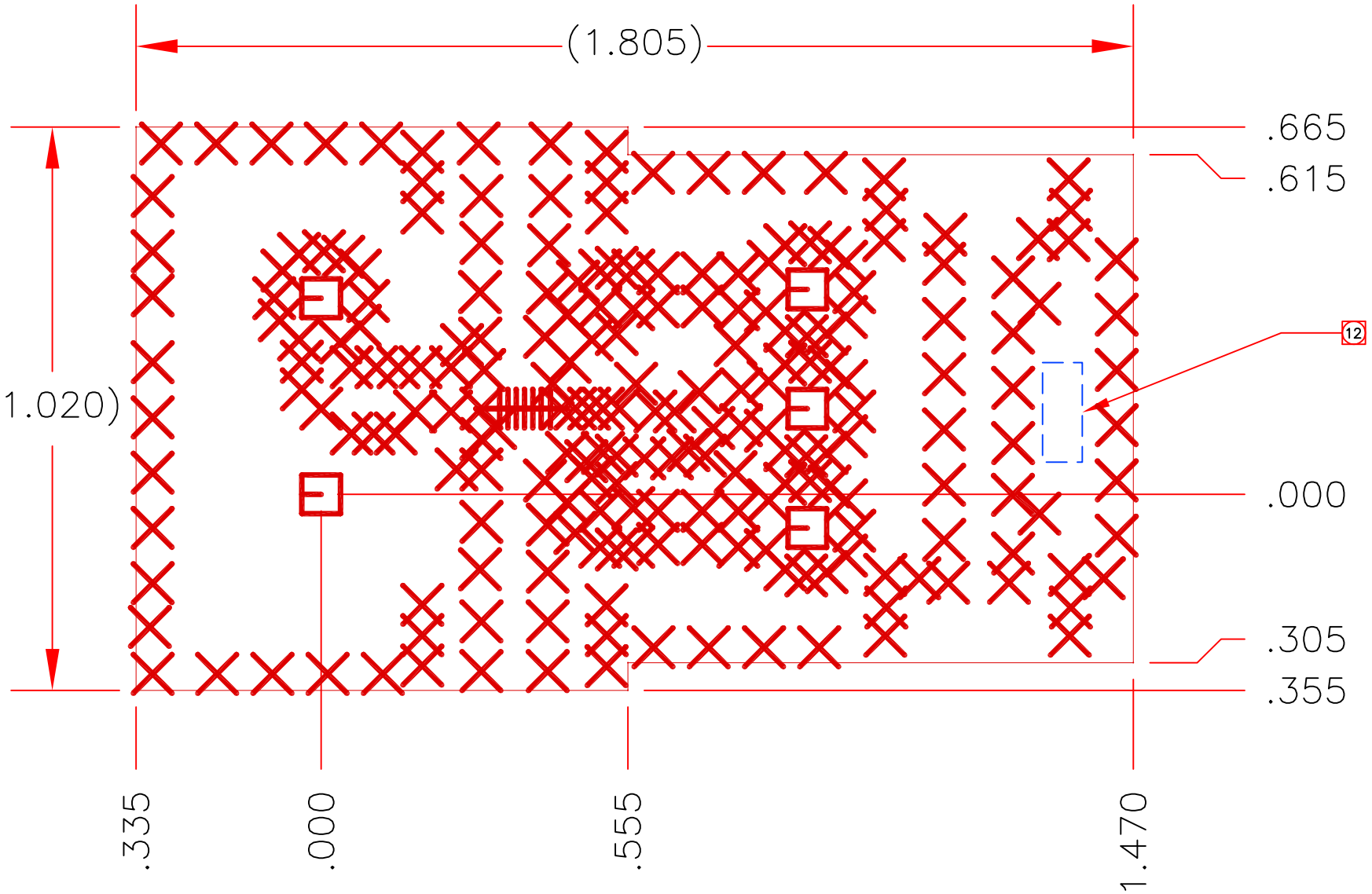
REVISION				
REV	DESCRIPTION	DCN	DATE	BY/APPD
1	NEW U1 PINOUT		092414	TAP/SK

COMPONENT SIDE

NOTES UNLESS OTHERWISE SPECIFIED:

