

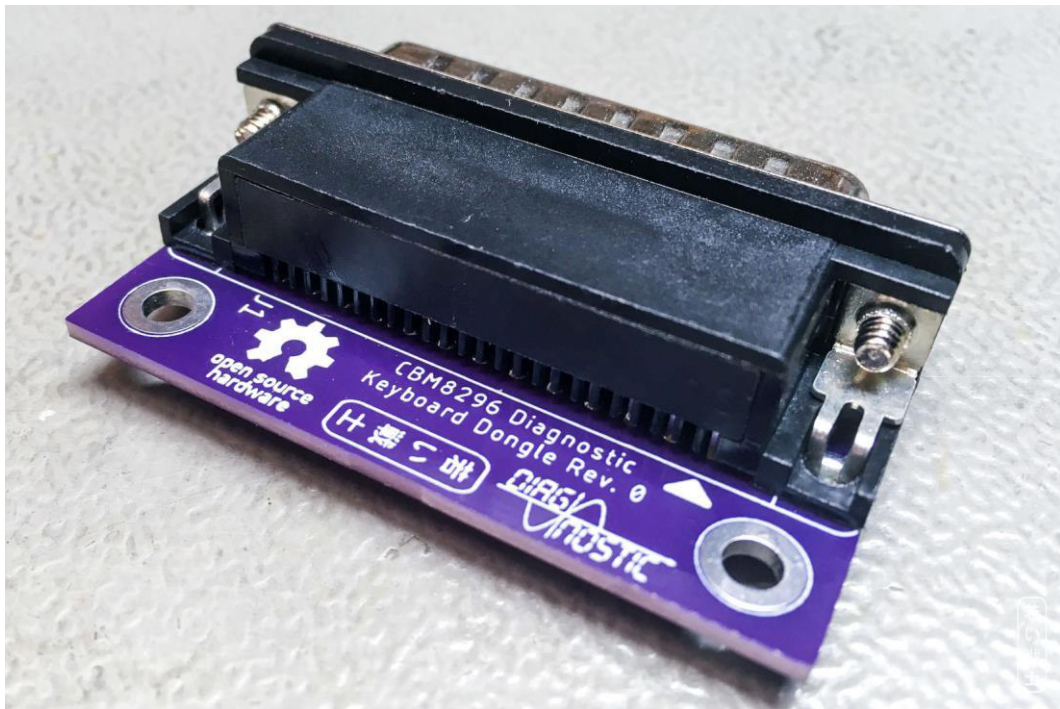
# Project Documentation

## Commodore CBM8296 Diagnostic: Keyboard Dongle

Project number: 212

Revision: 0

Date: 16.05.2023



# Commodore CBM8296 Diagnostic: Keyboard Dongle Rev. 0

## Module Description

### Introduction

This Keyboard Dongle is part of the diagnostic clip set for the Commodore CBM8296. The original Commodore part number is 324803-01. The feedback signals are directly wired to a D-Sub connector (25 pins, male). This Keyboard Dongle is based on a PCB.

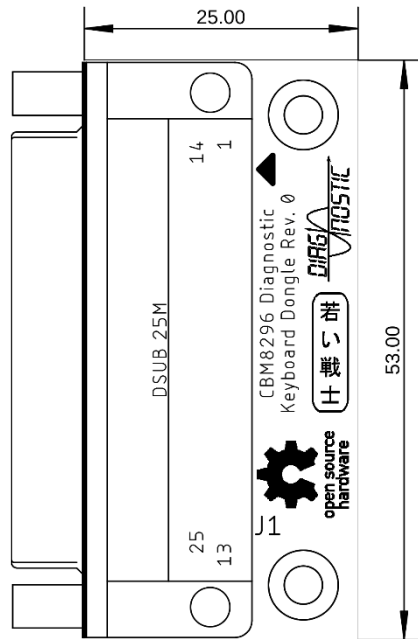


Figure 1: Dimensions of the Keyboard Dongle

### 3D-printed Case

The STL-files of the case are provided in the respective sub-folder of this project as is the label print.



Figure 2: CBM8296 User Port dongle in a 3D printed case with label

Recommended screws: 2 each of C2.9x6.5 self-tapping screws for sheet metal (C 2,9x6,5H, DIN 7981).

