

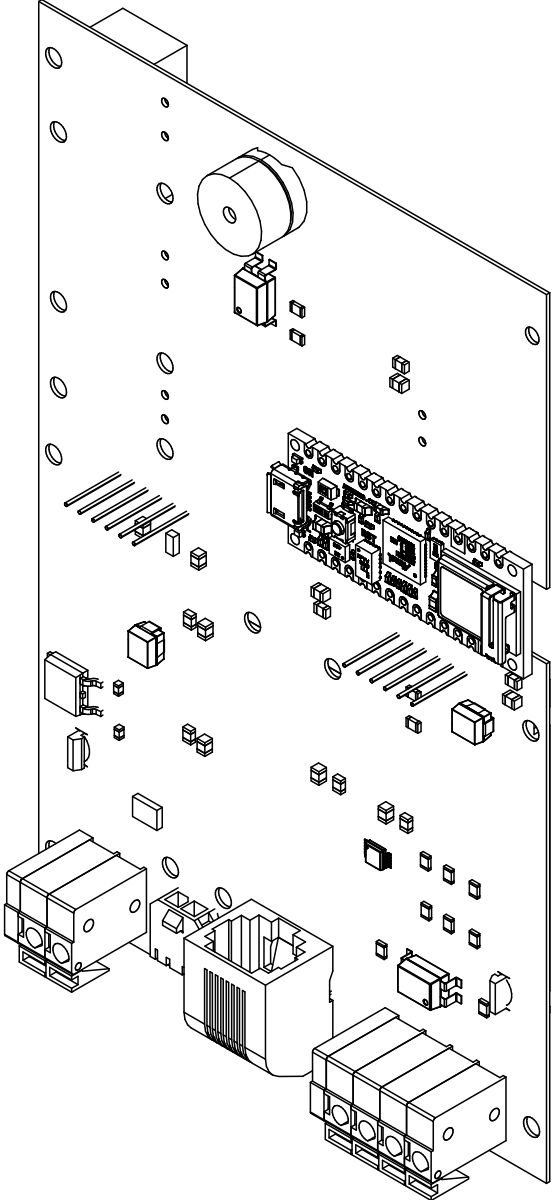
A

B

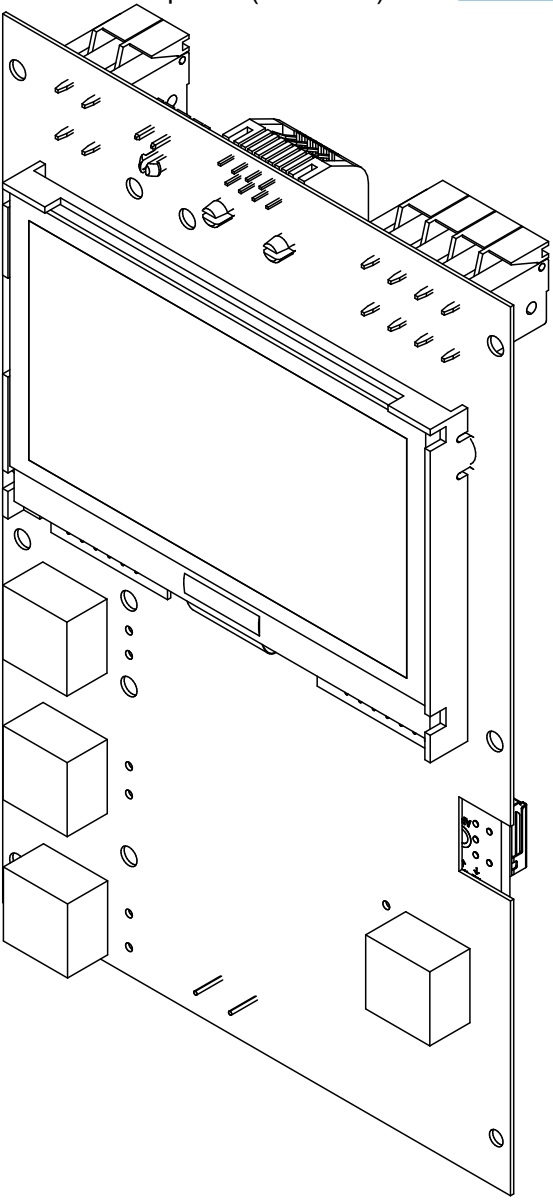
