

A

B

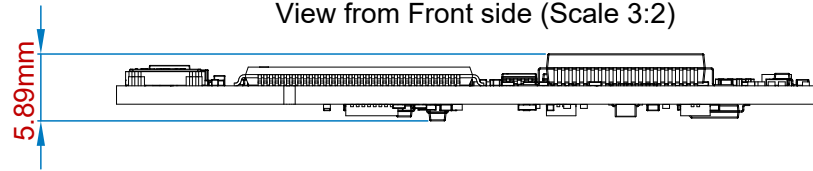
C

D

E

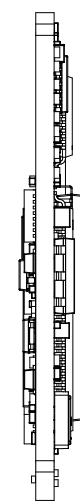
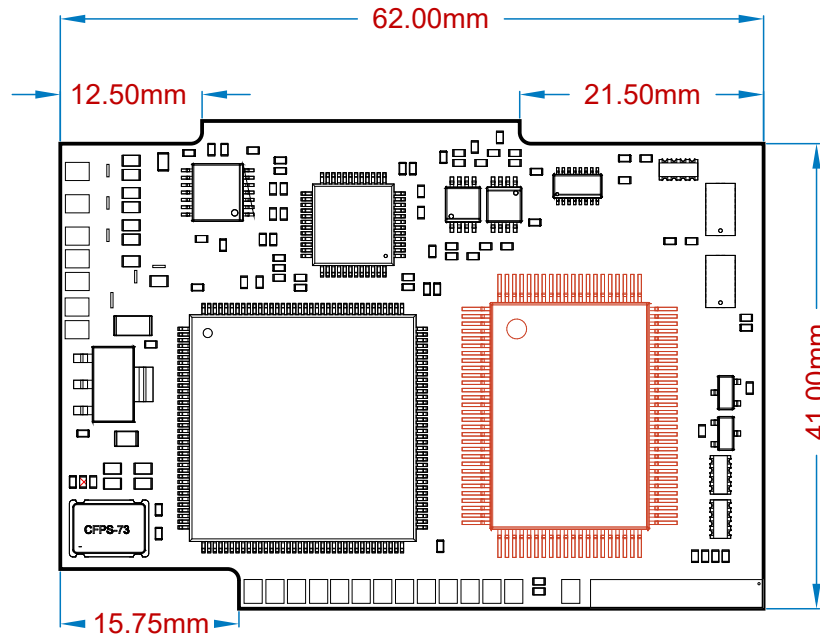
1

View from Front side (Scale 3:2)

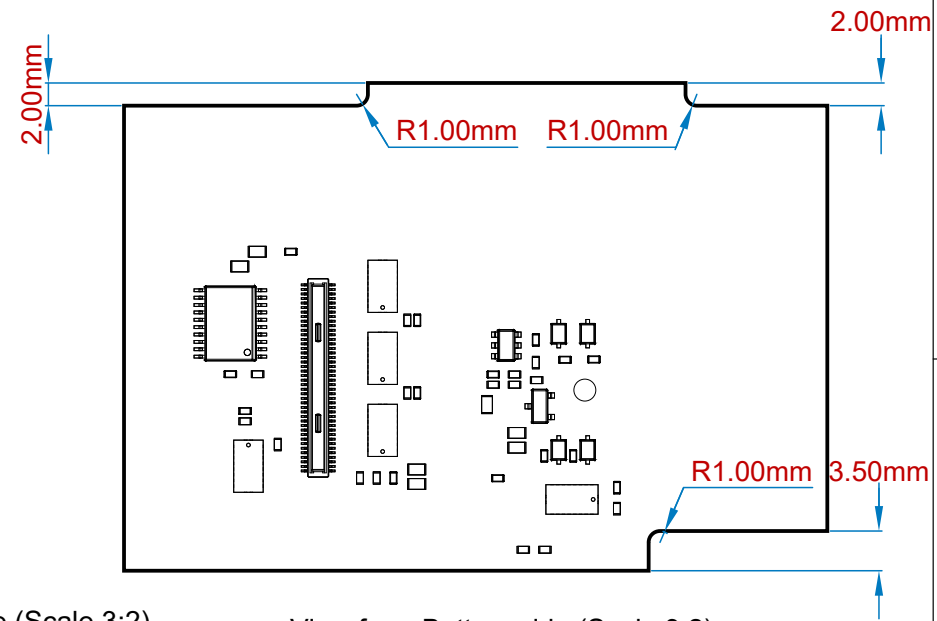


1

2



2



3

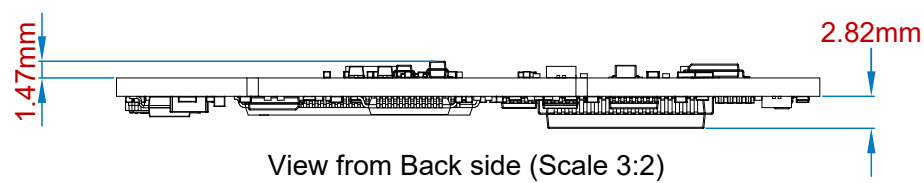
View from Right side (Scale 3:2)

