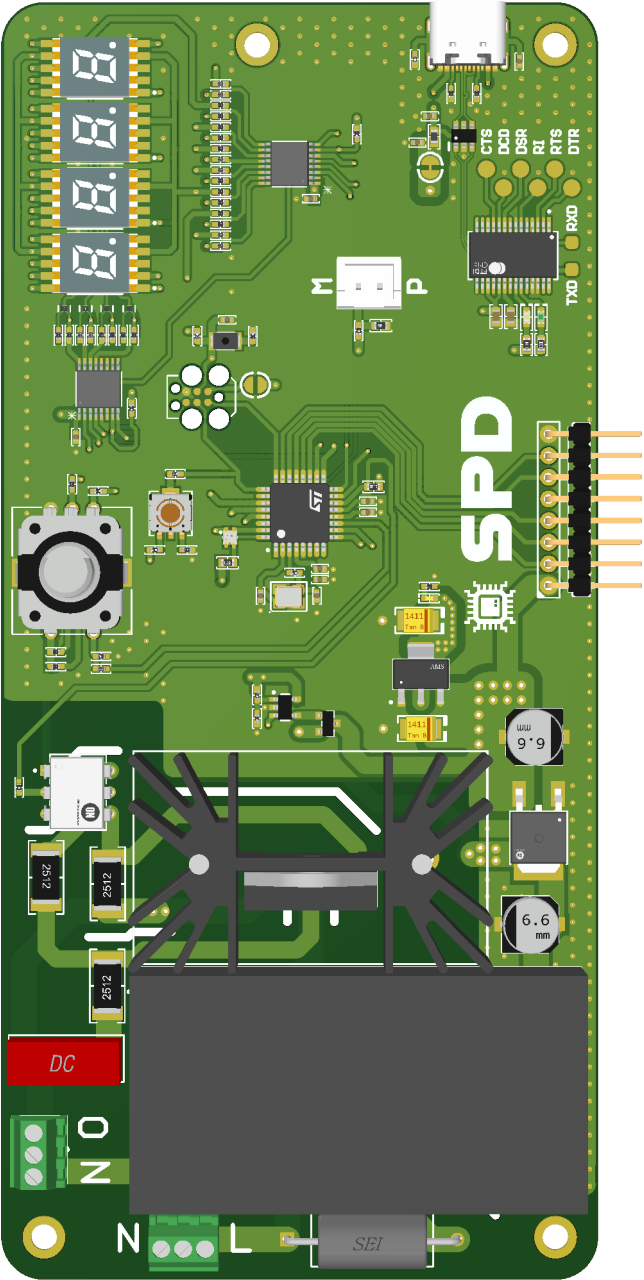
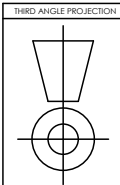
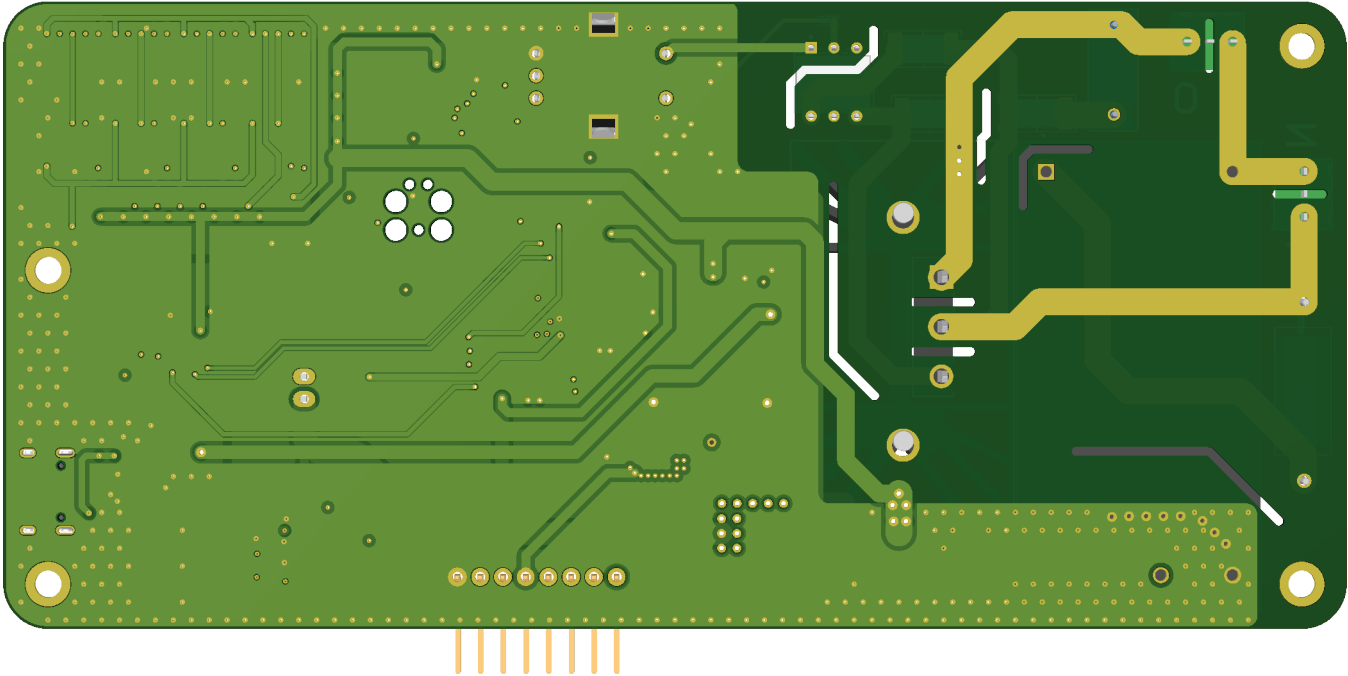