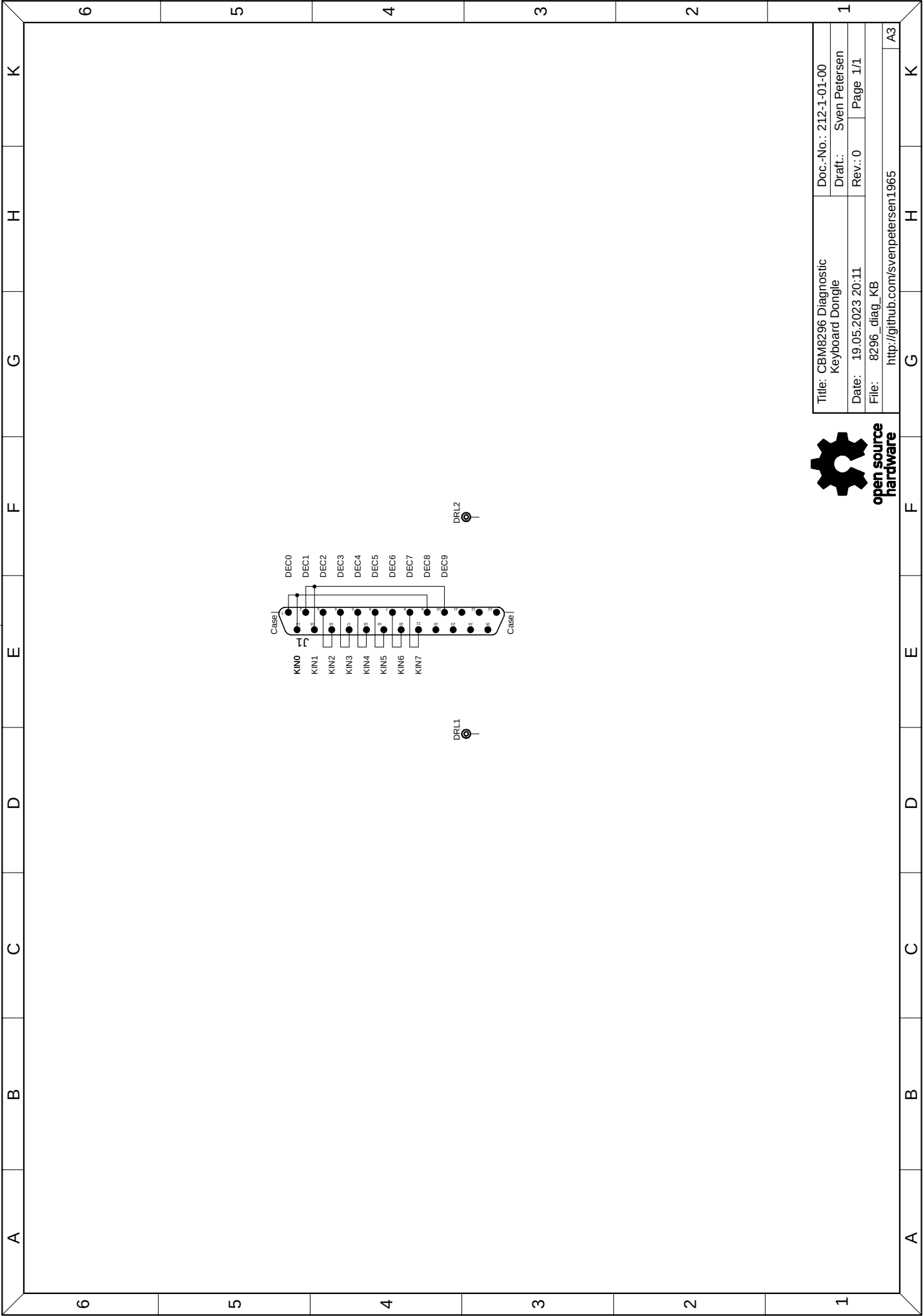
## Connections

Connection	Signals
1-9-14	DEC0 – DEC8 – KIN0
2-10-15	DEC1 – DEC9 – KIN1
3-16	DEC2 – KIN2
4-17	DEC3 – KIN3
5-18	DEC4 – KIN4
6-19	DEC5 – KIN5
7-20	DEC6 – KIN6
8-21	DEC7 - KIN7

