

ChaSouRo

Reference	Value	Footprint	Qty
C1	4.7u	Capacitor_SMD:C_0402_1005Metric	1
C2,C3,C4,C9,C10,C13,C15,C17,C18,C20,C23,C28,C29,C30,C32,C33,C34,C35,C36,C37	0.1u	Capacitor_SMD:C_0402_1005Metric	20
C5	10n	Capacitor_SMD:C_0402_1005Metric	1
C6,C8,C25,C26	1u	Capacitor_SMD:C_0402_1005Metric	4
C7,C21,C22	22u	Capacitor_SMD:C_0603_1608Metric	3
C11,C12	22p	Capacitor_SMD:C_0402_1005Metric	2
C14,C16,C27,C31	10u	Capacitor_SMD:C_0603_1608Metric	4
C19	47u	Capacitor_SMD:C_Elec_5x5.4	1
C24	15p	Capacitor_SMD:C_0402_1005Metric	1
D1		1 LED_SMD:LED_0603_1608Metric	1
D2		2 LED_SMD:LED_0603_1608Metric	1
D3	3V3	LED_SMD:LED_0603_1608Metric	1
H1,H2,H3,H4	MountingHole_Pad	MountingHole:MountingHole_3.2mm_M3_Pad_Via	4
IC1	ADXL343BCCZ-RL	ESE:ADXL343BCCZRL	1
IC2,IC4	ZXBM5210-SP-13	ESE:SOIC127P600X150-9N	2
IC3	MP1475DJ-LF-P	Package_TO_SOT_SMD:TSOT-23-8	1
IC5	BU33SD5WG-TR	ESE:SOT95P280X125-5N	1
J1	LiDAR	Connector_JST:JST_PH_S4B-PH-K_1x04_P2.00mm_Horizontal	1
J2	OLED	Connector_JST:JST_PH_S4B-PH-K_1x04_P2.00mm_Horizontal	1
J3	Conn_ST_STDC14	Connector_PinHeader_1.27mm:PinHeader_2x07_P1.27mm_Vertical_SMD	1
J4	BT	Connector_PinHeader_2.54mm:PinHeader_1x06_P2.54mm_Vertical	1
J5	ToF1	Connector_JST:JST_PH_S5B-PH-K_1x05_P2.00mm_Horizontal	1
J6	ToF2	Connector_JST:JST_PH_S5B-PH-K_1x05_P2.00mm_Horizontal	1
J7	ToF3	Connector_JST:JST_PH_S5B-PH-K_1x05_P2.00mm_Horizontal	1
J8	ToF4	Connector_JST:JST_PH_S5B-PH-K_1x05_P2.00mm_Horizontal	1
J9	Motor_L	Connector_JST:JST_PH_S6B-PH-K_1x06_P2.00mm_Horizontal	1
J10	Motor_R	Connector_JST:JST_PH_S6B-PH-K_1x06_P2.00mm_Horizontal	1
J11	BATT + ON/OFF	Connector_JST:JST_PH_S4B-PH-K_1x04_P2.00mm_Horizontal	1
J12	Buzz	Connector_JST:JST_PH_S2B-PH-K_1x02_P2.00mm_Horizontal	1
L1	4.7n	Inductor_SMD:L_0402_1005Metric	1
L2	4.7u	Inductor_SMD:L_Wuerth_HCI-5040	1
Q1	SQ2310ES	Package_TO_SOT_SMD:SOT-23	1
R1,R2,R13	2.7k	Resistor_SMD:R_0402_1005Metric	3
R3,R4,R5,R6	4.7k	Resistor_SMD:R_0402_1005Metric	4
R7		20 Resistor_SMD:R_0402_1005Metric	1
R8,R9,R14,R17,R18,R19,R20	100k	Resistor_SMD:R_0402_1005Metric	7
R10	16k	Resistor_SMD:R_0402_1005Metric	1
R11	40.2k	Resistor_SMD:R_0402_1005Metric	1
R12	7.68k	Resistor_SMD:R_0402_1005Metric	1
R15		470 Resistor_SMD:R_0402_1005Metric	1
R16		100 Resistor_SMD:R_0402_1005Metric	1
S1	NRST	ESE:430182070816	1
S2	USER	ESE:430182070816	1
TP1	TX2		1
TP2	GND	TestPoint:TestPoint_Bridge_Pitch2.0mm_Drill0.7mm	1
TP3	3V3	TestPoint:TestPoint_Bridge_Pitch2.0mm_Drill0.7mm	1
TP4	FWD_L	TestPoint:TestPoint_Bridge_Pitch2.0mm_Drill0.7mm	1
TP5	REV_L	TestPoint:TestPoint_Bridge_Pitch2.0mm_Drill0.7mm	1
TP6	FWD_R	TestPoint:TestPoint_Bridge_Pitch2.0mm_Drill0.7mm	1
TP7	REV_R	TestPoint:TestPoint_Bridge_Pitch2.0mm_Drill0.7mm	1
TP8	USER2		1
U1	STM32G431CBUx	Package_DFN_QFN:QFN-48-1EP_7x7mm_P0.5mm_EP5.6x5.6mm	1
Y1	Crystal_GND24_Small	Crystal:Crystal_SMD_3225-4Pin_3.2x2.5mm	1