REV STATUS OF SHEETS	REV										REVISIONS				
	SHEET										ZONE	REV	DESCRIPTION	DATE	APPROVED

Realistic View Top




Realistic View Bottom

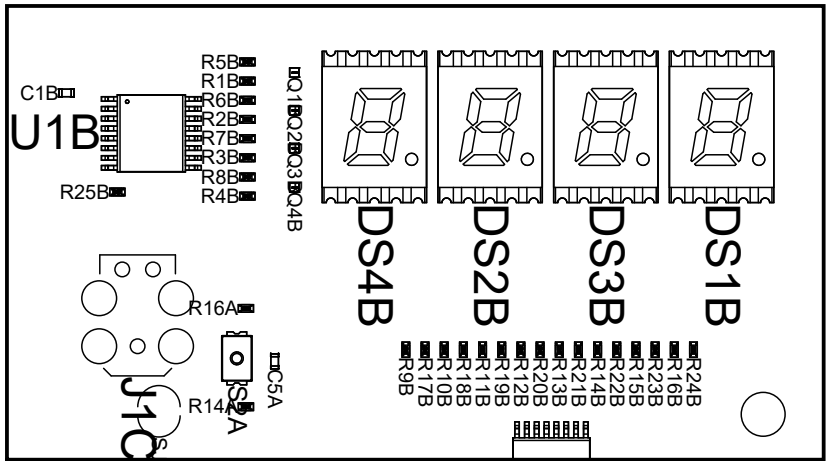
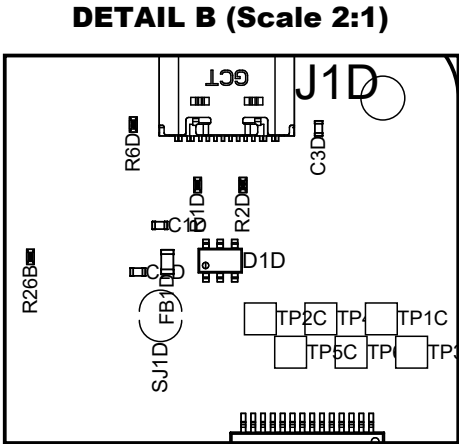
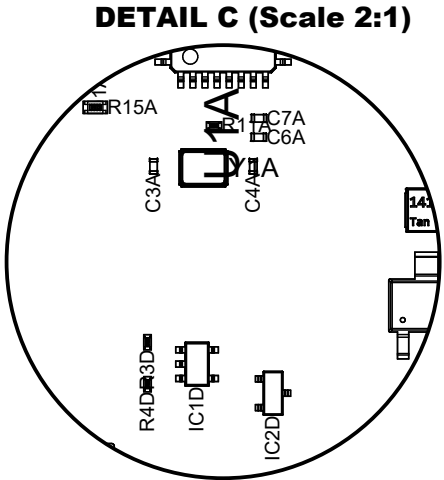
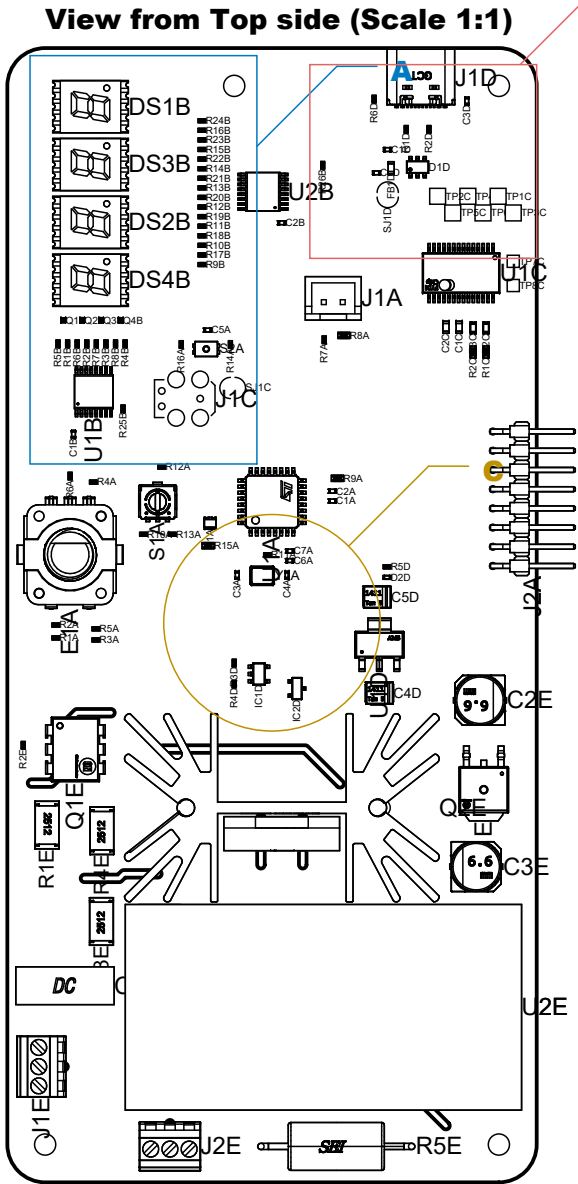


