

Partlist exported from C:/Users/ghd84/OneDrive - purdue.edu/2021 Fall/EECS473/Project/PCB/Draft1.sch at 11/14/2021 10:53 PM

Part	Value	Device	Package	Description	AVAILABILITY	COPYRIGHT	CUI_PURCHASE_1
8MHZ_OSC	ECS-80-18-5PXD-TR	ECS-80-18-5PXD-TR	XTAL_ECS-80-18-5PXD-TR	CRYSTAL SMD			
BATTERY-CONNECTOR	B3B-PH-SM4-TB(LF)(SN)	B3B-PH-SM4-TB(LF)(SN)	JST_B3B-PH-SM4-TB(LF)(SN)	PH Series 3 Position 2 mm Pitch Crimp Surface Mount Top Entry Shrouded Header			
BATTERY_LOW	RED	LEDSMT1206	1206	LED			
C1	6pF	C-EUC0603	C0603	CAPACITOR, European symbol			
C2	6pF	C-EUC0603	C0603	CAPACITOR, European symbol			
C3	10uF	C-EUC0603	C0603	CAPACITOR, European symbol			
C4	18pF	C-EUC0603	C0603	CAPACITOR, European symbol			
C5	18pF	C-EUC0603	C0603	CAPACITOR, European symbol			
C6	100nF	C-EUC0603	C0603	CAPACITOR, European symbol			
C7	100nF	C-EUC0603	C0603	CAPACITOR, European symbol			
C8	100nF	C-EUC0603	C0603	CAPACITOR, European symbol			
C9	100nF	C-EUC0603	C0603	CAPACITOR, European symbol			
C10	1uF	C-EUC0603	C0603	CAPACITOR, European symbol			
C11	22uF	C-EUC0603	C0603	CAPACITOR, European symbol			
C12	1uF	C-EUC0603	C0603	CAPACITOR, European symbol			
C13	100nF	C-EUC0603	C0603	CAPACITOR, European symbol			
C14	100nF	C-EUC0603	C0603	CAPACITOR, European symbol			
C15	100nF	C-EUC0603	C0603	CAPACITOR, European symbol			
C16	100nF	C-EUC0603	C0603	CAPACITOR, European symbol			
C17	68pF	C-EUC0603	C0603	CAPACITOR, European symbol			
C18	10uF	C-EUC0603	C0603	CAPACITOR, European symbol			
C19	10uF	C-EUC0603	C0603	CAPACITOR, European symbol			
C20	0.1uF	C-EUC0603	C0603	CAPACITOR, European			

				symbol
C21	100nF	C-EUC0603	C0603	CAPACITOR, European symbol
C22	100nF	C-EUC0603	C0603	CAPACITOR, European symbol
C23	100nF	C-EUC0603	C0603	CAPACITOR, European symbol
C24	18pF	C-EUC0603	C0603	CAPACITOR, European symbol
C25	10uF	C-EUC0603	C0603	CAPACITOR, European symbol
C26	100nF	C-EUC0603	C0603	CAPACITOR, European symbol
C27	68pF	C-EUC0603	C0603	CAPACITOR, European symbol
C28	100nF	C-EUC0603	C0603	CAPACITOR, European symbol
C29	68pF	C-EUC0603	C0603	CAPACITOR, European symbol
C30	10uF	C-EUC0603	C0603	CAPACITOR, European symbol
C31	100nF	C-EUC0603	C0603	CAPACITOR, European symbol
C32	100nF	C-EUC0603	C0603	CAPACITOR, European symbol
C33	68pF	C-EUC0603	C0603	CAPACITOR, European symbol
C34	68pF	C-EUC0603	C0603	CAPACITOR, European symbol
C35	100nF	C-EUC0603	C0603	CAPACITOR, European symbol
CA		C-EUC0603	C0603	CAPACITOR, European symbol
CR1	1N4001-E3/73	1N4001-E3/73	DO-204AL_VIS	
CR3	CUS10S30	CUS10S30	USC_TOS	
CS	100nF	C-EUC0603	C0603	CAPACITOR, European symbol
FERRITE_BEAD	80	L-USL3216C	L3216C	INDUCTOR, American symbol
J1	105162-0101	105162-0101	MOLEX_105162-0101	1.10mm Pitch microSD Card Header with Detect Pin, Height 1.45mm, Lead-Free, Gold (Au) Plated 0.762µm
J3	EJ503B	EJ503B	CONN_EJ503B_MPD	

Copyright (C)  
2021 Ultra  
Librarian. All  
rights reserved.  
Copyright (C)  
2021 Ultra  
Librarian. All  
rights reserved.

