

REVISION HISTORY			
ECO	REV	DESCRIPTION	APPROVAL
	4	PRODUCTION	CLARENCE M.
			DATE
			02/02/11

NOTES: UNLESS OTHERWISE SPECIFIED,

- ARTWORK P/N DC1620A REV 4.
- FAB PER IPC-A-600
- PCB SHALL MEET RoHS COMPLIANCE.
- MATERIAL:

- LAMINATE: EPOXY FIBERGLASS, NEMA GRADE FR-4
FLAMMABILITY RATING: 94 V-2 MINIMUM.
- THICKNESS: 1.6 +/- 0.1 mm
- CLAD: 2 OZ. (50um) EXTERNAL LAYERS.
1 OZ. (25um) COPPER ON TWO INTERNAL LAYERS.

FINISH:

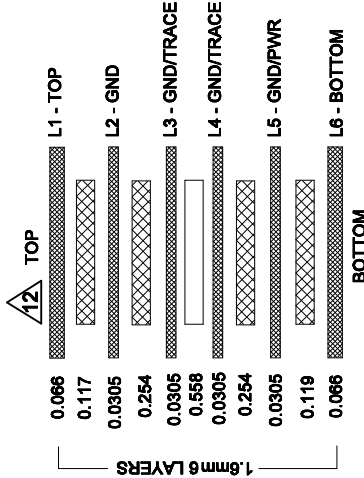
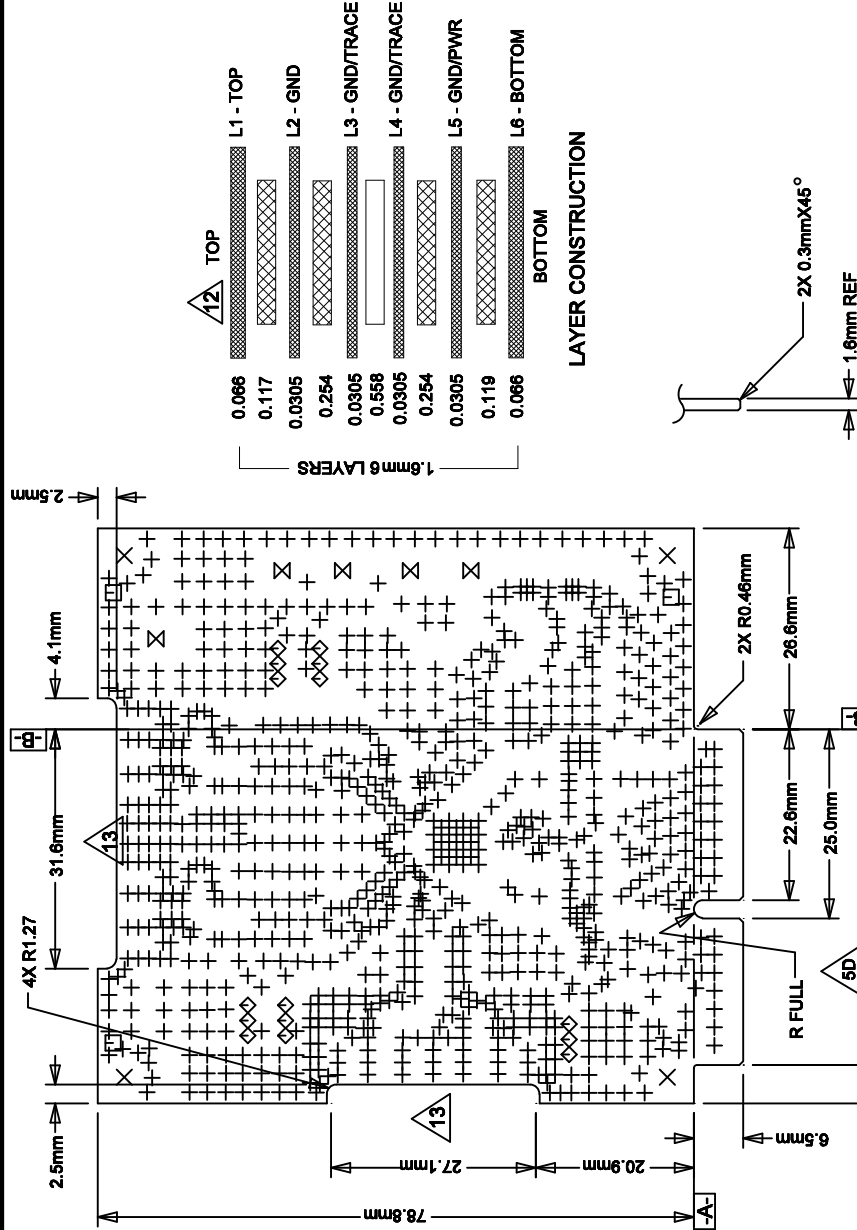
- COATING: SOLDERMASK OVER BARE COPPER,
COLOR, GREEN LPI.
- PLATING: GOLD IMMERSION BOTH SIDES.
- SILKSCREEN: COMPONENT SIDE WITH WHITE
NON-CONDUCTIVE INK.
- FINGER AREA: GOLD PLATE TO MIN. OF 0.0008mm
PER MIL-G-45204; TYP II, CL1, GRADE C; OVER
0.005mm LOW STRESS NICKEL PER QQ-N-280, CL2.
SOLDER MASK TYPE: WET PHOTO-IMAGEABLE

