

Rev:A
Move from
7 to 5.

SDIO_1-2 disconnected,
SDIO_3 BNC removed
and jumper to SDIO_1

For quad DDS only, see Notes.

Let float on next spin.

Add jumper

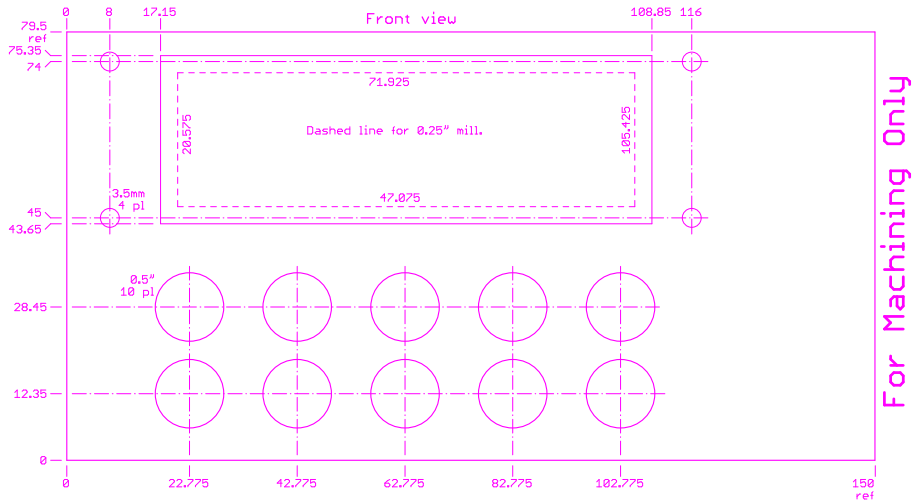
For testing touch
sensor only.

- switch top and bottom BNCs for profile pins.
 - put ch-a and p0 on left.
 - move ISP connector pin 7 to 5.
 - remove SDIO_2-3 BNC, tie pins low.
 - on DDS, let Sync_In pin float
 - nail DDS Mode low, remove resistor
 - remove quad NOR, plumb right through to Rabbit
- Next Spin:**

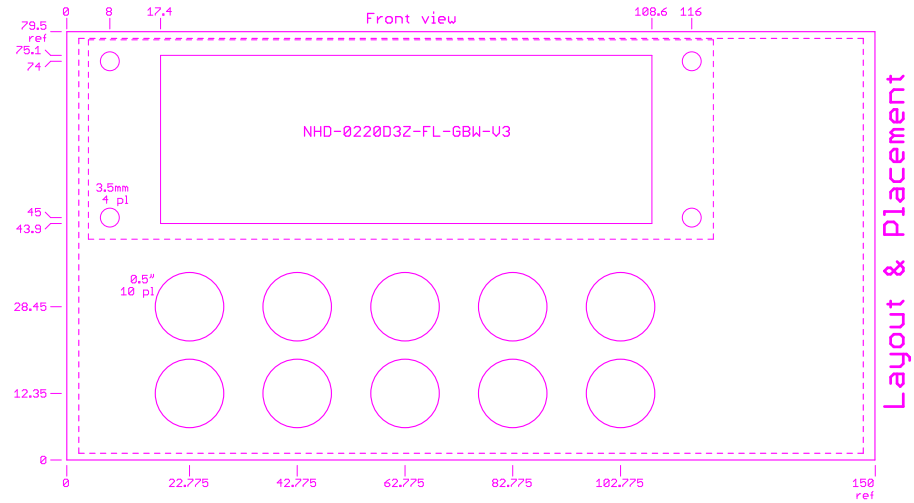
NOTES:

- 1) QUAD DDS: Use AD9959, stuff as shown.
DUAL DDS: Use AD9958, do not stuff Ch2-3, use 0 Ohm quad pullup to AVdd.
- 2) Calculated supply draw:
+1.8V: 205mA@up 230max (DDS)
+3.3V: 120mA (DDS, Osc, Rabbit)
+5V: 220mA@up (display)

Ltr	Date	By	REVISION DESCRIPTION
University of Toronto, Quantum Optics Group			
Design: A. Stummer			DDS Comb A. Steinberg Labs
Date: 2014 Aug			
Edited: 08/01/2015 15:57:12			Sheet: 1 of 2 REV: A1
File: DDS Comb			



For Machining Only



Layout & Placement

