



CASE: Hammond 1598D  
SHIMS: See notes below.

**Notes:**

- 1) Configure display for RS232 by removing jumpers R1 and R2 on display, if necessary.
- 2) FPGA configuration is Active Serial with ISP, Standard POR, no JTAG.
- 3) On the AD9110 Eval Board:
  - Add PLL filter: R37= 121, C13 = 47nF, C15 = 10nF.
  - Jumpers W1,2,4 = disable, W3,5,6 = remove, W7 = Ref\_Clk.
- 4) Add shims under Rabbit as shown on layout, 7.5mm x 1cm sq.
- 5) Fasten Rabbit to board with 3x15mm nut and bolt.

General Purpose DDS :File

| Ltr | Date      | By        | Description                              |
|-----|-----------|-----------|--|
| B1  | April '12 | A.Stummer | More production, changes only to layout. |
| A1  | April '11 | A.Stummer | As first designed.                       |

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| University of Toronto<br>Quantum Optics Group | <b>General Purpose DDS</b> |
| Drawn: A. Stummer April 2011                  | J. Thywissen Labs          |
| Edited: 26/04/2012 16:03:28                   | Sheet: 1/2                 |
|   | REV: <b>B1</b>             |

