

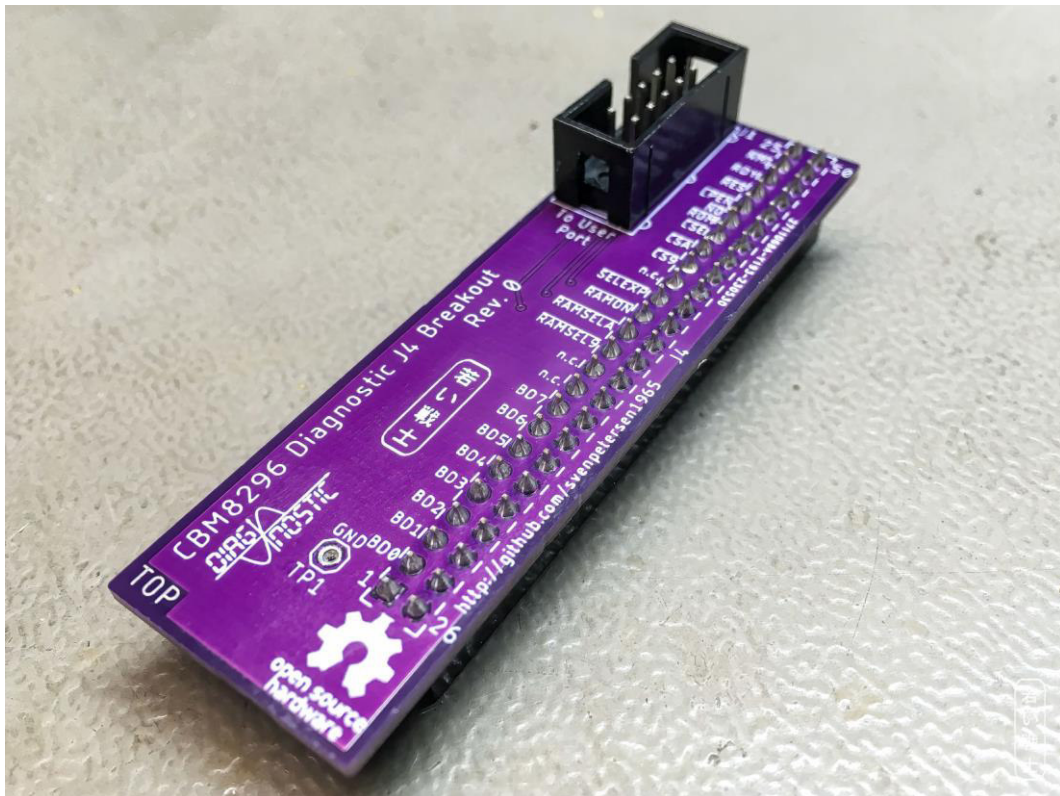
Project Documentation

Commodore CBM8296 Diagnostic: J4 Breakout Board

Project number: 210

Revision: 0

Date: 16.05.2023



Module Description

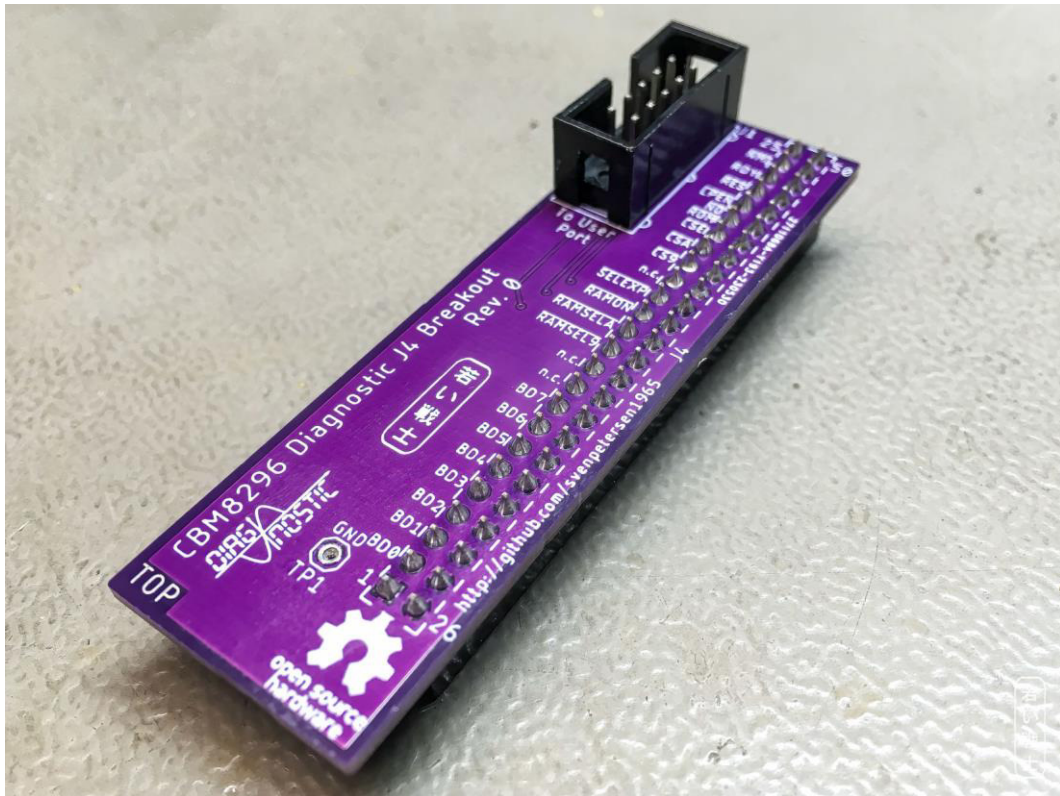


