Commodore VIC-20 Diagnostic Keyboard PCB Rev. 0

Module Description

The Keyboard PBC provides the feedbacks for the keyboard connector, which are required for the Commodore VIC-20 Diagnostic software. The LED works as an alternative Power LED.
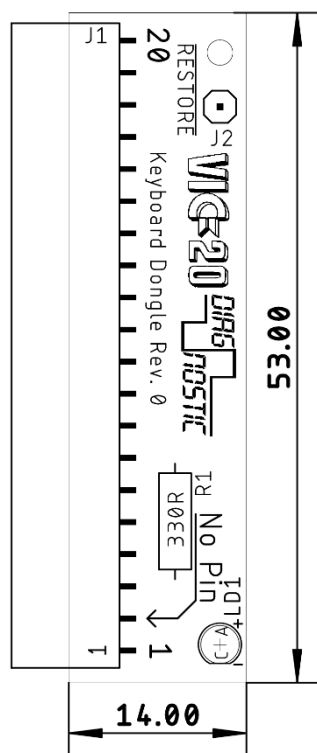

Figure 1: Dimensions of the Keyboard PCB

Connectors

Keyboard Connector (J1)

Pin	Signal
1	GND
2	No Pin
3	$\overline{\text{RESTORE}}$
4	+5V
5	COL7
6	COL6
7	COL5
8	COL4
9	COL3
10	COL2
11	COL1
12	COL0
13	ROW7
14	ROW6
15	ROW5
16	ROW4

Pin	Signal
17	ROW3
18	ROW2
19	ROW1
20	ROW0

$\overline{\text{RESTORE}}$ Cable (J2)

This is a solder pad for the RESTORE Cable (Doc.-No. 159-3-04-**) from the cable set. The cable is soldered to the pad and a knot serves as a strain relief.

Figure 2: Keyboard PCB with the RESTORE cable soldered to J2 and tied to the PCB

This cable is connected to a single pin of the User Port PCB.

Interconnects

Signal		Signal
$\overline{\text{RESTORE}}$	→	User Port Pin 9 (ATN)
COL7	↔	ROW7
COL6	↔	ROW6
COL5	↔	ROW5
COL4	↔	ROW4
COL3	↔	ROW3
COL2	↔	ROW2
COL1	↔	ROW1
COL0	↔	ROW0