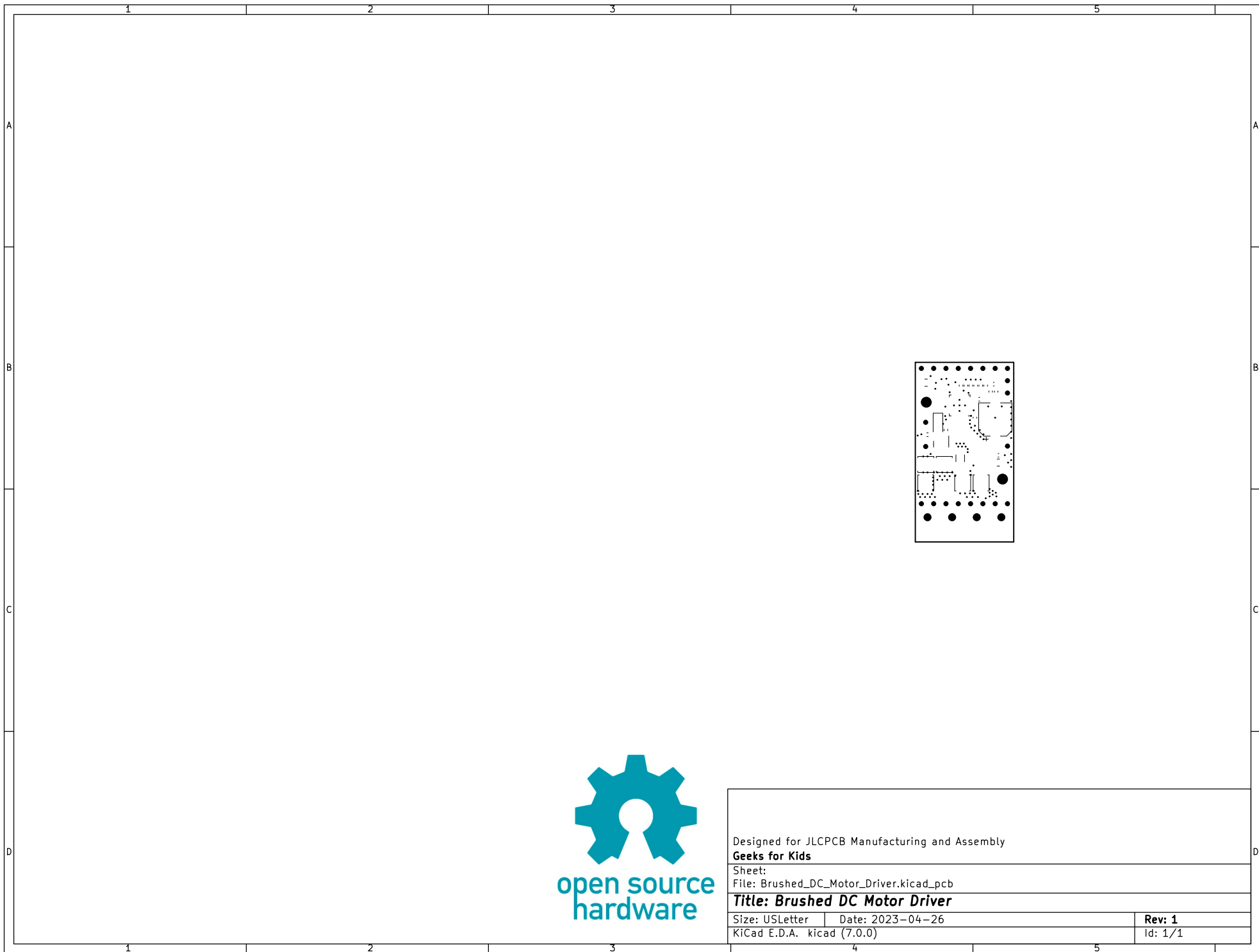
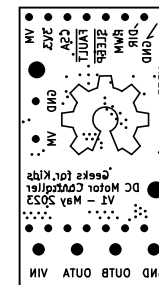


