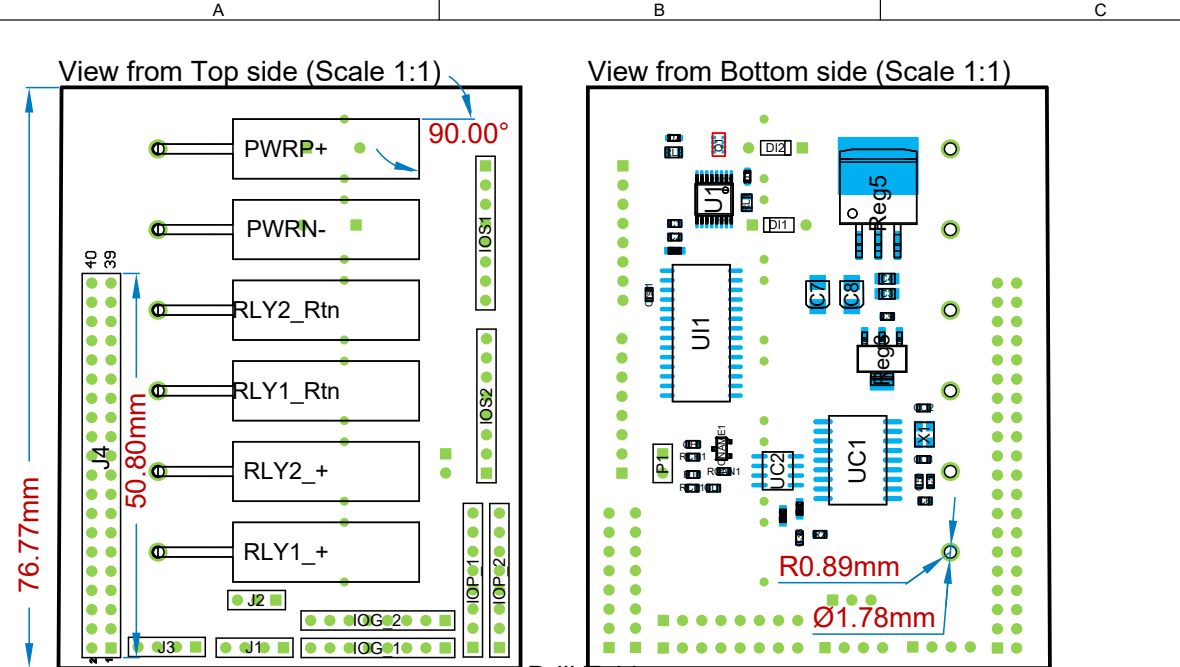


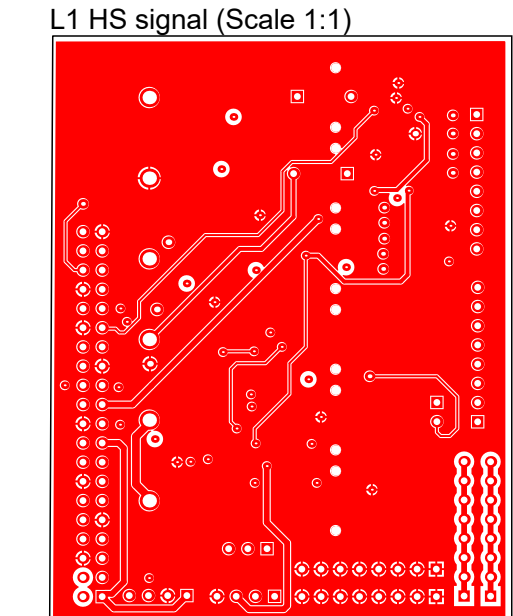
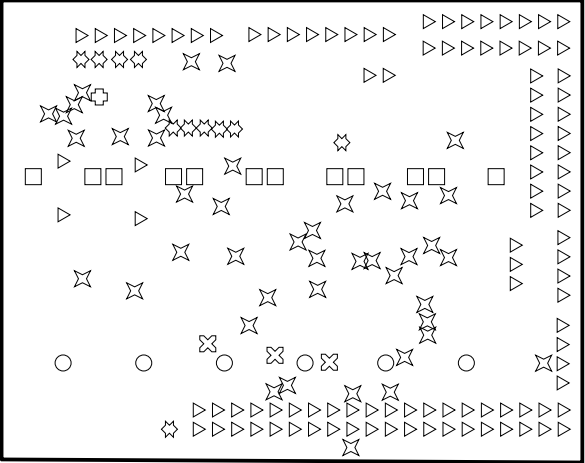
Note: Use 11455P2 -staple to fasten Anderson Connectors



