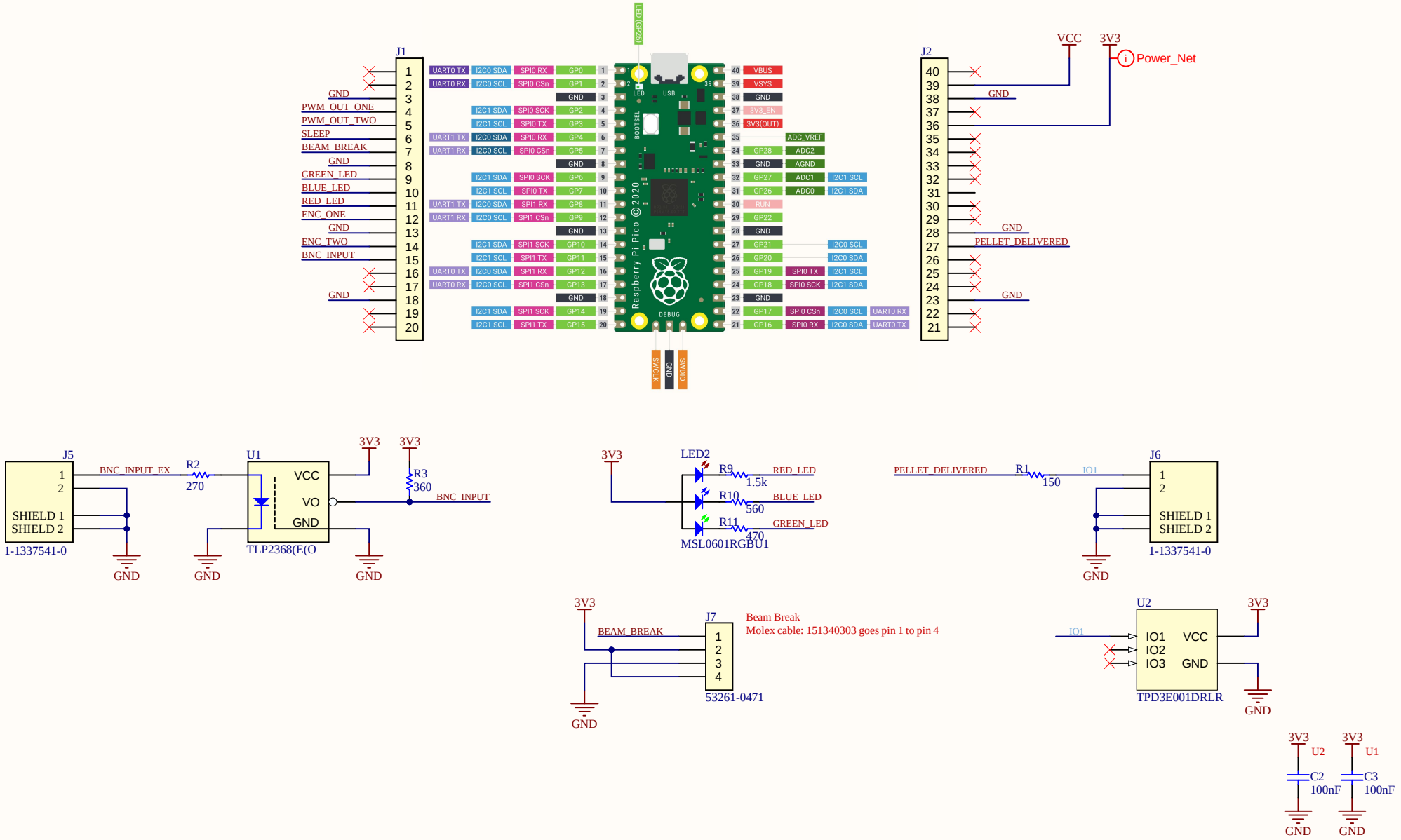

Pi Pico Interface

FILE PicoInterface.SchDoc		REVISION *
VARIANT [No Variations]	DATE 25/05/2023	SHEET 1/ 3
PROJECT AEON		SIZE A4

