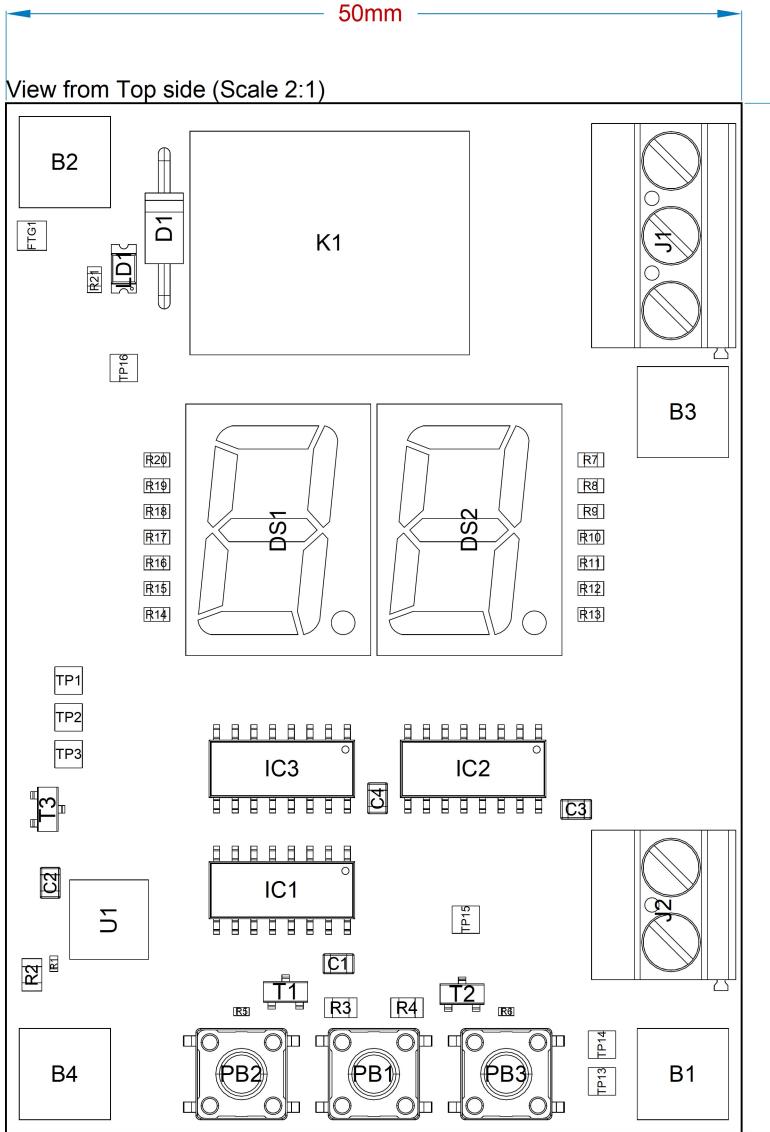
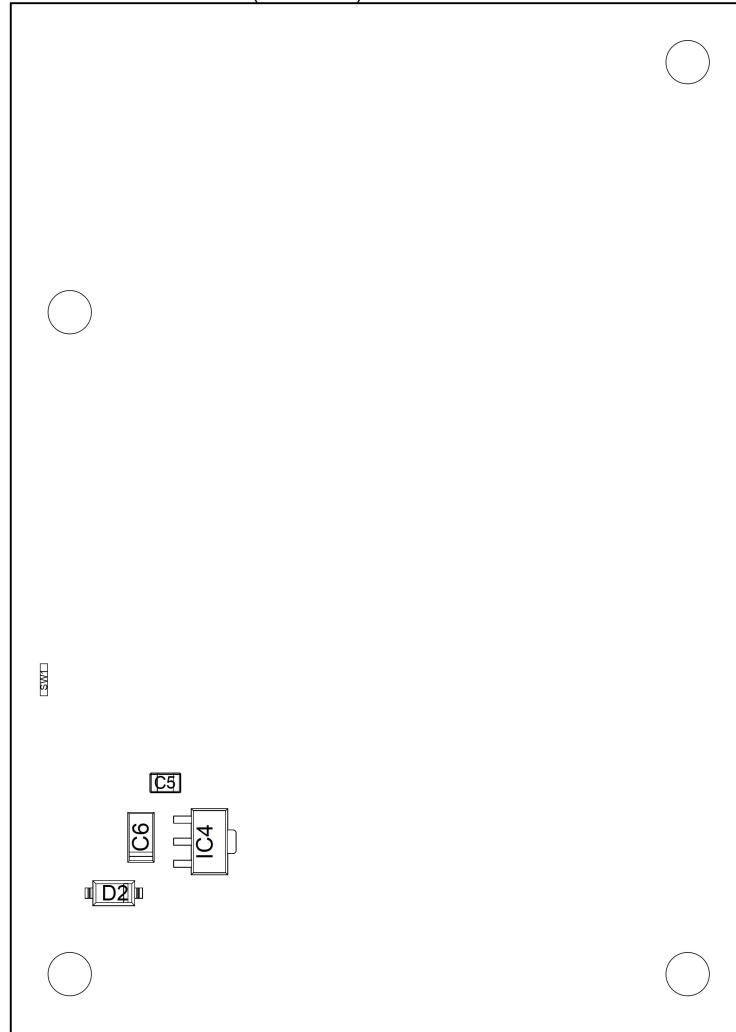