NEXT ASSY	USED ON
APPLICATION	


APPROVALS		DATE
ENGINEER:	DHARAGESWARAN S	06.04.2024
DESIGNER:	DHARAGESWARAN S	06.04.2024
CHECKER:	DHARAGESWARAN S	06.04.2024
Reference Documents		
BOM DOC:	#032024040640	
ASSY DOC:	#032024040620	
SCH DOC:	#032024040600	
PCB DOC:	#032024040610	

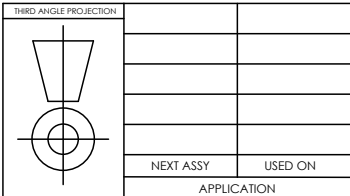
		<b>SPD</b>	
PART NO:		#0120240400	sdhamuvkl@gmail.com
TITLE:		TempGuard	
SIZE:	CAGE CODE:	DWG NO:	REV:
A4		#032024040620	V3.1
SCALE:	FILE NAME:	TempGuard.PCBDwf	
		SHEET:	1 OF 9

REV STATUS OF SHEETS	REV										REVISIONS				
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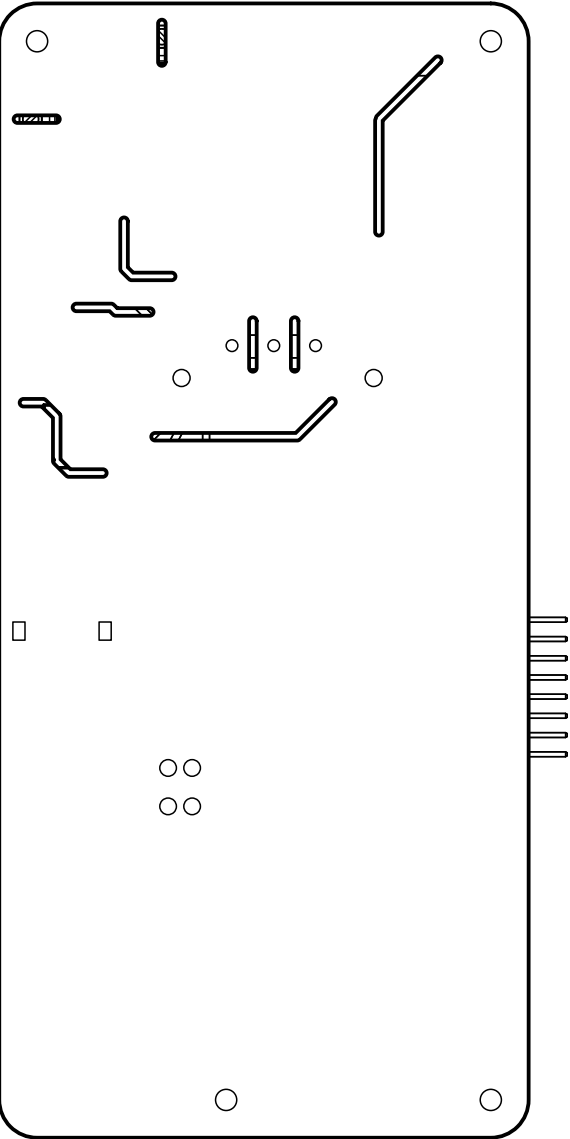
APPROVALS	DATE
ENGINEER: DHARAGESWARAN S	06.04.2024
DESIGNER: DHARAGESWARAN S	06.04.2024
CHECKER: DHARAGESWARAN S	06.04.2024
<b>Reference Documents</b>	
BOM DOC:	#032024040640
ASSY DOC:	#032024040620
SCH DOC:	#032024040600
PCB DOC:	#032024040610

