

Escornabot CPU 2.12

Qty	Value	Device	Package	Parts	Description	LCSC
5	B3F-4055	B3F-4055	B3F-4055	S1.1, S2.1, S3.1, S4.1, S5.1	OMRON SWITCH	C84931
4	B5B-XH-A	B5B-XH-A	B5B-XH-A	XH1, XH2, or (XH3, XH4)	HX Connector	C5306531
2	2.54 mm 1 X 15 header	2.54 mm 1 X 15 header	2.54 mm 1 X 15 header	SV2, SV3	FEMALE HEADER	C124408
1	2.54 mm 2 X 4 pin	2.54 mm 2 X 4 pin	2.54 mm 2 X 4 pin	U2	FEMALE HEADER	C92271
1	2.54 mm 1 X 2 pin	2.54 mm 1 X 2	2.54 mm 1 X 2	JP1	JUMPER with cap	C5116481
2	2.54 mm 1 X 4 header	MA04-1	2.54 mm 1 X 4 header	SV4, U3	PIN HEADER	C2718488
2	AK550/2	AK550/2	AK550/2	X1, X1.1	Screw terminal 3.5mm	C784940
1	SK12D07	SK-12D06	SK-12D07	S7.1	Slide sw	C431547
1	ULN2803	ULN2803A	DIL18	IC1	DRIVER ARRAY	C73936
1	F/CM12P	F/CM12P	F/CM12P	SG1	BUZZER 12mm (7mm)	C2689171

THT Option						
1	BLUE	LED3MM	LED3MM	LED1	LED 3mm	C2895474
1	RED	LED3MM	LED3MM	LED2	LED 3mm	C99771
1	YELOW	LED3MM	LED3MM	LED3	LED 3mm	C409800
1	GREEN	LED3MM	LED3MM	LED4	LED 3mm	C568935
2	100nF	C-EU025-025X050	C025-025X050	C1, C2	CAPACITOR	C353903
1	22K	R-EU_0204/7	0204/7	R5	RESISTOR	C61301
8	10K	R-EU_0204/7	0204/7	R1, R2, R3, R4, R7, R11, R12, R14	RESISTOR	C61299
1	18K	R-EU_0204/7	0204/7	R13	RESISTOR	C70811
4	1K	R-EU_0204/7	0204/7	R6, R8, R9, R10	RESISTOR	C66649
1	1N5817	P4KEXX	DO41-10	D1	DIODE	C698892
1	PFRA.050	FUSET E5	TE5	F1	Fuse	C1562414

SMD Option						
1	BLUE	LED 0603	SMD 0603	LED1.1	LED 0603	C434421
1	RED	LED 0603	SMD 0603	LED2.1	LED 0603	C434419
1	YELOW	LED 0603	SMD 0603	LED3.1	LED 0603	C434424
1	GREEN	LED 0603	SMD 0603	LED4.1	LED 0603	C434420
2	100nF	100nF/16 1206	SMD 1206	C1.1, C2.1	CAPACITOR	C2858001
1	22K	R22K	SMD 0603	R5.1	RESISTOR	C3016353
8	10K	R10K	SMD 0603	R1.1, R2.1, R3.1, R4.1, R7.1, R11.1, R12.1, R14.1	RESISTOR	C3017715
1	18K	R18K	SMD 0603	R13.1	RESISTOR	C3017709
4	1K	R1K	SMD 0603	R6.1, R8.1, R9.1, R10.1	RESISTOR	C3017736
1	SS14	SS12 / SS32	DO214	D1.1	SCHOTTKY BARRIER RECTIFIER	C2480
1	MF200-2	FUSET E5	SMD 1206	F1.1	PTC Resettable Fuse	C89656

Optional (not required, if mounting Nano Robotdyn)						
1	1117-3.3	ASM1117-3.3	SOT223	U6	IDCHIP 1117-3.3	C5125088
1	1uF	C-EUC1206	C1206	C1.2	CAPACITOR	C2858003