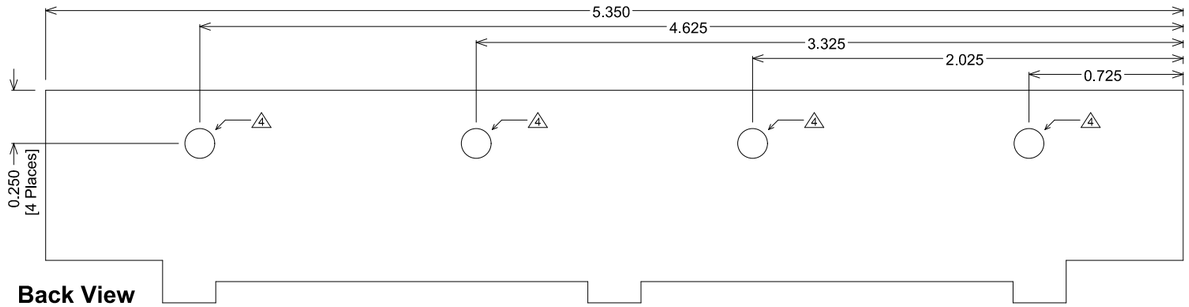
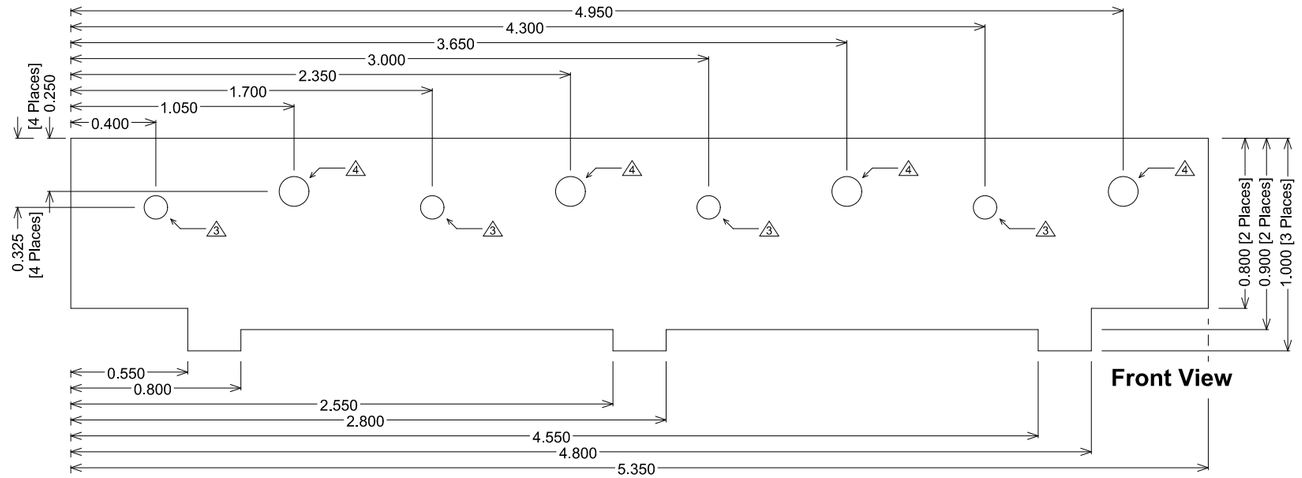
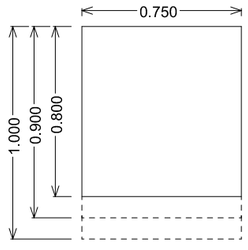
MANUFACTURING CHANGES:
Build #2 (2013): M3 and M4 holes changed to 4-40 and 6-32, respectively, to match BOM
Build #3 (2014): No changes during initial manufacture

REWORK:
Build #3 (2014): M4 screws damaged OPA549 op amps; heat sink reworked to accept 6-32

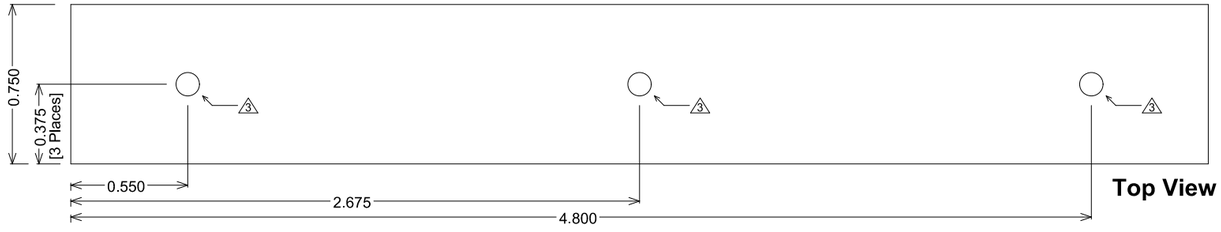








(Both edge views are identical)



Notes:

1: All dimensions are in inches.
2: All tollerances are ±0.005
3 Holes tappd for M3 machine screw with a minimum useable thread depth of 0.315 or 8mm (10 places)
4 Holes tappd for M4 machine screw with a minimum useable thread depth of 0.315 or 8mm (8 places)
5: Holes must NOT breakout on the oposite surface of the material (18 places).
6: Hole depth is at the fabricator's discretion, subject to the restriction of Note #5.
7: Internal breakout between holes on the top surface and those on the front & back surfaces is acceptable.
8: The hole locations are horizontally symetrical in the Back View.
7: The part is horizontally and vertically symetrical in the Top and Bottom views.
8: Material: Aluminum T6061-T6xx
9: Finish: No paint or coating.
10: Delivered articles must be free of burrs and sharp edges.

Title: **Quad Linear Amplifier Heatsink**	**Johns Hopkins University** Laboratory for Computational Sensing and Robotics
Date: 8/27/2012 *Rev:* 3	
File: HeatSink Rev3.PcbDoc	Sheet 1 of 1