Figure 2: Top side of the J4 breakout boards



Figure 3: Bottom side of the J4 breakout board

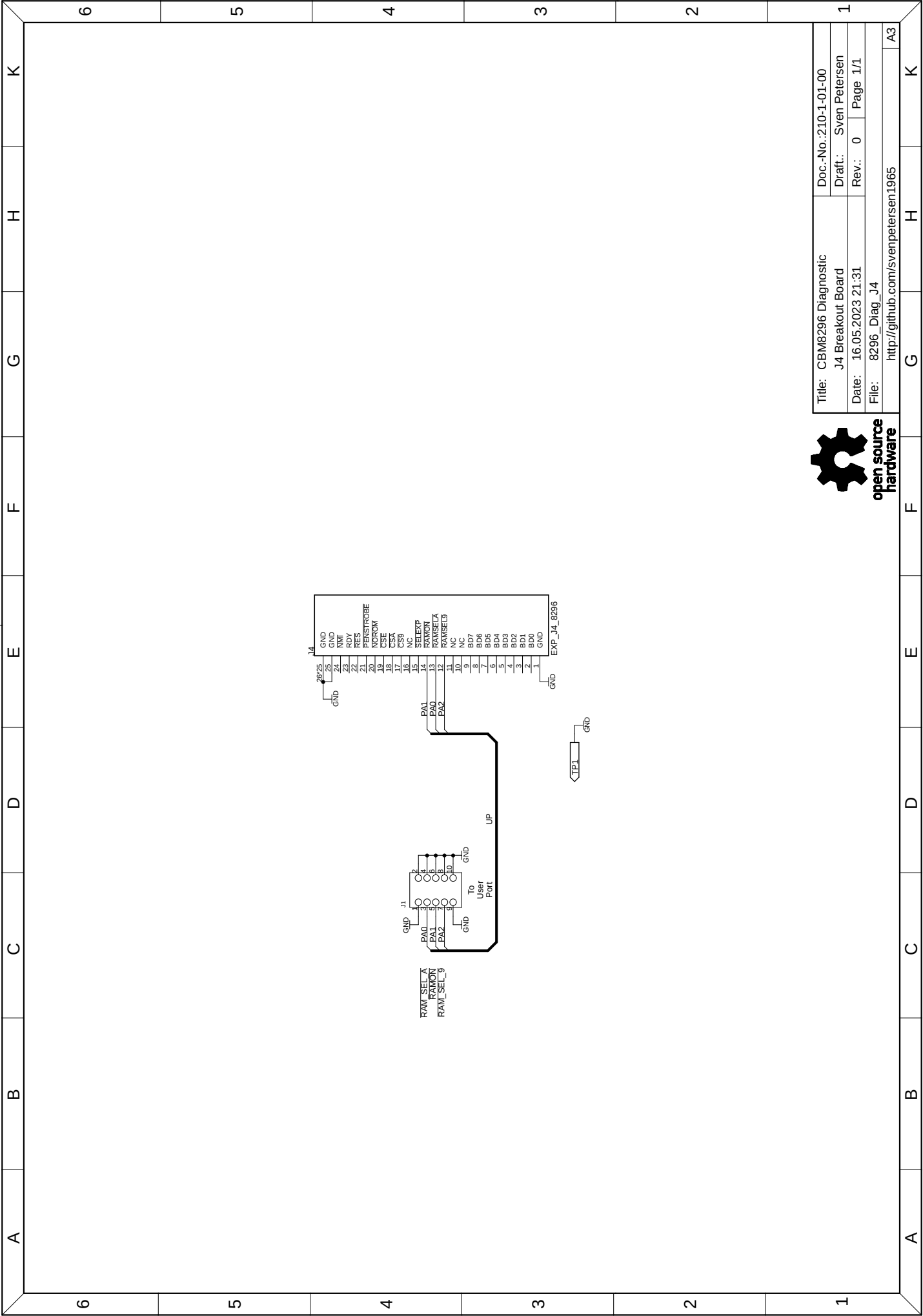
Connections

Connection	Signals
B - M	CA1 - CB2
