

REVISION			
REV/	DESCRIPTION	ECO	DATE
1	Chg drill pattern		
2	Chg drill pattern		
3	Chg drill pattern		7-7-03 TAP/RLR
4	UPDATE TITLE	101686	6-6-05 TAP/RLR

NOTES UNLESS OTHERWISE SPECIFIED:

- FABRICATE IAW IPC-6012, CLASS 2, CURRENT REVISION.
- BOARD SHALL MEET THE INSPECTION CRITERIA OF IPC-A-600 CLASS 2, CURRENT REVISION.
- USE ARTWORK 452532AW REV 4.

4 MATERIAL: FR4. SEE LAYER STACK-UP BELOW.

5 FINISHED WEIGHT OF ALL COPPER LAYERS SHALL BE 1 OZ. PER SQUARE FOOT NOMINAL.

6. DESMEAR HOLES AND VIAS.

7 FINISH: HOT-AIR LEVEL TIN-LEAD (HASL).

8. SILKSCREEN COMPONENT SIDE ONLY WITH NONCONDUCTIVE EPOXY INK. COLOR SHALL BE A CONTRASTING INK WITH RESPECT TO SOLDERMASK COLOR. DISTORTION OF SILKSCREEN IS ACCEPTABLE OVER TRACES. REMOVE EPOXY INK FROM SOLDER LANDS.

9. APPLY SOLDERMASK OVER BARE COPPER (SNOBC) IAW IPC-SM-840, BOTH SIDES, USING LPI, COLOR CLEAR OR GREEN. SOLDERMASK OVER VIAS IS NOT ACCEPTABLE.

10. TANGENCY IS ACCEPTABLE.

11. REMOVAL OF NON-FUNCTIONAL PADS ON INTERNAL LAYERS IS ACCEPTABLE.

12 SUPPLIER LOGO AND LOT NUMBER/DATE CODE SHALL ONLY BE SILKSCREENED WITH NON-CONDUCTIVE EPOXY INK IN APPROX. LOCATION SHOWN.

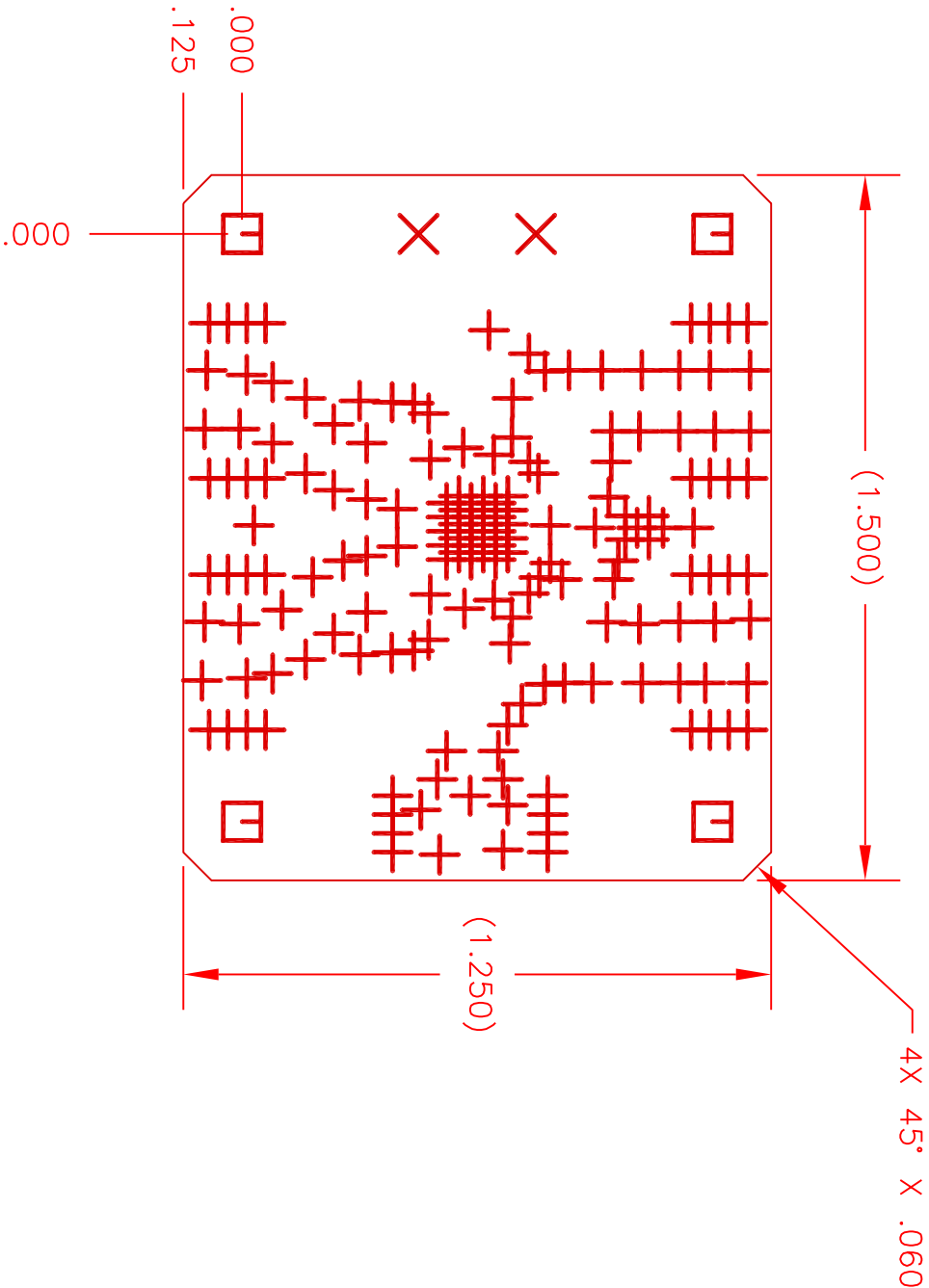
13 MARK ARTWORK 452532AW, CURRENT REV LEVEL APPROX. WHERE SHOWN.

