NOTES
1. Place grounded guard trace around node [U3-6, R11-3], guarding against U3-7 node and U3-1 node.

2. Zero offset of height measurement is 19.5mm *k, where k = common-mode voltage / differential voltage.

3. Resistor values shown give k in the range -0.025 to +0.025, with a differential drive level of 0.5 of max. This gives a zero offset span of +/- 0.5 mm.

4. Reducing the differential drive level to 0.05 of max gives a zero offset span of +/- 5mm, with a proportional reduction in S/N.