C - J4.13	PA0 - $\overline{\text{RAMSELA}}$
D - J4.14	PA1 - $\overline{\text{RAMON}}$
E - J4.12	PA2 - $\overline{\text{RAMSEL9}}$

Revision History

Rev. 0

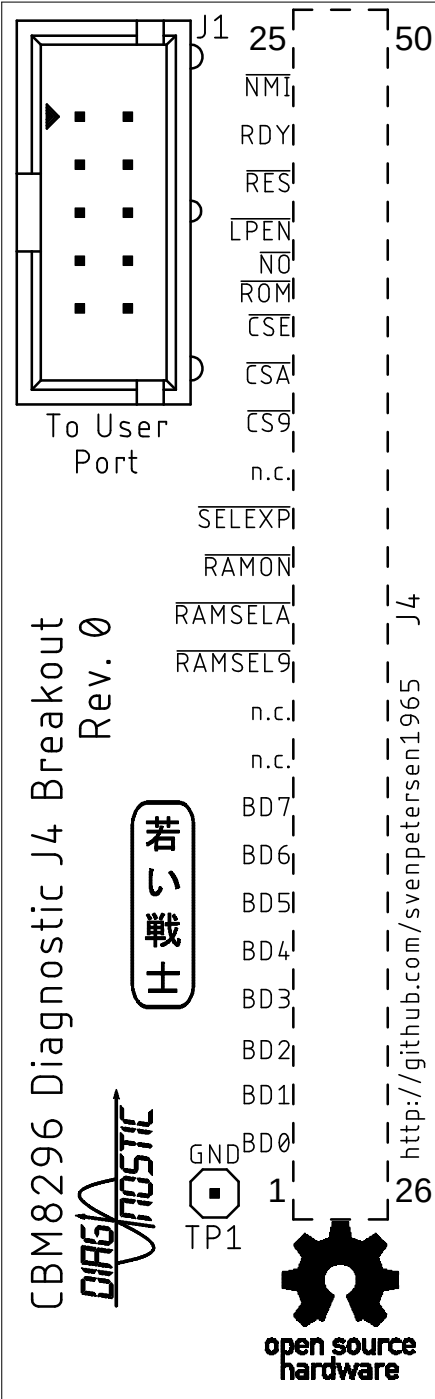
- Prototype, not yet tested.



