Project Documentation

Diagnostic Rev. 586220 Harness - Keyboard Dongle

Project number: 116

Revision: 0

Date: 28.02.2019

Diag 586220 Harness - Keyboard Dongle

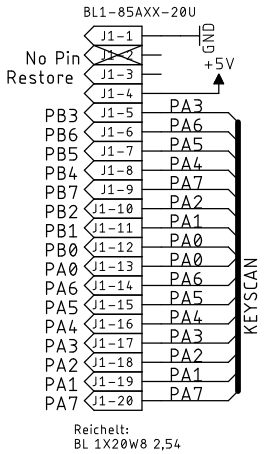
Module Description

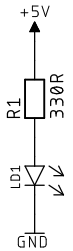
The Keyboard Dongle for Diag 586220 provides the required feedback connections for testing the C64's CIA U1, which the keyboard is connected to. A LED and current limiting resistor is connected between the +5V and GND pin of the keyboard. The Restore key is connected to a dedicated line and is not tested.

Connections

20p receptacle (pitch 2.54mm)

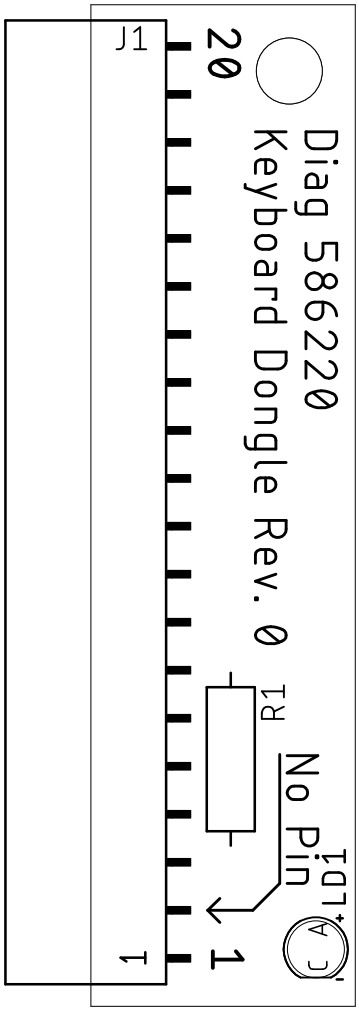
Pin	Signal		Signal	Pin
5	PB3	↔	PA3	17
6	PB6	↔	PA6	14
7	PB5	↔	PA5	15
8	PB4	↔	PA4	16
9	PB7	↔	PA7	20
10	PB2	↔	PA2	18
11	PB1	↔	PA1	19
12	PB0	↔	PA0	13





Title:	Diag 586220 Keyboard Test Dongle	Doc.-No.:	116-1-01-00
		Draft.:	Sven Petersen
Date:	01.03.2019 11:28	Rev.: 0	Page 1/1
File:	C64_Keyb-Test		
			A4

Sven Petersen 2019	Doc.-No.: 116-2-01-00	
	Cu: 35µm	Cu-Layers: 2
C64_Keyb-Test		
01.03.2019 11:34		Rev.: 0
placement component side		



Sven Petersen 2019	Doc.-No.: 116-2-01-00	
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01.03.2019 11:34		Rev.: 0
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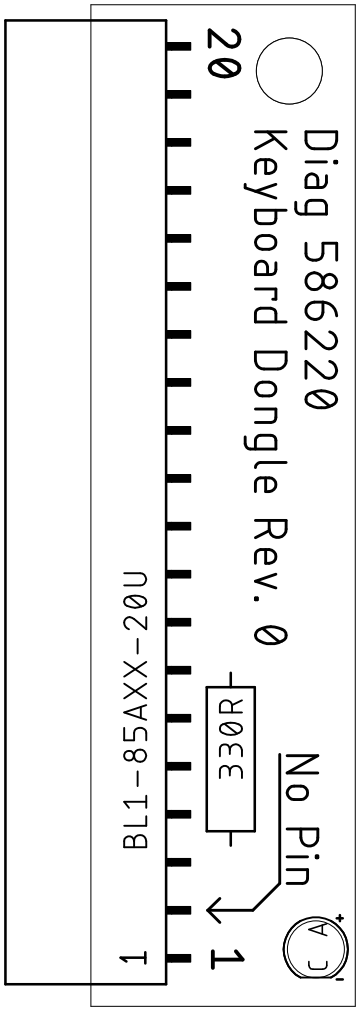

