

Reference	Value	Footprint	TME	Quantity
BT1 BT2	Battery		BH-331A	2
C1 C36 C39 C45 C49 C63 C65	22u	Capacitor_SMD:CP_Elec_4x5.4	VS1C220MB054000CE0	7
C11 C12 C19 C25 C28 C40 C48 C50 C56 C59 C61 C69	10u	Capacitor_SMD:C_1206_3216Metric	TAJA106K016R	12
C2 C10 C43	4u7	Capacitor_SMD:C_0805_2012Metric	0805X475K6R3CT	3
C21 C23 C30 C32 C57	10n	Capacitor_SMD:C_0805_2012Metric	0805N103J500	5
C24 C29 C31 C41 C42 C46 C47 C51 C52 C58 C60 C70	1u	Capacitor_SMD:C_0805_2012Metric	GCM21BR71E105KA56K	12
C3 C7	27p	Capacitor_SMD:C_0805_2012Metric	CL10C270JB8NNNC	2
C33 C34 C37 C55	10u	Capacitor_SMD:C_0805_2012Metric	GRM21BR61E106KA73L	4
C4 C5 C6 C8 C9 C13 C14 C15 C16 C17 C18 C20 C22 C26 C27 C35 C38 C64 C66 C67 C68 C71	100n	Capacitor_SMD:C_0805_2012Metric	0805B104J101CT	22
C44 C54 C62	22u	Capacitor_SMD:C_1206_3216Metric	293D226X96R3A2TE3	3
C53	220p	Capacitor_SMD:C_0805_2012Metric	C0805C221M5RACTU	1
D1 D2 D3 D4 D8 D10	BAT46W	Diode_SMD:D_SOD-123F	BAT46W-DIO	6
D5 D7 D9	SK12	Diode_SMD:D_SMA	SK12-DIO	3
F1 F2	1A	Fuse:Fuse_1206_3216Metric	ERBRG1R00V	2
FB1	330R @ 100MHz	Inductor_SMD:L_0805_2012Metric	BLM21PG331SN1D	1
H1	MH3	MountingHole:MountingHole_3mm_Pad_Via		1
H2	MH1	MountingHole:MountingHole_3mm_Pad_Via		1
H3	MH2	MountingHole:MountingHole_3mm_Pad_Via		1
H4	MH4	MountingHole:MountingHole_3mm_Pad_Via		1
J1	Barrel_Jack_Switch	Connector_BarrelJack:BarrelJack_CLIFF_FC681465S_SMT_Horizontal	FC68148S	1
J2	CONN_LEPTON	Connector_PinSocket_2.54mm:PinSocket_2x10_P2.54mm_Horizontal	ZL263-40DG	1
J3	CONN_SW	Connector_PinHeader_2.54mm:PinHeader_1x02_P2.54mm_Vertical		1
J4	CONN_BATT	TerminalBlock:TerminalBlock_bornier-2_P5.08mm		1
J5	CONN_TFT_LCD	Connector_FFC-FPC:Hirose_FH12-45S-0.5SH_1x45-1MP_P0.50mm_Horizontal	FH12-45S-0.5SH-55	1
JP1	JP_IM0	Jumper:SolderJumper-3_P1.3mm_Open_RoundedPad1.0x1.5mm_NumberLabels		1
JP2	JP_IM1	Jumper:SolderJumper-3_P1.3mm_Open_RoundedPad1.0x1.5mm_NumberLabels		1
JP3	JP_IM2	Jumper:SolderJumper-3_P1.3mm_Open_RoundedPad1.0x1.5mm_NumberLabels		1
JP4	JP_IM3	Jumper:SolderJumper-3_P1.3mm_Open_RoundedPad1.0x1.5mm_NumberLabels		1
L1	15u	Inductor_SMD:L_7.3x7.3_H3.5	DE0704-15	1