View from Top side (Scale 3:2)

View from Left side (Scale 3:2)

View from Bottom side (Scale 3:2)

4



View from Back side (Scale 3:2)

4

A

B

C

D

E

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A

B

C

D

E

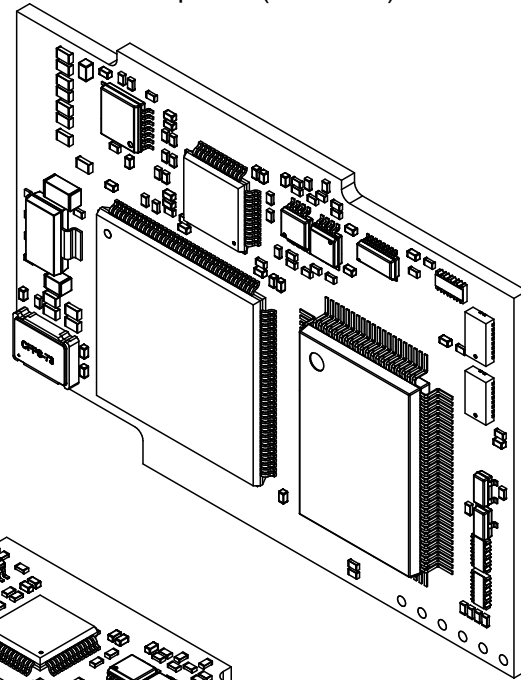
1

2

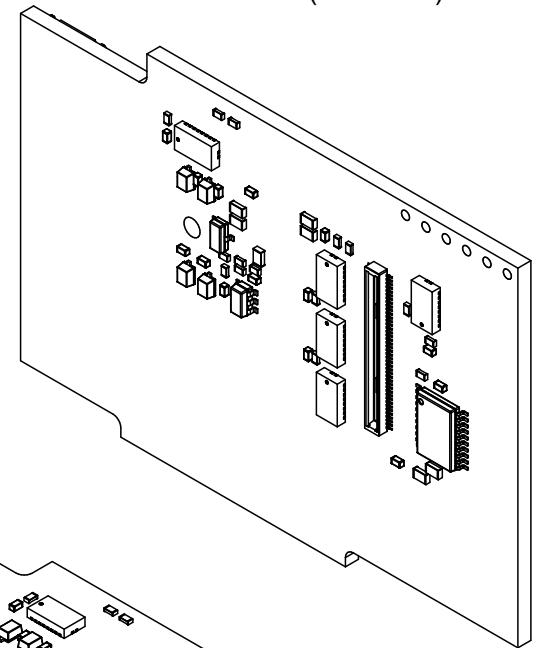
3

4

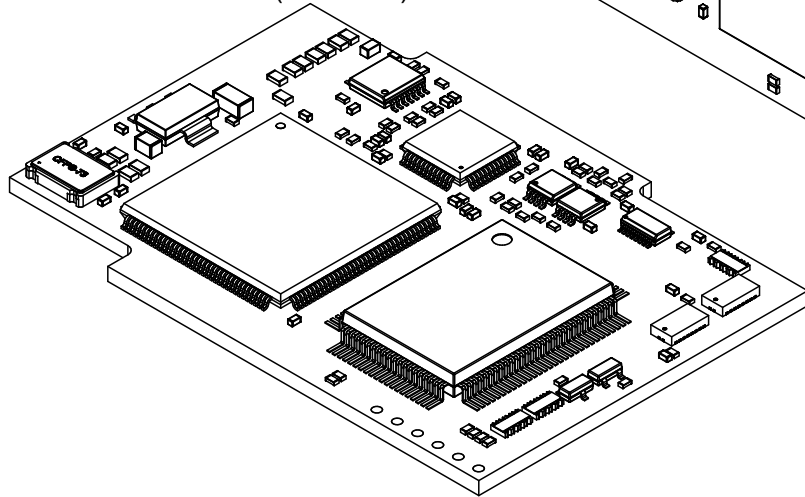
View from Top side (Scale 3:2)