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PART NO: #0120240400		sdhamuvkl@gmail.com	
TITLE: TempGuard			
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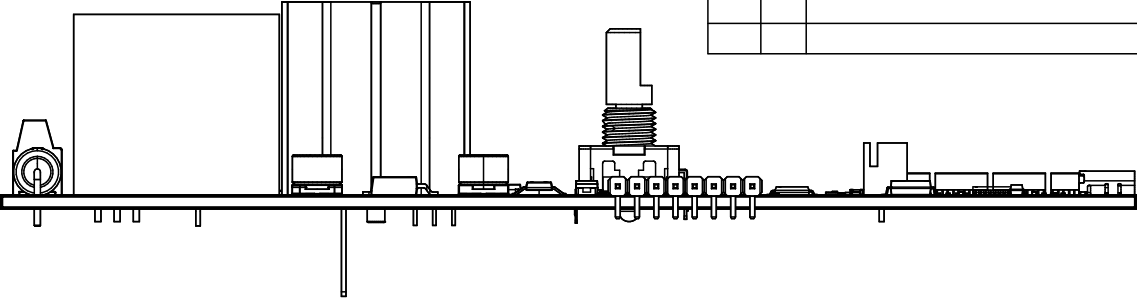


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	SHEET									ZONE	REV	DESCRIPTION	DATE	APPROVED
View from Front side (Scale 1:1)														

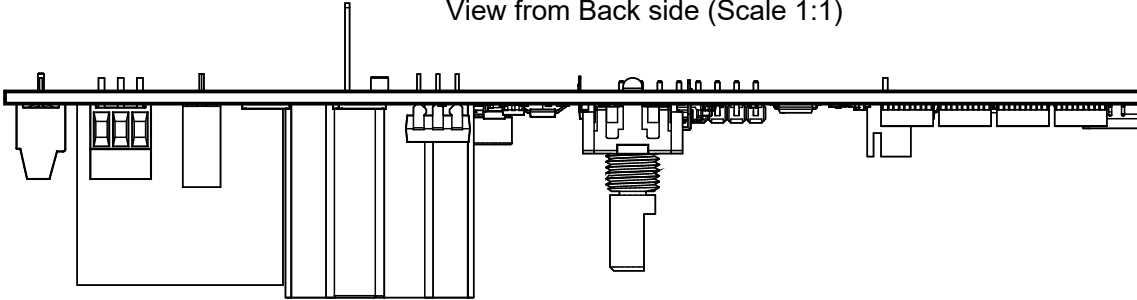
View from Bottom side (Scale 1:1)



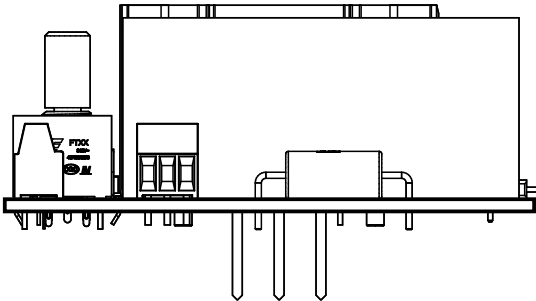
View from Front side (Scale 1:1)



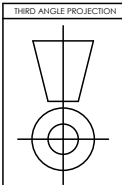
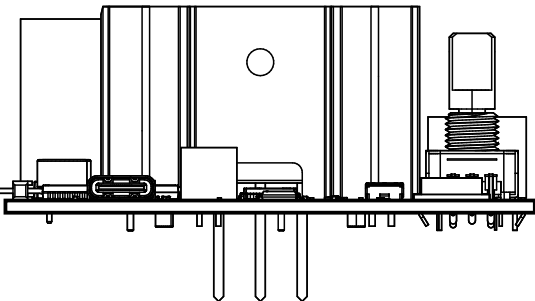
View from Back side (Scale 1:1)



View from Left side (Scale 1:1)




View from Right side (Scale 1:1)



