

Id	Designator	Package	Quantity	Designation		
1	U1	TG-3541CE	1	TG-3541CE		
2	TP3,TP2,TP1	TestPoint_Pad_D1.5mm	3	TestPoint		
3	R2,R1	R_0603_1608Metric_Pad1.05x0.95mm_HandSolder	2	200		
4	JP1	SolderJumper-3_P1.3mm_Open_RoundedPad1.0x1.5mm	1	Jumper_3_Open		
5	J2	JST_XH_B3B-XH-AM_1x03_P2.50mm_Vertical	1	Conn_01x03		
6	J1	JST_XH_B4B-XH-AM_1x04_P2.50mm_Vertical	1	Conn_01x04_Male		
7	IC1		1	TSL237S-LF		
8	H4,H3,H2,H1	MountingHole_2.2mm_M2_Pad_Via	4	MountingHole		
9	C2,C4	C_0603_1608Metric_Pad1.05x0.95mm_HandSolder	2	1uF		
10	C1,C3	C_0603_1608Metric_Pad1.05x0.95mm_HandSolder	2	0.1uF		
11	BT1	BatteryHolder_Keystone_1060_1x2032	1	Battery_Cell		
12	U3	QFN-32-1EP_5x5mm_P0.5mm_EP3.45x3.45mm	1	STM32L432KCUx		
13	U2	ftsh_14p_connector	1	STDC14		
Mfr Part Number	Component Description	Reference Designator(s)	Distributor	Unit Cost	Extended Cost	Link
TG-3541CE 32.7680KXA3	XTAL OSC TCXO 32.7680KHZ CMOS	U1	Digikey	\$2.15600	\$2.15600	<a href="#">Link</a>
RCU-0C	PC TEST POINT NATURAL	TP3,TP2,TP1	Digikey	\$0.10982	\$0.32946	<a href="#">Link</a>
SG73G1JTTD2000D	Thick Film Resistors - SMD 200 ohm 0.5% 0.33W AEC-Q200	R2,R1	Mouser	\$0.09000	\$0.18000	<a href="#">Link</a>
B3B-XH-A(LF)(SN)	CONN HEADER VERT 3POS 2.5MM	J2	DigiKey	\$0.08075	\$0.08075	<a href="#">Link</a>
B4B-XH-A(LF)(SN)	CONN HEADER VERT 4POS 2.5MM	J1	DigiKey	\$0.09333	\$0.09333	<a href="#">Link</a>
TSL237S-LF	SENSOR OPT 635NM AMB SIDELOOKER	IC1	DigiKey	\$1.92850	\$1.92850	<a href="#">Link</a>
C0603C105K8RACTU	CAP CER 1UF 10V X7R 0603	C2,C4	DigiKey	\$0.01164	\$0.02328	<a href="#">Link</a>
C0603C104K8RACTU	CAP CER 0.1UF 10V X7R 0603	C1,C3	DigiKey	\$0.02683	\$0.05366	<a href="#">Link</a>
36-1060CT-ND	BATTERY HOLDER COIN 20MM SMD	BT1	DigiKey	\$1.02744	\$1.02744	<a href="#">Link</a>
STM32L432KCU6	ARM Microcontrollers - MCU 16/32-BITS MICROS	U3	Mouser	\$2.94000	\$2.94000	<a href="#">Link</a>
FTSH-107-01-L-DV-K-P-TR	CONN HEADER SMD 14POS 1.27MM	U2	DigiKey	\$3.85000	\$3.85000	<a href="#">Link</a>