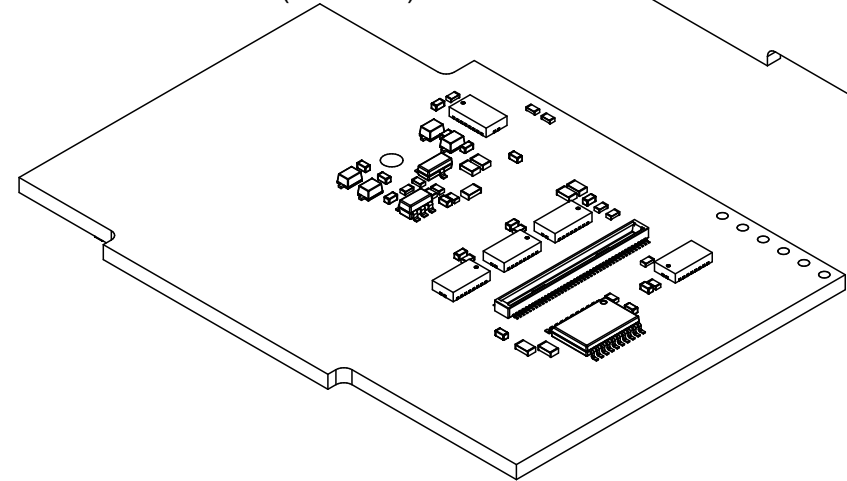
View from Bottom side (Scale 3:2)



View from Front side (Scale 3:2)



View from Back side (Scale 3:2)



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A

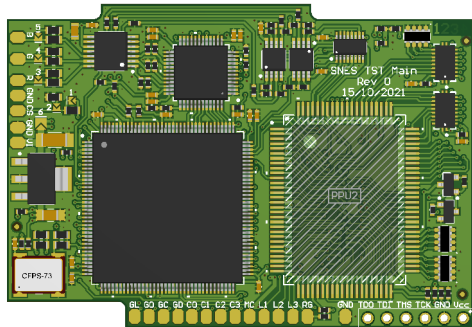
B

C

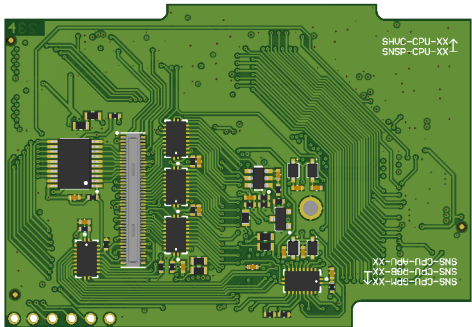
D

E

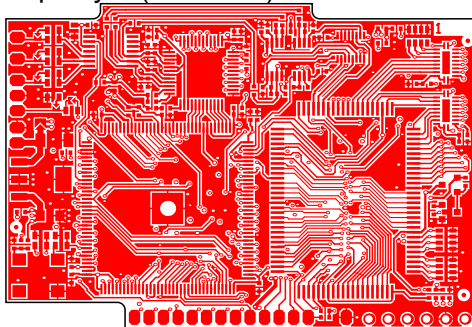
Realistic View



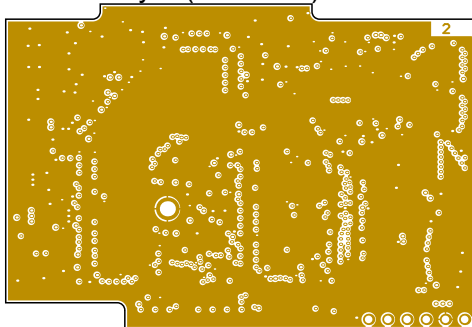
Realistic View



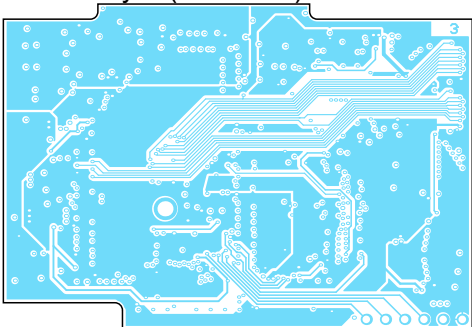
Top Layer (Scale 1:1)



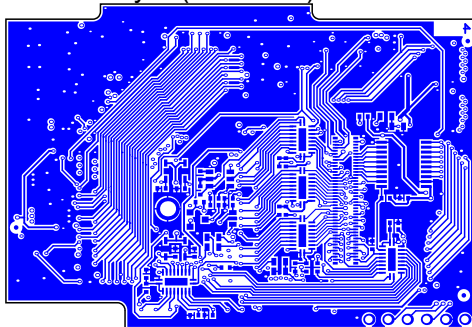
Ground Layer (Scale 1:1)



Power Layer (Scale 1:1)