THIRD ANGLE PROJECTION	
NEXT ASSY	USED ON
APPLICATION	

APPROVALS		DATE
ENGINEER:	DHARAGESWARAN S	06.04.2024
DESIGNER:	DHARAGESWARAN S	06.04.2024
CHECKER:	DHARAGESWARAN S	06.04.2024
Reference Documents		
BOM DOC:	#032024040640	
ASSY DOC:	#032024040620	
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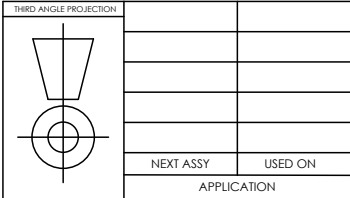
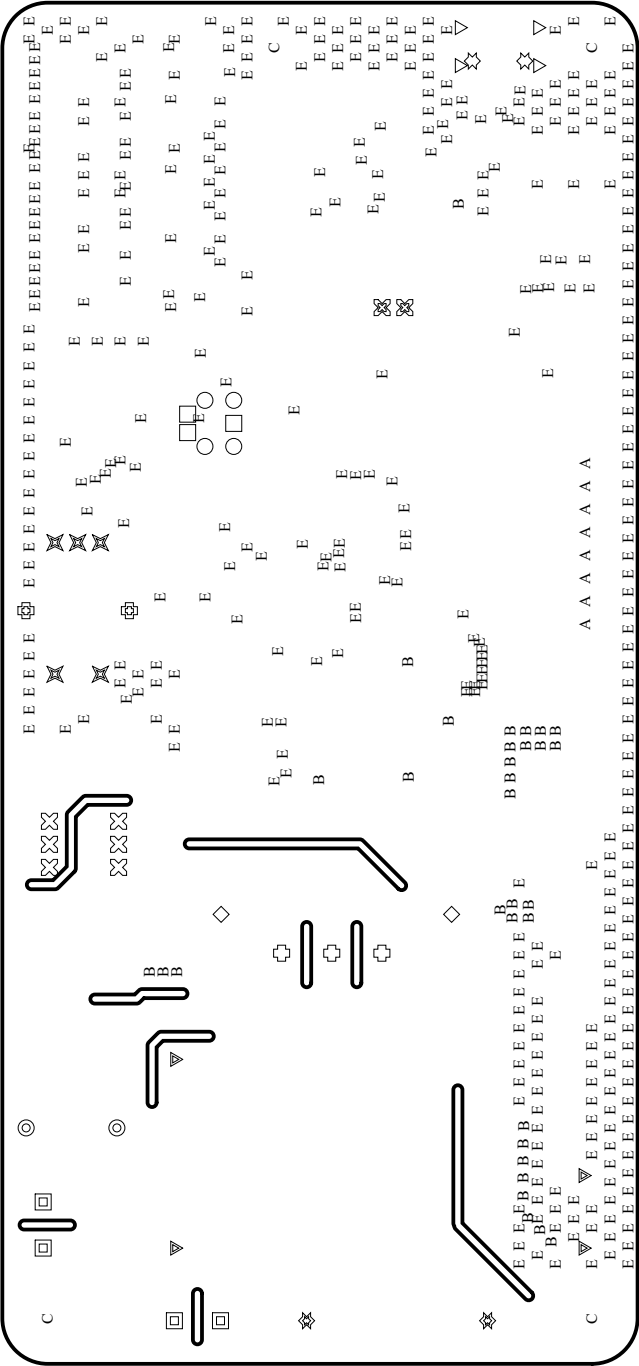
 <b>SPD</b>			
PART NO: #0120240400		sdhamuvkl@gmail.com	
TITLE: TempGuard			
SIZE: A4	CAGE CODE:	DWG NO: #032024040620	REV: V3.1
SCALE:	FILE NAME: TempGuard.PCBDwf	SHEET: 3	OF 9

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

Drill Drawing View (Scale 1.2:1)

Drill Table

Symbol	Count	Hole Size	Plated	Hole Tolerance
E	414	0.20mm	Plated	
B	32	0.50mm	Plated	
▽	4	0.60mm	Plated	
☆	2	0.65mm	Non-Plated	
⊗	6	0.75mm	Plated	
◎	2	0.90mm	Plated	
⊗	5	0.95mm	Plated	
⊗	2	1.00mm	Plated	
⊗	2	1.05mm	Plated	
□	3	1.07mm	Non-Plated	
▣	4	1.10mm	Plated	
A	8	1.10mm	Plated	+0.00mm/-0.25mm
▽	4	1.30mm	Plated	
⊕	3	1.75mm	Plated	
○	4	2.40mm	Non-Plated	
◇	2	2.45mm	Plated	
⊕	2	2.60mm	Plated	+0.20mm
C	4	3.00mm	Plated	
503 Total				



