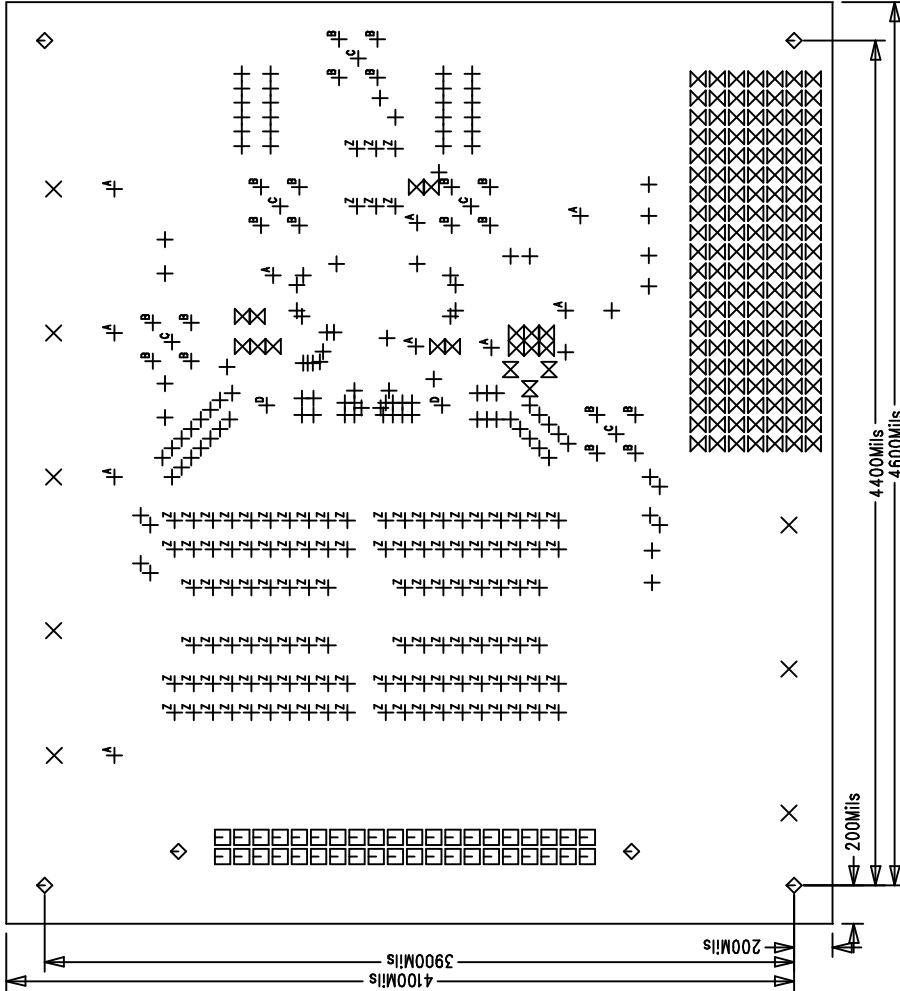


Linear Technology Corp.  
LTC1668  
Demo Board 245A  
Component Side



REVISIONS

REV	APPR	DATE
-----	------	------

NOTES: Unless Otherwise Specified

1. FINISHED MATERIAL: FR-4, 4-layers, 62-mil thickness.
2. All via holes (8-mil hole size) should be plated—solid.
3. Plate thru holes 1.4-mils min. wall thickness.  
All hole sizes given as after plating, +/- 3-mils.
4. SILKSCREEN: White non-conductive epoxy ink, top only.
5. PROCESS: Solder Mask Over Bare Copper ( SMOBC ).
6. SOLDER MASK: Glossy green LPI, both sides, smd features.
7. DO NOT MODIFY silkscreen, such as adding company logo.
8. CONTROLLED IMPEDANCE on outer dielectric layers.  
Target impedance: 50-Ohms, 8-mil trace, 1GHz.  
Expected dielectric thickness approx. 5-mils (er=4.6).
9. Layer order and copper thickness:

Comp Side 0.5oz	Prepreg
Gnd Plane 1.0oz	Core
PwrPlane 1.0oz	Prepreg
Solder Side 0.5oz	

SIZE	QTY	SYM	PLTD
8	120	+	PLTD
203	8	X	PLTD
37	40	◇	PLTD
125	6	◇	PLTD
35	155	◇	PLTD
25	3	◇	PLTD
40	10	A	PLTD
67	20	B	PLTD
62	5	C	PLTD
125	2	D	NPLTD
52	118	Z	PLTD

APPROVALS

DRAWN	INIT	DATE
CHECK		
DESIGN	Rmb	
ENGR	AG	

**LINEAR TECHNOLOGY**  
1630 McCarthy Blvd.  
Milpitas, CA 95035  
PH: (408)432-1900

TITLE: LTC1668 High-speed Current Output  
DAC Evaluation Board

SIZE	NONE	REV. A
Demo Board 245A		
DES-0281		SHT 1 of 1