A

B

C

D

**View from Bottom side (Scale 2:1)**

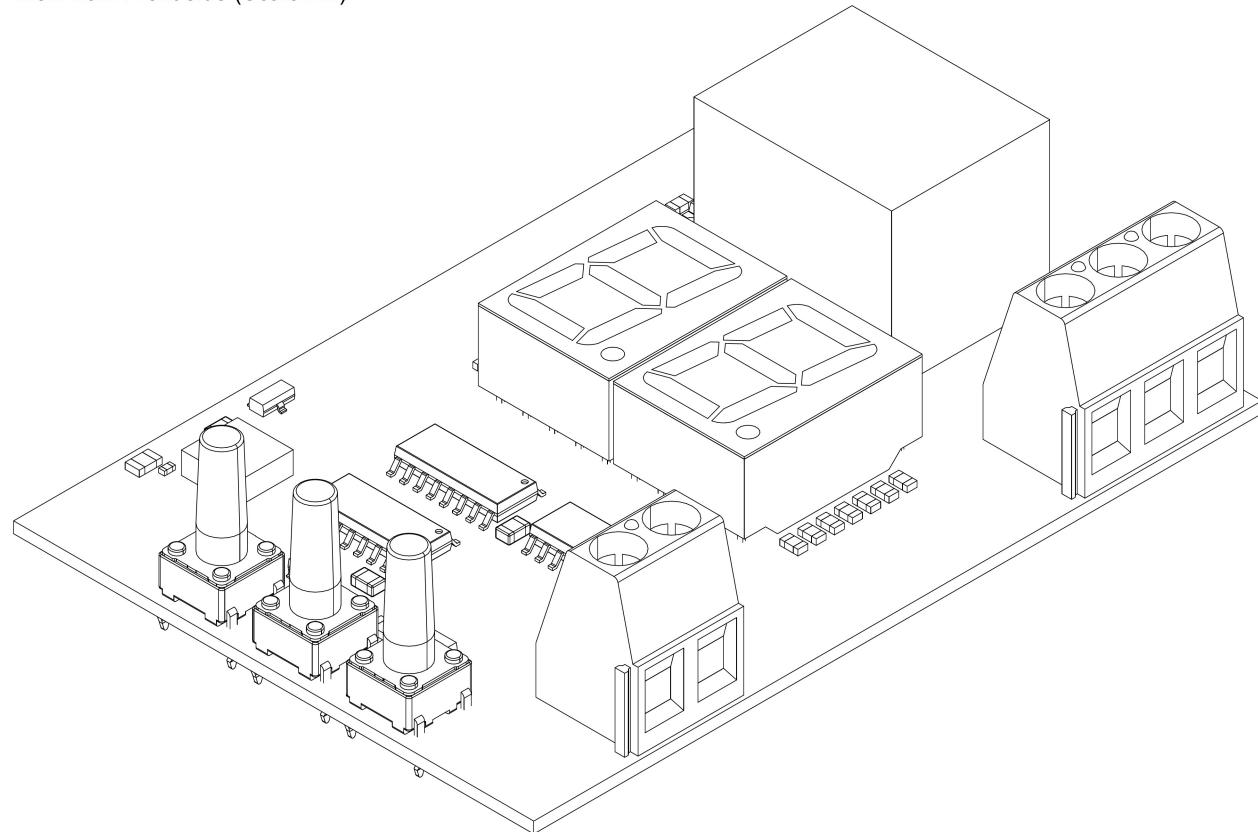
A

B

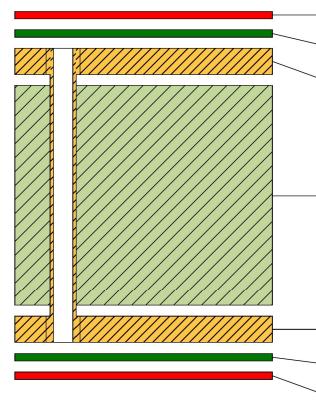
C

D

View from Front side (Scale 2:1)



