

REVISION			
REV	DESCRIPTION	DCN	DATE
1	Add 50 ohm requirement.		4-12-11
2	Remove SS from comps		5-25-11
			KAK
			TAP

NOTES UNLESS OTHERWISE SPECIFIED:

1. FABRICATE IAW IPC-6012, CLASS 2, CURRENT REVISION.
2. BOARD SHALL MEET THE INSPECTION CRITERIA OF IPC-A--6000 CLASS 2, CURRENT REVISION.
3. USE ARTWORK 1075825AW CURRENT REV.

4 MATERIAL: NELCO N4000-13

5 FINISHED WEIGHT PER SQUARE FOOT NOMINAL  
OUTER LAYERS SHALL BE 1 OZ.  
INNER LAYERS SHALL BE 1 OZ.

## 6. DESMEAR HOLES AND VIAS.

7 FINISH: ELECTROLESS NI IMMERSION AU (ENIG).  
GOLD PLATING THICKNESS TO BE BETWEEN 3 – 8 MICRONS

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) 1AW IPC-SM-840, TOP SIDE ONLY, USING LPI, COLOR CLEAR OR GREEN. SOLDERMASK OVER WAS IS NOT ACCEPTABLE

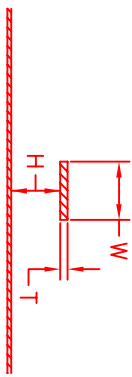
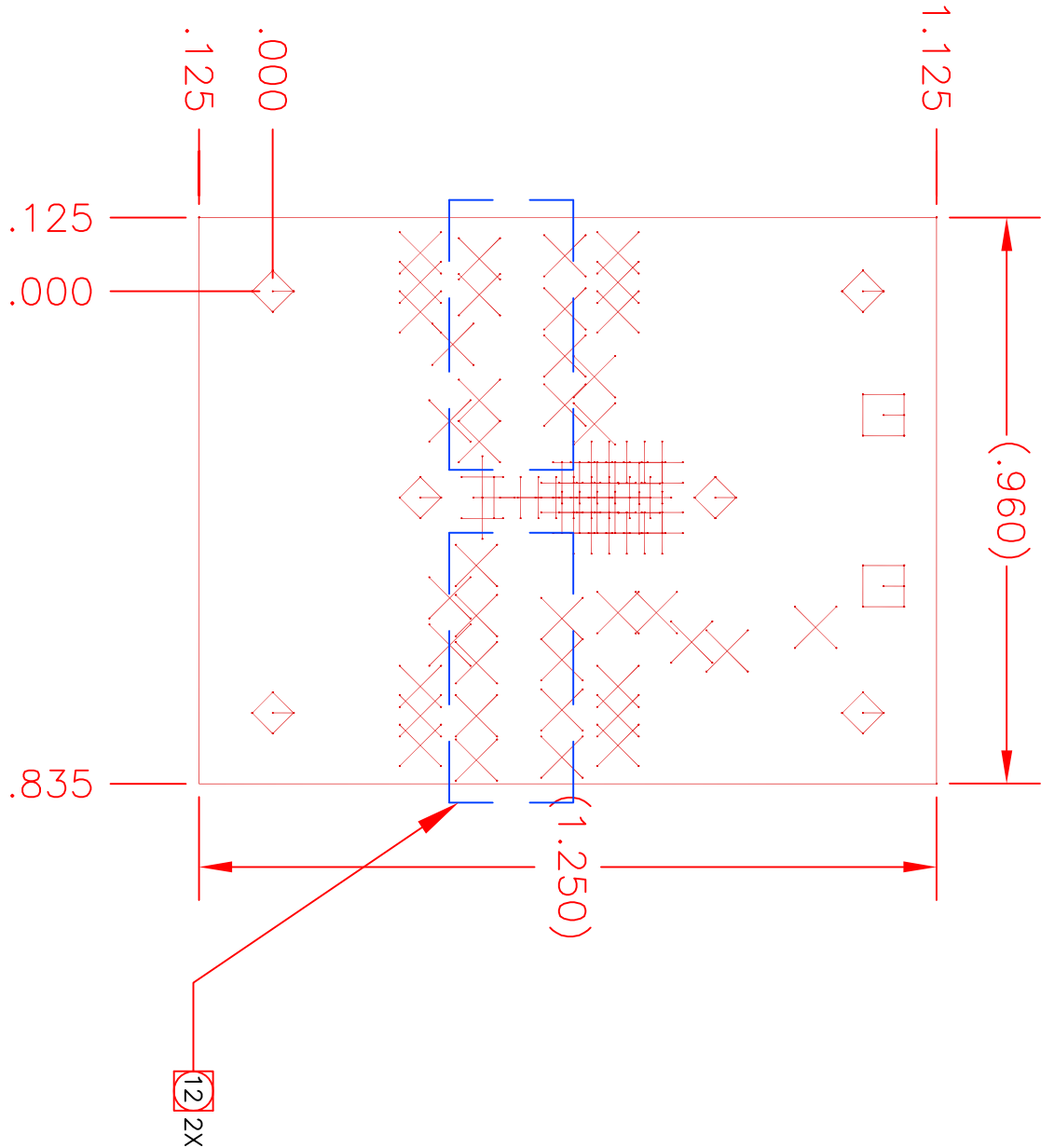
10 SUPPLIER LOGO AND LOT NUMBER/DATE CODE SHALL ONLY BE SILKSCREENED WITH NON-CONDUCTIVE EPOXY INK IN APPROX. LOCATION SHOWN.