6. TOLERANCES:

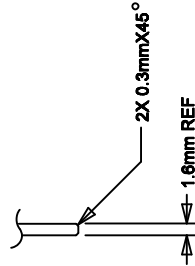
- WARPAGE: (0.075mm) MAX. ALONG THE LONGEST DIAG.
AS PER IPC-TM650 METHOD 2.4.22.
- ETCHING: +0.03mm, -0.3mm OF MASTER PATTERN.
- REGISTRATION: 0.075mm MAX.
- MASK THICKNESS: 0.025mm MIN., 0.075mm MAX.
- HOLE PLATING: 22um +/- 3um.

7. SIZE:

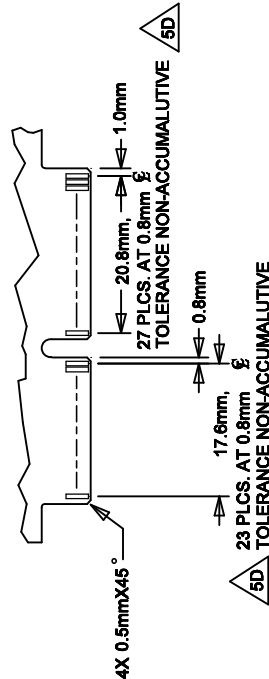
- CUT TO DIMENSIONS AND TOLERANCES SHOWN.
0.00 ARE PRIMARY DATUMS.
- HOLE DIAMETERS ARE POST-PLATED SIZES.
- DEBURR AND BREAK ALL SHARP EDGES.
- DO NOT ALTER ARTWORK e.g. TO ADD LOGO OR DATE CODE.
- OUTER DIELECTRIC THICKNESS: TARGET 50-OHM USING
0.762mm TRACE. SEE STACKUP DIAGRAM.
- 0.4mm THICKNESS REFLECTS DIELECTRIC CONSTANT OF
4.1@ 2GHz SUBJECT TO CHANGE BY MANUFACTURER,
DEPENDING ON DIELECTRIC CONSTANT DEVIATIONS.
- INNER AND OUTER LAYER COPPER SHALL BE EXPOSED
ALONG BOARD EDGES. DO NOT MODIFY INNER LAYER
COPPER BACKOFF OUTLINE.



LAYER CONSTRUCTION



COMPONENT SIDE SHOWN



SIZE	QTY	SYM	PLATED	TOL
0.25	912	+	YES	+/-0.08
0.9	15	◇	YES	+/-0.08
1.8	3	□	NO	+/-0.13
2.4	5	⊗	YES	+/-0.13
4.7	4	⊗	NO	+/-0.13

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES ON ANGLE ±1°		APPROVALS		TITLE: FABRICATION DRAWING, 2-CHANNEL HIGH SPEED LOW POWER ADC FAMILY, LVDS	
XX ± 0.254 XXX ± 0.127	PCB DES.	MI		SIZE	REV
INTERPRET DIM AND TOL PER ASME Y14.5M-1984	APP. ENG.	CLARENCE M.		N/A	4
THIRD ANGLE PROJECTION				IC NO	LTC21XXCUP FAMILY
					DEMO CIRCUIT 1620A
DO NOT SCALE DRAWING	SCALE: NONE			FILENAME:	1620A-4-PCB
					SHT 1 of 1



1680 MCCARTHY BLVD
MILPITAS, CA 95035
PH: (408) 352-1800
FAX: (408) 352-1800
LTC CONFIDENTIAL
FOR CUSTOMER USE ONLY