

## interface

Source:  
Date:  
Tool:  
Generator:  
Component Count: 68

## Individual Components:

Item	Qty	Reference(s)	Value	LibPart	Footprint	Datasheet	NOT_MOUNT	Product	Saet_code
		B1	Battery	device:Battery	saet:BatteryHolderCR2032				
		C1	100n	device:C	Capacitors_SMD-C_0603				
		C2	12p	device:C	Capacitors_SMD-C_0603				
		C3	12p	device:C	Capacitors_SMD-C_0603				
		C4	100n	device:C	Capacitors_SMD-C_0603				
		C5	100n	device:C	Capacitors_SMD-C_0603				
		C6	0.33F	interface-cache:0.33F	saet:SUPER_CAP			EECS0HD334V	CV1476
		C7	100n	device:C	Capacitors_SMD-C_0603				
		C8	22u/20V	device:CP	Capacitors_Tantalum_SMD:TantalC_SizeC_EIA-6032_Wave			T491C226K020AT	CV0226
		C9	22u/20V	device:CP	Capacitors_Tantalum_SMD:TantalC_SizeC_EIA-6032_Wave			T491C226K020AT	CV0226
		C10	470n	device:C	Capacitors_SMD-C_0603				
		C11	10p	device:C	Capacitors_SMD-C_0603				
		C12	470p	device:C	Capacitors_SMD-C_0603				
		C13	100n	device:C	Capacitors_SMD-C_0603				
		C14	1n	device:C	Capacitors_SMD-C_0603				
		C15	470p	device:C	Capacitors_SMD-C_0603				
		C16	10p	device:C	Capacitors_SMD-C_0603				
		C17	0.47u	device:C	Capacitors_SMD-C_0603				
		C18	22u/20V	device:CP	Capacitors_Tantalum_SMD:TantalC_SizeC_EIA-6032_Wave			T491C226K020AT	CV0226
	COM_A1	WURTH_90	interface-cache:WURTH_90	saet:Wurth_90_deg_2ways				COM02-9M1	WK2320
	COM_B1	WURTH_90	interface-cache:WURTH_90	saet:Wurth_90_deg_2ways				COM02-9M1	WK2320
	D1	LED_R_0603	interface-cache:LED_R_0603	saet:LED-0603_handSoldering				KP-1608SURCK	LE7010
	D2	LED_R_0603	interface-cache:LED_R_0603	saet:LED-0603_handSoldering				KP-1608SURCK	LE7010
	D3	LED_R_0603	interface-cache:LED_R_0603	saet:LED-0603_handSoldering				KP-1608SURCK	LE7010
	D4	PMEG4005AEA	interface-cache:PMEG4005AEA	saet:SOD-323				PMEG4005AEA	DSG4005
	D5	B360A	interface-cache:B360A	saet:SMA_Standard				B360A-13-F	DSB360A
	D6	B360A	interface-cache:B360A	saet:SMA_Standard				B360A-13-F	DSB360A
	D7	PMEG4005AEA	interface-cache:PMEG4005AEA	saet:SOD-323				PMEG4005AEA	DSG4005
	HL1	Hole	interface-cache:Hole	saet:HOLE_3.2					
	HL2	Hole	interface-cache:Hole	saet:HOLE_3.2					
	IC1	SN65HVD11D	interface-cache:SN65HVD	saet:SOIC-8				SN65HVD11D	IL1138
	JP1	JUMPER	device:JUMPER	Pin_Headers:Pin_Header_Straight_1x02					
	L1	INDUCTOR_3.3uH	interface-cache:INDUCTOR_3.3uH	saet:IND_7.5x7.5				744 778 003	TB3020
	L2	INDUCTOR_3.3uH	interface-cache:INDUCTOR_3.3uH	saet:IND_7.5x7.5				744 778 003	TB3020
	P1	TP	interface-cache:TP	saet:Test_point					
	P2	CONN_01X04	conn:CONN_01X04	Pin_Headers:Pin_Header_Straight_1x04			X		
	P3	CONN_02X20	conn:CONN_02X20	Pin_Headers:Pin_Header_Straight_2x20					
	P4	CONN_01X02	conn:CONN_01X02	Pin_Headers:Pin_Header_Straight_1x02			X		
	Q1	RJU003N	interface-cache:RJU003N	saet:SOT-323_inv				RJU003N03T106	QT3134
	Q2	RJU003N	interface-cache:RJU003N	saet:SOT-323_inv				RJU003N03T106	QT3134
	Q3	RJU003N	interface-cache:RJU003N	saet:SOT-323_inv				RJU003N03T106	QT3134
	Q4	RJU003N	interface-cache:RJU003N	saet:SOT-323_inv				RJU003N03T106	QT3134
	R1	0 device:R	0 device:R	saet:R_0603					
	R2	10k	device:R	saet:R_0603					
	R3	1k	device:R	saet:R_0603					
	R4	10k	device:R	saet:R_0603					
	R5	0 device:R	0 device:R	saet:R_0603			X		
	R6	510 device:R	510 device:R	saet:R_0603					
	R7	1k	device:R	saet:R_0603					
	R8	510 device:R	510 device:R	saet:R_0603					
	R9	10 device:R	10 device:R	saet:R_0603					
	R10	10 device:R	10 device:R	saet:R_0603					
	R11	1k	device:R	saet:R_0603					
	R12	120 device:R	120 device:R	saet:R_0603					
	R13	510 device:R	510 device:R	saet:R_0603					
	R14	16.9k	interface-cache:R-EU	Resistors_SMD-R_0603					
	R15	7.68k	interface-cache:R-EU	Resistors_SMD-R_0603					
	R16	40.2k	interface-cache:R-EU	Resistors_SMD-R_0603					
	R17	7.68k	interface-cache:R-EU	Resistors_SMD-R_0603					
	R18	40.2k	interface-cache:R-EU	Resistors_SMD-R_0603					
	R19	30.1k	interface-cache:R-EU	Resistors_SMD-R_0603					
	R20	40.2k	interface-cache:R-EU	Resistors_SMD-R_0603					
	R21	23.7k	interface-cache:R-EU	Resistors_SMD-R_0603					
	R22	7.68k	interface-cache:R-EU	Resistors_SMD-R_0603					
	R23	0 device:R	0 device:R	saet:R_0603			X		
	U1	DS1302S	maxim:DS1302	Housings_SOIC:SOIJ-8_5.3x5.3mm_Pitch1.27mm				LT3501IFE#TRPBF	IT001
	U3	LT3501	interface-cache:LT3501	saet:ssOP-20_TP_4.4x6.5mm_Pitch0.65mm				LT3501IFE#TRPBF	IL1186
	X1	JXS_32k	interface-cache:JXS_32k	saet:JXS_3.2mm_1.5mm				Q0.032768-JTX310-12.5-20-T1-LF	YQ1323B