C

D

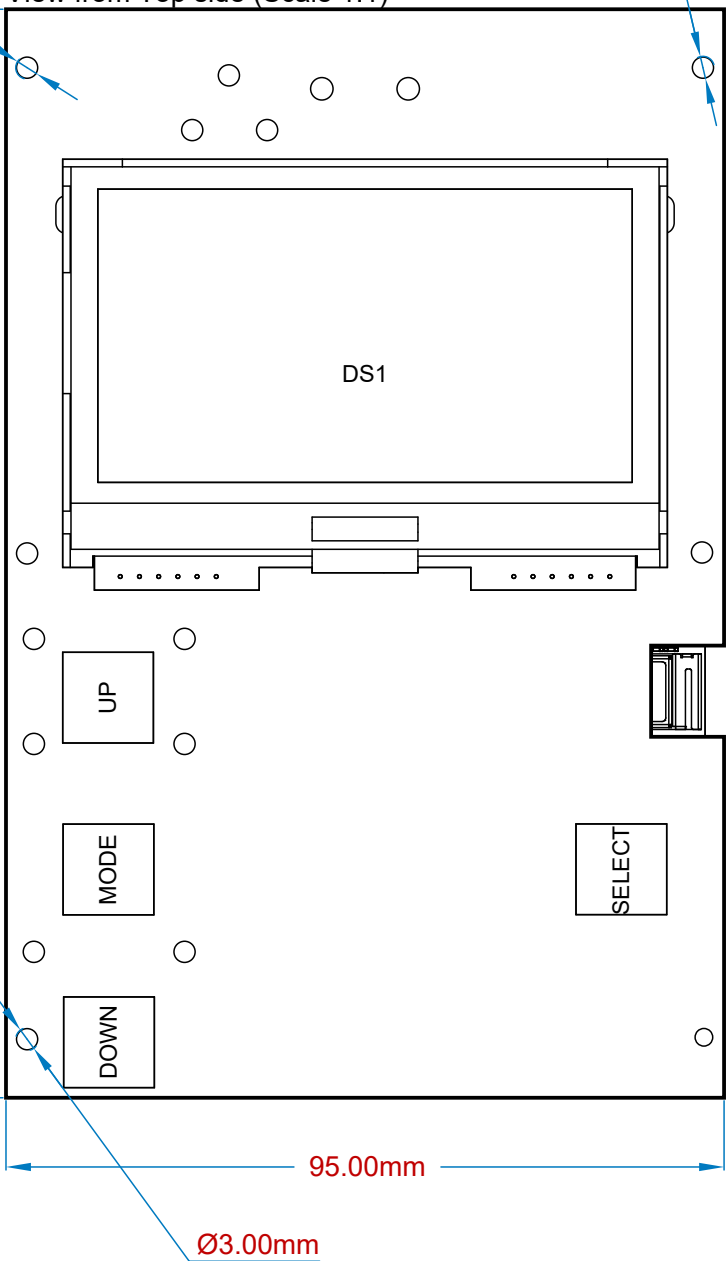
View from Bottom side (Scale 1:1)