Drill Table

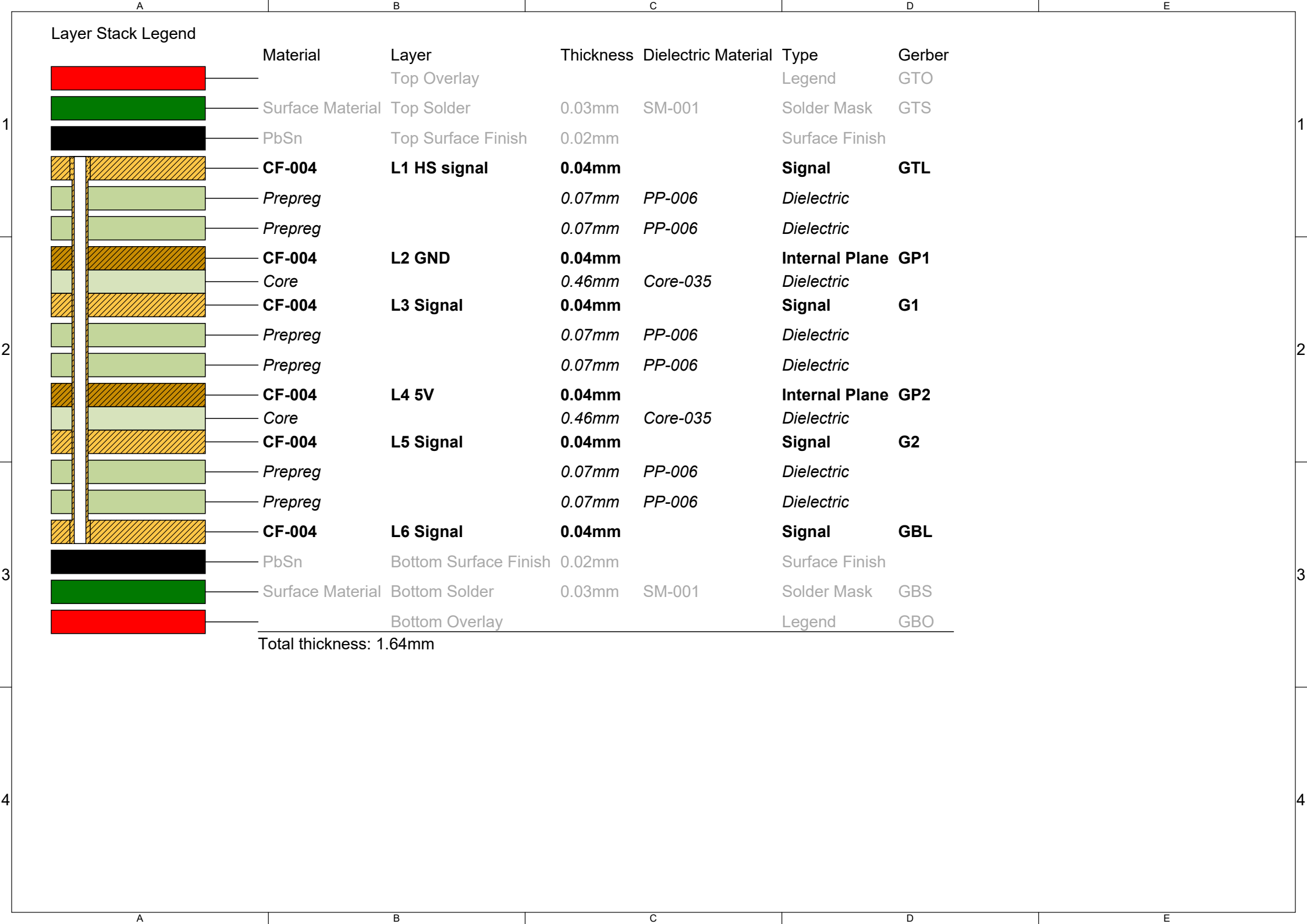
Symbol	Count	Hole Size	Plated	Hole Tolerance
✕	45	0.25mm	Plated	
☆	11	0.51mm	Plated	
⊕	1	0.71mm	Plated	
⊗	3	0.76mm	Plated	
▽	105	0.90mm	Plated	
□	12	1.19mm	Non-Plated	
○	6	1.78mm	Plated	
	183 Total			

Drill Drawing View (Scale 1:1)

