

Ostron Electronics

Component Count:		62
Ref	Quantity	Value
BT1,	1	BU2032SM-HD-G
C1,	1	220u
C3, C24,	2	1u
C5,	1	100u
C6,	1	4u7
C7, C8, C9, C4, C19, C2, C16, C22, C11,	9	100n
C10,	1	100u
C14,	1	4.7u
C15,	1	22u
C17,	1	10u
C18, C26, C27, C28, C29, C12,	6	33p
C21, C20, C13,	3	10p
C30, C31, C25, C23,	4	20p
D1,	1	D_Schottky
D2,	1	RCLAMP0854P.TCT
FB1,	1	100R
J1,	1	Battery
J2,	1	PIEZOMETER
J3,	1	SWD
J4,	1	BOOT
J5,	1	Antenna 73251-2201
J6,	1	Sim Card 78646-3001
L1,	1	27n
L2,	1	22uH
Q1,	1	DTC114E
R1,	1	5.6k
R2,	1	1k
R3,	1	1K
R4,	1	0E
R6, R5,	2	100K
R7,	1	10k
R8, R9, R11,	3	22R
R10,	1	1M
SW1,	1	RESET
U1,	1	TPS76933
U2,	1	MT3608
U3,	1	M66 R2.0
U4,	1	STM32F103C8T6
Y1,	1	8MHz
Y2,	1	32.768KHz

Component name
Coin-cell holder
Polar-Capacitor
Ceramic-Capacitor
Polar-Capacitor
Ceramic-Capacitor
Ceramic-Capacitor
Polar-Capacitor
Ceramic-Capacitor
Ceramic-Capacitor
Ceramic-Capacitor
Ceramic-Capacitor
Ceramic-Capacitor
Schottky diode 3A
TVS Diode
Ferrite_Bead_Small
Screw_Terminal_01x02
Conn_01x05_Male
Conn_01x04_Male
Conn_02x03_Odd_Even
73251-2201
78646-3001
Inductor
Inductor
DTC114E
Resistor
Resistor
Resistor
Resistor
Resistor
Resistor
Resistor
Resistor
Resistor
Resistor
Push-Button
TPS76933-Regulator_Linear
MT3608
M66FB-03-STD
STM32F103C8Tx
Crystal-SMD
Crystal_SMD

Footprint

BAT_BU2032SM-HD-G

Capacitor_THT:CP_Radial_D8.0mm_P2.50mm

Capacitor_SMD:C_0603_1608Metric_Pad1.08x0.95mm_HandSolder

Capacitor_THT:CP_Radial_D7.5mm_P2.50mm

Capacitor_SMD:C_0603_1608Metric_Pad1.08x0.95mm_HandSolder

Capacitor_SMD:C_0603_1608Metric_Pad1.08x0.95mm_HandSolder

Capacitor_Tantalum_SMD:CP_EIA-3528-21_Kemet-B_Pad1.50x2.35mm_HandSolder

Capacitor_SMD:C_0603_1608Metric_Pad1.08x0.95mm_HandSolder

Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder

Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder

Capacitor_SMD:C_0603_1608Metric_Pad1.08x0.95mm_HandSolder

Capacitor_SMD:C_0603_1608Metric_Pad1.08x0.95mm_HandSolder

Capacitor_SMD:C_0603_1608Metric_Pad1.08x0.95mm_HandSolder

Diode_THT:D_DO-201AD_P15.24mm_Horizontal

SON50P160X160X65-7N

Inductor_SMD:L_0603_1608Metric_Pad1.05x0.95mm_HandSolder

TerminalBlock_Phoenix:TerminalBlock_Phoenix_MKDS-1,5-2-5.08_1x02_P5.08mm_Horizontal

TerminalBlock_Phoenix:TerminalBlock_Phoenix_MKDS-1,5-4-5.08_1x04_P5.08mm_Horizontal

Connector_PinHeader_2.54mm:PinHeader_1x04_P2.54mm_Vertical

Connector_PinHeader_2.54mm:PinHeader_2x03_P2.54mm_Vertical

73251-2200

78646-3001

Inductor_SMD:L_0603_1608Metric_Pad1.05x0.95mm_HandSolder

Inductor_SMD:L_12x12mm_H6mm

Package_TO_SOT_SMD:SOT-23

Resistor_SMD:R_0603_1608Metric_Pad0.98x0.95mm_HandSolder

Resistor_SMD:R_0603_1608Metric_Pad0.98x0.95mm_HandSolder

Resistor_SMD:R_0603_1608Metric_Pad0.98x0.95mm_HandSolder

Resistor_SMD:R_0603_1608Metric_Pad0.98x0.95mm_HandSolder

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Resistor_SMD:R_0603_1608Metric_Pad0.98x0.95mm_HandSolder

Resistor_SMD:R_0603_1608Metric_Pad0.98x0.95mm_HandSolder

Button_Switch_THT:SW_PUSH_6mm_H4.3mm

Package_TO_SOT_SMD:TSOT-23-5_HandSoldering

SOT95P280X145-6N

XCVR_M66FB-03-STD

Package_QFP:LQFP-48_7x7mm_P0.5mm

Crystal:Crystal_SMD_HC49-SD_HandSoldering

Crystal:Crystal_SMD_Abracon_ABS25-4Pin_8.0x3.8mm

Description

Polarized capacitor, small symbol

Unpolarized capacitor, small symbol

Polarized capacitor, small symbol

Unpolarized capacitor

Unpolarized capacitor

Polarized capacitor

Unpolarized capacitor, small symbol

Unpolarized capacitor

Unpolarized capacitor

Unpolarized capacitor

Unpolarized capacitor

Unpolarized capacitor, small symbol

Schottky diode

ESD Suppressors / TVS Diodes RCLAMP0854P 4LINES 8V SLP

Ferrite bead, small symbol

Generic screw terminal, single row, 01x02, script generated (kicad-library-utils/schlib/autogen/connector/)

Generic connector, single row, 01x05, script generated (kicad-library-utils/schlib/autogen/connector/)

Generic connector, single row, 01x04, script generated (kicad-library-utils/schlib/autogen/connector/)

Generic connector, double row, 02x03, odd/even pin numbering scheme (row 1 odd numbers, row 2 even numbers), script generated (kicad-library-utils/schlib/autogen/connector/)

SMA Jack PCB gold plated 50 Ohms 90deg Molex Right Angle 50 Through Hole SMA Connector, jack, Solder Termination

CONNECTOR, MICRO SIM, 6POS; Product Range:78646 Series; Connector Type:Micro SIM; No. of Contacts:6Contacts; Co

Inductor

Inductor

Digital NPN Transistor, 10k/10k, SOT-23

Resistor, small symbol

Resistor, small symbol

Resistor, small symbol

Resistor, small symbol

Resistor, small symbol

Resistor, small symbol

Resistor, small symbol

Resistor, small symbol

Resistor, small symbol

Push button switch, generic, two pins

ARM Cortex-M3 MCU, 64KB flash, 20KB RAM, 72MHz, 2-3.6V, 37 GPIO, LQFP-48

Two pin crystal

Four pin crystal, GND on pins 2 and 3

Ostron Electronics

Vendor