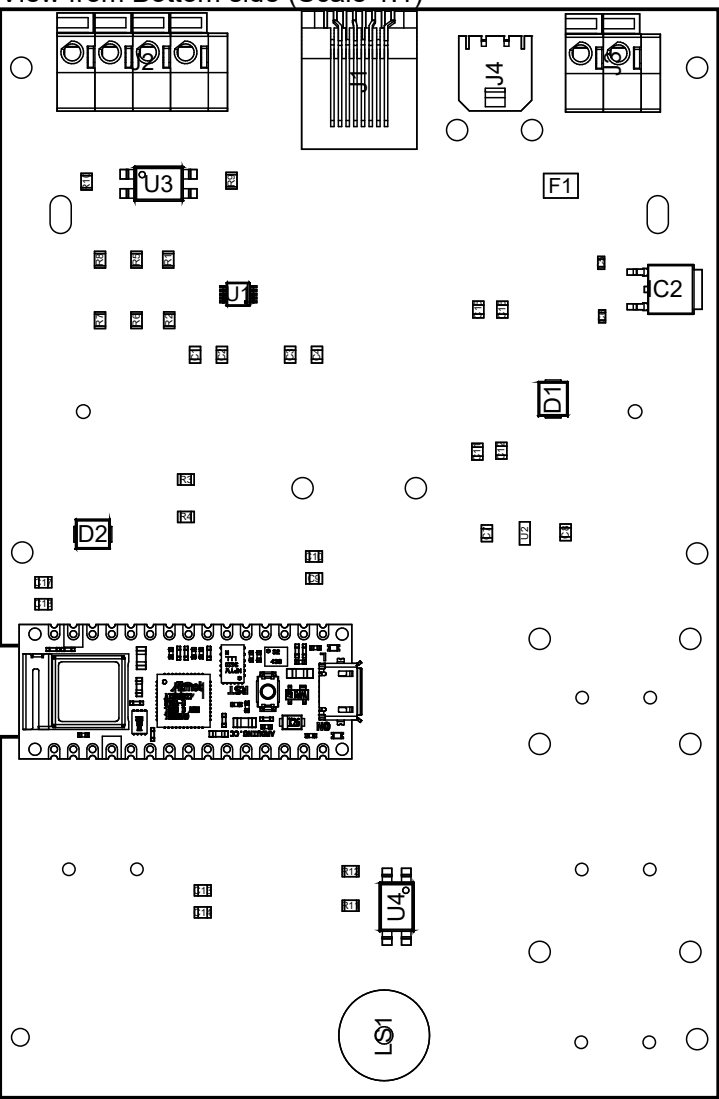
View from Top side (Scale 1:1)



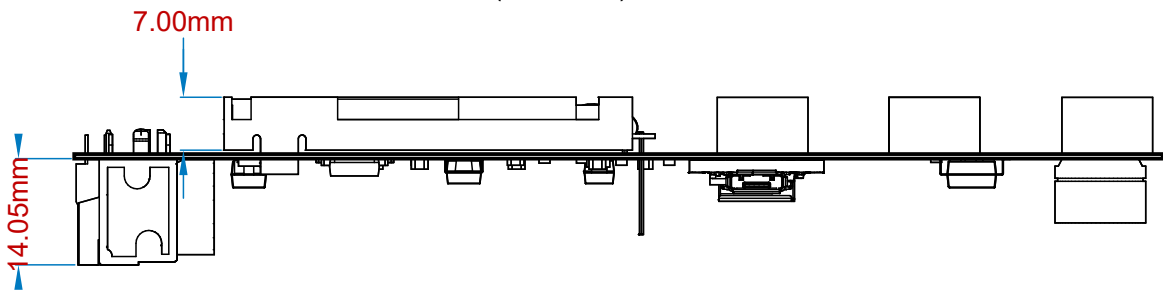
View from Top side (Scale 1:1)



View from Bottom side (Scale 1:1)



View from Left side (Scale 1:1)



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		UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL± ANGULAR: MACH± BEND ± TWO PLACE DECIMAL ± THREE PLACE DECIMAL ± INTERPRET GEOMETRIC TOLERANCING PER: MATERIAL FINISH DO NOT SCALE DRAWING		NAME	DATE	Loowatt Ltd		
			DRAWN	Darvesh	21/10/2020	TITLE  FrontEnd PCB		
			CHECKED					
			ENG APPR.	D.V				
			MFG APPR.	Weller PCB				
			Q.A.			COMMENTS:		
NEXT ASSY	USED ON					SIZE	DWG. NO.	
APPLICATION						1		
						SCALE: 1:1	WEIGHT:	SHEET 1 OF 4

A

B

C

D

Layer Stack Legend

Material	Layer	Thickness	Dielectric Material	Type	Gerber
	Top Overlay			Legend	GTO
Surface Material	Top Solder	0.01mm	Solder Resist	Solder Mask	GTS
Copper	Top Layer	0.04mm		Signal	GTL
Prepreg		0.07mm	PP-006	Dielectric	
CF-004	Layer 1	0.04mm		Signal	G1
		0.32mm	FR-4	Dielectric	
CF-004	Layer 2	0.04mm		Signal	G2
Prepreg		0.07mm	PP-006	Dielectric	
Copper	Bottom Layer	0.04mm		Signal	GBL
Surface Material	Bottom Solder	0.01mm	Solder Resist	Solder Mask	GBS
	Bottom Overlay			Legend	GBO
Total thickness: 0.62mm					

