

Simple Travel Clock Parts List

1	Pre-programmed PIC16F690-I/P
1	32768 Hz “watch” crystal
2	27 pF ceramic capacitors
1	100 nF monolithic capacitor
8	330 Ω 1/4W resistors
1	10 k Ω 1/4W resistor
4	1 k Ω 1/4W resistors
4	BC548 NPN transistors
4	0.52” common-cathode 7-segment LED displays (e.g. Kingbright SC52-11SRWA)
2	9 mm PCB push button switches
1	Sub miniature horizontal PCB SPDT slide switch
1	PCB ext drive piezo sounder, 10mm spacing (e.g. muRata PKM22EPPH4001-B0)
1	12-pin snappable 0.1” pitch SIL pin header strip
1	20-pin DIP IC socket
1	2-way AAA flat battery holder with fly leads
2	AAA cell batteries (preferably alkaline)
	Double-sided foam tape (to mount battery holder)
4	16 mm adhesive PCB supports
	Suitable instrument case, at least 120 mm \times 80 mm \times 35 mm (e.g. Jaycar HB-5960)