11 MARK ARTWORK NO. 1075825AW, CURRENT REV LEVEL APPROX. WHERE SHOWN.

12 CALCULATE IMPEDANCE USING MICROSTRIP MODEL.  
ADJUST RF TRACE WIDTH TO MEET 50 OHMS +/- 5%

13. INCLUDE A 50 OHM TEST COUPON

## COMPONENT SIDE



12 CALCULATE IMPEDANCE  
USING MICROSTRIP MODEL  
CROSS SECTION

4 LAYER  
CROSS SECTION  
FILM SET

5

LAYER 1 – COMP SIDE  
LAYER 2 – INTERNAL 2  
LAYER 3 – INTERNAL 3  
LAYER 4 – BOTTOM SIDE


PREPREG  
CORE  
PREPREG

1 OZ. CU  
1 OZ. CU  
1 OZ. CU  
1 OZ. CU

4 LAYER  
CROSS SECTION  
DIMENSIONAL TOLERANCE

HOLE SCHEDULE (ALL PLATED THRU DIAMETERS ARE AFTER PLATING)			
SYM	DESCRIPTION	PLATED THRU	QTY
+	$\phi .010 + .003 / - .010$ THRU	YES	35
X	$\phi .020 \pm .003$ THRU	YES	40
□	$\phi .055 \pm .003$ THRU	YES	2
◇	$\phi .102 \pm .003$ THRU	YES	6

TriQuint SEMICONDUCTOR PROPRIETARY INFORMATION

QTY		PART OR IDENT NO		CAGE CODE	NOMENCLATURE OR DESCRIPTION		SPEC/STD
QTY PER DASH NO		ITEM NO		PART OR IDENT NO		CAGE CODE	SPEC/STD
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.							
PARTS LIST OR MATERIAL							
MATERIAL: XX DEC ± .02 XXX DEC ± .005 FINISH 63 RUS TOLERANCES ON FINISH ± 0° 30' V ± 0° 0'				 PCB, EVAL BOARD TQP3M9006 SAN JOSE, CALIFORNIA			
FINAL PROTECTIVE FINISH:		DR. K. KELSEN		12-22-09			
4		CHK					
DR P. LAFERRIERE		12-22-09					
WFO							
SIZE		CAGE CODE		REV			
D 14482		1075825PC		2			
SCALE NONE		W/O NO.		SHEET 1 OF 1			