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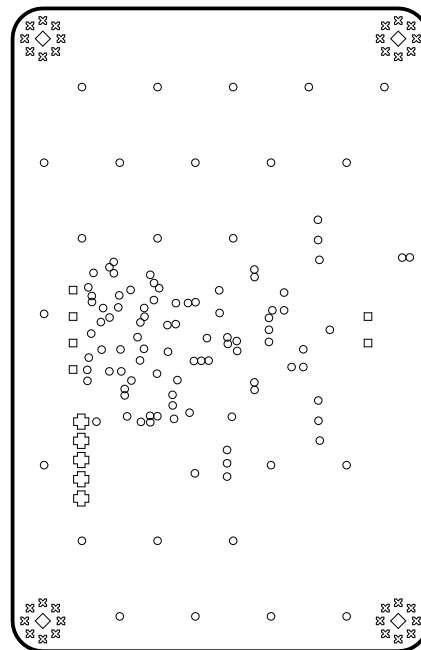
## Layer Stack Legend

Material	Layer	Thickness	Gerber
	Top Overlay		GTO
Surface Material	Top Solder	0.010mm	GTS
Copper	Top Layer	0.018mm	GTL
Prepreg		0.180mm	
Copper	Mid1	0.035mm	G1
Core		1.080mm	
Copper	Mid2	0.035mm	G2
Prepreg		0.180mm	
Copper	Bottom Layer	0.018mm	GBL
Surface Material	Bottom Solder	0.010mm	GBS
	Bottom Overlay		GBO
Total thickness: 1.566mm			

## Notes:

1. Use current revision of all standards.
2. Board is to be manufactured in accordance to IPC-6012 Class 2.
3. Laminate (core) and prepreg to be in accordance with IPC-4101/126
4. Board finish shall be ENIG
5. Soldermask colour shall be WHITE
6. Silkscreen colour shall be BLACK
7. All hole dimensions except [9] apply after plating
8. All copper dimensions apply after plating
9. Top and bottom thickness is given before plating

## Drill Drawing View (Scale 1:1)



## Drill Table


Symbol	Count	Hole Size	Plated	Via / Pad	Hole Tolerance
○	113	0.25	Plated	Via	
⊗	32	0.60	Plated	Pad	
⊕	5	0.90	Plated	Pad	
□	6	1.50	Plated	Pad	
◇	4	3.20	Plated	Pad	
	160 Total				

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Title			 Waterloohain 5 22769 Hamburg Germany tmc_info@trinamic.com		
Fabrication Drawing					
Size	Revision	Project			
A4	V1.0	TMCM-HBS-MREF			
Date	15-Mar-21 18:19		Sheet 1 of 3		
File	TMCM-HBS-MREF.Fabrication.PCBDwf				