Bill Of Materials

Line #	Designator	Comment	Quantity
1	C1, C3, C10, C12, C14, C16, C18	C0805C104K5RACTU	7
2	C2, C4, C7, C8, C9, C11, C13, C15, C17	C0805C105K3RACTU	9
3	C5, C6	UMK107BJ105KA-T	2
4	D1, D2	LSM115JE3/TR13	2
5	DOWN1, MODE1, SELECT1, UP1	B3F-4055	4
6	DS1	NHD-C12864A1Z-FSB-FBW-HTT	1
7	F1	1812L050/30PR	1
8	IC1	Arduino Nano 33 IoT	1
9	IC2	MC78M05CDTRKG	1
10	J1	615008143721	1
11	J2	691401700004B	1
12	J3	691401700002B	1
13	J4	43650-0200	1
14	LS1	Speak_CUI_CEM-1203_42_ee c	1
15	R1, R2, R7, R8, R9, R10, R11, R12	CRCW0805390RFKEA	8
16	R3, R4	ERA6AEB472V	2
17	R5, R6	CRCW0805100RFKEA	2
18	U1	PCA9615DPJ	1
19	U2	MCP1700T-3302E/TT	1
20	U3, U4	FOD817ASD	2

Cable Assembly : Molex -145132-0201 ( x1 )

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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	Loowatt Ltd		
		DIMENSIONS ARE IN INCHES	DRAWN	Darvesh	21/10/2020	FrontEnd PCB		
		TOLERANCES:	CHECKED					
		FRACTIONAL±	ENG APPR.	D.V				
		ANGULAR: MACH± BEND ±	MFG APPR.	Weller PCB				
		TWO PLACE DECIMAL ±	Q.A.					
		THREE PLACE DECIMAL ±	COMMENTS:			SIZE	DWG. NO. 1	
		INTERPRET GEOMETRIC TOLERANCING PER:						
		MATERIAL						
		FINISH						
NEXT ASSY	USED ON							
APPLICATION		DO NOT SCALE DRAWING				SCALE: 1:1	WEIGHT:	SHEET 2 OF 4