Bottom Layer (Scale 1:1)



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A			B			C			D			E		
Bill Of Materials SNES TST														
Pos #	Quantity	Designator	Value	Tolerance	Nominal Voltage	Dielectric	Footprint	Vendor	Part Number					
1	27	C1, C2, C3, C4, C5, C6, C11, C12, C13, C14, C15, C16, C17, C18, C19, C20, C21, C22, C23, C24, C25, C26, C27, C28, C29, C30, C32	100nF	+ -20%	10V	X7R	Cap_0402_Chip							
2	4	C7, C8, C9, C10	10pF	+ -20%	10V	X7R	Cap_0402_Chip							
3	3	C31, C33, C34	10nF	+ -20%	10V	X7R	Cap_0402_Chip							
4	1	C35	1uF	+ -20%	10V	X7R	Cap_0603_Chip							
5	1	C36	10uF	+ -20%	10V	X7R	Cap_0805_Chip							
6	1	C37	10uF	+ -20%	25V	X7R	Cap_1206_Chip							
7	4	D1, D2, D3, D4	Schottky Diode				SOD323	Diodes	BAT54WS-7-F					
8	4	FB1, FB2, FB3, FB4	1800Ohm 200mA				Ind_0402_Chip	TDK	MMZ1005S182ET000					
9	1	IC1	10M04SAE144C8G				EQFP-144_A:1P65_	Intel	10M08SAE144C8G					
10	1	IC2	14.318180 MHz				Quarz 7.5mm	IQD Frequency	LFSPXO018538Reel					
11	1	IC3	TMUX1219				SOT23-6	Texas Instruments	TMUX1219DBVR					
12	1	IC5	SN74HCT541				TSSOP20 Narrow	Texas Instruments	SN74HCT541PW					
13	7	IC6, IC7, IC8, IC9, IC10, IC11, IC12	LSF0108				VQFN20	Texas Instruments	LSF0108RKS					
14	2	IC13, IC15	OPA2356				MSOP8	Analog Devices	OPA2356AIDGK					
15	1	IC14	TMUX1574				SOT-23THIN16	Texas Instruments	TMUX1574DYR					
16	1	IC16	ADV7123				ST_48_ADI	Analog Devices Inc	ADV7123KSTZ50					
17	1	IC17	THS7374				TSSOP14	Texas Instruments	THS7374IPW					
18	1	IC18	MCP1703T				SOT223-3	Microchip	MCP1703T-3302E/DB					
19	1	J2	80Pole Connector				DF40C-80DP	Hirose Connector	DF40C-80DP-0.4V(51)					
20	1	Q1	IRLML6402				SOT23_FET	Diodes	IRLML6402					
21	1	Q2	MMBT3904				SOT23_Transistor	Diodes	MMBT3904					
22	1	Q3	BSS138				SOT23_FET	Infenion	BSS138					
23	6	R1, R4, R28, R50, R55, R63	1k	+ -1%			Res_0402_Chip							
24	12	R2, R3, R5, R17, R18, R19, R41, R42, R43, R58, R66, R78	10k	+ -1%			Res_0402_Chip							
25	5	R6, R7, R12, R14, R44	470R	+ -1%			Res_0603_Chip							
26	4	R8, R11, R13, R21	300R	+ -1%			Res_0603_Chip							
27	4	R10, R49, R54, R60	0R				Res_0402_Chip							
28	2	R15, R20	33R	+ -1%			Res_0603_Chip							
29	1	R16	100R	+ -1%			Res_0603_Chip							
30	8	R22, R24, R25, R33, R34, R38, R39, R40	1.8k	+ -1%			Res_0402_Chip							
31	3	R23, R26, R27	10k	+ -1%			1206_Array_Chip							
32	7	R29, R30, R31, R32, R35, R36, R37	200k	+ -1%			Res_0402_Chip							
33	1	R45	1.24k	+ -1%			Res_0402_Chip							
34	4	R46, R52, R57, R65	619R	+ -1%			Res_0402_Chip							
35	1	R47	91R	+ -1%			Res_0603_Chip							
36	4	R48, R53, R59, R81	100k	+ -1%			Res_0402_Chip							
37	3	R51, R56, R64	237R	+ -1%			Res_0402_Chip							
38	1	R61	470R	+ -1%			Res_0402_Chip							
39	1	R62	11R	+ -1%			Res_0402_Chip							
40	6	R67, R68, R69, R70, R77, R79	75R	+ -1%			Res_0603_Chip							
41	6	R71, R72, R73, R74, R75, R76	75R	+ -1%			Res_0402_Chip							
42	3	R80, R82, R83	3.3k	+ -1%			Res_0402_Chip							