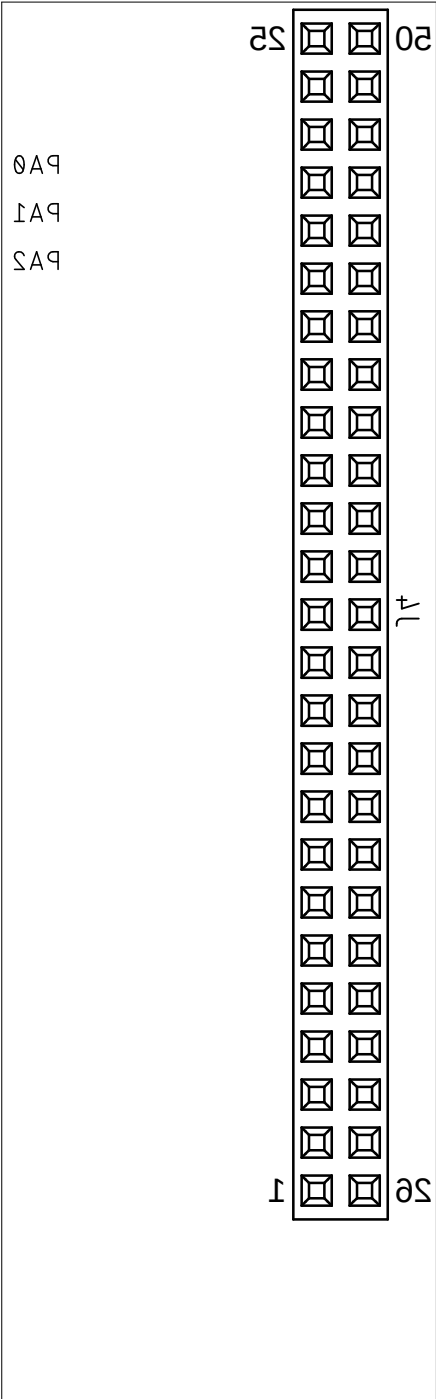
open source
hardware

Title: CBM8296 Diagnostic J4 Breakout Board		Doc-No.:210-1-01-00	
Date: 16.05.2023 21:31		Draft.: Sven Petersen	
File: 8296_Diag_J4		Rev.: 0 Page 1/1	
http://github.com/svenpetersen1965		A3	

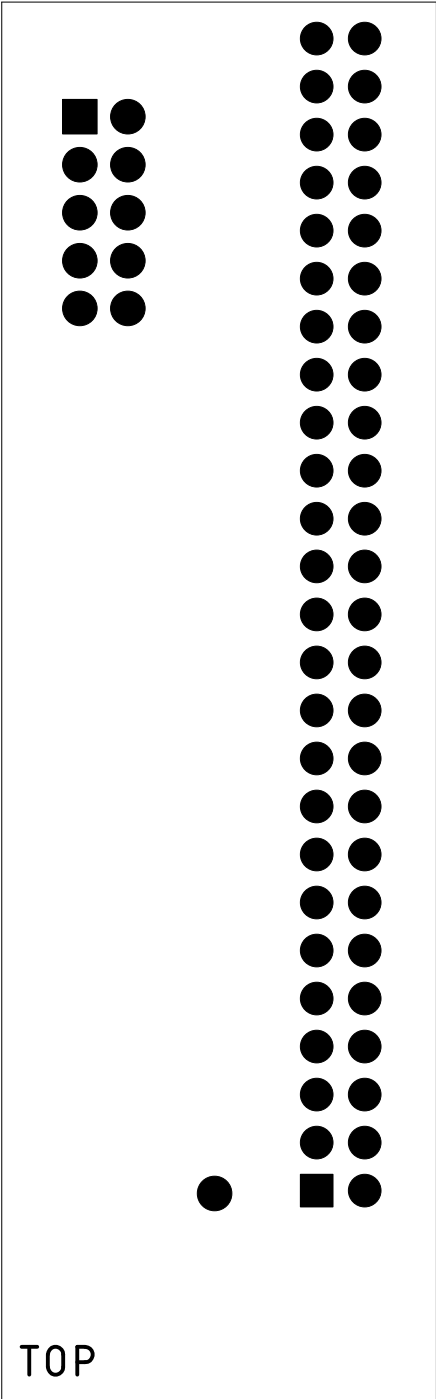
Sven Petersen 2023	Doc.-No.: 210-2-01-00	
	Cu: 35µm	Cu-Layers: 2
8296_Diag_J4		
17.05.2023 09:46		Rev.: 0
placement component side		



