

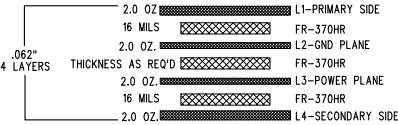
NOTES: UNLESS OTHERWISE SPECIFIED

- 1. FAB PER IPC-A-600.
- 2. MATERIAL: -LEAD FREE ASSEMBLY COMPLIANT, FR-370HR OR EQUIVALENT.
-FINISHED COPPER TO COPPER THICKNESS SHALL BE 0.062" +/- 10%
-TOTAL OF 4 LAYERS WITH FINISHED COPPER THICKNESS 2.0 OZ. ALL LAYERS.
-STACKUP AS PER FIG.1, "LAYER STRUCTURE".
-FLAMMABILITY RATING: 94 V-0 MINIMUM.
- 3. SIZE: CUT TO DIMENSIONS AND TOLERANCES SHOWN.
- 4. DRILLING:
 - 4.1 DRILL HOLES PER SCHEDULE, HOLE PLATING 1 OZ THICK MINIMUM.
 - 4.2 ALL HOLE SIZES ARE SPECIFIED AFTER PLATING.
 - 4.3 HOLE LOCATION TOLERANCES AS FOLLOWS:
 - 4.3.1 3 MILS DIAMETER TRUE POSITION TOLERANCE FOR ALL HOLES 68 MILS DIAMETER OR LESS.
 - 4.3.2 6 MILS DIAMETER TRUE POSITION TOLERANCE FOR ALL OTHER HOLES.
 - 4.4 ALL 12 MIL DIAMETER VIAS, QTY 264, SHALL BE IPC 4761 TYPE VII FILLED AND CAPPED VIAS. FILLING SHALL BE NON-CONDUCTIVE.
- 5. FINISH:
 - 5.1 SMOBC USING LPI BOTH SIDES, COLOR GREEN.
 - 5.2 HARD GOLD FLASH FINISH OVERALL, WITH SELECT HARD GOLD PLATE.
 - 5.3 SILKSCREEN LEGENDS SHALL BE WHITE NON-CONDUCTIVE EPOXY INK.
 - 5.4 PAD SIZE CAN BE MODIFIED TO MEET END FINISH.
 - 5.5 SELECT HARD GOLD PLATE ON BOTH SIDES FOR THESE AREAS THAT ARE CLEARED OF SOLDERMASK, 2 PLACES EACH SIDE. THIS PLATING SHALL HAVE MINIMUM 30 MICROINCHES GOLD PER MIL-G-45204, TYPE II, CLASS 1, GRADE C. OVER 200 MICROINCHES LOW STRESS NICKEL PER QQ-N-290, CLASS 2.
- 6. FABRICATOR SHALL NOT ADD LOGO OR DATE CODE TO ARTWORK.
- 7. BOARDS SHALL BE PANELIZED USING ROUTE AND RETAIN METHOD.
- 8. ANY ELECTRICAL TEST STAMPS SHALL BE ON SECONDARY SIDE ONLY.
- 9. PCBs SHALL BE RoHS COMPLIANT.

DRILL CHART

SIZE	QTY	SYM	PLATED	TOL
188	4	+	NO	+/-0.003
65	19	X	YES	+/-0.003
35	14	□	YES	+/-0.003
10	115	◇	YES	+/-0.003
207	4	⊠	YES	+/-0.003
29.53	2	⊠	YES	+/-0.003
40	4	+ ^A	YES	+/-0.003
20	612	+ ^B	YES	+/-0.003
12	264	+ ^C	YES	+/-0.003
250	2	+ ^D	NO	+/-0.003

FIG. 1
LAYER STRUCTURE



UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES:
0.1XX" = ±0.01"
0.1XX" = ±0.005"
INTERPRET DIM AND TOL
PER ASME Y14.5M-1994
THIRD ANGLE PROJECTION

APPROVALS
ENG. MH
APP ENG. R. LILARAMANI

SCALE = NONE
FILENAME: 630-DC2914A_REV01_DESIGN_LAYOUT.PCB

ANALOG DEVICES
FOR ADI CUSTOMER USE ONLY

TITLE: FABRICATION DRAWING DEMO CIRCUIT DC2914A
POSITIVE HIGH VOLTAGE
HOT SWAP CONTROLLER

SIZE N/A
IC NO. LTC4238
DRILL DWG. REV. 01

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