## Collated Components:

Item	Qty	Reference(s)	Value	LibPart	Footprint	Datasheet	NOT_MOUNT	Product	Saet_code
1	1	B1	Battery	device:Battery	saet:BatteryHolderCR2032				
2	5	C1, C4, C5, C7, C13	100n	device:C	Capacitors_SMD-C_0603				
3	2	C2, C3	12p	device:C	Capacitors_SMD-C_0603				
4	1	C6	0.33F	interface-cache:0.33F	saet:SUPER_CAP			EECS0HD334V	CV1476
5	3	C8, C9, C18	22u/20V	device:CP	Capacitors_Tantalum_SMD:TantalC_SizeC_EIA-6032_Wave			T491C226K020AT	CV0226
6	1	C10	470n	device:C	Capacitors_SMD-C_0603				
7	2	C11, C16	10p	device:C	Capacitors_SMD-C_0603				
8	2	C12, C15	470p	device:C	Capacitors_SMD-C_0603				
9	1	C14	1n	device:C	Capacitors_SMD-C_0603				
10	1	C17	0.47u	device:C	Capacitors_SMD-C_0603				
11	2	COM_A1, COM_B1	WURTH_90	interface-cache:WURTH_90	saet:Wurth_90_deg_2ways			COM02-9M1	WK2320
12	3	D1, D2, D3	LED_R_0603	interface-cache:LED_R_0603	saet:LED-0603_handSoldering			KP-1608SURCK	LE7010
13	2	D4, D7	PMEG4005AEA	interface-cache:PMEG4005AEA	saet:SOD-323			PMEG4005AEA	DSG4005
14	2	D5, D6	B360A	interface-cache:B360A	saet:SMA_Standard			B360A-13-F	DSB360A
15	2	HL1, HL2	Hole	interface-cache:Hole	saet:HOLE_3.2				
16	1	IC1	SN65HVD11D	interface-cache:SN65HVD	saet:SOIC-8			SN65HVD11D	IL1138
17	1	JP1	JUMPER	device:JUMPER	Pin_Headers:Pin_Header_Straight_1x02				
18	2	L1, L2	INDUCTOR_3.3uH	interface-cache:INDUCTOR_3.3uH	saet:IND_7.5x7.5			744 778 003	TB3020
19	1	P1	TP	interface-cache:TP	saet:Test_point				
20	1	P2	CONN_01X04	conn:CONN_01X04	Pin_Headers:Pin_Header_Straight_1x04				
21	1	P3	CONN_02X20	conn:CONN_02X20	Pin_Headers:Pin_Header_Straight_2x20		X		
22	1	P4	CONN_01X02	conn:CONN_01X02	Pin_Headers:Pin_Header_Straight_1x02		X		
23	4	Q1, Q2, Q3, Q4	RJU003N	interface-cache:RJU003N	saet:SOT-323_inv			RJU003N03T106	QT3134
24	3	R1, R5, R23	0 device:R	0 device:R	saet:R_0603		X		
25	2	R2, R4	10k	device:R	saet:R_0603				
26	3	R3, R7, R11	1k	device:R	saet:R_0603				
27	3	R6, R8, R13	510 device:R	510 device:R	saet:R_0603				
28	2	R9, R10	10 device:R	10 device:R	saet:R_0603				
29	1	R12	120 device:R	120 device:R	saet:R_0603				
30	1	R14	16.9k	interface-cache:R-EU	Resistors_SMD-R_0603				
31	3	R15, R17, R22	7.68k	interface-cache:R-EU	Resistors_SMD-R_0603				
32	3	R16, R18, R20	40.2k	interface-cache:R-EU	Resistors_SMD-R_0603				
33	1	R19	30.1k	interface-cache:R-EU	Resistors_SMD-R_0603				
34	1	R21	23.7k	interface-cache:R-EU	Resistors_SMD-R_0603				
35	1	U1	DS1302S	maxim:DS1302	Housings_SOIC:SOIJ-8_5.3x5.3mm_Pitch1.27mm			LT3501IFE#TRPBF	IT001
36	1	U3	LT3501	interface-cache:LT3501	saet:ssOP-20_TP_4.4x6.5mm_Pitch0.65mm			LT3501IFE#TRPBF	IL1186
37	1	X1	JXS_32k	interface-cache:JXS_32k	saet:JXS_3.2mm_1.5mm			Q0.032768-JTX310-12.5-20-T1-LF	YQ1323B