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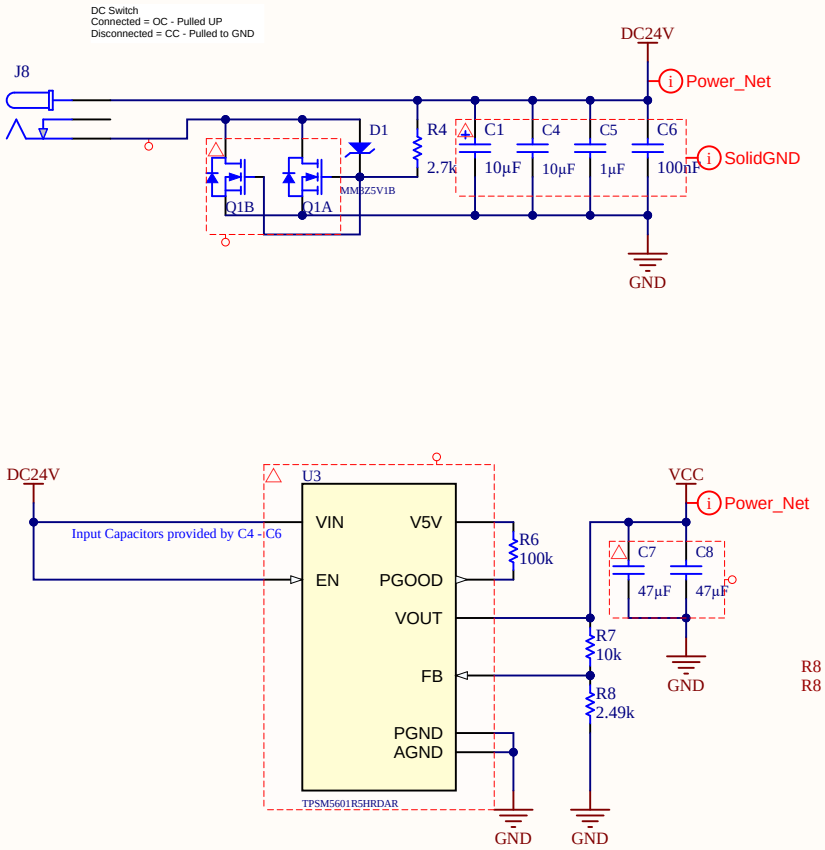

Power Supply

FILE PowerSupply.SchDoc			REVISION *
VARIANT [No Variations]		DATE 25/05/2023	SHEET 2 / 3
PROJECT AEON			SIZE A4

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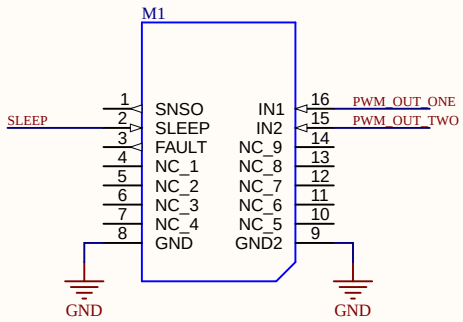

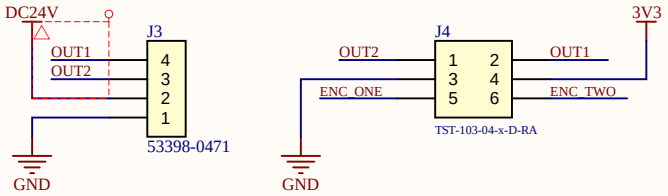

Mikroe Motor Click 5 interface

FILE MotorDriver.Mikroe.SchDoc			REVISION 1
VARIANT [No Variations]		DATE 25/05/2023	SHEET 3 / 3
PROJECT AEON			SIZE A4