APPROVALS		DATE	
ENGINEER: DHARAGESWARAN S		06.04.2024	
DESIGNER: DHARAGESWARAN S		06.04.2024	
CHECKER: DHARAGESWARAN S		06.04.2024	
Reference Documents			
BOM DOC:		#032024040640	
ASSY DOC:		#032024040620	
SCH DOC:		#032024040600	
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NEXT ASSY		USED ON	
APPLICATION			

PART NO:		#0120240400	
TITLE:		TempGuard	
SIZE:	CAGE CODE:	DWG NO:	REV:
A4		#032024040620	V3.1
SCALE:	FILE NAME:	TempGuard.PCBDwf	
		SHEET:	4 OF 9



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

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		0.21mm	PP-023	Dielectric	
Copper	Mid Layer 1	0.02mm		Signal	G1
Core		1.06mm	FR-4	Dielectric	
Copper	Mid Layer 2	0.02mm		Signal	G2
Prepreg		0.21mm	PP-023	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: 1.61mm

THIRD ANGLE PROJECTION	
NEXT ASSY	USED ON
APPLICATION	

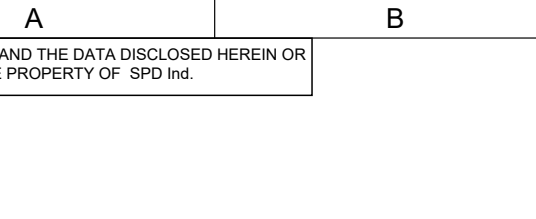
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DESIGNER: DHARAGESWARAN S		06.04.2024
CHECKER: DHARAGESWARAN S		06.04.2024
Reference Documents		
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ASSY DOC:		#032024040620
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		TempGuard.PCBDwf
SHEET:		5 OF 9



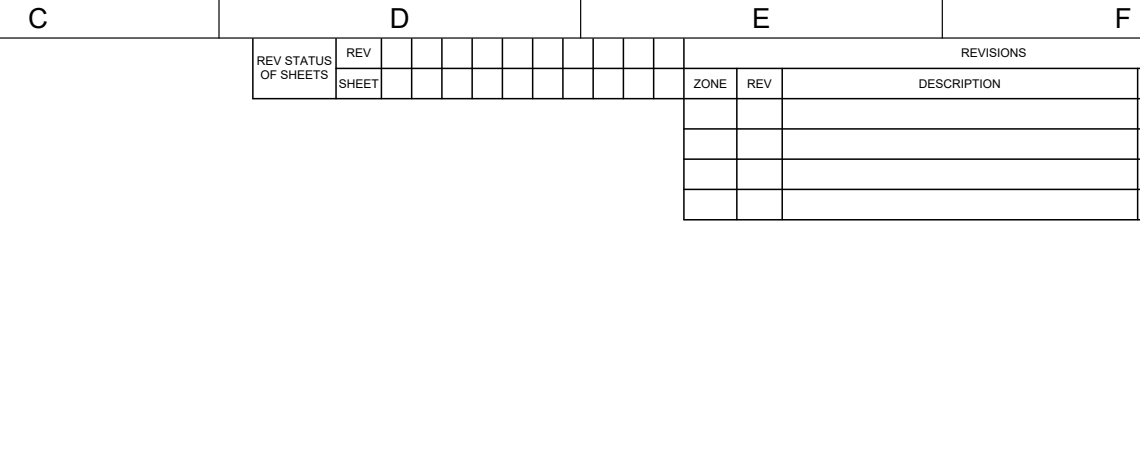
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DWG DOC  
#032024040630  
REV  
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D	E	F
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		B
NOT DISCLOSED HEREIN OR OF SPD Ind.		



