

FINISHED HOLES IN MILS				
ALL UNITS ARE IN MILS				
FIGURE	SIZE	PLATED	QTY	TOLERANCE/NOTES
+	10.0	PLATED	345	MAX, EPOXY FILL
◻	13.0	PLATED	36	MAX, EPOXY FILL
◦	20.0	PLATED	31	MAX, EPOXY FILL
◦	25.0	PLATED	14	+ .003/- .000
◦	32.0	PLATED	8	+/- .005
◊	40.0	PLATED	137	+/- .005
△	63.0	PLATED	50	+/- .005
○	67.0	PLATED	8	+/- .005
○	90.0	PLATED	2	+/- .005

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	Design/Chip Changes	11SEP06	M.Stoehr
F	Design/Chip Changes	05DEC06	M.Stoehr
G	Design/Chip Changes	11DEC07	M.Stoehr

4 LAYER STACKUP

	PRIMARY SILKSCREEN
	PRIMARY SOLDER MASK
FINISHED BOARD THICKNESS 0.062" +/- .007	PRIMARY SIDE (LAYER 1) 50 OHM
	10Z GND PLANE (LAYER 2)
	10Z PWR PLANE (LAYER 3)
	SECONDARY SIDE (LAYER 4) 50 OHM
	SECONDARY SOLDER MASK
	SECONDARY SILKSCREEN


CHARACTERISTIC IMPEDANCE = 50 OHMS +/- 10%
ARTWORK LINE WIDTH FOR
IMPEDANCE CONTROLLED LINES = 8mils 50 OHMS

NOTES:

- MATERIALS; FOR ALL MATERIALS (INCLUDING SOLDERMASK,) REFER TO EU ROHS DIRECTIVE 2002/95/EC. LAMINATE AND RESIN MATERIAL MINIMUM PARAMETERS ARE Tg>170C, Td>310C
- CLADDING; EXTERNAL LAYERS 1/2 OZ. COPPER, OVERPLATE TO 1 1/2 OZ. INTERNAL PLANE LAYERS 1 OZ. COPPER. DESIGNATED VIAS ARE TO BE NON-CONDUCTIVE FILLED AND PLATED OVER.
- SOLDER MASK; SHALL BE BLUE LIQUID PHOTOIMAGABLE (LPI) APPLIED ON BOTH SIDES OVER BARE COPPER AND SHALL MEET IPC-SM-840 (LATEST REV.) CLASS 3.
- SILK SCREEN; SHALL BE PERMANENT NON-CONDUCTIVE EPOXY INK, COLOR WHITE.

FABRICATION:

- REFER TO IPC-6010 SERIES (LATEST REV.), CLASS 2 FOR FABRICATION UNLESS OTHERWISE SPECIFIED.
- PLATED HOLE WALL THICKNESS SHALL NOT BE LESS THAN .001 INCH MINIMUM AVERAGE.
- HOLE DIAMETERS APPLY AFTER PLATING.
- FINISHED CONDUCTOR WIDTHS SHALL NOT BE REDUCED FROM THE NOMINAL INDICATED ON THE MASTER PATTERN, BY MORE THAN THE CONDUCTOR THICKNESS.
- IF PAD SIZES PROVIDED ARE NOT LARGE ENOUGH TO MAINTAIN ANNULAR RING REQUIREMENT, MFG. MAY TEAR DROP PADS TO MAINTAIN ANNULAR RING AT PAD TO CIRCUIT INTERFACE ONLY AND MUST INSURE ELECTRICAL INTEGRITY.
- REPAIRS PER IPC-R-700 ARE ALLOWED.
- MODIFICATIONS TO THE ARTWORK, OTHER THAN THOSE DESCRIBED ON THE FABRICATION DRAWING, ARE NOT ALLOWED WITHOUT WRITTEN AUTHORIZATION.
- SURFACE PLATING TO BE IMMERSION SILVER..

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES DECIMALS FRACTIONS ANGLES .XX +/- .010 +/- 1/32 +/- 2 .XXX +/- .005	FAB		 ANALOG DEVICES	HSSP-CSS DIVISION 7910 Triad Center Dr Greensboro, NC 27409		
	APPROVAL	DATE				TITLE AD9910 Eval Board
	DRAWN BY L.R.K.	21DEC07				
	DESIGNED					
MATERIAL	CHECKED		SIZE D	FSCM NO	DRAWING NUMBER 9910CE01	REV G
FINISH	APPROVED					
	MFG ENGINEER					
DO NOT SCALE DWG			SCALE 2/1		SHEET 1 OF 1	

PRIMARY SIDE