

Commodore PET Diagnostic: Diagnostic Clip Rev. 2

Bill of Material Rev. 2.0

Pos.	Qty	Value	Footprint	Ref.-No.	Comment
1	1	163-2-01-02	2 Layer	PCB Rev. 2	2 layer, Cu 35 μ , HASL, 77.0mm x 47.0mm, 1.6mm FR4
2	1	external DPDT switch wired up	1X02	JP5	Reichelt.de: T217 or AliExpress SS22F25-G7 + 6cm AWG24 cable
3	1	2x20 box header, 2.54mm pitch	2X20WV	J1	2x20, box pin header or standard pin header, e.g. reichelt.de WSL 40G
4	2	100n/50V	C-2,5	C1, C2	cer. cap, 2.5mm pitch
5	5	10k	R-10	R1, R2, R3, R4, R6	1/4W, 5%
6	1	1N5908	DO-201	D1	5V TVS diode. ST Micro. E.g. Reichelt: 1N 5908, tme.eu: 1N5908
7	1	330R	R-10	R5	1/4W, 5%
8	1	3mm/gn	3MM	LD1	standard LED 3mm/green + 5mm distance holder for 3mm LED
9	1	74LS20	DIL-14	IC2	e.G. RENESAS, e.G. Reichelt LS 20
10	1	DIPSW-04	DIPSW-04V-COMBI	SW2	Standard DIP-Switch with 4 switches (switch side facing up) The DIP-Switch can be replaced with a 2 switch DIP Switch and hardwire switch 3 and 4. Reichelt NT 04 or NT 02
11	1	mini slide switch, 2.54mm, DPDT, through hole	DPDT_9MM	SW3	Ali Express, ebay, Amazon, search term "MSS22D18"
12	1	mini slide switch, 2.54mm, DPDT, through hole	DPDT_9MM	SW4	do not place
13	1	JTP-1130	JTP-1130	SW1	standard TACT switch 6mm x 6mm, height = 13mm
14	1	JUMPER1x3	1X03	JP6	do not place
15	1	M27C512-DIP28	DIL28-6	IC1	M27C512 EPROM (or M27C256 or M27C128)
16	1	DIP 28 socket, low profile		(IC1)	e.g. Reichelt.de: GS 28P
17	1	2x20 pin IDC receptacle, pitch 2.54mm			e.g. Reichelt.de: PFL 40
18	15	cm ribbon cable, 40p, AWG28			e.g. Reichelt.de: AWG 28-40G 3M