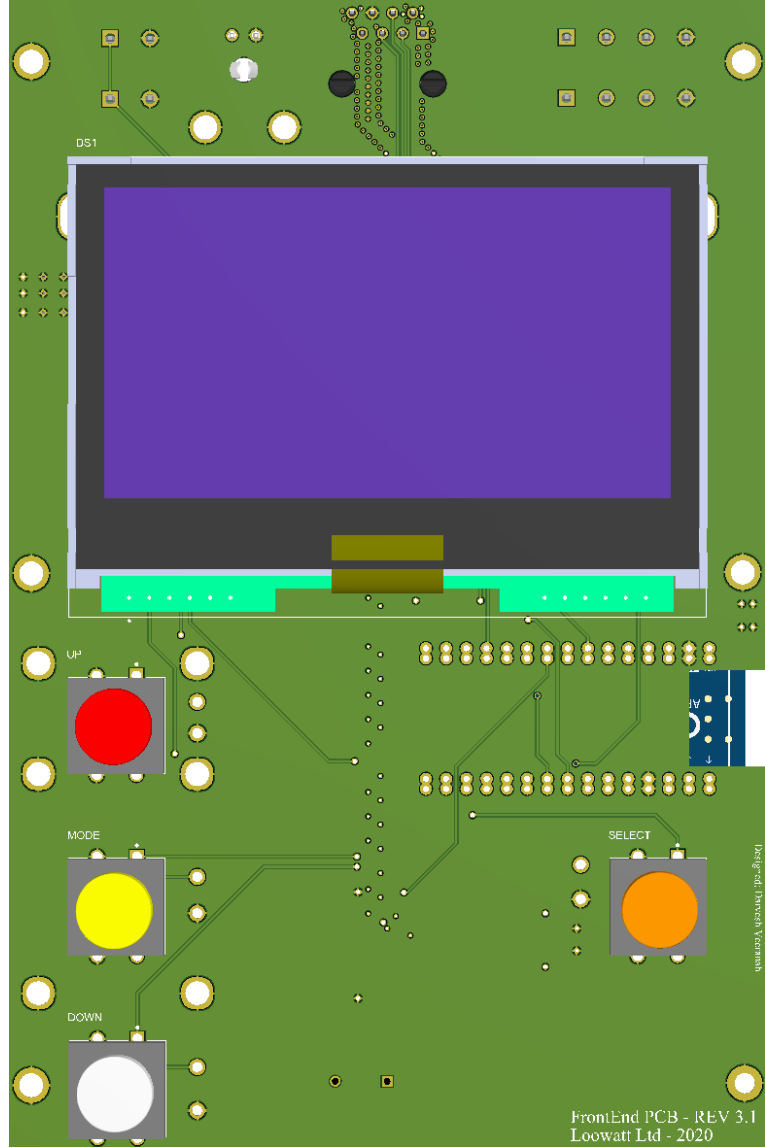
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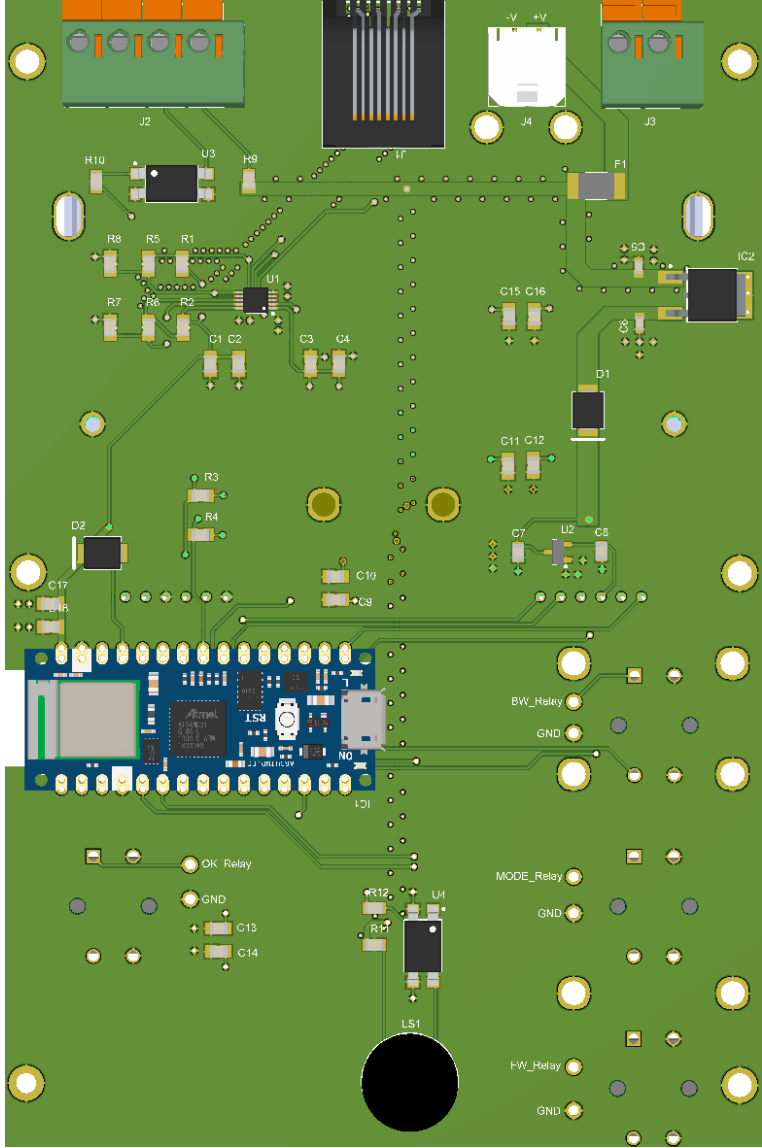
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Realistic View



Realistic View



1

1

2

2

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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	Loowatt Ltd				
		DIMENSIONS ARE IN INCHES	DRAWN	Darvesh	21/10/2020	TITLE  FrontEnd PCB				
		TOLERANCES:	CHECKED							
		FRACTIONAL±	ENG APPR.	D.V						
		ANGULAR: MACH±    BEND ±	MFG APPR.	Weller PCB						
		TWO PLACE DECIMAL ±	Q.A.							
		THREE PLACE DECIMAL ±	COMMENTS:							
		INTERPRET GEOMETRIC				SIZE			DWG. NO.  1	
		TOLERANCING PER:								
		MATERIAL								
NEXT ASSY	USED ON	FINISH								
APPLICATION		DO NOT SCALE DRAWING				SCALE:    1:1	WEIGHT:	SHEET 4 OF 4		

A

B

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D