

BOM_RandomGates_2021-08-18

ID	Name	Designator	Footprint	Quantity	Manufacturer Part	Supplier	Supplier Part	Price	Ext. Price	Included w/Partial Kit
1	10u	C1,C2	CAP-D5.0x2.0	2	10UF 25V 105C RADIAL ELECTROLYTIC CAPACITOR 5X11MM	TAYDA	A-4534	\$0.02	\$0.04	
2	100nf	C3,C4	RAD-0.1	2	0.1UF 50V CERAMIC DISC CAPACITOR	TAYDA	A-553	\$0.01	\$0.02	
3	18pf	C5,C6	RAD-0.1	2	18PF 50V CERAMIC DISC CAPACITOR	TAYDA	A-522	\$0.01	\$0.02	
4	4.7nf	C7	RAD-0.1	1	0.047UF 50V CERAMIC DISC CAPACITOR	TAYDA	A-552	\$0.01	\$0.01	
5	1N4733	D1,D3	DO-41	2	1N4733 ZENER DIODE 1W 5.1V	TAYDA	A-169	\$0.04	\$0.08 x	
6	1N4148	D2	DO-35_BD2.0-L4.0-P8.00-D0.5-FD	1	1N4148 SWITCHING SIGNAL DIODE	TAYDA	A-157	\$0.01	\$0.01	
7	1N5818	D4	DO-41_BD2.4-L4.7-P8.70-D0.9-RD	1	1N5818 DIODE SCHOTTKY 1A 30V	TAYDA	A-252	\$0.07	\$0.07 x	
8	DIP	DIP1	HDR-M-2.54_2X5	1	40 PIN 2.54MM SINGLE ROW PIN HEADER STRIP	TAYDA	A-197	\$0.15	\$0.15	
9	ICSP	ICSP1	HDR-M-2.54_2X3	1	40 PIN 2.54MM SINGLE ROW PIN HEADER STRIP			\$0.00	\$0.00	
10	HDR-M-2.54_1x2	J2	HDR-M-2.54_1X2	1	40 PIN 2.54MM SINGLE ROW PIN HEADER STRIP			\$0.00	\$0.00	
	T1, T2, T3, G1, G2, G3, Input, INH, MODE	LED1		9	LED 3MM RED	TAYDA	A-261	\$0.02	\$0.18	
11	2N3904	Q1,Q2	TO-92-3_L4.9-W3.7-P2.54-L	2	2N3904 NPN GENERAL PURPOSE TRANSISTOR	TAYDA	A-111	\$0.02	\$0.04	
13	220	R1-6	R0805	6	220 OHM 1/8W 1% 0805 SMD CHIP RESISTORS	TAYDA	A-3049	\$0.01	\$0.06 x	
14	1k	R7-R16	R0805	10	1.0K OHM 1/8W 1% 0805 SMD CHIP RESISTORS	TAYDA	A-3065	\$0.01	\$0.10 x	
15	1k	R17	R_AXIAL-0.3	1	1K OHM 1/4W 1% METAL FILM RESISTOR ROYAL OHM TOP QUALITY	TAYDA	A-2200	\$0.01	\$0.01	
16	10k	R18	R_AXIAL-0.3	1	10K OHM 1/4W 1% METAL FILM RESISTOR ROYAL OHM TOP QUALITY	TAYDA	A-2203	\$0.01	\$0.01	
17	Button	SW1	TACTILE SWITCH THT 6X6MM	1	TACT SWITCH 6*6MM 13MM THROUGH HOLE SPST-NO	TAYDA	A-5156	\$0.07	\$0.07 x	
18	PWR	U1	EURORACK SHROUDED POWER 10 PIN	1	Connector Shrouded Header 10 Position 0.100" (2.54mm) Solder Straight Thru-Hole JAMECO 7110-10SG-R	JAMECO	7110-10SG-R	\$0.59	\$0.59	
19	Jacks	U2	Thonkiconn Jack	8	PJ398SM Thonkiconn	Thonk		\$0.40	\$3.20	
20	L78L05	U12	TO-92-3_L4.9-W3.7-P2.54-L	1	L78L05ACZ L78L05 78L05 +5 VOLTS 100MA VOLTAGE REGULATOR IC	TAYDA	A-176	\$0.15	\$0.15	
21	10K	VR1,VR2,VR3	9MM ALPHA Pot	3	TAYDA 10K OHM LINEAR TAPER POTENTIOMETER ROUND SHAFT PCB 9MM	TAYDA	A-5515	\$0.59	\$1.77	
22	HC49/US	Y1	HC49US	1	16.000 MHZ 16 MHZ CRYSTAL HC-49/S LOW PROFILE	TAYDA	A-230	\$0.10	\$0.10 x	
23	ATMega328 P PU	U5	ATMEGA328 P PU	1	ATMEGA328P-PU ATMEGA328 MICROCONTROLLER IC	TAYDA	A-854	\$2.79	\$2.79 x	
				28	PIN DIP IC SOCKET ADAPTOR SOLDER TYPE	TAYDA	A-1601	\$0.11	\$0.11 x	
				59				\$9.47	\$3.38	