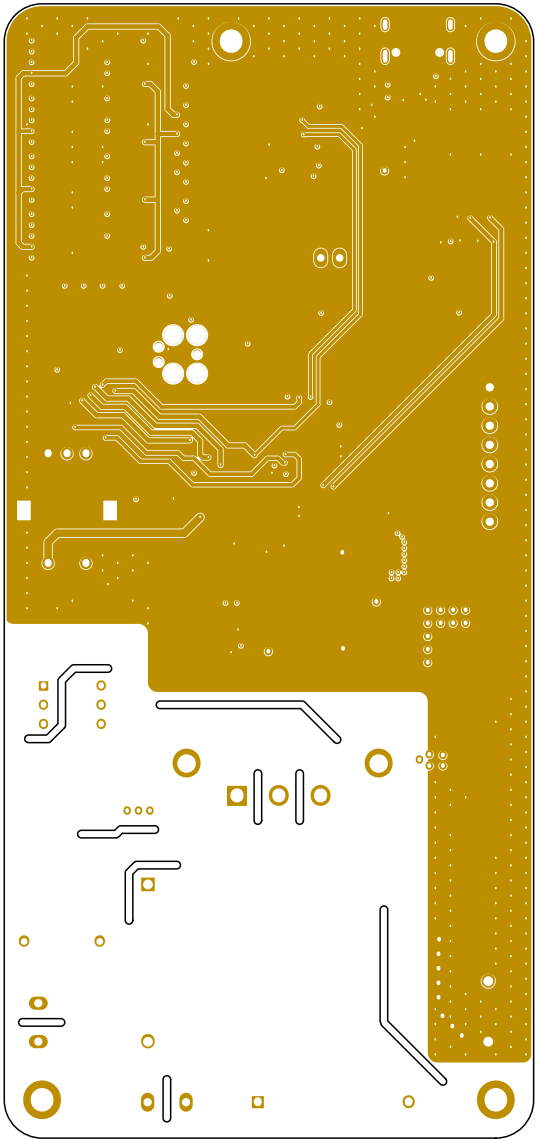
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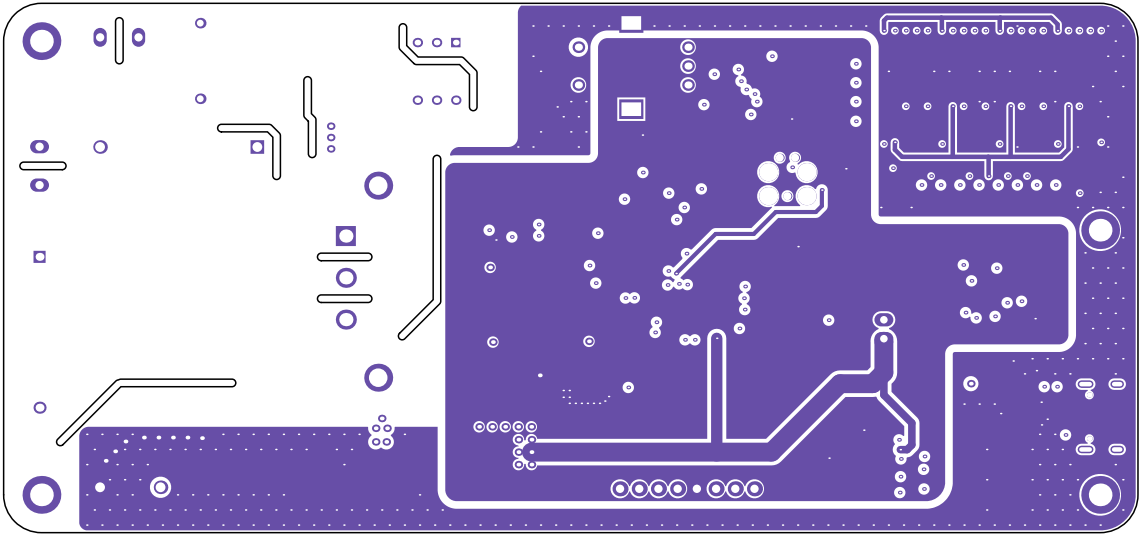
Top Paste & Top Overlay (Scale 1:1)

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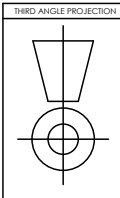
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Mid Layer 1 (Scale 1:1)





Mid Layer 2 (Scale 1:1)