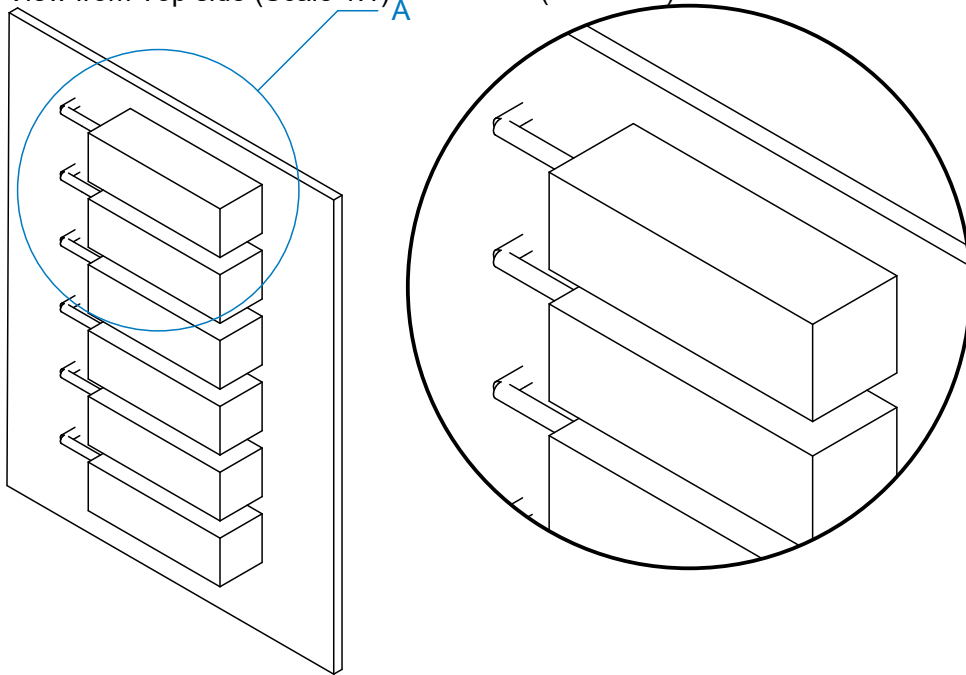


Bill Of Materials

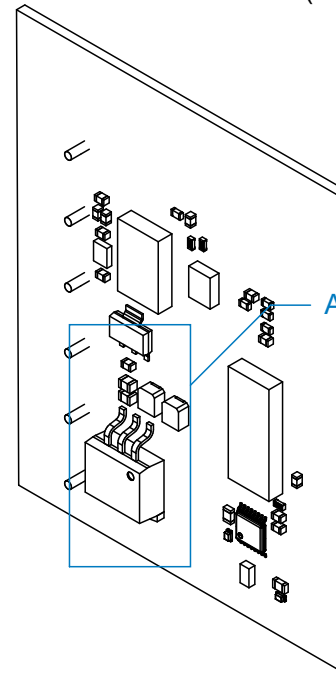
Line #	Designator	Comment	Quantity
1		100V 1A Fast Diode	1
2	C1, C2, C6, Crst1	100nF 50V	4
3	C3, C4	10µF	2
4	C5	100nF 50V	1
5	C7, C8	33uF, 10uF	2
6	C9	100nF 50V	1
7	C33	0.1uF	1
8	C51	0.1uF	1
9	CH1, CL1	560pF 25V 0603	2
10	CO1	22pF	1
11	CO2	22pF	1
12	D1, D2	LED Red	2
13	DI1, DI2	100V 1A Fast Diode	2
14	IOG_1, IOG_2, IOP_1, IOP_2, IOS1, IOS2	Header 8	6
15	J1, J3	Header 4	2
16	J2	Header 3	1
17	J4	Header 20X2	1
18	P1	Header 2	1
19	PWRN-	BLK_PCB_RHT	1
20	PWRP+	RED_PCB_RHT	1
21	Q1	NTHD4508NT1	1
22	R1, R3, R4	10K/1% - 0.1W	3
23	R2	22K	1
24	RCAN1	4.7K	1
25	RCH1, RCL1	100	2
26	Reg3	3.3V	1
27	Reg5	LM1084IS-5.0/NOPB	1
28	RL1, RL2	1K 0805	2
29	RLY1_+, RLY2_+	Anderson-1Pin RED_PCB_RHT	2
30	RLY1_Rtn, RLY2_Rtn	Anderson-1Pin BLK_PCB_RHT	2
31	RT1	22K	1
32	U1	CD40109BPW	1
33	UC1	MCP2515-E/SO	1
34	UC2	MCP2551-E/SN	1
35	UI1	MCP23S17T-E/SO	1
36	X1	21C00047-16.000MHz	1



View from Top side (Scale 1:1) DETAIL A (Scale 2:1)



View from Bottom side (Scale 1:1)



DETAIL A (Scale 2:1)

