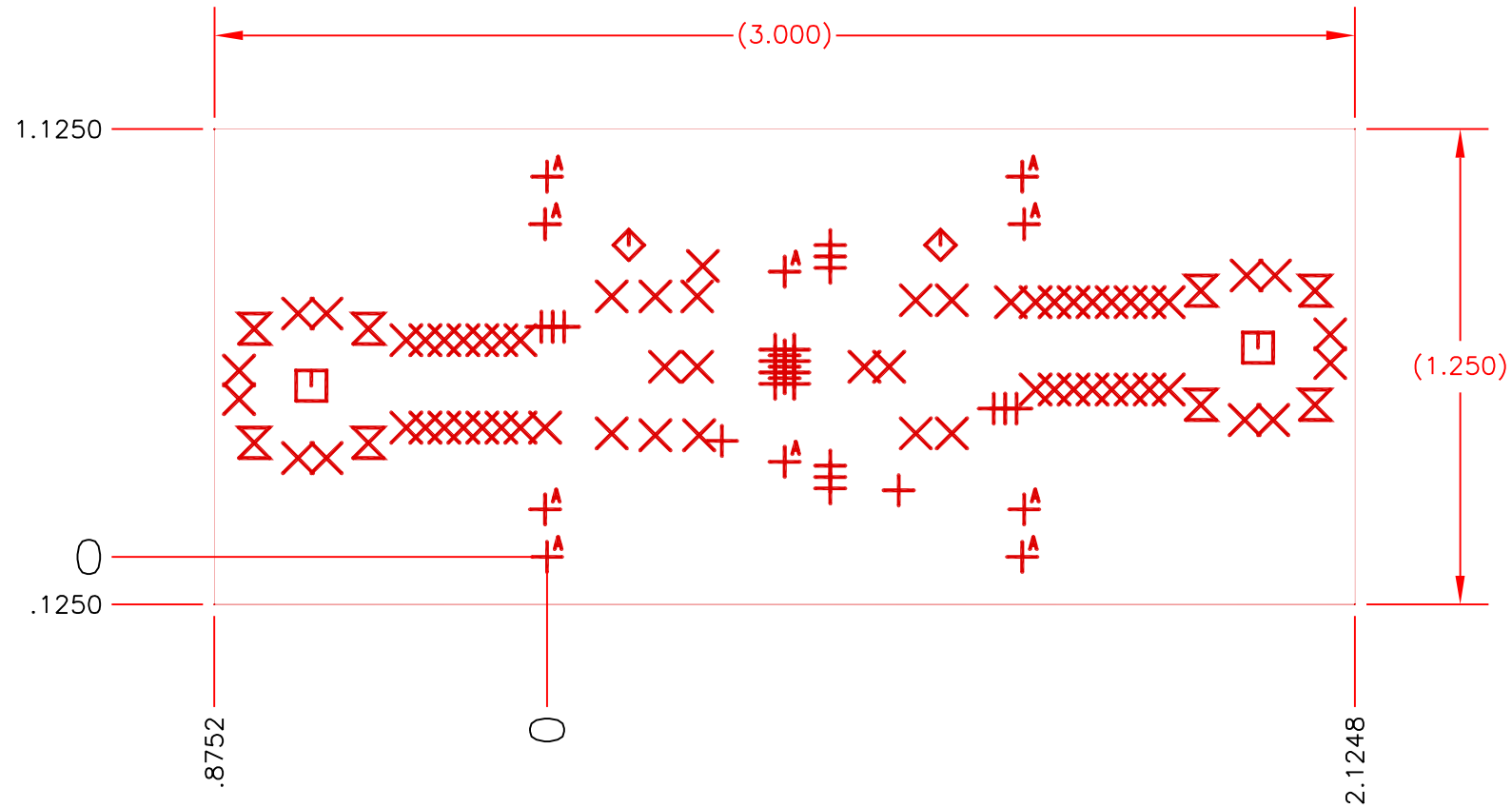
REVISION				
REV	DESCRIPTION	ECO	DATE	BY/APPD
1	Circuit update.		6-28-04	KAK/SJ

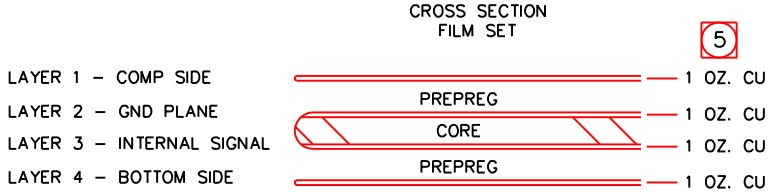
NOTES UNLESS OTHERWISE SPECIFIED:

1. FABRICATE IAW IPC-6012, CLASS 2, CURRENT REVISION.
2. BOARD SHALL MEET THE INSPECTION CRITERIA OF IPC-A-600 CLASS 2, CURRENT REVISION.
3. USE ARTWORK 453215AW REV 1.
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 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 (SMOBC) 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 453215AW, 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.

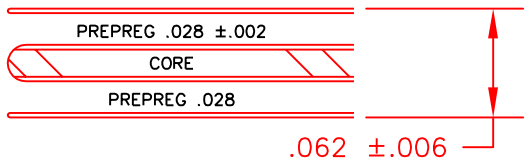
COMPONENT SIDE



4 LAYER
CROSS SECTION
FILM SET



4 LAYER
CROSS SECTION
DIMENSIONAL TOLERANCE



HOLE SCHEDULE (ALL PLATED THRU DIAMETERS ARE AFTER PLATING)			
SYM	DESCRIPTION	PLATED THRU	QTY
+	ø.010 +.003/-.010 THRU	YES	25
X	ø.020 ±.003 THRU	YES	59
◻	ø.051 ±.003 THRU	YES	2
◇	ø.055 +.001/-.003 THRU	YES	2
⧖	ø.094 ±.003 THRU	YES	8
A	ø.102 ±.003 THRU	YES	10

QTY PER DASH NO	ITEM NO	PART OR IDENT NO	CAGE CODE	NOMENCLATURE OR DESCRIPTION	SPEC/STD
	REF	0	453215AW	PWB, PUSH-PULL EVALUATION BOARD	

PARTS LIST OR MATERIAL

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES, TOLERANCES ON
XX DEC ± .02
XXX DEC ± .005
FINISH 63 RMS
ANGLES ± 0° 30'
± 0°

COMMUNICATIONS, INC.
SAN JOSE, CALIFORNIA

MATERIAL: 4

FINAL PROTECTIVE FINISH: 7

DR	K. KELSEN	10-22-03
CHK		
ENG	S. JALIL	10-22-03
MFG		
QA		
TF		
CONT NO.		

PRINTED CIRCUIT BOARD,
PUSH-PULL EVAL. BRD

SIZE	CAGE CODE		REV
D	14482	453215PC	1

SCALE NONE W/O NO. SHEET 1 OF 2

DSIZE 00/08/16

453215PC