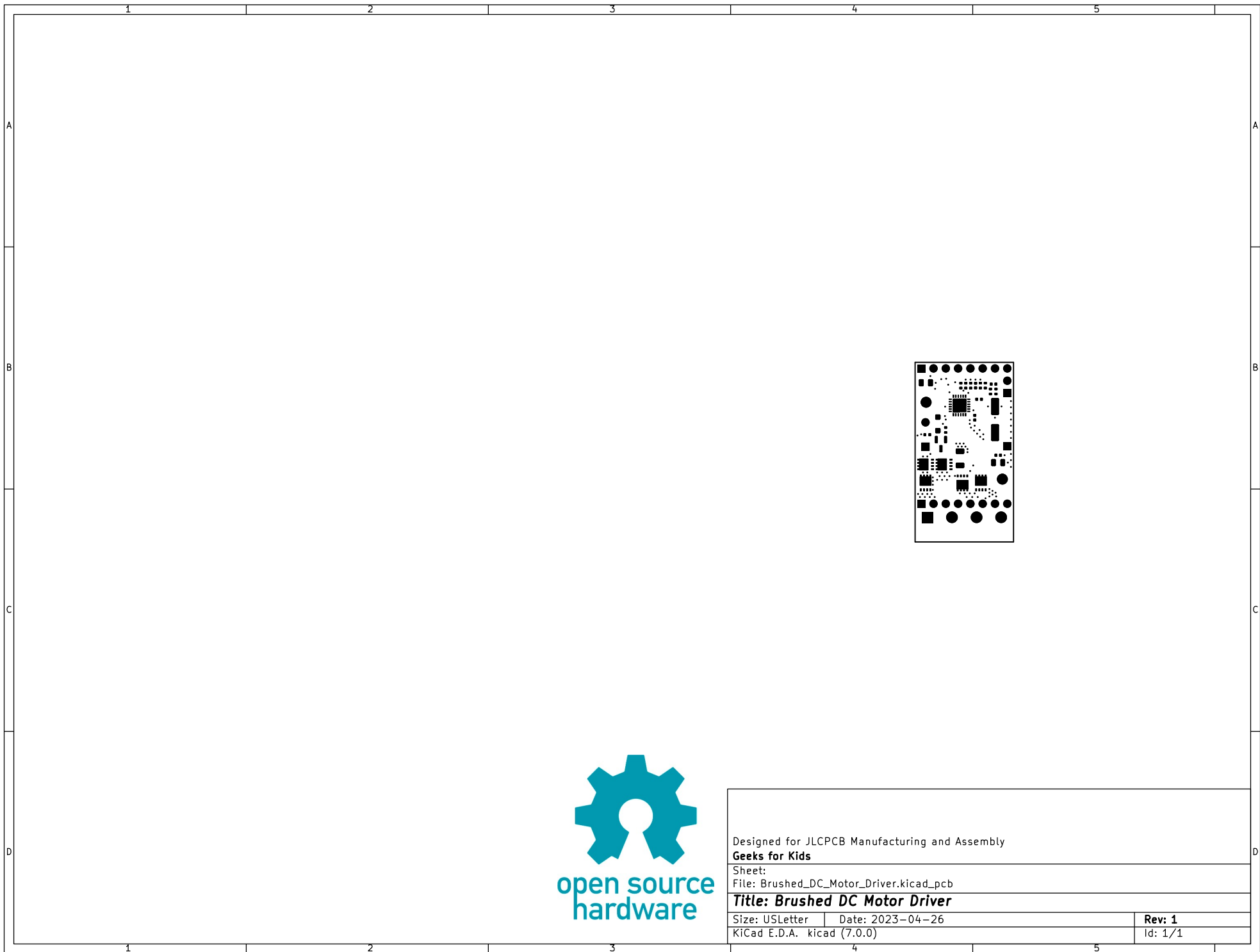
Designed for JLCPCB Manufacturing and Assembly		
Geeks for Kids		
Sheet:		
File: Brushed_DC_Motor_Driver.kicad_pcb		
Title: <i>Brushed DC Motor Driver</i>		
Size: USLetter	Date: 2023-04-26	Rev: 1
KiCad E.D.A. kicad (7.0.0)		Id: 1/1



