

uPAD and Backpack Related Items

Index	QTY	Description	Comment	Got it!
1	1	5V AC/DC adapter Label Supply label	Label to immediately apply to your AC/DC adapter	
2	1	uPAD 2.0	Xmega128A1U module	
3	1	uPAD Memory Base 2.X	parallel SRAM and SPI ROM LSA port for EBI and SPI and EBI breadboard connections	
4	1	uPAD switch and LED Backpack	dip switch tactile switches LEDs and a LSA port	
5	1	uPAD Analog Backpack	differential analog input +-5V, CDS cell analog input, speaker amplifier (Xmega DAC driven)	
6	1	uPAD Robotics Backpack	16-bit gyroscope (3-axis) 16-bit accelerometer (3-axis) both can communicate over SPI or I2C, dual motor driver, LSA port for SPI/I2C	
7	1	USB A male to B male cable		
8	4	1/2" 2x56 mounting screws	Used to connect the uPAD and memory base when the EBI board isn't connected	
9	4	7mm spacers #2 hole	goes between the uPAD and memory base and EBI breakout board	
10	4	5/8" 2-56 standoffs		
11	4	8-pin female headers		
12	1	3D printed speaker mount	fabricated by OOTB	
13	1	8Ω Speaker	cannot be substituted. PCB designed for this speaker	
14	1	DC Gearmotor and wires		
15	1	6-pin screw terminal	used to connect a motor	
16	1	5V AC/DC adapter	required for analog backpack, and to drive motors	
17	1	8x DIP switch		
18	4	40-pin headers		
19	1	CdS Cell	cannot be substituted. PCB designed for this sensor	
20	4	M2x10mm screws	mounting the speaker	
21	1	3D printed mounting plate	mounting the speaker (m2 nuts self-tap into plastic)	
22	1	Shunt	2-pin jumper (black)	
23	1	Memory Base	EBI signals broken out for use with a breadboard	
24	2	right angle header	connects the EBI breakout board to a breadboard	
25	1	74HC573 8-bit 3-state transparent latch		
26	1	74HC574 8-bit 3-state D flip-flop		