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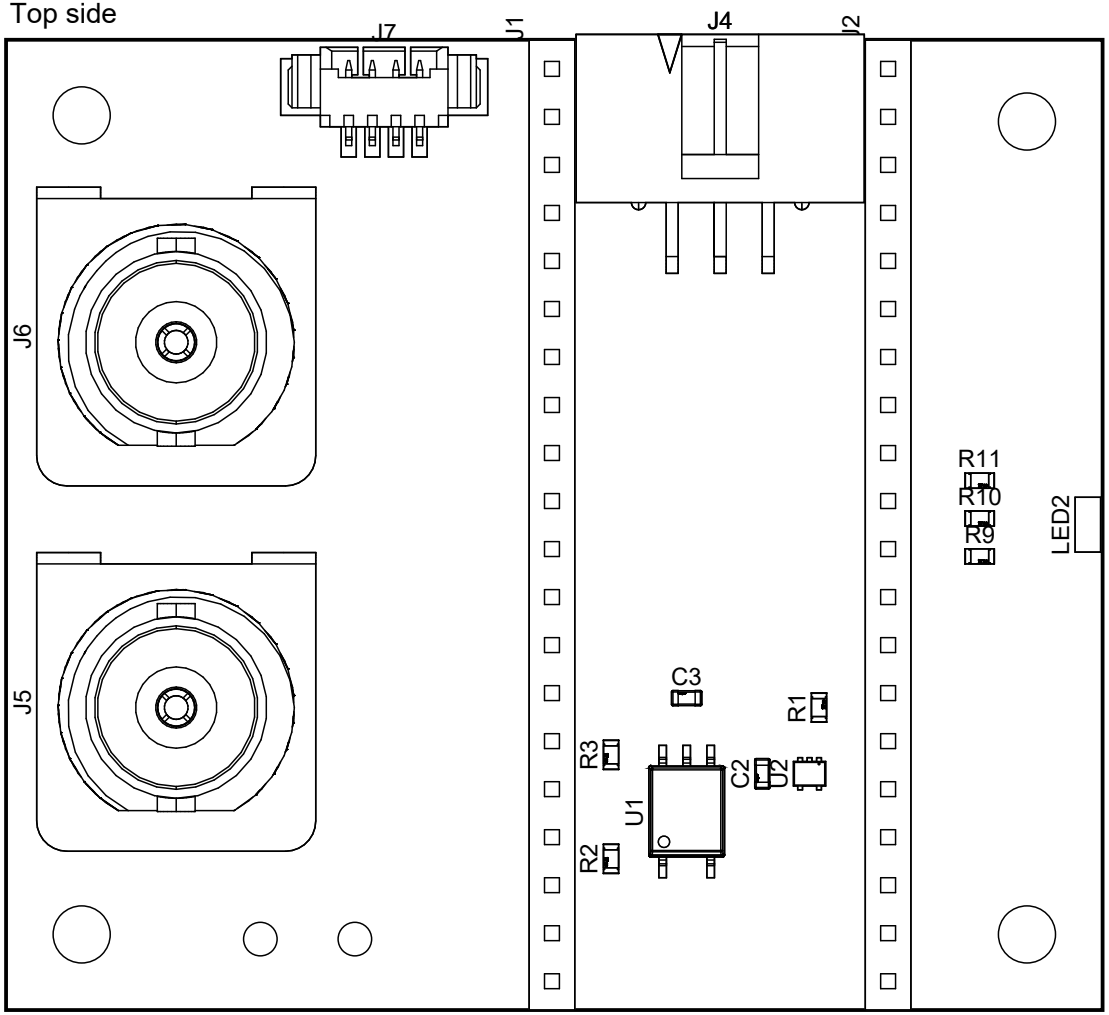
Top side



Bill Of Materials

Line #	Designator	Comment	Quantity
2	C2, C3	C0603-100nF-100V-10%-X7R	2
7	J1	SSW-120-01-x-S	1
8	J2	SSW-120-01-x-S - 21-40	1
10	J4	TST-103-04-x-D-RA	1
11	J5, J6	1-1337541-0	2
12	J7	53261-0471	1
14	LED2	MSL0601RGBU1	1
17	R1	R0603-150R-1/16W-0.1%	1
18	R2	R0603-270R-1/16W-0.1%	1
19	R3	R0603-360R-1/16W-0.1%	1
24	R9	R0603-1k5-1/16W-0.1%	1
25	R10	R0603-560R-1/16W-0.1%	1
26	R11	R0603-470R-1/16W-0.1%	1
27	U1	TLP2368	1
28	U2	TPD3E001DRLR	1

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VARIANT [No Variations]		REVISION 1	
FILE Assembly.PCBDwf		SHEET 1 / 2	
APPR *	DATE 25/05/2023	SIZE A4	
PROJECT AEON		SCALE 5:2	