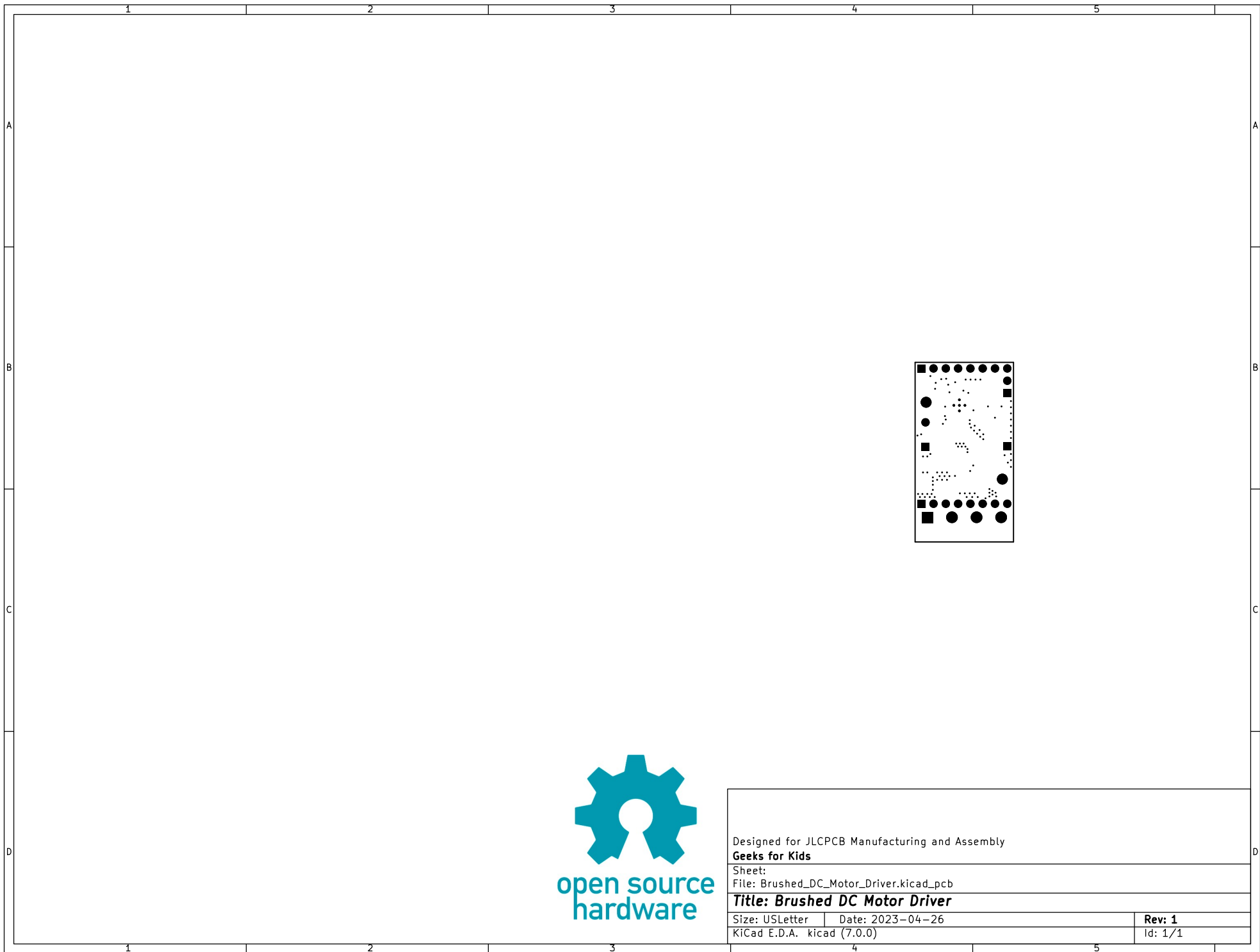
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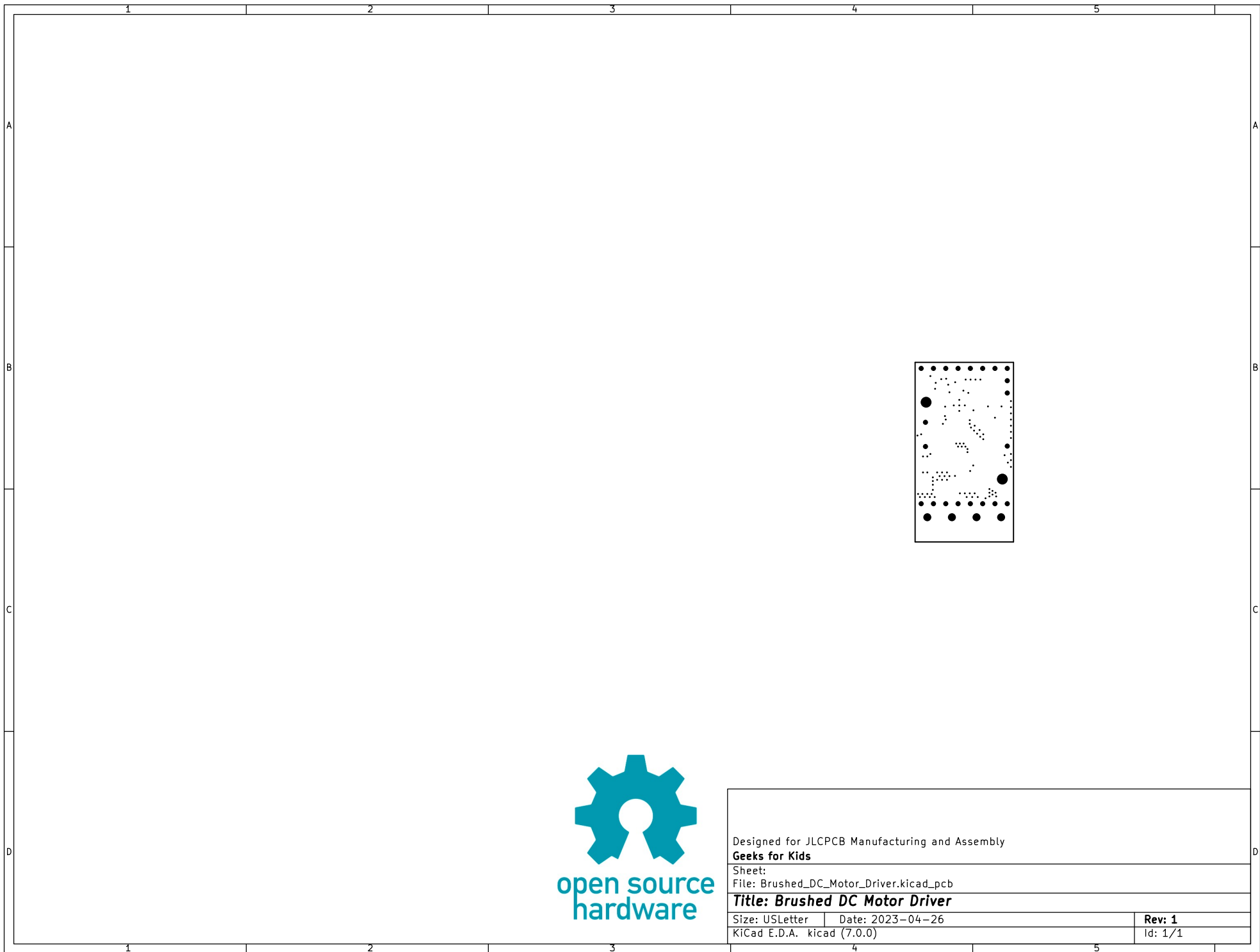
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BOARD CHARACTERISTICS