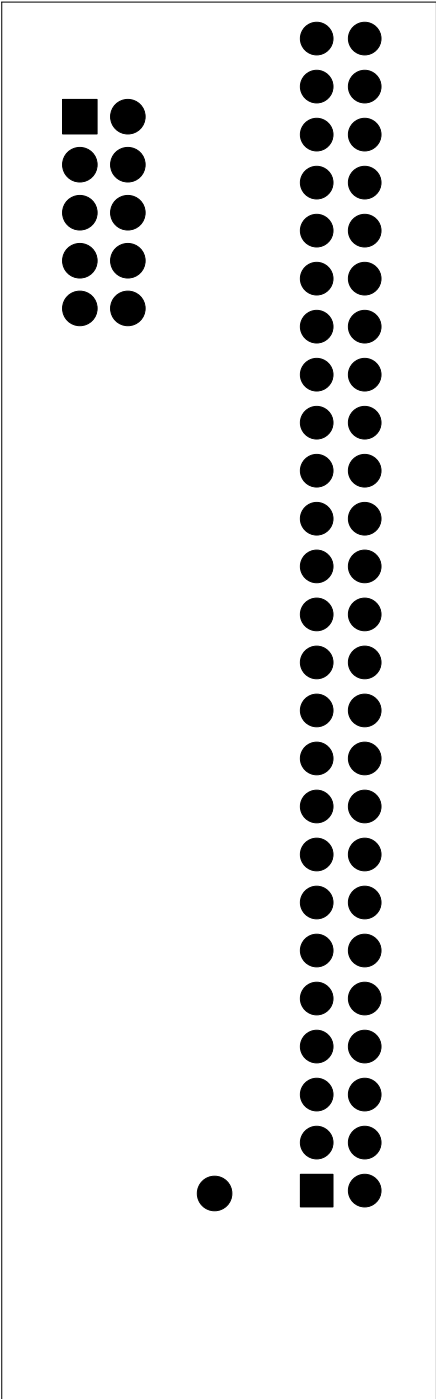
Sven Petersen 2023	Doc.-No.: 210-2-01-00	
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8296_Diag_J4		
17.05.2023 09:46		Rev.: 0
placement solder side		