Copyright (C)  
2021 Ultra

[https://www.cuidevicblocks/tbl004v-508-sutm\\_source=snapeda](https://www.cuidevicblocks/tbl004v-508-sutm_source=snapeda)

J4	TBL004V-508-02BE-2GY	TBL004V-508-02BE-2GY	CUI_TBL004V-508-02BE-2GY	Check prices	In Stock
JP1		JP7Q	JP7Q	JUMPER	
L2	10uH	L-USL3225M	L3225M	INDUCTOR, American symbol	
L3	10uH	L-USL3225M	L3225M	INDUCTOR, American symbol	
MOTION_SENSOR_CON POWER_STATUS	+5V GREEN	JP2E LEDSMT1206	JP2 1206	JUMPER LED	
Q1	FDS6375	FDS6375	SOIC127P600X175-8N		
Q2	FDS6375	FDS6375	SOIC127P600X175-8N		
R1	10K	R-US_R0603	R0603	RESISTOR, American symbol	
R2	4K7	R-US_R0603	R0603	RESISTOR, American symbol	
R3	22	R-US_R0603	R0603	RESISTOR, American symbol	
R4	22	R-US_R0603	R0603	RESISTOR, American symbol	
R5	22	R-US_R0603	R0603	RESISTOR, American symbol	
R6	22	R-US_R0603	R0603	RESISTOR, American symbol	
R7	470k	R-US_R0603	R0603	RESISTOR, American symbol	
R8	10K	R-US_R0603	R0603	RESISTOR, American symbol	

R9	0	R-US_R0603	R0603	RESISTOR, American symbol	
R10	510	R-US_R0603	R0603	RESISTOR, American symbol	
R11	4K7	R-US_R0603	R0603	RESISTOR, American symbol	
R12	4K7	R-US_R0603	R0603	RESISTOR, American symbol	
R13	4K7	R-US_R0603	R0603	RESISTOR, American symbol	
R14	4K7	R-US_R0603	R0603	RESISTOR, American symbol	
R15	4K7	R-US_R0603	R0603	RESISTOR, American symbol	
R17	1k	R-US_R0603	R0603	RESISTOR, American symbol	
R18	100k	R-US_R0603	R0603	RESISTOR, American symbol	
R19	100K	R-US_R0603	R0603	RESISTOR, American symbol	
R20	500	R-US_R0603	R0603	RESISTOR, American symbol	
R21	100m	R-US_R0603	R0603	RESISTOR, American symbol	
R22	1M	R-US_R0603	R0603	RESISTOR, American symbol	
R23	1M	R-US_R0603	R0603	RESISTOR, American symbol	
R24	10K	R-US_R0603	R0603	RESISTOR, American symbol	
R25	10K	R-US_R0603	R0603	RESISTOR, American symbol	
R26	100k	R-US_R0603	R0603	RESISTOR, American symbol	
R27	1k	R-US_R0603	R0603	RESISTOR, American symbol	
R28	10K	R-US_R0603	R0603	RESISTOR, American symbol	
RESET_BUTTON	PTS645SM43SMTR	PTS645SM43SMTR	PTS645SM43SMTR	SWITCH TACTILE SPST-NO 0.05A 12V Check prices	In Stock
RTC_OSC	ABS25-32.768KHZ-6-T	ABS25-32.768KHZ-6-T	XTAL_ABS25-32.768KHZ-6-T	ABS25 Series 32.768 kHz ±20 ppm 6 pF -40 to +85 °C SMT Low Frequency Crystal	
RV	200k	R-US_R0603	R0603	RESISTOR, American symbol	
SWD	SWD	PINHD-1X6	1X06	PIN HEADER	
US3		AMW037-2.2.14R	AMW037-2.2.14R		
U1	STM32L476RGT6TR	STM32L476RGT6TR	LQFP64-10X10MM		

U2	HTRC11001TSOT108-1_NXP-M	HTRC11001TSOT108-1_NXP-M	SOT108-1_NXP-M
U3	MCP73844-820I/MS	MCP73844-820I/MS	MSOP8_MC_MCH
U4	BA90BC0FP-E2	BA90BC0FP-E2	TO252-3_ROM
U5	MIC5216-5.0YMM	MIC5216-5.0YMM	MSOP8_MM_MCH
U7	MIC5216-3.3YMM	MIC5216-3.3YMM	MSOP-8_MM_MCL

2021 Ultra Librarian. All rights reserved.  
Copyright (C) 2021 Ultra Librarian. All rights reserved.  
Copyright (C) 2021 Ultra Librarian. All rights reserved.  
Copyright (C) 2021 Ultra Librarian. All rights reserved.  
Copyright (C) 2021 Ultra Librarian. All rights reserved.