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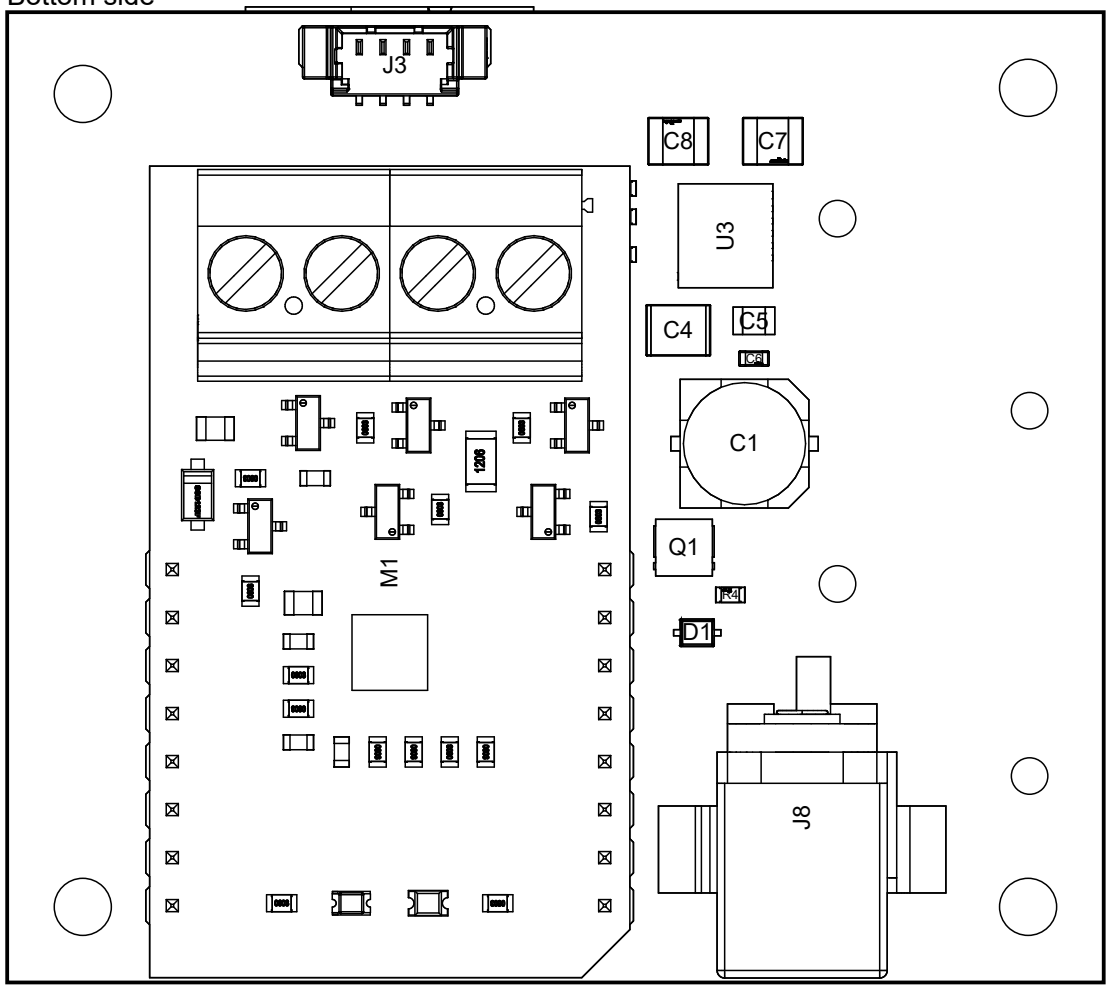
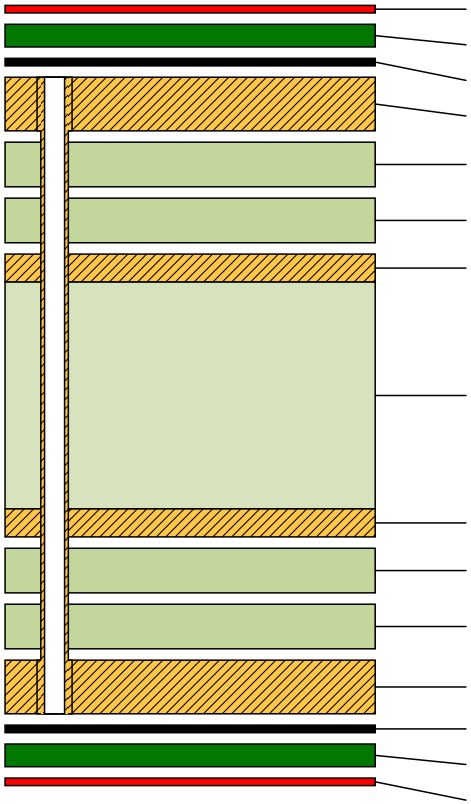
Bottom side



Bill Of Materials

Line #	Designator	Comment	Quantity
1	C1	CPOLD-10uF-50V-20%-Alu	1
2	C6	C0603-100nF-100V-10%-X7R	1
3	C4	C1210-10uF-50V-10%-X7R	1
4	C5	C0805-1uF-50V-10%-X7R	1
5	C7, C8	C1210-47uF-10V-10%-X7R	2
6	D1	MM3Z10VB	1
9	J3	53398-0471	1
13	J8	694108105102	1
15	M1	MIKROE-2699	1
16	Q1	FDMC8030	1
20	R4	R0603-2k7-1/16W-0.1%	1
21	R6	R0603-100k-1/16W-0.1%	1
22	R7	R0603-10k-1/16W-0.1%	1
23	R8	R0603-2k49-1/16W-0.1%	1
29	U3	TPSM5601R5HRDAR	1