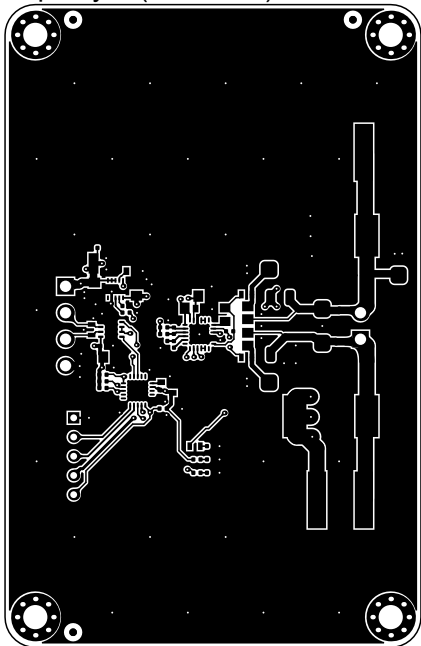
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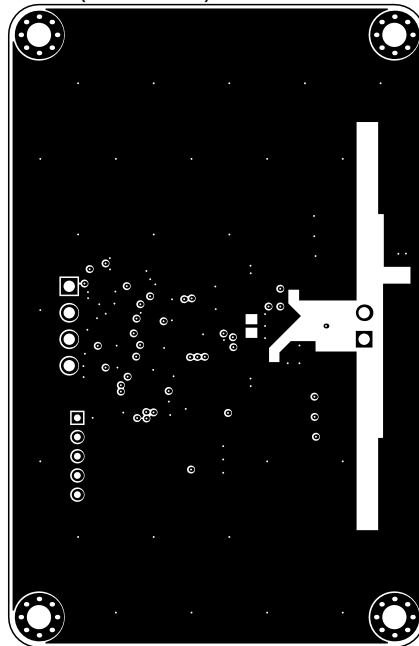
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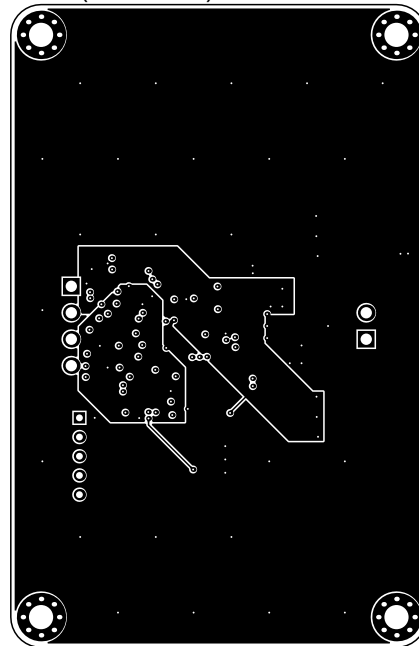
Top Layer (Scale 1:1)



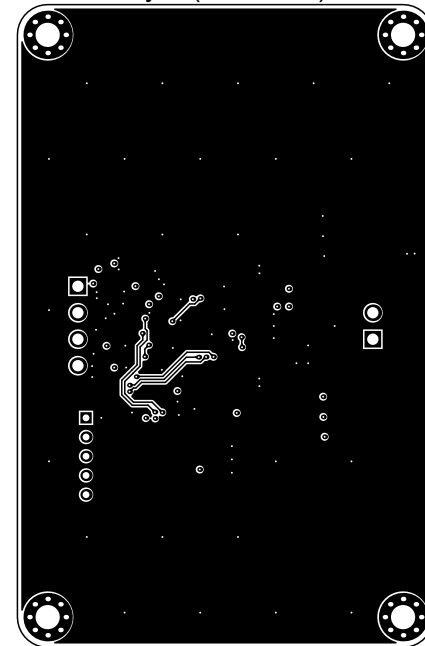
Mid1 (Scale 1:1)



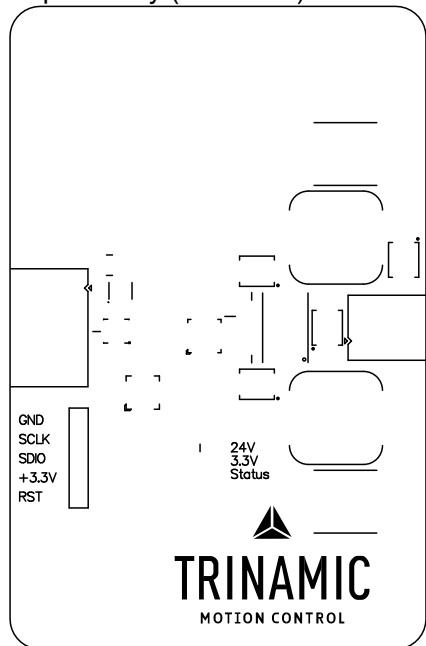
Mid2 (Scale 1:1)



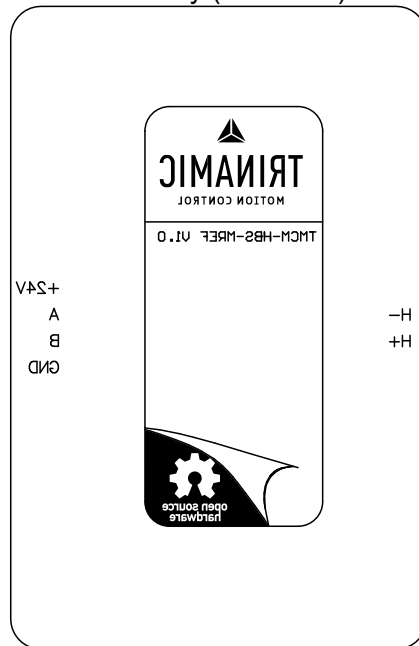
Bottom Layer (Scale 1:1)