R1 R27	0R	Resistor_SMD:R_0805_2012Metric		2
R2 R7 R10	10k	Resistor_SMD:R_0805_2012Metric	ERA6AEB103V	3
R21 R22 R23 R25 R26 R28	120	Resistor_SMD:R_0805_2012Metric	ERA6AEB121V	6
R24 R29	1k	Resistor_SMD:R_0805_2012Metric	ERA6AEB102V	2
R4 R5 R11 R13 R14 R17	5k6	Resistor_SMD:R_0805_2012Metric	ERA6AEB562V	6
R6 R19 R20	27k	Resistor_SMD:R_0805_2012Metric	AR0805-27K-0.1%	3
R8	22R	Resistor_SMD:R_0805_2012Metric	AR0805-22R-0.1%	1
R9 R12 R16 R18 R30	100k	Resistor_SMD:R_0805_2012Metric	ERA6AEB104V	5
SW1	BUTT_SELECT	Button_Switch_SMD:SW_SPST_TL3305C	TL3305BF160QG	1
SW2	BUTT_RUN	Button_Switch_SMD:SW_SPST_TL3305C	TL3305BF160QG	1
SW3	BUTT_RST	Button_Switch_SMD:SW_SPST_TL3305C	TL3305BF160QG	1
SW4	SW_BOOT	Jumper:SolderJumper-3_P1.3mm_Open_RoundedPad1.0x1.5mm_NumberLabels		1
SW5	BUTT_+	Button_Switch_SMD:SW_SPST_TL3305C	TL3305BF160QG	1
SW6	BUTT_-	Button_Switch_SMD:SW_SPST_TL3305C	TL3305BF160QG	1
SW7	BUTT_PWR	Button_Switch_SMD:SW_SPST_TL3305C	TL3305BF160QG	1
TP1 TP2	TP_THP_AMP	TestPoint:TestPoint_Pad_D2.0mm		2
TP3	TP_+5V	TestPoint:TestPoint_Pad_D2.0mm		1

TP4	TP_VIN	TestPoint:TestPoint_Pad_D2.0mm		1
TP5	TP_BOOST	TestPoint:TestPoint_Pad_D2.0mm		1
TP6	TP_+3V3	TestPoint:TestPoint_Pad_D2.0mm		1
TP7	TP_-5V	TestPoint:TestPoint_Pad_D2.0mm		1
TP8	TP_+2V8	TestPoint:TestPoint_Pad_D2.0mm		1
U1	STM32F411RCTx	Package_QFP:LQFP-64_10x10mm_P0.5mm	STM32F411RET6	1
U10	LMC7660	Package_SO:SOIC-8_3.9x4.9mm_P1.27mm	LMC7660IMX/NOPB	1
U11	AP2127K-2.8	Package_TO_SOT_SMD:SOT-23-5	AP2127K-2.8TRG1	1
U12 U13 U14 U15 U16 U17 U19	74AHC1G125	Package_TO_SOT_SMD:SOT-353_SC-70-5	74AHC1G125SE-7	7
U2	DS18B20	Package_TO_SOT_THT:TO-92_Inline	DS18B20+	1
U3	ZTP-135SR	Package_TO_SOT_THT:TO-46-4		1
U4	MCP601-xOT	Package_TO_SOT_SMD:SOT-23-5		1
U5 U18	AD620	Package_SO:SOIC-8_3.9x4.9mm_P1.27mm		2
U6	MCP3462-E_ST	Package_SO:TSSOP-20_4.4x6.5mm_P0.65mm	MCP3462R-E/ST	1
U7	LDI1117-05H	Package_TO_SOT_SMD:SOT-223	LDI1117-05H-DIO	1
U8	MCP1663-xOT	Package_TO_SOT_SMD:SOT-23-5	LMR62014XMF/NOPB	1
U9	LDI1117-33H	Package_TO_SOT_SMD:SOT-223	LDI1117-3.3D-DIO	1
Y1	20 MHz	Crystal:Crystal_SMD_HC49-SD	20.00M-SMDHC49S	1