Layer Stack Legend



Material	Layer	Thickness	Dielectric Material	Type	Gerber
Top Overlay	Top Layer	0mm	Solder Resist	Legend	GTO
Surface Material	Top Solder	0mm	Solder Mask	GTS	
Copper	Top Layer	0mm	Signal	GTL	
		1mm	FR-4	Dielectric	
Copper	Bottom Layer	0mm	Signal	GBL	
Surface Material	Bottom Solder	0mm	Solder Resist	GBS	
	Bottom Overlay		Legend	GBO	

Total thickness: 1mm

A

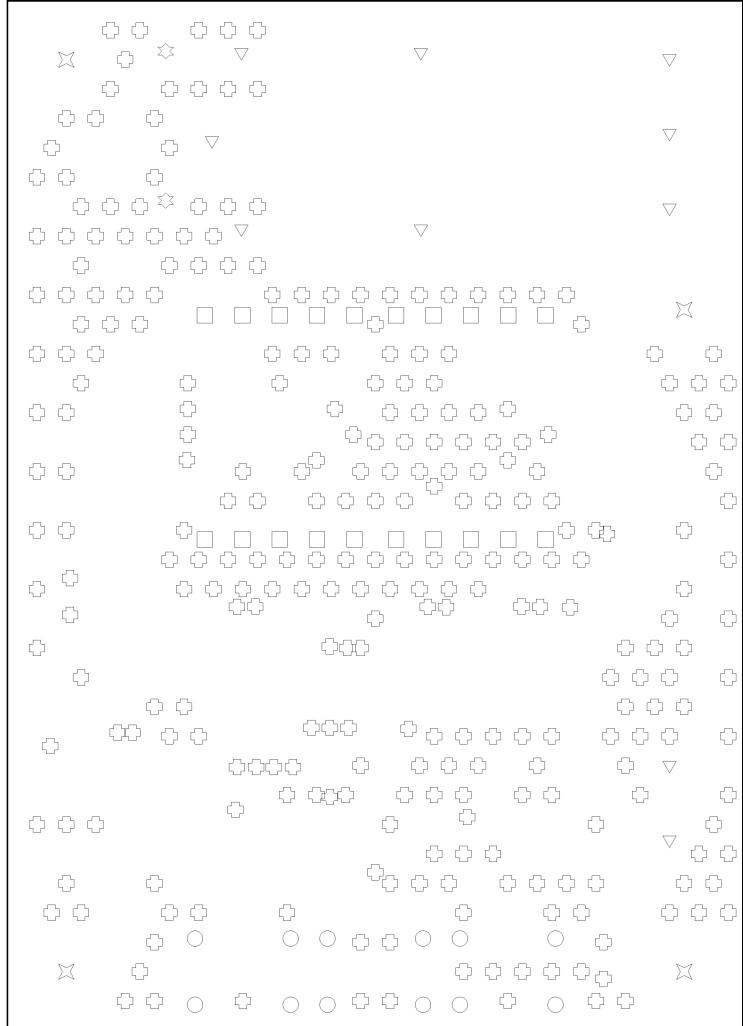
B

C

D

1

Drill Drawing View (Scale 2:1)



2

3

4

1

2

3

4

Bill Of Materials

Line #	Designator	Comment	Quantity
1	B1, B2, B3, B4	Plated Hole	4
2	C1, C2, C3, C4	100nF	4
3	C5	1uF	1
4	C6	10uF	1
5	D1	1N4007	1
6	D2	MBR0530PbF	1
7	DS1, DS2	HDSP-H153	2
8	FTG1	Use only in PCB	1
9	IC1	74HC595D	1
10	IC2, IC3	74HCT4511D,652	2
11	IC4	L78L05ACUTR	1
12	J1		1
13	J2		1
14	K1	HF3FF_005-1ZST	1
15	LD1	Red	1
16	PB1, PB2, PB3	Push Button	3
17	R1, R5, R6	1k	3
18	R2, R3, R4	10k	3
19	R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21	270	15
20	SW1	Switch	1
21	T1, T2	BC857B	2
22	T3	BC847B	1
23	TP1, TP2, TP3, TP13, TP14, TP15, TP16	Test Point	7
24	U1	ATtiny12-8SU	1

Drill Table

Symbol	Count	Hole Size	Plated	Hole Tolerance
+	285	0mm	Plated	
□	20	1mm	Plated	
○	12	1mm	Plated	
★	2	1mm	Plated	
▽	10	1mm	Plated	
☒	4	3mm	Plated	
333 Total				

A

B

C

D