## Revision History

### Rev. 0

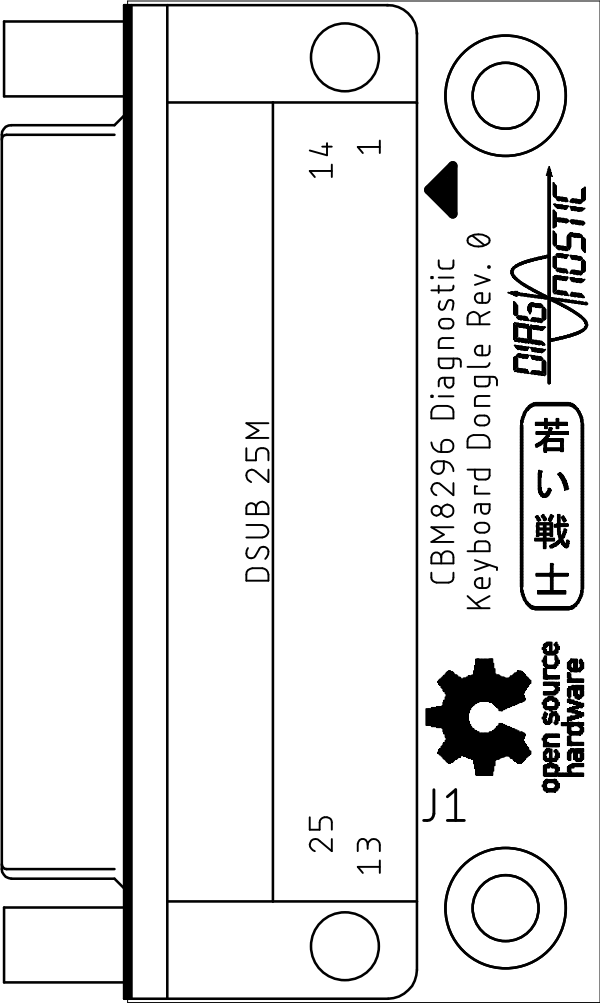
- Prototype, not yet tested.



open source  
hardware

Title: CBM8296 Diagnostic Keyboard Dongle		Doc.-No.: 212-1-01-00	
Date: 19.05.2023 20:11		Draft.: Sven Petersen	
File: 8296_diag_KB		Rev.: 0 Page 1/1	
http://github.com/svenpetersen1965		A3	

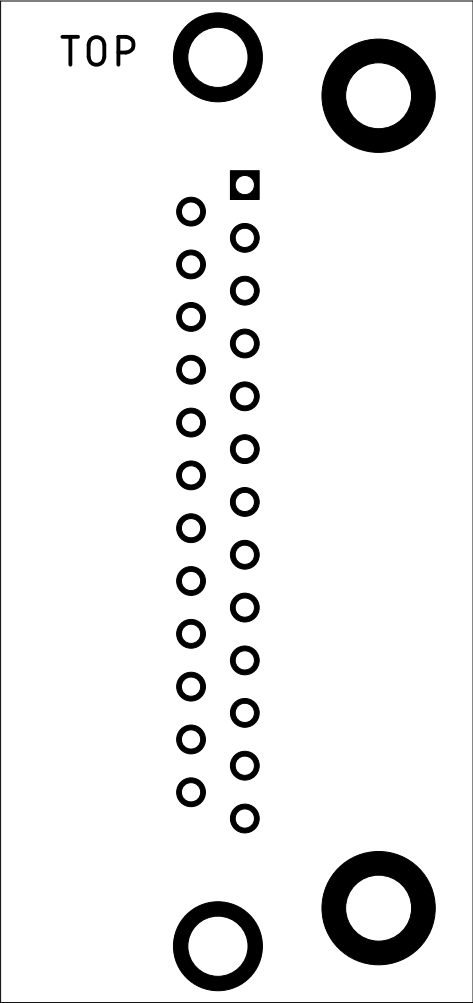
Sven Petersen 2023	Doc.-No.: 212-2-01-00	
	Cu: 35µm	Cu-Layers: 2
8296_diag_KB		
17.05.2023 10:41		Rev.: 0
placement component side    9bi2 19bJ02 t1n9m9c6Jq		



