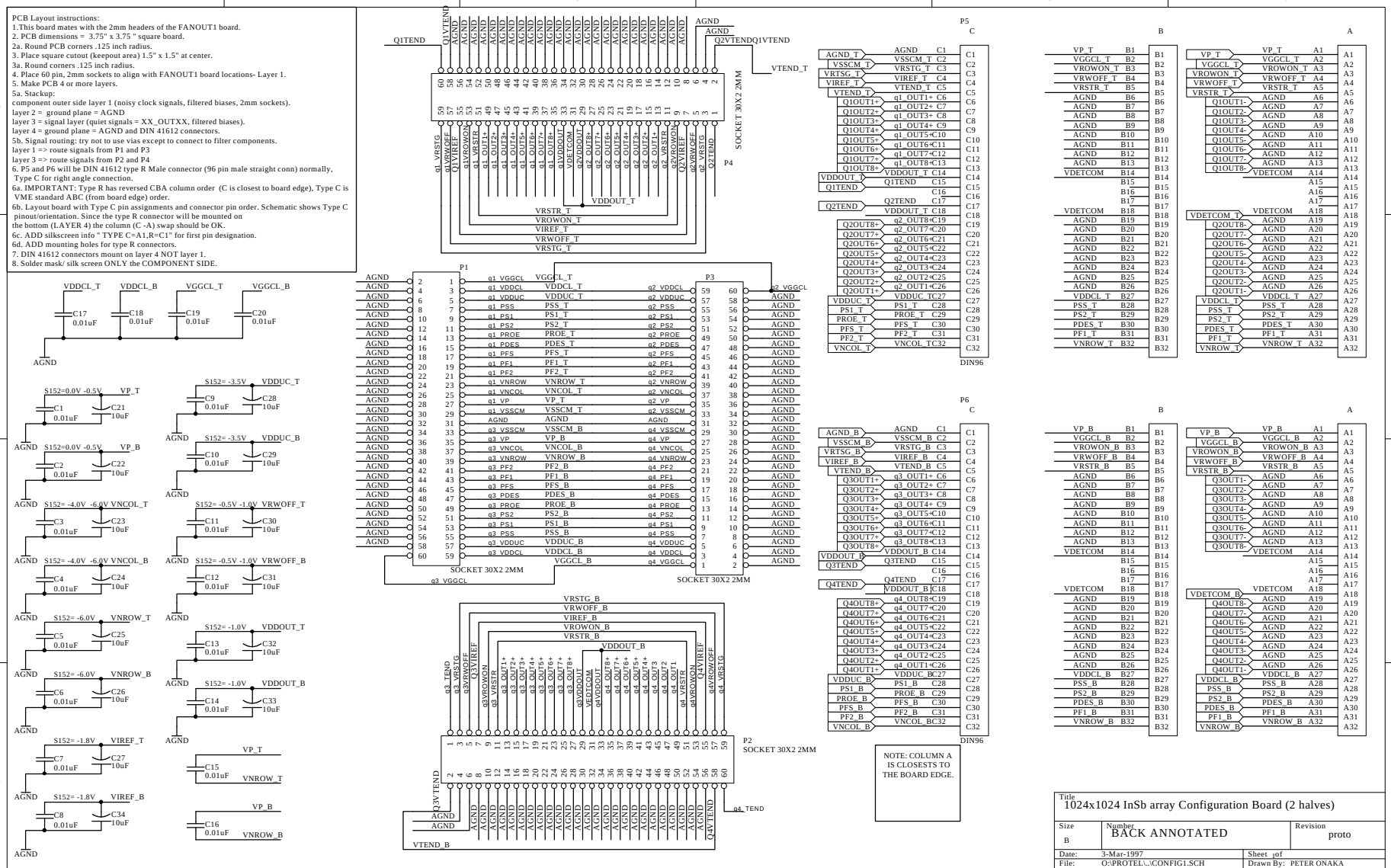
PCB Layout instructions:
1.This board mates with the 2mm headers of the FANOUT1 board.
2. PCB dimensions = 3.75" x 3.75 " square board.
2a. Round PCB corners .125 inch radius.
3. Place square cutout (keepout area) 1.5" x 1.5" at center.
3a. Round corners .125 inch radius.
4. Place 60 pin, 2mm sockets to align with FANOUT1 board locations- Layer 1.
5. Make PCB 4 or more layers.
5a. Stackup:
component outer side layer 1 (noisy clock signals, filtered biases, 2mm sockets).
layer 2 = ground plane = AGND
layer 3 = signal layer (quiet signals = XX_OUTXX, filtered biases).
layer 4 = ground plane = AGND and DIN 41612 connectors.
5b. Signal routing: try not to use vias except to connect to filter components.
layer 1 => route signals from P1 and P3
layer 3 => route signals from P2 and P4
6. P5 and P6 will be DIN 41612 type R Male connector (96 pin male straight conn) normally, Type C for right angle connection.
6a. IMPORTANT: Type R has reversed CBA column order (C is closest to board edge), Type C is VME standard ABC (from board edge) order.
6b. Layout board with Type C pin assignments and connector pin order. Schematic shows Type C pinout/orientation. Since the type R connector will be mounted on the bottom (LAYER 4) the column (C -A) swap should be OK.
6c. ADD silkscreen info " TYPE C=A1,R=C1" for first pin designation.
6d. ADD mounting holes for type R connectors.
7. DIN 41612 connectors mount on layer 4 NOT layer 1.
8. Solder mask/ silk screen ONLY the COMPONENT SIDE.



Title	1024x1024 InSb array Configuration Board (2 halves)	
Size: B	Number: BACK ANNOTATED	Revision: proto
Date: 3-Mar-1997		Sheet _of
File: O:\PROTEL\..\CONFIG1.SCH		Drawn By: PETER ONAKA