

Alarm Clock v1.4

Bill of Materials

Part's Name	Package (Raster)	Value	QTY.
D1	DO35-10mm	1N4004 (1N4001)	1
R1, R4	0207-10mm	330R	2
R2		549R	1
R3, R5, R8, R9, R14, R15		4k7	6
R6		27R	1
R7, R11, R12		1k	3
R10		10R	1
C1, C16	2.5mm, Dia.6mm	100u electrolytic	2
C2, C4		10uF	2
C18		1uF electrolytic	1
C3, C5, C6, C9, C10, C11, C14, C15, C17	2.5mm	100nF	9
C7, C8		22pF	2
C12		1nF	1
T1	TO92	BC547	1
Q1, Q2		2N7000	2
IC1	TO220	7805	1
IC2	TO92	LM317	1
IC3	DIP28	ATMEGA328P_DIP28	1
IC4	DIP08	DS1307	1
IC5	DIP08	TDA7052A	1
XTAL1	HC49U70	16MHz	1
XTAL2	XTAL_CYL_S	32.768kHz	1
LED1	LED 3mm	Blue LED	1
POT Volume	TRIMMER_H	10K	1
BAT1	CR2032 Holder TH	Backup 3V CR2032 Battery	1
JP4	1X16-M 2.54mm V	LCD Header	1
Buzzer	Piezo 12mm	Piezo Buzzer	1
Speaker	36 x 5.4mm	Ekulit LSM-36M/B 1W/ 8Ohm	2
Temp. Sensors	TO92 and Water Proof Wired	DS18B20	2
FM Radio Module	Breakboard Module	TEA5767	1
Volume Pot.		1M	1

all components with the exception of the FM Radio Module are in TH-T Packages