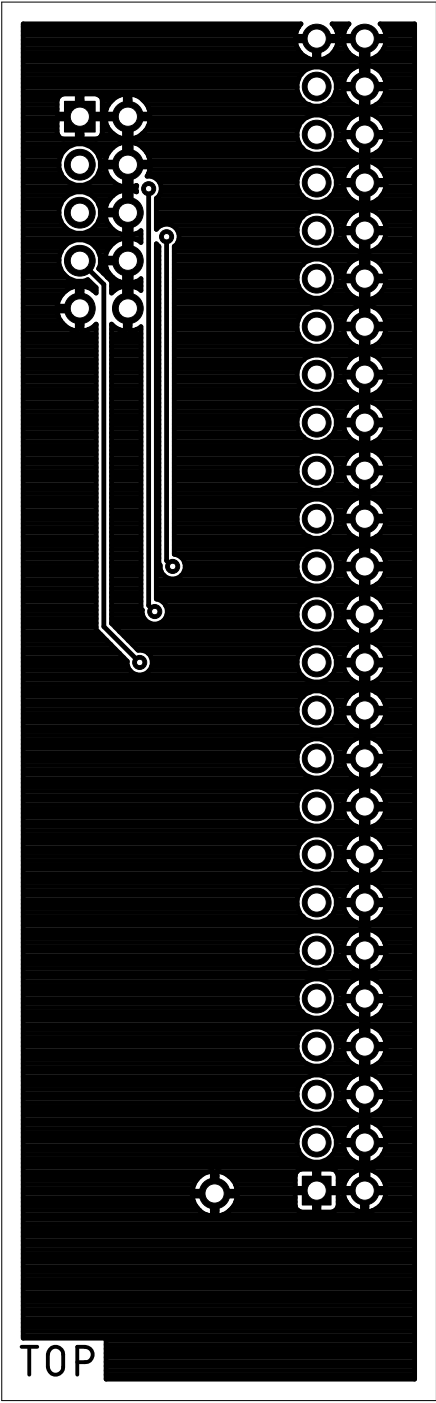
Sven Petersen 2023	Doc.-No.: 210-2-01-00	
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8296_Diag_J4		
17.05.2023 09:46		Rev.: 0
stopmask component side		



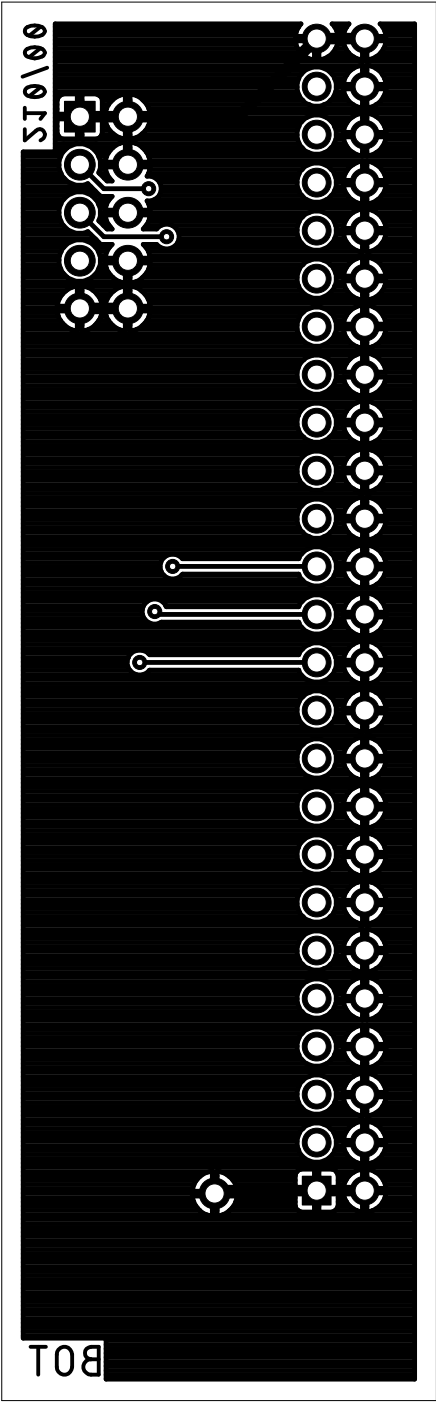
Sven Petersen 2023	Doc.-No.: 210-2-01-00	
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8296_Diag_J4		
17.05.2023 09:46		Rev.: 0
stopmask solder side		



