

C64 Keyboard Controlled Kernal Switch Rev. 1

Bill of Material Rev. 1.1

Pos.	Qty Value	Footprint	Ref.-No.	Comment
1	1 128-2-01-01	2 Layer	PCB Rev. 1	2 layer, Cu 35μ, HASL, 101.2mm x 20.0mm, 1.6mm FR4
2	copper structure on pcb		CP1	no part, open Cutpad, close for ASSY250469
3	1 1x20	1X20	J5	pin header 1x20pin, 2.54mm pitch
4	1 1x7	1X07	J4	pin header 1x7pin, 2.54mm pitch
5	5 100n	0805	C1, C2, C3, C6, C7	SMD capacitor
6	4 10k	0805	R1, R2, R4, R5	SMD resistor, 5% or better
7	1 1M	0805	R3	SMD resistor, 5% or better
8	2 1k	0805	R6, R7	SMD resistor, 5% or better
9	2 22p	0805	C4, C5	SMD capacitor
10	1 ATMEGA328P-AU	QFP80P900X90 IC1 0X120-32N		Atmel/Micro Chip, e.g. Farnell 2443176
11	1 BC846B	SOT23	Q1	SMD transistor
12	1 16 MHz/20pF quarz	HC49SLF	X1	e.g. Fox Electronics, FOXSLF/160-20, Farnell 2063950
13	1 LL4148	SOD80C	D1	SMD diode
14	1 M20-7862042	M20-7862042	J1	Harwin, e.g. Farnell 1256661
15	1 WSL 6G	2X03WV	J2	box pin header, 2x3pin, 2.54mm pitch
16	1 1x5	1X05	J3	pin header 1x5pin, 2.54mm pitch
17	1 220R	0805	R8	SMD resistor, 5% or better
18	1 330R	0805	R9	SMD resistor, 5% or better
19	1 n/a	0805	R10	not placed

Rev. History

Pos.	Rev. 0 -> Rev. 1.1
1	PCB revision
4	Now 7 pin
17	new
18	new
19	new