Sven Petersen 2019	Doc.-No.: 116-2-01-00	
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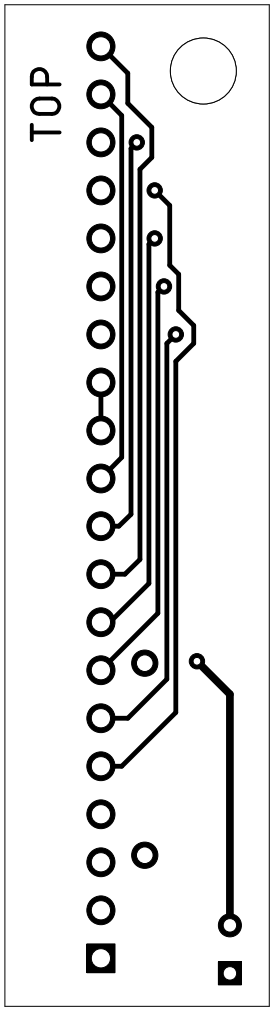
C64_Keyb-Test		
01.03.2019 11:34		Rev.: 0
top	[redacted]	



Sven Petersen 2019	Doc.-No.: 116-2-01-00	
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01.03.2019 11:34		Rev.: 0
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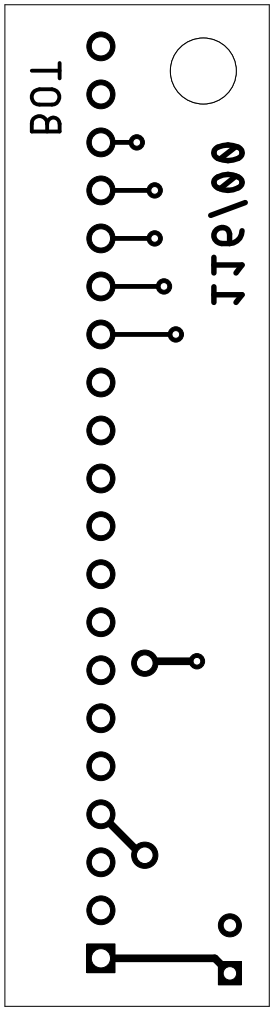

Sven Petersen 2019	Doc.-No.: 116-2-01-00	
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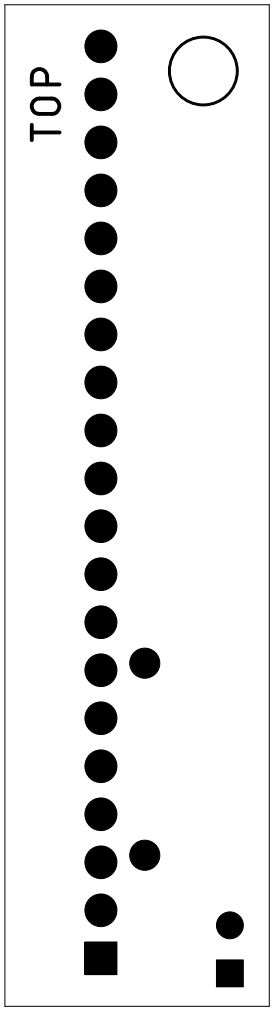
C64_Keyb-Test		
01.03.2019 11:34		Rev.: 0
stopmask component side		



Sven Petersen 2019	Doc.-No.: 116-2-01-00	
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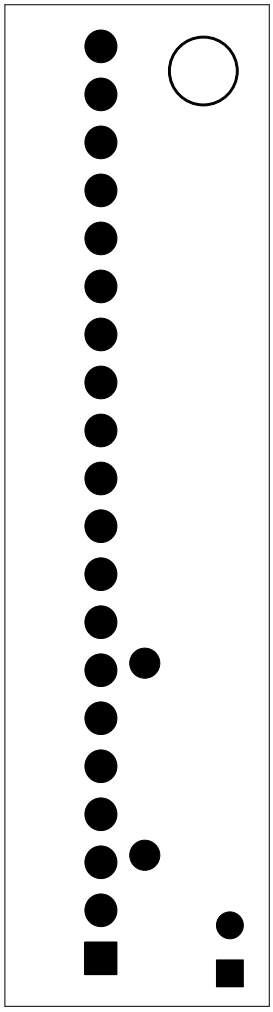
C64_Keyb-Test		
01.03.2019 11:34		Rev.: 0
stopmask solder side		



Sven Petersen 2019	Doc.-No.: 116-2-01-00	
	Cu: 35µm	Cu-Layers: 2
C64_Keyb-Test		
01.03.2019 11:34		Rev.: 0
placement component side measures