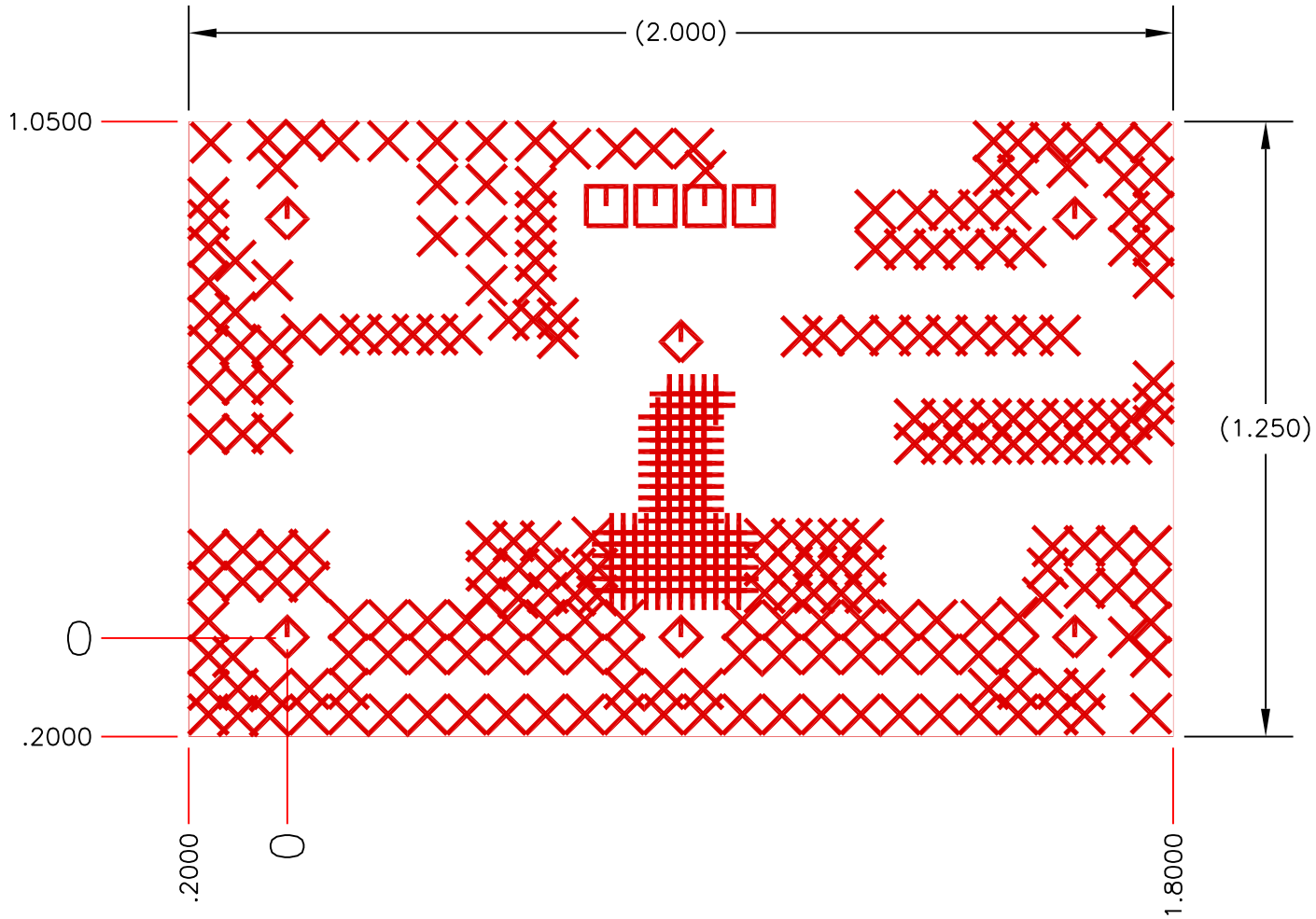
REVISION				
REV	DESCRIPTION	ECO	DATE	BY/APPD

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 454806AW CURRENT REV.
4. MATERIAL: ULTRALAM 2000. 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: GOLD FINISH: GOLD PLATE IAW MIL-G-45204C, TYPE I, GRADE C, Class I, 50 micro inches +/- 1.3 micro inches, KNOOP Hardness of 130-200, OVER 200 micro inches +/- 5 micro inches NICKEL/QQ-N-290A, Class I, Grade G.
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 (SMOBC) IAW IPC-SM-840, TOP SIDE ONLY, 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 454806AW, CURRENT REV LEVEL APPROX. WHERE SHOWN.
14. SCORING PROCESS TO FOLLOW DETAIL "A" (SEE SHEET 2). CIRCUIT FABRICATOR TO BREAK ONE SUB-PANEL FROM EACH LOT TO ENSURE PROPER SCORING ACHIEVED.
15. A MAXIMUM OF TWO (2) X-OUT ARE ALLOWED PER SUB-PANEL.
16. FABRICATION SHALL NOT ADD COPPER THIEVING ON ANY LAYER.
17. USE DRILL SIZE ø.0135.

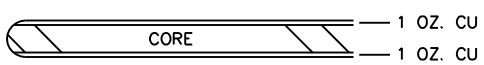
COMPONENT SIDE



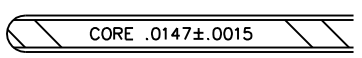
2 LAYER
CROSS SECTION
FILM SET

5

LAYER 1 - COMP SIDE
LAYER 2 - BOTTOM SIDE



2 LAYER
CROSS SECTION
DIMENSIONAL TOLERANCE



17

HOLE SCHEDULE (ALL PLATED THRU DIAMETERS ARE AFTER PLATING)			
SYM	DESCRIPTION	PLATED THRU	QTY
+	ø.010 +.003/-.010 THRU	YES	132
X	ø.020 ±.003 THRU	YES	233
□	ø.042 ±.003 THRU	YES	4
◇	ø.102 ±.003 THRU	YES	6

QTY PER DASH NO	ITEM NO	PART OR IDENT NO	CAGE CODE	NOMENCLATURE OR DESCRIPTION	SPEC/STD
				PARTS LIST OR MATERIAL	

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. TOLERANCES ON
XX DEC ± .02 FINISH 63 RMS ANGLES ± 0° 30'
XXX DEC ± .005 ± 2° 0'

COMMUNICATIONS, INC.
SAN JOSE, CALIFORNIA

MATERIAL: 4

FINAL PROTECTIVE FINISH: 7

DR	K. Kelsen	4-13-06
CHK		
ENG	W. Mo	4-13-06
MFG		
QA		
IF		
CONT NO.		

PRINTED CIRCUIT BOARD,
AP601/602/603

SIZE	CAGE CODE		REV
D	14482	454806PC	-

SCALE NONE W/O NO. SHEET 1 OF 2

454806PC

DSIZE 00/08/16