

GPS Clock and Armageddon Alarm - Rev A  
 Jed Margolin  
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RefDes	Value	Description	Lead Spacing
C1	100uF	Capacitor, Electrolytic	0.2"
C2	0.1	Capacitor, Monolythic Ceramic	0.1"
C3	0.1	Capacitor, Monolythic Ceramic	0.1"
C4	10uF	Capacitor, Electrolytic	0.1"
C5	0.1	Capacitor, Monolythic Ceramic	0.1"
C6	0.1	Capacitor, Monolythic Ceramic	0.1"
C7	10uF	Capacitor, Electrolytic	0.1"
C8	0.1	Capacitor, Monolythic Ceramic	0.1"
C9	1000pF	Capacitor, Monolythic Ceramic	0.1"
C10	0.1	Capacitor, Monolythic Ceramic	0.1"
C11	0.1	Capacitor, Monolythic Ceramic	0.1"
C12	0.1	Capacitor, Monolythic Ceramic	0.1"
C13	4700pF	Capacitor, Mylar, 5%	0.2"
C14	4700pF	Capacitor, Mylar, 5%	0.2"
C15	0.1	Capacitor, Monolythic Ceramic	0.1"
C16	0.1	Capacitor, Monolythic Ceramic	0.1"
C17	0.1	Capacitor, Monolythic Ceramic	0.1"
C18	4700pF	Capacitor, Mylar, 5%	0.2"
D1		Green LED	
GPS1		NEO6M GPS Module, Red Board with Antenna 5-position female header (0.1") for board	18.5 mm high
J1		Male Header 1x4, 0.1" spacing	HDR-1x4 3 mm high
J2		Male Header 1x4, 0.1" spacing	HDR-1x4 3 mm high
LCD1		LCD1602 16 x 2 16-position female header (0.1") for board 16-position male header (0.1") for LCD (4) M3 x 10 Nylon Standoffs, F-F (4) Nylon Washers M3 x 6 x 1 (8) M3 x 6 Screws	18.5 mm high 3 mm high eBay eBay eBay
PB1		Push Button Switch, PCB, 6*6*4.3mm, 4-pin	eBay
PB2		Push Button Switch, PCB, 6*6*4.3mm, 4-pin	
PB3		Push Button Switch, PCB, 6*6*4.3mm, 4-pin	
PB4		Push Button Switch, PCB, 6*6*4.3mm, 4-pin	
R1	220K	Resistor, carbon film, 1/4W 5%	
R2	10K	Resistor, carbon film, 1/4W 5%	
R3	10K	Trim Pot, 3362P	
R4	100	Resistor, carbon film, 1/4W 5%	
R5	100K	Resistor, carbon film, 1/4W 5%	
R6	100K	Resistor, carbon film, 1/4W 5%	

R7	100K	Resistor, carbon film, 1/4W 5%
R8	100K	Resistor, carbon film, 1/4W 5%
R9	33K	Resistor, carbon film, 1/4W 5%
R10	10K	Resistor, carbon film, 1/4W 5%
R11	1K	Resistor, carbon film, 1/4W 5%
R12	10K	Trim Pot, 3362P

SW1	SPDT	The SPDT switch pins are on 0.1” centers.
SW2	SPDT	They are really inexpensive on eBay where they are called <b>“SS12D00G3 2 Position SPDT 1P2T 3 Pin PCB Panel Slide Switch”.</b>

U1	7805	TO-220	
U2	MSP430G2553IN20	PDIP	
U3	LD1117-3.3V	TO-220	
U4	MSP430G2402IN20	PDIP	
U5	TL062CP	PDIP	<b>Not</b> eBay

Miscellaneous IC Sockets with machine tooled pins  
(2) 20 pin  
(1) 8 pin

For the Board  
(4) M3x18 Nylon Standoffs F-F eBay  
(4) M3 x 6 Nylon Screws eBay

Breadboard Jumper Wires 10cm Dupont Wire

Texas Instruments Launchpad MSP-EXP430G2ET