Copper Layer Count:	2	Board Thickness:	62.99 mils
Board overall dimensions:	800.00 mils x 1460.00 mils		
Min track/spacing:	8.00 mils / 8.00 mils	Min hole diameter:	11.81 mils
Copper Finish:	ENIG	Impedance Control:	No
Castellated pads:	No	Plated Board Edge:	No
Edge card connectors:	No		

Layer Stack

Layer Name	Type	Material	Thickness (mils)	Color	Epsilon R	Loss Tangent
F.Silkscreen	Top Silk Screen	Not specified	0 mils	White	1	0
F.Paste	Top Solder Paste		0 mils		1	0
F.Mask	Top Solder Mask	Not specified	0.3937007874 mils	Green	3.3	0
Front	copper		2.8 mils		1	0
Dielectric	core	FR4	56.60472441 mils	FR4 natural	4.5	0.02
Back	copper		2.8 mils		1	0
B.Mask	Bottom Solder Mask	Not specified	0.3937007874 mils	Green	3.3	0
B.Paste	Bottom Solder Paste		0 mils		1	0
B.Silkscreen	Bottom Silk Screen	Not specified	0 mils	White	1	0

Design Notes

This PCB was designed with JLCPCB manufacturing and assembly in mind.

Board Specs:

Core Material: FR-4
Layer Count: 2
Dimensions: 0.80 in x 1.46 in

PCB Thickness: 1.6 mm
Soldermask Color: Green
Silkscreen Color: White
Surface Finish: ENIG 1U"

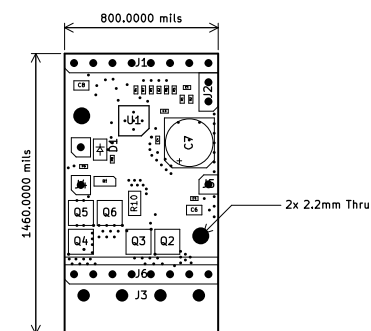
Outer Copper Weight: 2 oz-in
Via Covering: Tented
Board Outline Tolerance: 0.2 mm

IPC Class 2 Standard Specifications

Minimum Trace Width: 8 mil
Minimum Trace Spacing: 8 mil
Minimum Via Size: 20/12 mil

Please note that when uploading the Pick and Place position file to JLCPCB, the orientations are not always correctly identified. You will need to manually adjust the orientation of each component before submitting the order.

This board is smaller than the minimum required size for JLCPCB assembly service. It will need to be panelized by JLCPCB, with a minimum of 6 boards per panel to meet their requirements.



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Geeks for Kids

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Id: 1/1