

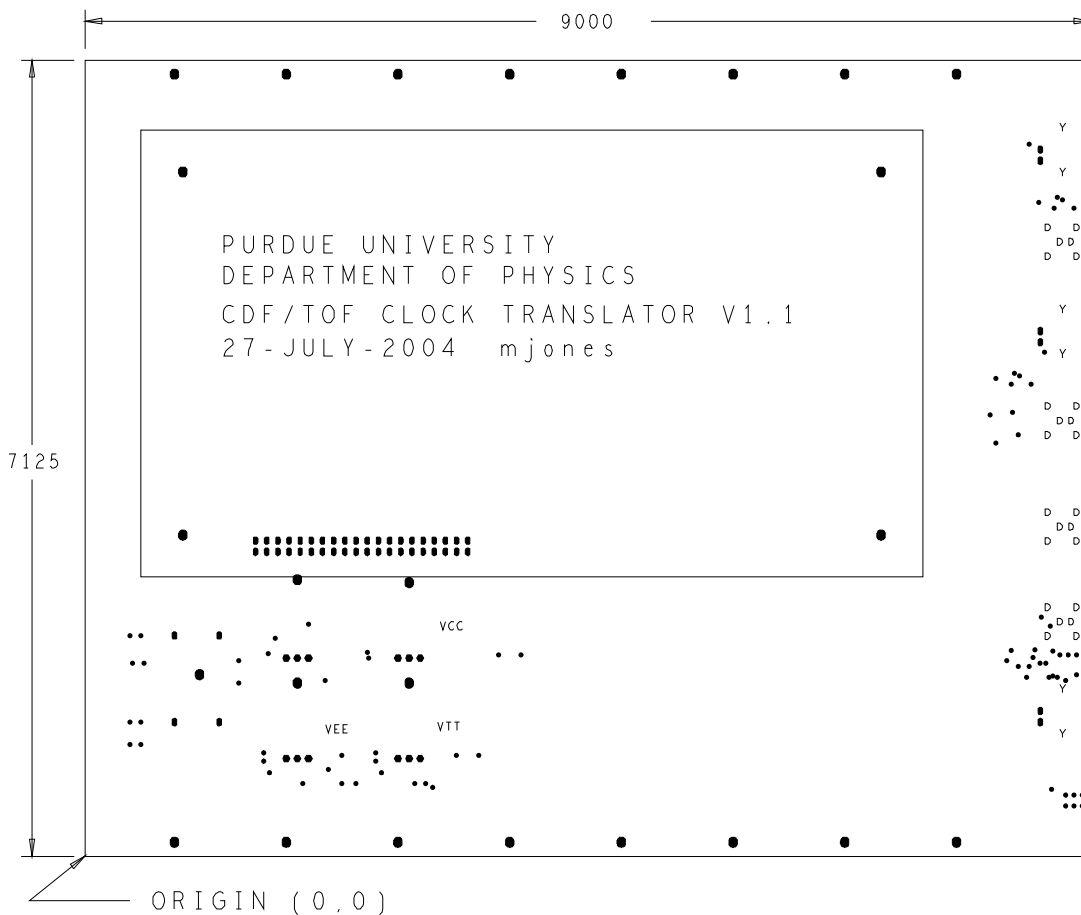
DESIGN: TOF CLOCK TRANSLATOR
 VERSION: 1.1
 DATE: 27-JULY-2004
 CONTACT: MATTHEW JONES
 PHONE: 630-840-8410
 FAX: 630-840-2968
 E-MAIL: mjones@physics.purdue.edu

- DESIGN NOTES:
- 1) ALL DIMENSIONS ARE IN MILS
(1 INCH = 1000 MILS)
 - 2) ORIGIN OF COORDINATE SYSTEM FOR GERBER AND DRILL FILES IS (0,0) LOCATED AT BOTTOM LEFT CORNER OF BOARD AS SHOWN.
 - 3) THIS IS A 4-LAYER BOARD. LAYER NAMES COPPER THICKNESS ARE AS FOLLOWS:

LAYER	CU THICKNESS
TOP	1 OZ
POWER	1 OZ
GND	1 OZ
BOTTOM	1 OZ
 - 4) TOTAL BOARD THICKNESS IS NOT LESS THAN 63 MILS
 - 5) THIS BOARD USES CONTROLLED IMPEDANCE DIFFERENTIAL TRACES AS FOLLOWS:

LAYER	WIDTH	SEPARATION	TARGET Z0
BOTTOM	16	6	100 OHMS

 LAYER SPACING SHOULD BE ADJUSTED TO OPTIMIZE TARGET IMPEDANCE (Z0).
 - 6) ALL VIAS ARE THROUGH HOLES.
 - 7) MINIMUM LINE WIDTH IS 10 MILS.
MINIMUM LINE SPACING IS 6 MILS.
 - 8) FIDUCIALS ARE ROUND PADS 50 MILS IN DIAMETER, NO SOLDER MASK, LOCATED AT (250,250), (250,6875), (8750,250), (8750,6875).



DRILL CHART			
ALL UNITS ARE IN MILS			
FIGURE	SIZE	PLATED	QTY
•	13.0	PLATED	55
•	35.0	PLATED	46
•	35.0	PLATED	22
•	42.0	PLATED	4
•	55.0	PLATED	12
D	63.0	PLATED	24
•	130.0	PLATED	25
Y	79.0	NON-PLATED	6