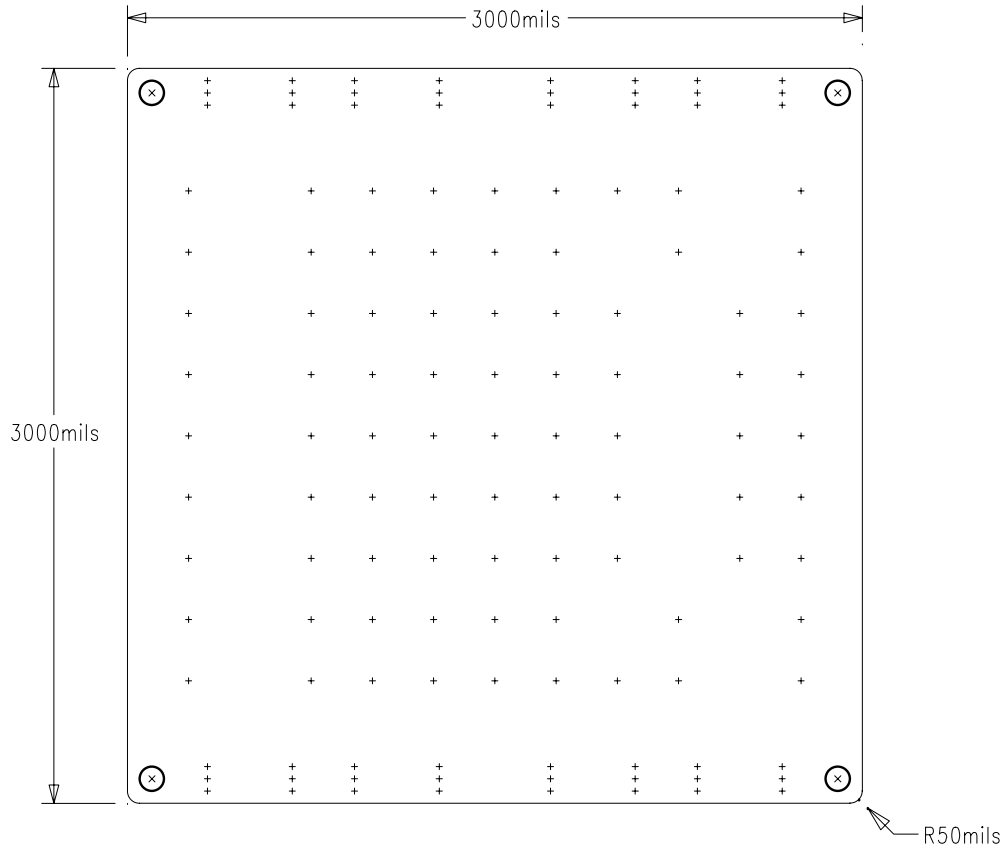
ENGINEERING RESPONSIBILITY	USING DIVISIONS	DOCUMENT NUMBER
		CBDWG_EE461_HW10

SYM	REVISIONS	REVISED BY	APPROVED BY	DATE
A	AS ISSUED	–	Brock J. LaMeres	4-4-08

MONTANA STATE UNVERISTY

THIS DOCUMENT AND ANY ASSOCIATED DATA CONTAINS INFORMATION THAT IS FOR EDUCATIONAL PURPOSES ONLY.



Layer Stackup Units = Inches			DESIGN CLASS				FINISH TYPE : Silver
MATERIAL TYPE: SEE LAYERS			6 MIL TRACE AND 6 MIL SPACE				TYPE - STANDARD
LAYER NO.	LAYER NAME	COPPER WEIGHT	COPPER THICKNESS	PREPREG & CORE MATERIAL	PREPREG & CORE PRESSED THICKNESS	TRACE WIDTH @ IMPEDANCE	VIA LAYERS
				SOLDERMASK-SMOBC (GREEN)			1-2
1	TOPSIDE	0.5 OZ + PLT	0.0014			0.120 @ 50 OHMS	
				FR-4 (Er=4.4)	0.062		
2	BOTTOMSIDE	0.5 OZ + PLT	0.0014				
				SOLDERMASK-SMOBC (GREEN)			
THIS MATERIAL STACKUP HAS BEEN APPROVED BY THE MSU DESIGN ENGINEER							
SPECIFIED BOARD THICKNESS : 0.062 +/- 10%							
SOLDER RESIST TYPE: VENDOR SELECTED							
SAFETY REQUIREMENT: MATERIAL TO BE UL94V-0FR4 OR EQUIVALENT							

1. REVISION ON FACE OF BOARD: 001.
2. PCB DESIGNED PER IPC-A-600.
3. 0.050" RADII REQUIRED ON INSIDE CORNERS UNLESS SPECIFIED OTHERWISE.
4. DIMENSIONS AND TOLERANCES ARE SHOWN IN: INCHS.
   DRILL TABLE UNITS ARE: INCHES.
5. TOLERANCES: UNPLATED ROUTED FEATURES +/- 0.015" (0.038MM).
6. VENDOR MAY ADD COPPER BALANCE PADS TO OUTER LAYERS,
   COPPER BALANCE PADS MUST AVOID ANY PRE-EXISTING COPPER FEATURE
   (I.E. COMPONENT PADS, TRACES, CONDUCTIVE AREAS...) BY 0.100" (2.54MM).
7. VENDOR MAY ALTER PHOTO DATA (GERBER) TO COMPENSATE FOR ETCHING PROCESS.
8. LINE WIDTHS MAY BE REDUCED FOR MAINTAIN MINIMUM MANUFACTURABLE SPACING.

Layer Assignements

Layer 1 : Topside Routing and Components

Layer 2 : GND Plane

SIZE	QTY	SYM	PLATED	TOL
0.016	127	+	YES	+/-0.000
0.1	4	X	NO	+/-0.000

DO NOT SCALE THIS DRAWING

ITEM	QTY	PART/MATERIAL – DESCRIPTION	MAT'L-PART NO.	MAT'L-DWG NO.	MAT'L-SPEC.

Brock J. LaMeres (DRAWN BY)	4-4-08 (DATE)	PRINTED CIRCUIT BOARD COMBINED FAB/DRILL DRAWING	Montana State University
Brock J. LaMeres (CHECKED BY)	4-4-08 (DATE)		FILE NAME: CBDWG
RELEASE TO PRODUCTION	DATE	TITLE — FRAME DATE: 4/4/2008	PART NUMBER: EE461_HW10
– (SUPERSEDES DOC.)	DATE	A (SIZE) / FULL (SCALE) / 1 1 (SHEET OF)	CBDWG_EE461_HW10