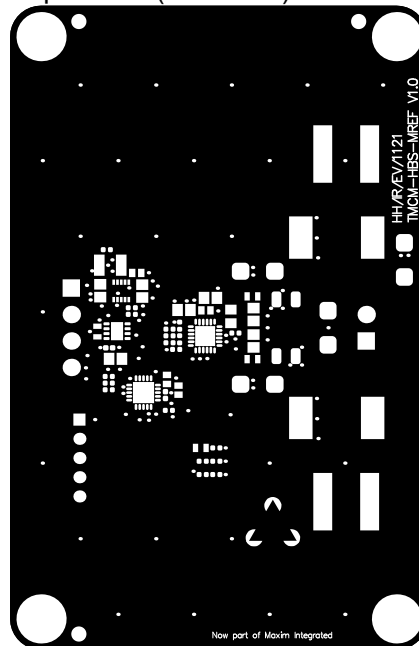
Top Overlay (Scale 1:1)



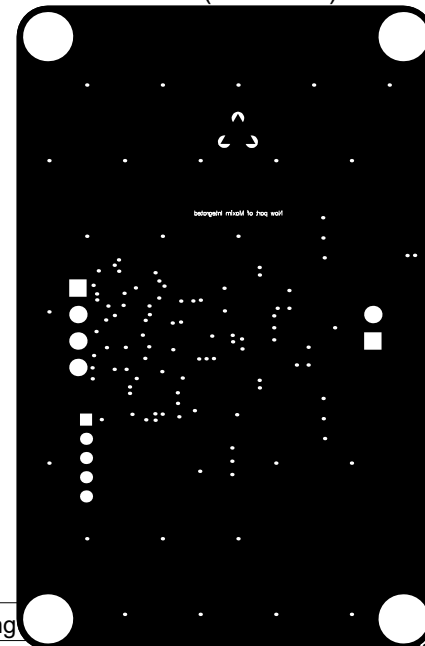
Bottom Overlay (Scale 1:1)



Top Solder (Scale 1:1)



Bottom Solder (Scale 1:1)



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A4	V1.0	TMCM-HBS-MREF
Date	15-Mar-21 18:19	Sheet 2 of 3
File	TMCM-HBS-MREF.Fabrication.PCBdxf	

TRINAMIC MOTION CONTROL	main 5
	22700 Hamburg Germany tmc_info@trinamic.com

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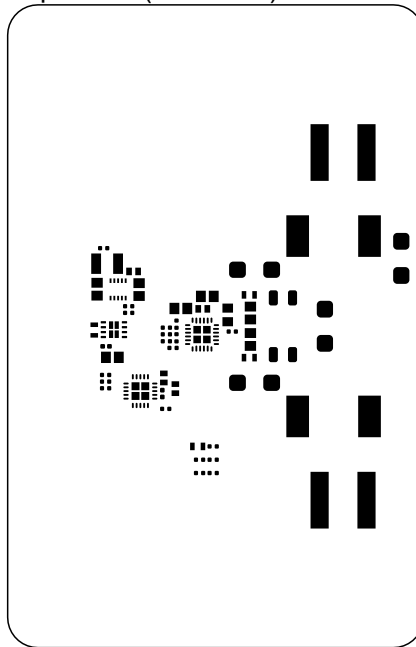
3


3

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4

Top Paste (Scale 1:1)



Title			Fabrication Drawing			 <b>TRINAMIC</b> MOTION CONTROL	Waterloohain 5 22769 Hamburg Germany tmc_info@trinamic.com	
Size	Revision	Project	TMCM-HBS-MREF					
A4	V1.0							
Date	15-Mar-21 18:19		Sheet 3 of 3					
File	TMCM-HBS-MREF.Fabrication.PCBDwf							

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