14. ALL ROUTING ARE INDICATED BY HATCHED AREAS.

15 SCORING PROCESS TO FOLLOW DETAIL "A" (SEE SHEET 2). CIRCUIT FABRICATOR TO BREAK ONE SUB-PANEL FROM EACH LOT TO ENSURE PROPER SCORING ACHIEVED.

16 A MAXIMUM OF TWO (2) X-OUT ARE ALLOWED PER SUB-PANEL.

COMPONENT SIDE



4 LAYER
CROSS SECTION
FILM SET

5

LAYER 1 - COWP SIDE

LAYER 2 - GND PLANE

LAYER 3 - INTERNAL SIGNAL

LAYER 4 - BOTTOM SIDE

1 OZ. CU

1 OZ. CU

1 OZ. CU

1 OZ. CU

4 LAYER
CROSS SECTION
DIMENSIONAL TOLERANCE

PREPREG .014 ±.002

CORE

PREPREG .014

.062 ±.006

HOLE SCHEDULE (ALL PLATED THRU DIAMETERS ARE AFTER PLATING)

SYM	DESCRIPTION	PLATED THRU	QTY
+	Ø.010 +.003/- .010 THRU	YES	171
X	Ø.055 +.001/- .003 THRU	YES	2
□	Ø.102 ±.003 THRU	YES	4

REF	0	452532AW	PWB, CV2XX DUAL BRANCH DMN CVTR
QTY PER DASH NO	ITEM NO	PART OR IDENT NO	CAGE CODE
PARTS LIST OR MATERIAL			
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. TOLERANCES ON FINISHES AS SHOWN. ANGLES ± 0° 30'			
MATERIAL:			
4	4	Kendall Keisen	11-26-02
4	4	R. Rogie	11-26-02
FINAL PROTECTIVE FINISH:			
7	7		

COMMUNICATIONS, INC.

PRINTED CIRCUIT BOARD,
DUAL BRANCH CV

SIZE	CAGE CODE	452532PC	REV
D	14482		4
SCALE	NONE W/O NO.		SHEET 1 OF 2