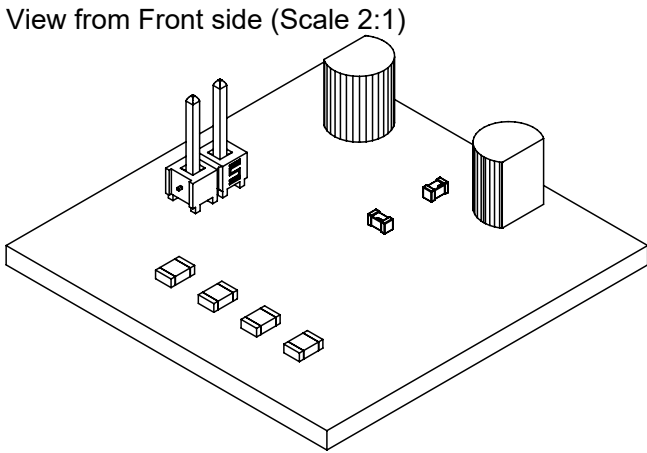
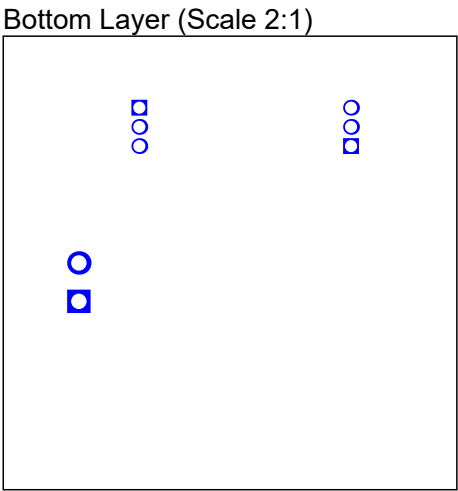
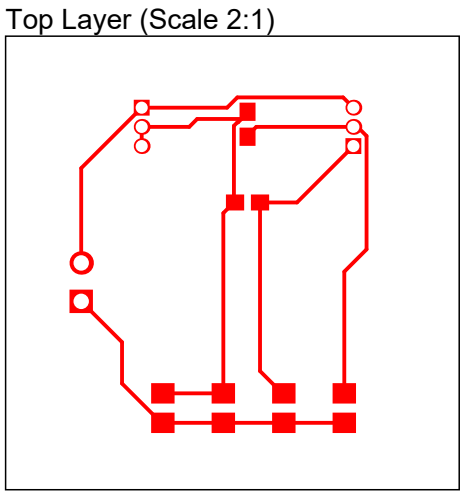
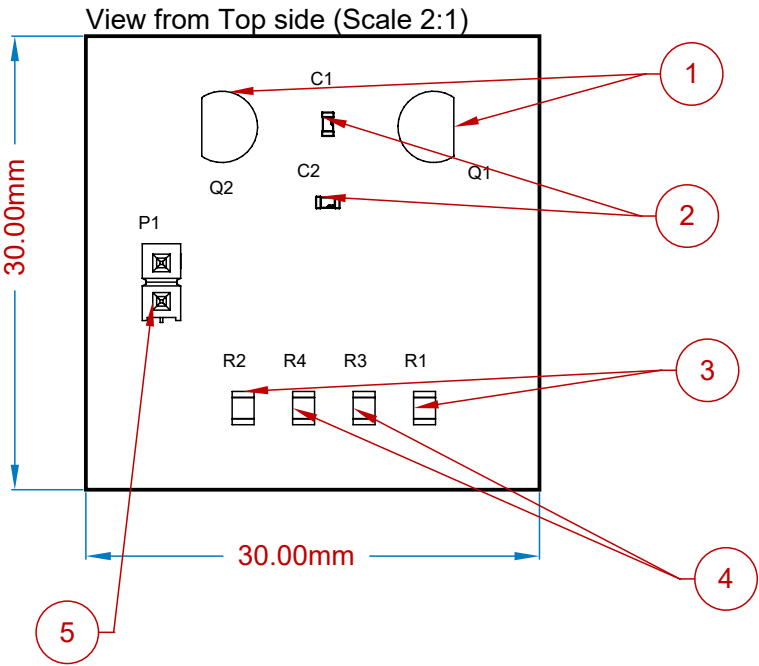