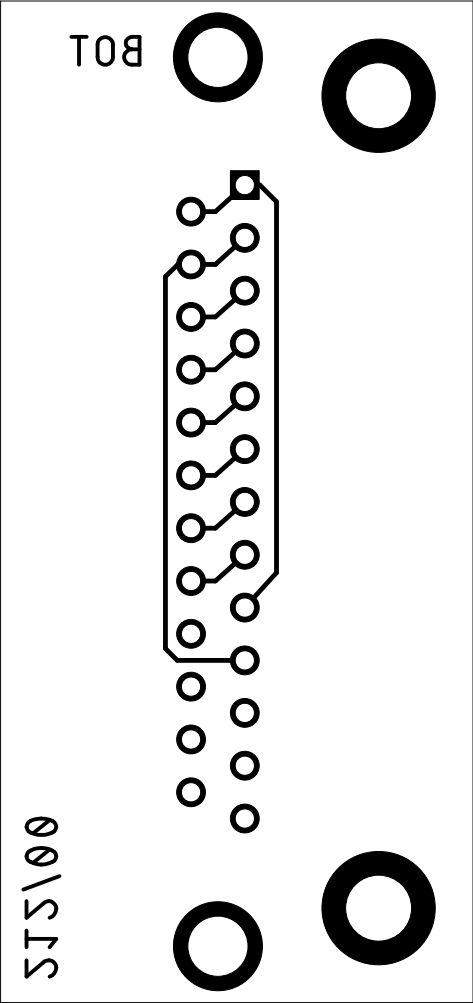
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8296_diag_KB		
17.05.2023 10:41		Rev.: 0
place name of job		



Sven Petersen 2023	Doc.-No.: 212-2-01-00	
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8296_diag_KB		
18.05.2023 10:59		Rev.: 0
top		

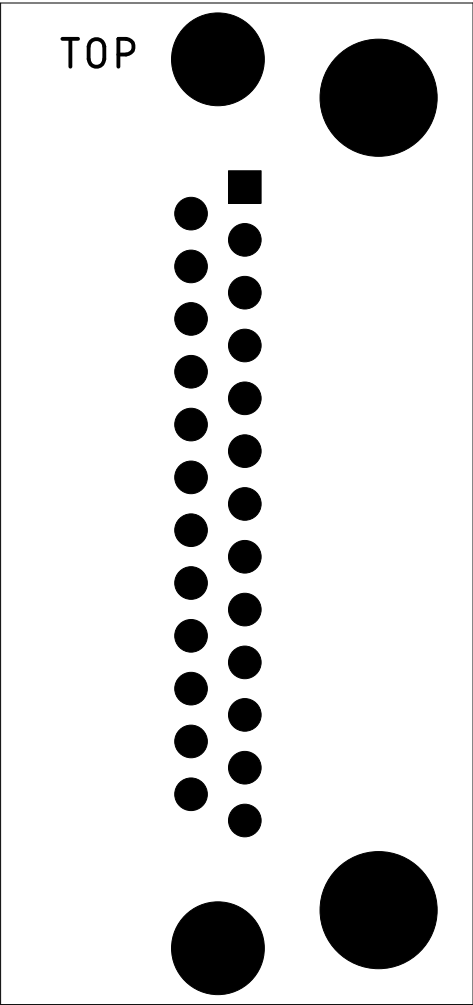


Sven Petersen 2023	Doc.-No.: 212-2-01-00	
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8296_diag_KB		
18.05.2023 10:59		Rev.: 0
bottom		

