

Item	Name	Board Reference	Manufacturer	Manufacturer PN	Supplier	Supplier PN	Notes
DS3231S#	RTC /w crystal	U1	Dallas Semiconductor		Digi-Key	DS3231S#-ND	
TXB0108PWRG4	Level Shifter	U6,U2	Texas Instruments		Mouser	595-TXB0108PWRG4	
MAX7313AEG+	IO Expander	U4	Maxim		Mouser	700-MAX7313AEG	
DS7505S+	Temperature	U3	Dallas Semiconductor		Mouser	700-DS7505S	
TCA9406	I2C level translator	U7	Texas Instruments	TCA9406DCTR	Mouser	595-TCA9406DCTR	
CAT24C32WI-G	I2C identity EEPROM	U8	ON Semiconductor	CAT24C32WI-G	Mouser	698-CAT24C32WI-G	
SP232ECN-L	RS232 driver	U9	Exar	SP232ECN-L	Mouser	701-SP232ECN-L	
0 Ohm Resistor	0 Ohm	R18,R17,R2,R21,R22,R23,R24,R25,R26,R27,R28,R1,R15,R6,R7,R4,R5,R20,R16					Not Populated
5.1 Ohm resistor	5.1 Ohm	R13,R12,R11,R14,R3,R10	Vishay	CRCW06035R10FKEA	Mouser	71-CRCW06035R10FKEA	
59 Ohm resistor	59 Ohm	R9	Vishay	CRCW060359R0FKEA	Mouser	71-CRCW060359R0FKEA	
91 Ohm resistor	91 Ohm	R8	Vishay	CRCW060391R0FKEA	Mouser	71-CRCW0603-91-E3	
1k Ohm resistor	1k Ohm	R19	Vishay	CRCW06031K00FKEA	Mouser	71-CRCW0603-1.0K-E3	
3.9k Ohm resistor	3.9k Ohm	R29,R30	Vishay	CRCW06033K90FKEA	Mouser	71-CRCW06033K90FKEA	
10k Ohm Resistor Bus	10k Ohm Resistor Bus	RR2,RR1	CTS	746X101103JP	Mouser	774-746X101103JP	
1uF Tantalum Cap	1uF Tantalum Cap	C6,C2,C13,C5,C3,C1,C8,C9	AVX	F981D105MMA	Mouser	647-F981D105MMA	
100uF Capacitor		C4,C7	AVX	F930J107MBA	Mouser	647-F930J107MBA	
0.1uF ceramic capacitor		C14,C12,C11,C10	Murata	GRM188R71C104KA01D	Mouser	81-GRM39X104K16	
Green LED		D3,D4	Vishay	VLMTG1300-GS08	Mouser	78-VLMTG1300-GS08	
Yellow LED		D5	Vishay	VLMY1300-GS08	Mouser	78-VLMY1300-GS08	
Blue LED		D10,D9,D8,D7,D6	Vishay	VLMB1300-GS08	Mouser	78-VLMB1300-GS08	
Battery holder	CR2032 holder	BT1	Linx	BAT-HLD-001	Mouser	712-BAT-HLD-001	
6V 3A Fuse	Input fuse	F1,F3	Bussmann	PTS18126V300	Mouser	504-PTS18126V300	
8V 1.1A Fuse	3.3V power supply fuse	F2	Bussmann	PTS18128V110	Mouser	504-PTS18128V110	
3.3V Regulator		U5	Diodes, Incorporated	AP7363-33D-13	Mouser	621-AP7363-33D-13	
DC barrel jack		CON1	Kycon	KLDX-0202-A	Mouser	806-KLDX-0202-A	
DE9 Male connector	DCE serial header	J1	FCI	D09P33E4PA00LF	Mouser	649-D09P33E4PA00LF	
3.73V Zener diode		D2	Diodes, Incorporated	D3Z3V6BF-7	Mouser	621-D3Z3V6BF-7	
5.60V Zener diode		D1	Vishay	AZ23C5V6-V-GS18	Mouser	78-AZ23C5V6-VGS18	