Layer Stack Legend



Material	Layer	Thickness	Dielectric Material	Type	Gerber
	Top Overlay			Legend	GTO
Surface Material	Top Solder	0.0300mm	SM-001	Solder Mask	GTS
Nickel, Gold	Top Surface Finish	0.0040mm		Surface Finish	
Foil	Top Layer	0.0709mm		Signal	GTL
Prepreg		*0.0590mm*	*VT47 - 106*	*Dielectric*	
Prepreg		*0.0590mm*	*VT47 - 106*	*Dielectric*	
CU Layer	Int1	0.0370mm		Signal	G1
Core		*1.0400mm*	*VT47 - Core*	*Dielectric*	
CU Layer	Int2	0.0370mm		Signal	G2
Prepreg		*0.0590mm*	*VT47 - 106*	*Dielectric*	
Prepreg		*0.0590mm*	*VT47 - 106*	*Dielectric*	
Foil	Bottom Layer	0.0709mm		Signal	GBL
Nickel, Gold	Bottom Surface Finish	0.0040mm		Surface Finish	
Surface Material	Bottom Solder	0.0300mm	SM-001	Solder Mask	GBS
	Bottom Overlay			Legend	GBO

Total thickness: 1.5598mm

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APPR *	DATE 25/05/2023	SIZE A4	
PROJECT AEON		SCALE	

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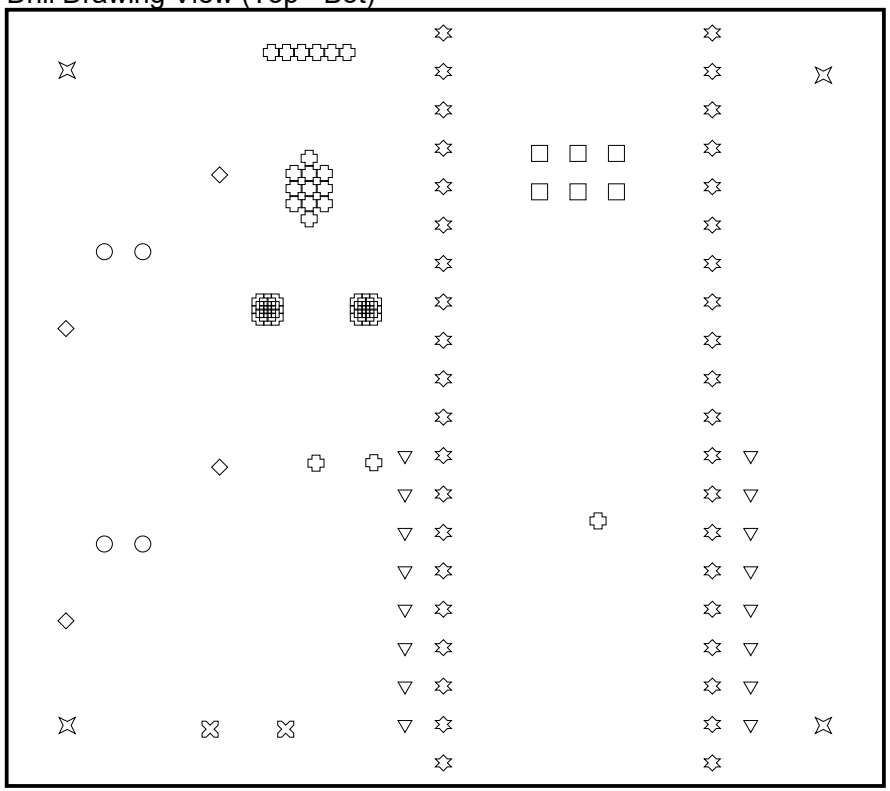
Drill Drawing View (Top - Bot)



Drill Table

Symbol	Count	Hole Size	Plated	Hole Tolerance
✣	38	0.2500mm	Plated	
▽	16	0.8890mm	Plated	
○	4	0.9000mm	Plated	
□	6	1.0200mm	Plated	
✡	40	1.0400mm	Plated	
⊠	2	1.8542mm	Plated	
◇	4	2.0100mm	Plated	
⊠	4	3.1000mm	Non-Plated	
	114 Total			

Feeder Application Board			
VARIANT [No Variations]		REVISION 1	
FILE Fabrication.PCBDwf		SHEET 2 / 2	
APPR *	DATE 25/05/2023	SIZE A4	
PROJECT AEON		SCALE 5:2	

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