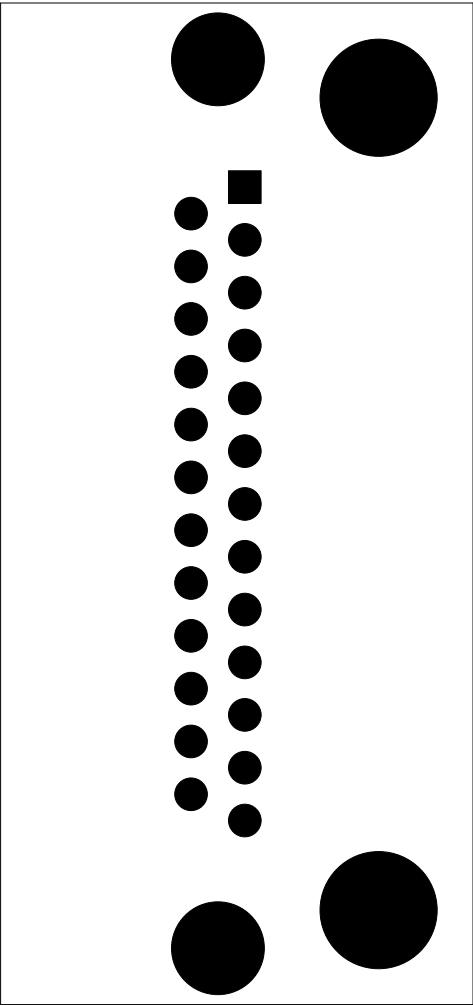




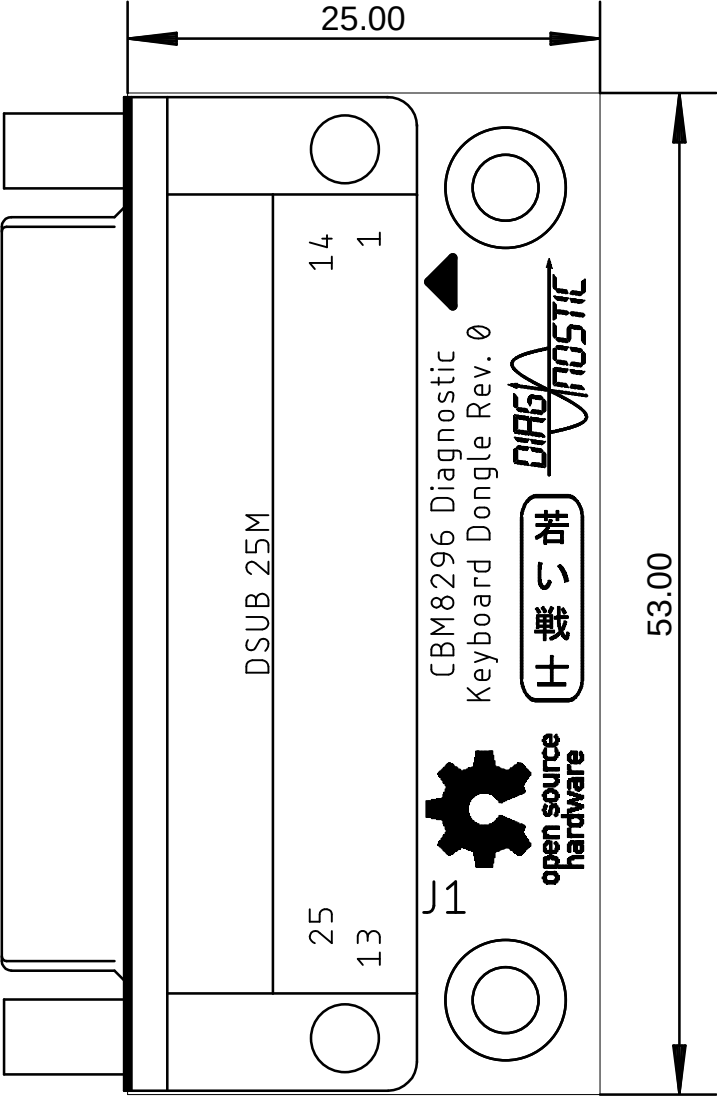
Sven Petersen 2023	Doc.-No.: 212-2-01-00	
	Cu: 35µm	Cu-Layers: 2
8296_diag_KB		
18.05.2023 10:59		Rev.: 0
stopmask component side		



Sven Petersen 2023	Doc.-No.: 212-2-01-00	
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8296_diag_KB		
18.05.2023 10:59		Rev.: 0
stopmask solder side		



Sven Petersen 2023	Doc.-No.: 212-2-01-00	
	Cu: 35µm	Cu-Layers: 2
8296_diag_KB		
17.05.2023 10:41		Rev.: 0
placement component side		



# Commodore CBM8296 Diagnostic: Keyboard Dongle Rev. 0

## Bill of Material Rev. 0.0

Pos.	Qty	Value	Footprint	Ref.-No.	Comment
1	1	212-2-01-00	2 Layer	PCB Rev. 0	2 layer, Cu 35 $\mu$ , HASL, 53.0 x 25.0, 1.6mm FR4
2	1	D-Sub 25 male, 90°, PCB, European	D25M90CLEU	J1	e.g. Reichelt.de D-SUB ST 25EU