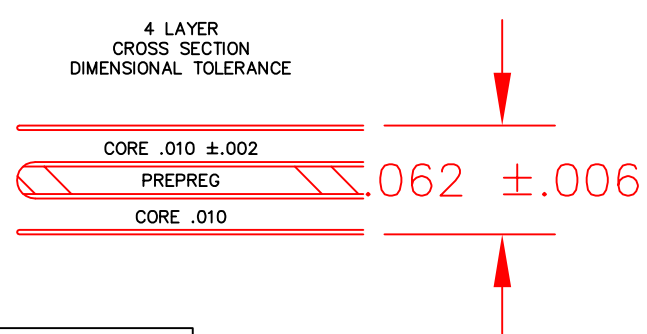
1. FABRICATE IAW IPC-6012, CLASS 2, CURRENT REVISION.
2. BOARD SHALL MEET THE INSPECTION CRITERIA OF IPC-A-600 CLASS 2, CURRENT REVISION.
3. USE ARTWORK 1121181AW CURRENT REV.
4. MATERIAL: CORE=ROGERS 4350B, PREPREG=ROGERS 4450F. RoHS COMPLIANT. SEE LAYER STACK-UP BELOW.
5. FINISHED WEIGHT OF ALL COPPER LAYERS SHALL BE 1 OZ. PER SQUARE FOOT NOMINAL.
6. DESMEAR HOLES AND VIAS.
7. FINISH: ELECTROLESS NI IMMERSION AU (ENIG). GOLD PLATING THICKNESS TO BE BETWEEN 3 – 8 MICROINCHES.
8. SILKSCREEN TOP SIDE 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, 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 LOT NUMBER/DATE CODE (NO LOGO) SHALL ONLY BE SILKSCREENED WITH NON-CONDUCTIVE EPOXY INK IN APPROX. LOCATION SHOWN.
13. PROVIDE ONE THRU BOARD EACH BUILD FROM THAT BUILD. SEE PAGE 2. USE THRU GERBER.



4 LAYER CROSS SECTION FILM SET (5)

LAYER 1 – COMP SIDE		1 OZ. CU
LAYER 2 – GND PLANE	CORE ROGERS 4350B	1 OZ. CU
LAYER 3 – INTERNAL SIGNAL	PREPREG ROGERS 4450F	1 OZ. CU
LAYER 4 – BOTTOM SIDE	CORE ROGERS 4350B	1 OZ. CU

4 LAYER CROSS SECTION DIMENSIONAL TOLERANCE



HOLE SCHEDULE (ALL PLATED THRU DIAMETERS ARE AFTER PLATING)			
SYM	DESCRIPTION	PLATED THRU	QTY
+	ø.006 +.003/-.010 THRU	YES	7
X	ø.010 +.003/-.010 THRU	YES	214
◱	ø.060 ±.003 THRU	YES	5

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, XXX DEC ± .005, FINISH 63 RMS, ANGLES ± 0° 30'

TriQuint SEMICONDUCTOR SAN JOSE, CALIFORNIA

MATERIAL: (4)

FINAL PROTECTIVE FINISH: (7)

DR	K. KELSEN	7-10-14
CHK		
ENG	S. KAPILAVAI	7-10-14
MFG		
QA		
TF		
CONT NO.		

PRINTED CIRCUIT BOARD
TQL9063

SIZE	CAGE CODE		REV
D	14482	1121181PC	1

SCALE NONE W/O NO. SHEET 1 OF 2

TriQuint SEMICONDUCTOR PROPRIETARY INFORMATION

1121181PC