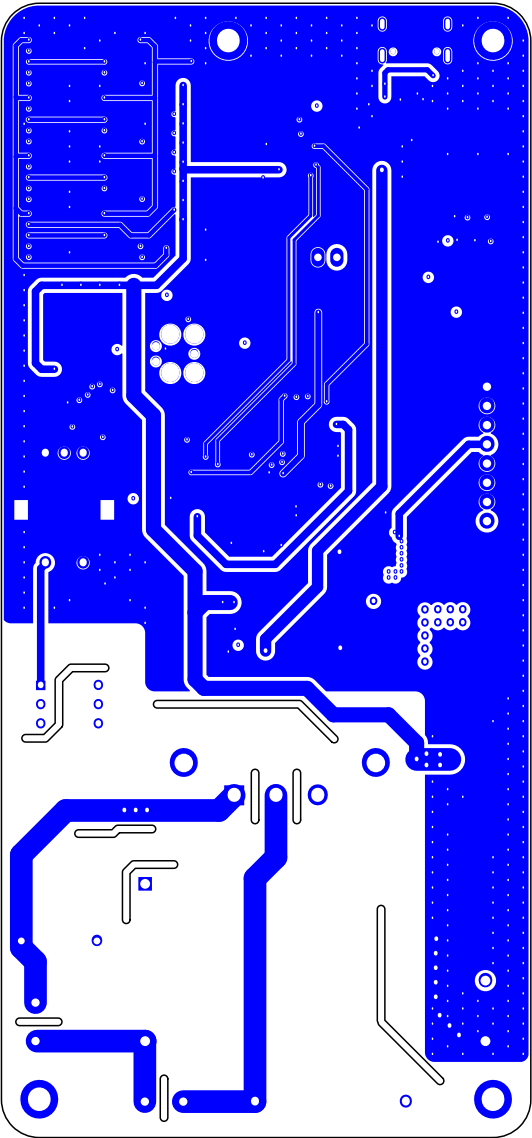
NEXT ASSY	USED ON
APPLICATION	

APPROVALS		DATE
ENGINEER:	DHARAGESWARAN S	06.04.2024
DESIGNER:	DHARAGESWARAN S	06.04.2024
CHECKER:	DHARAGESWARAN S	06.04.2024
Reference Documents		
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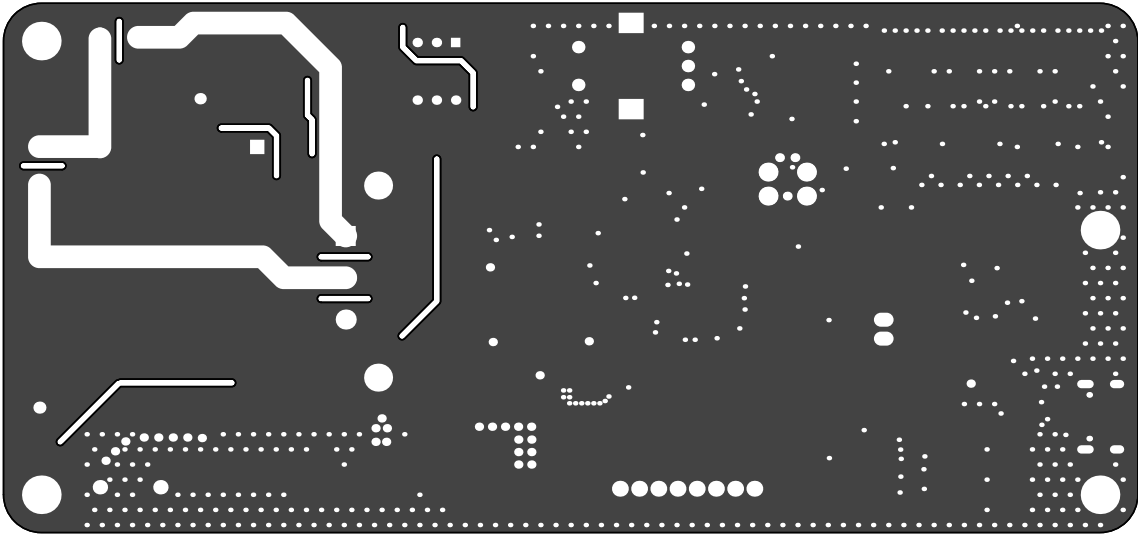
					
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TITLE:		TempGuard			
SIZE:	CAGE CODE:	DWG NO:		REV:	
A4		#032024040620		V3.1	
SCALE:		FILE NAME:		SHEET: 7 OF 9	
		TempGuard.PCBDwf			

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

Bottom Layer (Scale 1:1)




Bottom Solder (Scale 1:1)



Transmission Line Structure Table

Target Impedance	Calculated Impedance	Trace layer	Wide Trace Width	Narrow Trace Width	Gap	Clearance
90	90.03	Top Layer	0.20mm	0.20mm	0.13mm	0.13mm
90	90.04	Mid Layer 1	0.13mm	0.13mm	0.13mm	0.13mm
90	90.04	Mid Layer 2	0.13mm	0.13mm	0.13mm	0.13mm
90	90.03	Bottom Layer	0.20mm	0.20mm	0.13mm	0.13mm

THIRD ANGLE PROJECTION			
	NEXT ASSY	USED ON	
	APPLICATION		

APPROVALS		DATE	
ENGINEER: DHARAGESWARAN S		06.04.2024	
DESIGNER: DHARAGESWARAN S		06.04.2024	
CHECKER: DHARAGESWARAN S		06.04.2024	
<div><div></div><div><h1>SPD</h1></div></div>			
PART NO:		#0120240400	sdhamuvkl@gmail.com
TITLE: <div>TempGuard</div>			
BOM DOC:		#032024040640	
ASSY DOC:		#032024040620	
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SIZE:		CAGE CODE:	DWG NO: <div>#032024040620</div>
A4		REV: <div>V3.1</div>	
SCALE:		FILE NAME: <div>TempGuard.PCBDwf</div>	SHEET: 8 OF 9



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