

REVISION HISTORY			
ECO	REV	DESCRIPTION	APP. ENG.
			DATE

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 0.090 IN. +/- 10%
-TOTAL OF 8 LAYERS WITH FINISHED COPPER THICKNESS 2.0 OZ. ALL LAYERS.
-STACKUP AS PER FIG.1, "STACKUP DETAILS".
-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 5, SHALL BE IPC 4761 TYPE VII FILLED AND CAPPED VIAS. FILLING SHALL BE NON-CONDUCTIVE.

4.5 332 MIL DIAMETER HOLES, QTY 5, SHALL NOT BE PLATED THROUGH.
5. FINISH:

5.1 SMOBC USING LPI BOTH SIDES, COLOR GREEN.

5.2 HARD GOLD FLASH FINISH OVERALL, WITH SELECT HARD GOLD PLATE.

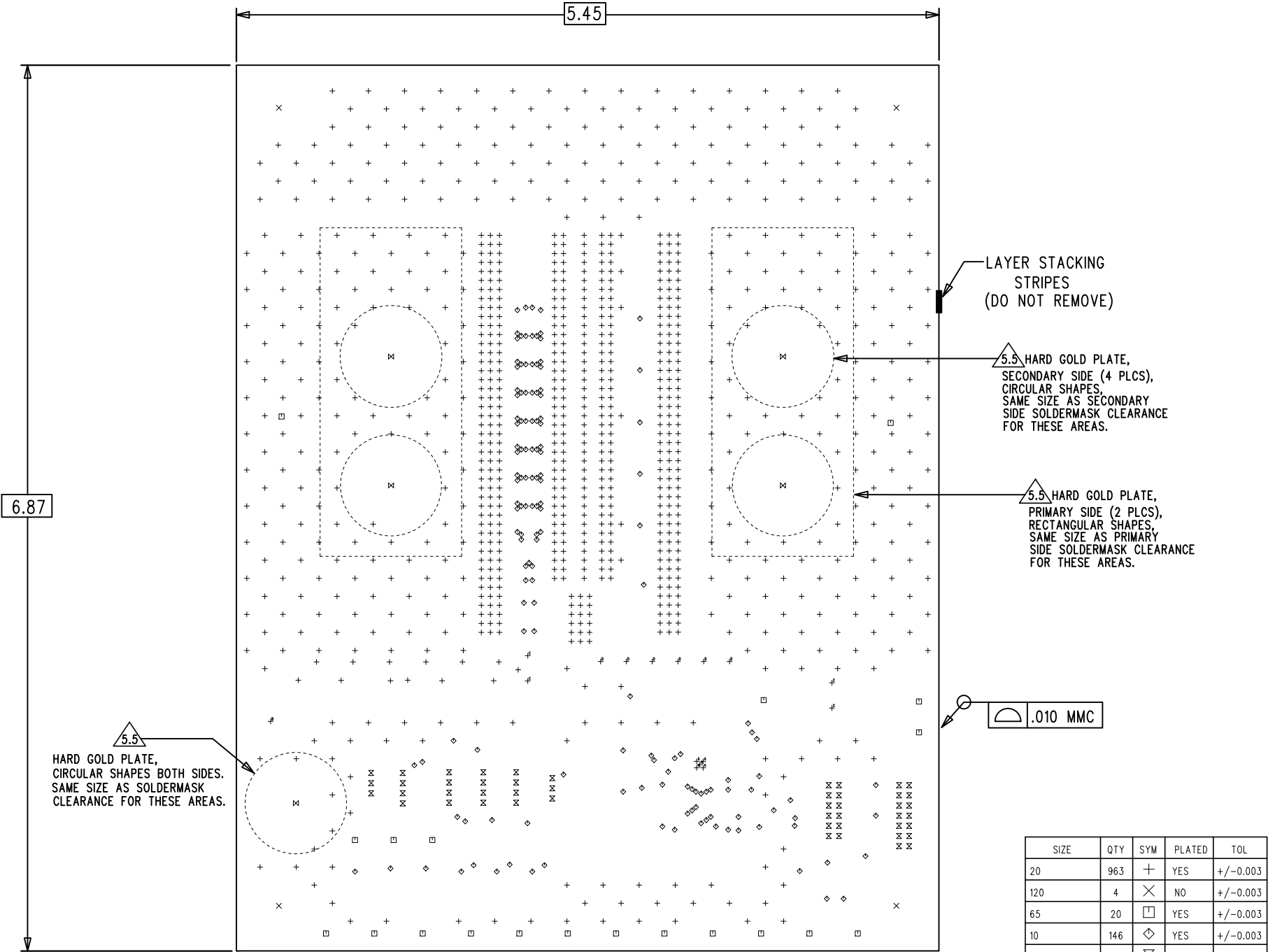
5.3 SILKSCREEN LEGENDS SHALL BE WHITE NON-CONDUCTIVE EPOXY INK.

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.
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. THERE SHALL BE ONE RETAINING TAB ON EACH BOARD EDGE.
8. ELECTRICAL TEST STAMPS SHALL BE ON SECONDARY SIDE ONLY.
9. PCBs SHALL BE RoHS COMPLIANT.


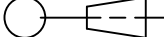
FIG. 1
STACKUP DETAILS

2.0 OZ.		L1-PRIMARY SIDE
6 MILS		FR-370HR
2.0 OZ.		L2-GND PLANE
6 MILS		FR-370HR
2.0 OZ.		L3-POWER/ROUTE
6 MILS		FR-370HR
2.0 OZ.		L4-POWER PLANE
AS REQ'D		FR-370HR
2.0 OZ.		L5-POWER PLANE
6 MILS		FR-370HR
2.0 OZ.		L6-POWER/ROUTE
6 MILS		FR-370HR
2.0 OZ.		L7-POWER PLANE
6 MILS		FR-370HR
2.0 OZ.		L8-SECONDARY SIDE



SIZE	QTY	SYM	PLATED	TOL
20	963	+	YES	+/-0.003
120	4	×	NO	+/-0.003
65	20	□	YES	+/-0.003
10	146	◇	YES	+/-0.003
35	48	⊗	YES	+/-0.003
332	5	⊠	NO	+/-0.004
12	5	⊕ ^A	YES	+/-0.003
207	1	⊕ ^B	YES	+/-0.003
29.53	4	⊕ ^C	YES	+/-0.003
40	6	⊕ ^D	YES	+/-0.003

LINEAR TECHNOLOGY
SKU #DC2442A
PCB FABRICATION # 600-DC24442 REV02

UNLESS OTHERWISE SPECIFIED		APPROVALS		<div> LINEAR TECHNOLOGY</div> <div>1630 MCCARTHY BLVD MILPITAS, CA 95035 PH: (408)432-1900 www.linear.com LTC CONFIDENTIAL- FOR CUSTOMER USE ONLY</div>			
DIMENSIONS ARE IN INCHES		PCB DES.	M.HAWKINS				
TOLERANCES:		APP ENG.	BOB SMITH	TITLE: FABRICATION DRAWING HIGH CURRENT HOT SWAP CONTROLLER WITH I ² C COMPATIBLE MONITORING AND EEPROM			
0.XX" = ±0.01"							
0.XXX" = ±0.005"							
INTERPRET DIM AND TOL PER ASME Y14.5M-1994 THIRD ANGLE PROJECTION							
				SIZE	IC NO.	LTC4282	PCB REV.
				11X17	DEMO CIRCUIT 2024A		02
		SCALE = NONE				SHT 1 OF 1	