Xii-Boy Ultra PCB BOM

Trigger PCB

Reference	Quantity	Description	Manufacter Part Number	Link
J1, J3	2	CONN FFC BOTTOM 5POS 0.5MM R/A	5051100592	https://www.digikey.com/en/products/detail/molex/5051100592/5700453
J2	1	CONN FFC BOTTOM 8POS 0.5MM R/A	5051100892	https://www.digikey.com/en/products/detail/molex/5051100892/5700456
SW1, SW2	2	SWITCH TACTILE SPST-NO 0.05A 32V	KSC201G LFS	https://www.digikey.com/en/products/detail/c-k/KSC201G-LFS/1003819

Controller PCB

Reference	Quantity	Description	Manufacter Part Number	Link
J1	1	CONN FFC BOTTOM 18POS 0.5MM R/A	5051101892	https://www.digikey.com/en/products/detail/molex/5051101892/5700466
J2, J3	2	CONN FFC BOTTOM 5POS 0.5MM R/A	5051100592	https://www.digikey.com/en/products/detail/molex/5051100592/5700453
J4, J5	2	CONN HEADER SMD R/A 2POS 1.25MM	532610271	https://www.digikey.com/en/products/detail/molex/0532610271/699094
J6	1	CONN HEADER SMD R/A 2POS 1MM	5037630291	https://www.digikey.com/en/products/detail/molex/5037630291/5021017
SW1	1	SWITCH TACTILE SPST-NO 0.05A 15V	TL3315NF250Q	https://www.digikey.com/en/products/detail/e-switch/TL3315NF250Q/1870396
U1	1	4LayerTech GC+ 2	GC+ 2.0	https://4layertech.com/products/gc-2

Xii-DD

Reference	Quantity	Description	Manufacter Part Number	Link
J1	1	CONN FFC BOTTOM 40POS 0.5MM R/A	5051104091	https://www.digikey.com/en/products/detail/molex/5051104091/5254662
J2	1	CONN FFC BOTTOM 18POS 0.5MM R/A	5051101892	https://www.digikey.com/en/products/detail/molex/5051101892/5700466
U1	1	4LayerTech RVL-DD 3.5"	RVL-DD 3.5"	https://4layertech.com/products/rvl-dd

Xii-Strip

Reference	Quantity	Description	Manufacter Part Number	Link
TH1	1	THERMISTOR NTC 10KOHM 3380K 0603	NCU18XH103E60RB	https://www.digikey.com/en/products/detail/murata-electronics/NCU18XH103E60RB/8323959

Main PCB

Reference	Quantity	Description	Manufacter Part Number	Link
C1	1	CAP CER 0.1UF 16V X7R 0402	CL05B104KO5NNNC	https://www.digikey.com/en/products/detail/samsung-electro-mechanics/CL05B104KO5NNNC/3886659
LED1	1	WS2812B 5V 4020 LED	WS2812B 4020	https://de.aliexpress.com/item/1005003999865721.html
J1	1	CONN FFC BOTTOM 50POS 0.5MM R/A	5051105091	https://www.digikey.com/en/products/detail/molex/5051105091/5254664
J2	1	CONN FFC BOTTOM 40POS 0.5MM R/A	5051104091	https://www.digikey.com/en/products/detail/molex/5051104091/5254662
J3	1	CONN FFC BOTTOM 8POS 0.5MM R/A	5051100892	https://www.digikey.com/en/products/detail/molex/5051100892/5700456
J4	1	CONN RCPT 16POS SMD GOLD	541020164	https://www.digikey.com/en/products/detail/molex/0541020164/3197036
J5	1	CONN RCPT 20POS SMD GOLD	529910208	https://www.digikey.com/en/products/detail/molex/0529910208/1059850
J6	1	CONN HEADER SMD R/A 2POS 1MM	5037630291	https://www.digikey.com/en/products/detail/molex/5037630291/5021017
J7	1	CONN JACK STEREO 3.5MM SMD R/A	SJ-3524-SMT-TR	https://www.digikey.com/en/products/detail/cui-devices/SJ-3524-SMT-TR/281298
R1, R2, R3, R4	1	RES 10K OHM 5% 1/16W 0402	RC0402JR-0710KL	https://www.digikey.com/en/products/detail/yageo/RC0402JR-0710KL/726418
R5	1	RES 1K OHM 5% 1/16W 0402	RC0402JR-071KL	https://www.digikey.com/en/products/detail/yageo/RC0402JR-071KL/726408
R6	1	RES SMD 100 OHM 5% 1/16W 0402	AC0402JR-07100RL	https://www.digikey.com/en/products/detail/yageo/AC0402JR-07100RL/5895570
SW1 - SW6	6	SWITCH TACTILE SPST-NO 0.05A 12V	TL3340AF160QG	https://www.digikey.com/en/products/detail/e-switch/TL3340AF160QG/1885973
SW7, SW8	2	SWITCH TACTILE SPST-NO 0.05A 32V	KSC201G LFS	https://www.digikey.com/en/products/detail/c-k/KSC201G-LFS/1003819
U1	1	4LayerTech PMS PD3	PMS PD3	https://4layertech.com/products/pms-pd-3
U2	1	4LayerTech RVL-PMS-2	RVL-PMS-2	https://4layertech.com/products/rvl-pms-2
U3	1	4LayerTech RVL-AMP	RVL-AMP	https://4layertech.com/products/rvl-amp
U4	1	Protection Circuit Module	DW01A	https://www.aliexpress.com/item/1005006303166731.html
U5	1	Dual Mosfet IC	FS8205A	https://www.aliexpress.com/item/1005007432254537.html
Xii-Strip Pogo Pin	12	CONTACT SPRING LOADED SMD GOLD	0900-1-15-20-75-14-11-0	https://www.digikey.com/en/products/detail/mill-max-manufacturing-corp/0900-1-15-20-75-14-11-0/663499
Battery Clips	4	BATT CONTACT SPRING MULTIPLE SMD	1020-1	https://www.digikey.com/en/products/detail/keystone-electronics/1020-1/5118841
Light Pipe	1	2.6MM ROUND LIGHT PIPE	LPA-C011302S-2	https://www.digikey.com/en/products/detail/lumex-opto-components-inc/LPA-C011302S-2/7364481?

Other

Reference	Quantity	Description	Manufacter Part Number	Link
Light Pipe	1	2.6MM ROUND LIGHT PIPE	LPA-C011302S-2	https://www.digikey.com/en/products/detail/lumex-opto-components-inc/LPA-C011302S-2/7364481?
Picolock cable	1	CABLE-ASSY PICOLOCK 2 CIRCUIT 60	151310206	https://www.digikey.com/en/products/detail/lumex-opto-components-inc/LPA-C011302S-2/7364481?
WiFi antenna	2	RF ANT 2.4GHZ FLAT PATCH IPEX	ANTX200P001B24003	https://www.digikey.com/en/products/detail/pulse-electronics/ANTX200P001B24003/3927174
Rumble Motor	1	VIBRATION LRA MTR 2V LINEAR 1.8G	VL120628H	https://www.digikey.com/en/products/detail/vybronics-inc/VL120628H/15220801