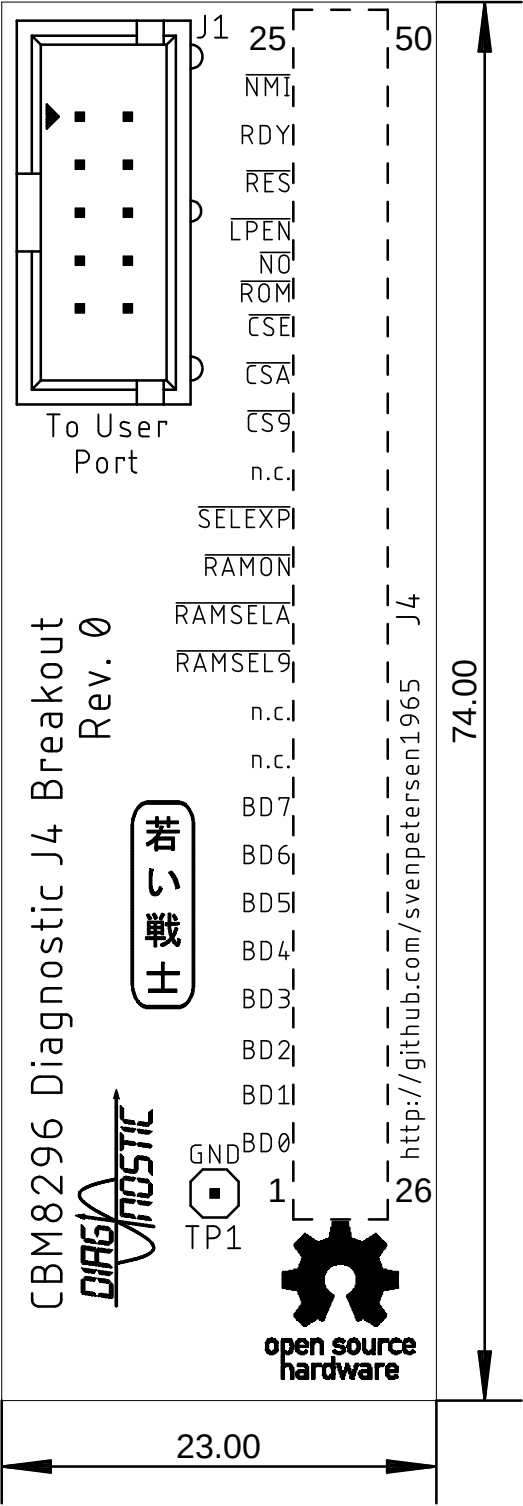
Sven Petersen 2023	Doc.-No.: 210-2-01-00	
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8296_Diag_J4		
17.05.2023 09:46		Rev.: 0
top		



Sven Petersen 2023	Doc.-No.: 210-2-01-00	
	Cu: 35µm	Cu-Layers: 2
8296_Diag_J4		
17.05.2023 09:46		Rev.: 0
bottom		



Sven Petersen 2023	Doc.-No.: 210-2-01-00	
	Cu: 35µm	Cu-Layers: 2
8296_Diag_J4		
17.05.2023 09:46		Rev.: 0
placement component side	measures	



Commodore CBM8296 Diagnostic: J4 Breakout Board Rev. 0

Bill of Material Rev. 0.0

Pos.	Qty	Value	Footprint	Ref.-No.	Comment
1	1	210-2-01-00	2 Layer	PCB Rev. 0	2 layer, Cu 35μ, HASL, 74.0 x 32.0, 1.6mm FR4
2	1	box connector, 2x5, 2.54mm	2X05WV	J1	e.g. Reichelt WSL 10G
3	1	pin header, 1 pin	1X01	TP1	optional ground pin for debugging, e.g. Distrelec 300-93-642 (RND 205-00622)
4	1	2x25 female, pitch 2.54mm	2x25 female	J4	female socket connector for 0.65sq pins, 2x25 pins, pitch 2.54mm. E.g. MPE 094-2-050, e.g. Reichelt.de MPE 094-2-050