

C64 Keyboard Controlled Kernal Switch Rev. 1

Bill of Material Rev. 1.0

Pos.	Qty	Value	Footprint	Ref.-No.	Comment
1	1	128-2-01-01	2 Layer	PCB Rev. 1	2 layer, Cu 35 μ , 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	3	1k	0805	R6, R7, R10	SMD resistor, 5% or better
9	2	22p	0805	C4, C5	SMD capacitor
10	1	ATMEGA328P-AU	QFP80P900X90 0X120-32N	IC1	Atmel/Micro Chip, e.g. Farnell 2443176
11	1	BC846B	SOT23	Q1	SMD transistor
12	1	16 MHz/20pF quartz	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	2	220R	0805	R8, R9	SMD resistor, 5% or better

Rev. History	
Pos.	Rev. 0 -> Rev. 1
1	PCB revision
4	Now 7 pin
8	R10 is new
17	new