THIS DOCUMENT AND THE DATA DISCLOSED HEREIN OR HEREWITH IS THE PROPERTY OF ALTium LIMITED AND MAY BE FREELY DISTRIBUTED IN WHOLE. NO RIGHTS ARE RESERVED OR EXPRESS OR IMPLIED WARANTEE GIVEN.

REV STATUS OF SHEETS	REV											REVISIONS				
	SHEET										ZONE	REV	DESCRIPTION	DATE	APPROVED	

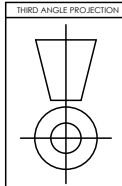


Bill Of Materials

Line #	Designator	Name	Quantity	Description
1	Q1, Q2	BC547CG	2	Small Signal Bipolar Transistor, 0.1A I(C), 45V V(BR)CEO, 1-Element, NPN, Silicon, TO-92
2	C1, C2	Capacitor 22nF +/-5% 16V 0603	2	Ceramic Capacitor, Multilayer, Ceramic, 16V, 5% +Tol, 5% -Tol, X7R, 15% TC, 0.022uF, Surface Mount, 0603
3	R1, R2	Resistor 100K +/-5% 0805 125 mW	2	Fixed Resistor, Metal Glaze/thick Film, 0.125W, 100000ohm, 150V, 5% +/-Tol, 200ppm/Cel, Surface Mount, 0805
4	R3, R4	Resistor 1K +/-5% 0805 500 mW	2	Fixed Resistor, Metal Glaze/thick Film, 0.125W, 1000ohm, 150V, 5% +/-Tol, 200ppm/Cel, Surface Mount, 0805
5	P1	connector male straight	1	Board Connector, 2 Contact(s), 1 Row(s), Male, Straight, 0.1 inch Pitch, Solder Terminal, Black Insulator

Layer Stack Legend

Material	Layer	Thickness	Dielectric Material	Type	Gerber
	Top Overlay			Legend	GTO
	Surface Material	0.03mm	SM-001	Solder Mask	GTS
CF-004	Top Layer	0.04mm		Signal	GTL
Core		1.50mm	Core-043	Dielectric	
CF-004	Bottom Layer	0.04mm		Signal	GBL
	Bottom Solder	0.03mm	SM-001	Solder Mask	GBS
	Bottom Overlay			Legend	GBO
Total thickness: 1.62mm					



PART NO: =PCB_PART_NUMBER		APPROVALS		DATE			=Address1 =Address2 =Address3 =Address4	
ENGINEER:	=PCB_ENGINEER	=PCB_ENGINEER		=PCB_ENGINEER				
DESIGNER:	=PCB_DESIGNER	=PCB_DESIGNER		=PCB_DESIGNER				
CHECKER:	=PCB_CHECKER	=PCB_CHECKER		=PCB_CHECKER				
Reference Documents		BOM DOC: =DOC_NO_BOM		ASSY DOC: =DOC_NO_FAB_DWG	SCH DOC: =DOC_NO_SCH_DWG		PCB DOC: =PCB_DWG_NO	
THIRD ANGLE PROJECTION		NEXT ASSY		USED ON	APPLICATION		DESIGN ITEM: ASM-Multivibrator-[NO]	
							DESIGN ITEM REVISION: A.3	
							TITLE: =PCB_TITLE_1 =PCB_TITLE_2	
							SIZE: B CAGE CODE: =CAGE_CO	
							DWG NO: =DWG_NO	
							SCALE: FILE NAME: Multivibrator.PCBDwf	
							SHEET: 1 OF 1	