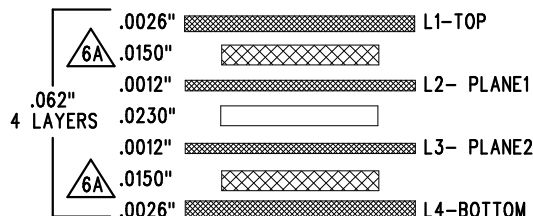


LTC DESIGNED  
IMPEDANCE TEST  
STRUCTURE COUPON

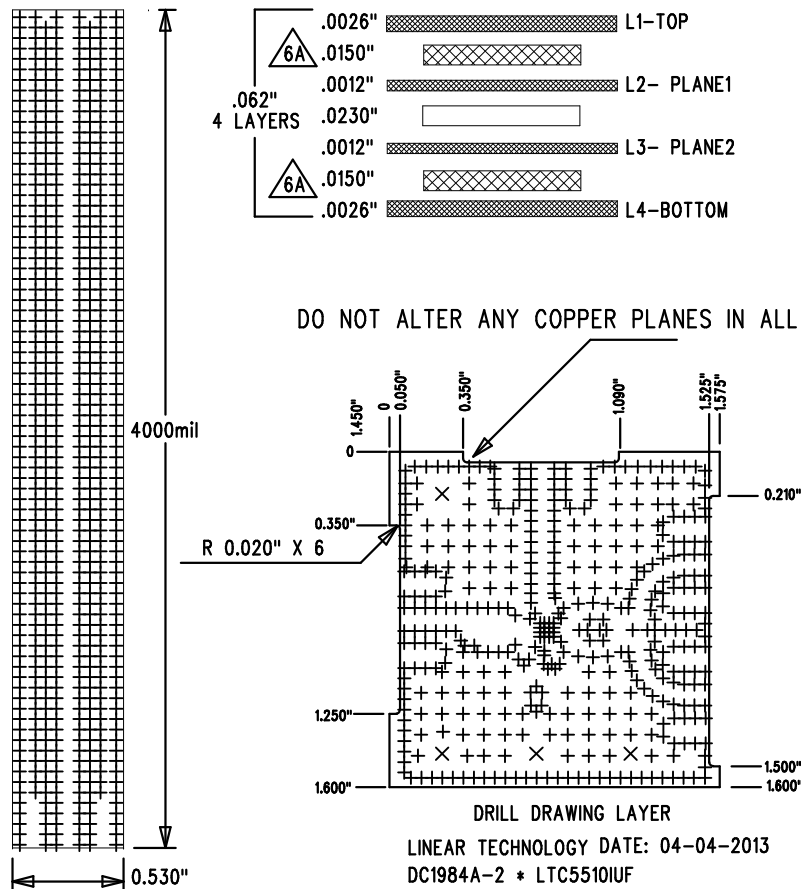
# NOTES: UNLESS OTHERWISE SPECIFIED

REVISION HISTORY				
ECO	REV	DESCRIPTION	APP. ENG.	DATE
-	2	PRODUCTION	SUNNY H.	04-04-13

## LAYER STRUCTURE



DO NOT ALTER ANY COPPER PLANES IN ALL LAYERS



DRILL DRAWING LAYER

LINEAR TECHNOLOGY DATE: 04-04-2013

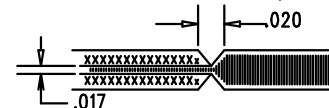
DC1984A-2 \* LTC5510IUF

WIDEBAND ACTIVE MIXER LOW FREQUENCY OUTPUT

- FAB PER IPC-A-600.
- MATERIAL: -EPOXY FIBERGLASS, NELCO 4000-13 EP  
-FINISHED THICKNESS TO BE 0.062" +/- .005"  
-TOTAL OF 4 LAYERS WITH 2 OZ. CU ON THE OUTER LAYERS AND 1 OZ. CU ON THE INNER LAYERS.  
-FLAMMABILITY RATING: 94 V-0 MINIMUM.
- SIZE: CUT TO DIMENSIONS AND TOLERANCES SHOWN.  
0.00" ARE PRIMARY DATUMS.
- DRILLING: -DRILL HOLES PER SCHEDULE. PLATE THROUGH HOLES WITH COPPER, 0.001" THICK MIN.  
-ALL HOLE SIZES ARE SPECIFIED AFTER PLATING.  
-HOLE LOCATION TOLERANCES ARE +/-0.003" IN RELATION TO CENTER
- FINISH: -SMOBC USING LPI BOTH SIDES, COLOR GREEN.  
-GOLD IMMERSION BOTH SIDES.  
-FOR SILKSCREENS: USE WHITE NON-CONDUCTIVE INK.
- CONTROLLED 50 OHM +/-5% IMPEDANCE FOR LAYER 1-2  
TRACE WIDTH 30 MILS. MUST BE TESTED ON LTC DESIGNED IMPEDANCE TEST STRUCTURE COUPON.  
EVERY PANEL MUST BE FABRICATE WITH ONE LTC DESIGNED IMPEDANCE TEST STRUCTURE COUPON  
MARK PANEL NUMBER ON BOARDS AND COUPON

**6A** SUBJECT TO CHANGE BY MANUFACTURER, DEPENDING ON DIELECTRIC CONSTANT DEVIATIONS. PLEASE CONSULT LTC.

- DO NOT ALTER ARTWORK e.g. TO ADD LOGO OR DATE CODE.  
PAD SIZE CAN BE MODIFIED TO MEET END FINISH.
- PCBS ARE TO BE RoHS COMPLIANT.
- SCORING FOR PANELIZED PCB (PRODUCTION FAB ONLY):



SIZE	QTY	SYM	PLATED	TOL
0.008	1037	+	YES	+/-0.003
0.094	4	X	YES	+/-0.003

UNLESS OTHERWISE SPECIFIED

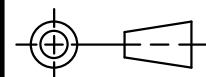
DIMENSIONS ARE IN INCHES

TOLERANCES:

0.XX" = ±0.01"

0.XXX" = ±0.005"

INTERPRET DIM AND TOL  
PER ASME Y14.5M-1994  
THIRD ANGLE PROJECTION



## APPROVALS

PCB DES.	AK
APP ENG.	SUNNY H.

SCALE = NONE

**LINEAR**  
TECHNOLOGY

1630 MCCARTHY BLVD  
MILPITAS, CA 95035  
PH: (408)432-1900  
www.linear.com  
LTC CONFIDENTIAL-  
FOR CUSTOMER USE ONLY

TITLE: FABRICATION DRAWING  
WIDEBAND ACTIVE MIXER  
LOW FREQUENCY OUTPUT

SIZE	IC NO.	REV
N/A	LTC5510IUF DEMO CIRCUIT 1984A	2

FILENAME: DC1984A-2.PCB

SHT 1 OF 1