

SIZE	QTY	SYM	PLATED	TOL
10	761	+	YES	±3Mil
187	4	×	YES	±3Mil
94	28	□	YES	±3Mil
70	2	◇	NO	±3Mil
35	26	⊗	YES	±3Mil
6	29	⊠	YES	±3Mil

#### ADDITIONAL REQUIREMENT FOR PROTOTYPE FAB ONLY:

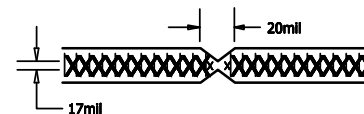
1. OUTGOING INSPECTION REPORT (BASED ON ACTUAL MEASUREMENTS AND CROSS SECTION).
- ADDITIONAL REQUIREMENTS FOR PRODUCTION FAB ONLY:
  1. PROVIDE COMPLIANCE CERTIFICATES FOR RoHS, REACH AND CONFLICT-FREE MINERALS.
  2. SOLDERABILITY BOARD WITH TEST RESULTS.
  3. OUTGOING INSPECTION REPORT (BASED ON ACTUAL MEASUREMENTS AND CROSS SECTION).
  4. VACUUM PACKED WITH DESICCANT.
  5. FULL PANEL WITH NO REJECT.

## LAYER STRUCTURE

2.0 OZ.		LAYER 1- TOP SIDE
6.0 MILS		FR370-HR
1.0 OZ.		LAYER 2
10 MILS		FR370-HR
1 OZ.		LAYER 3
THICKNESS AS REQ'D		FR370-HR
1 OZ.		LAYER 4
10 MILS		FR370-HR
1.0 OZ.		LAYER 5
6.0 MILS		FR370-HR
2.0 OZ.		LAYER 6- BOTTOM SIDE

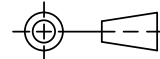
## NOTES : UNLESS OTHERWISE SPECIFIED

1. FAB PER IPC-A-600.
2. MATERIAL: LEAD FREE ASSEMBLY COMPLIANT ISOLA FR-370HR OR EQUIVLENT.  
2 OZ. COPPER FINISH ON EXTERNAL LAYERS.  
1 OZ. COPPER FINISH ON INTERNAL LAYERS.  
THICKNESS .062 +/- .006 TOTAL OF 6 LAYERS.  
FLAMMABILITY RATING: 94 V-0 MINIMUM .
3. SIZE: DIMENSIONS SHOWN AND TOLERANCES +/-0.010  
0.00 ARE PRIMARY DATUMS.
4. DRILLING: DRILL HOLES PER SCHEDULE. PLATE THROUGH  
HOLES WITH COPPER, .001 INCH THICK MIN. ALL  
HOLE SIZES ARE SPECIFIED AFTER PLATING.  
HOLE LOCATION TOLERANCES ARE +/-3MIL  
INCH IN RELATION TO CENTER  
FOR VIAS SIZE LESS THAN 13MILS, VIA HOLES NEED TO BE  
PLUGGED AND COVERED WITH SOLDERMASK.
5. FINISH: SMOBC USING LPI BOTH SIDES COLOR GREEN.  
GOLD IMMERSION BOTH SIDES.
6. SILKSCREEN : USING WHITE NON-CONDUCTIVE EPOXY INK.
7. DO NOT ALTER ARTWORK TO ADD LOGO OR DATE CODE BUT MAY  
MODIFY PAD SIZE TO MEET END FINISH.
8. PCB'S SHOULD BE RoHS COMPLIANT.
9. SCORING: FOR PANELIZED FABRICATION 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



TITLE: FABRICATION DRAWING  
42V QUAD, GANGABLE, SYNCHRONOUS  
MONOLITHIC STEP-DOWN REGULATOR

SIZE	IC NO.	LT8686S	REV
N/A		DC3126A	4
FILENAME:			SHT 1 OF 1