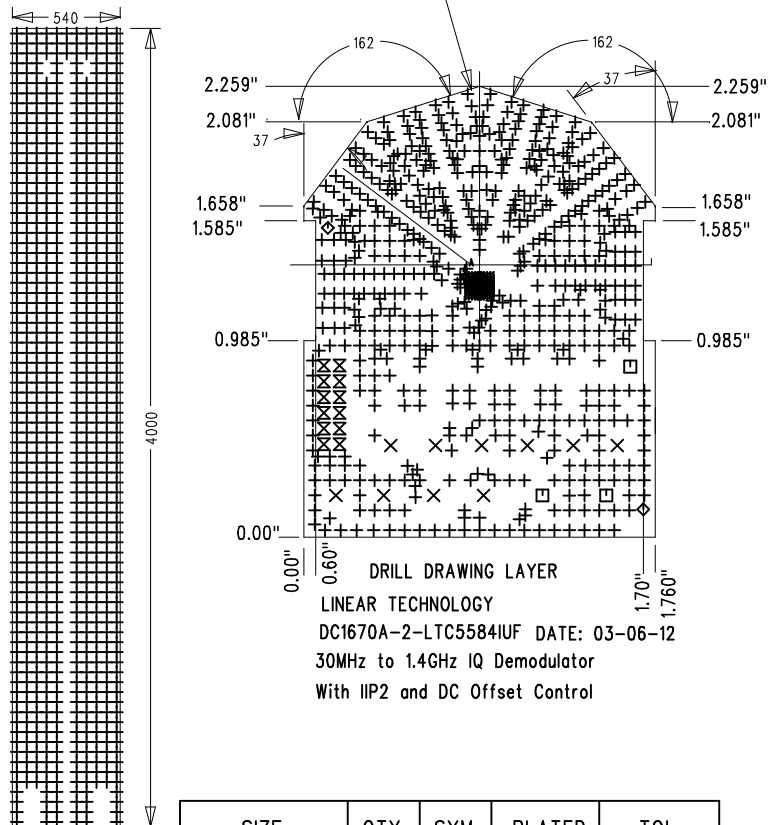


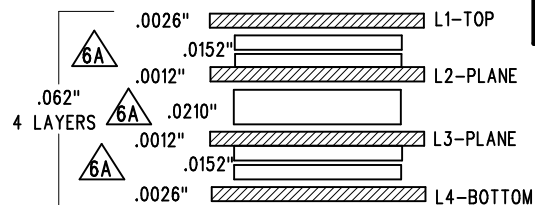
LTC DESIGNED  
IMPEDANCE TEST  
STRUCTURE COUPON  
ONE COUPON PER PANEL



DRILL DRAWING LAYER  
LINEAR TECHNOLOGY  
DC1670A-2-LTC5584IUF DATE: 03-06-12  
30MHz to 1.4GHz IQ Demodulator  
With IIP2 and DC Offset Control

SIZE	QTY	SYM	PLATED	TOL
0.01	1394	+	YES	+/-0.003
0.065	10	X	YES	+/-0.003
0.093	3	□	YES	+/-0.003
0.07	2	◇	NO	+/-0.003
0.032	12	⊗	YES	+/-0.003
0.008	36	⊗	YES	+/-0.003
0.006	5	⊕ <sup>A</sup>	YES	+/-0.003

#### LAYERING STRUCTURE



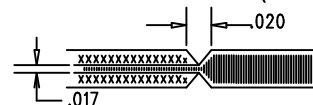
- NOTES :
- FAB PER IPC-A-600.
  - MATERIAL: -EPOXY FIBERGLASS, NELCO 4000-13  
-FINISHED THICKNESS TO BE 0.062" +/- .005"  
-TOTAL OF 4 LAYERS WITH 2 OZ. CU ON THE OUTER LAYERS AND 1 OZ. CU ON THE INNER LAYERS.  
-FLAMMABILITY RATING: 94 V-0 MINIMUM.
  - SIZE: CUT TO DIMENSIONS AND TOLERANCES SHOWN.  
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.

6. CONTROLLED 50 OHM +/-5% IMPEDANCE FOR LAYER 1-2  
TRACE WIDTH 30 MILS. MUST BE TESTED ON LTC DESIGNED  
IMPEDANCE TEST STRUCTURE COUPON.

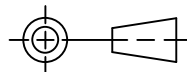
ONE COUPON PER PANEL

**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):



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  
30MHz to 1.4GHz IQ Demodulator  
With IIP2 and DC Offset Control

SIZE	IC NO.	LTC5584IUF	REV
N/A		DEMO CIRCUIT 1670A	2
FILENAME:	DC1670A-2.PCB	SHT 1 OF 1	