

Quantity	Part number	Distributor	Part description	Board designation	Manufacturer	Manufacturer's part number	Price each	Minimum quantity	Total price
1	PIC2840A		http://www.geocities.com/mengjinsu	PC board	Mengjin Su	PIC2840A	7.50	1	7.50
7	399-2155	Digi-Key	0.1 uf ceramic radial capacitor	E1,2,3,4, C3, U1,U2	Kemet	C320C104M5U5CA	0.16	10 for 1.21	1.21
2	P835	Digi-Key	33 uf @ 35V polarized electrolytic capacitor	E5,E6	Panasonic	ECE-A1VKA330	0.34	1	0.68
1	10KQBK	Digi-Key	10 kilohm, 5%, 1/4W resistor	R1	Yageo	CFR-25JB-10K		5 for 0.28	0.28
1	X443	Digi-Key	10 MHz crystal	Y	ECS	ECS-100-18-4	0.80	1	0.80
2	399-1890	Digi-Key	22 pf ceramic radial capacitor	C1,C2	Kemet	C315C220J2G5CA	0.28	1	0.56
1	ED3116	Digi-Key	16-pin DIP socket	U3S	Mill-Max	110-99-316-41-001	0.65	1	0.65
1	ED3740	Digi-Key	40-pin DIP socket	U2S	Mill-Max	110-99-640-41-001	1.62	1	1.62
1	WM4000	Digi-Key	2-pin header for reset contacts in E7	E7	Molex	22-03-2021	0.25	1	0.25
1	CP-202A	Digi-Key	Power supply connector - 2.1 mm barrel connector	J1	CUI Stack	PJ-202A	0.38	1	0.38
1	1KAB05E	Digi-Key	Bridge rectifier	B1	International Rect.		0.52	1	0.52
1	LM340T-5.0	Digi-Key	Voltage regulator - 5V @ 1A - TO220	U4	National Semi.	LM340T-5.0	0.90	1	0.90
5	H342	Digi-Key	Phillips panhead machine screws, 4-40 x 1/4"	U4, Corner standoffs	Building Fasteners	PMS 440 0025 PH		100 for 1.11	1.11
1	H216	Digi-Key	4-40 hex nuts	U4	Building Fasteners	HNZ440		100 for 0.93	0.93
1	A23303	Digi-Key	DB-9 female serial cable connector	CON2	AMP	747844-4	1.94	1	1.94
4	3480K	Digi-Key	0.25" dia. 0.5" long cylindrical threaded standoff	Corner standoffs	Keystone	3480		10 for 2.37	2.37
1	PIC18F452-I/P	Digi-Key	PIC microcontroller with flash memory, 40-pin DIP	U2	Microchip	PIC18F452-I/P	9.38	1	9.38
1	MAX232ACPE	Digi-Key	RS-232 interface chip - 16-pin DIP	U3	Maxim	MAX232ACPE	4.88	1	4.88
1	T405-P5P	Digi-Key	9 VDC@500 mA wall transformer, 2.1mm barrel conn.	Plugs into J1	CUI Stack	DPD090050-P5P	5.08	1	5.08
1	AE1020	Digi-Key	DB-9 male to DB-9 female cable	CON2	Assmann	AK131-2	5.35	1	5.35
1	1.0KQBK	Digi-Key	1.0 kilohm, 5%, 1/4W resistor	Add-on	Yageo	CFR-25JB-1K0		5 for 0.28	0.28
1	P403	Digi-Key	Red LED, high brightness, T-1 package	Add-on	Panasonic	LN28RAL(US)	0.39	1	0.39
Total =									47.06

PIC2840A Prototype Board Parts and Prices