

Reference	Component
Designators	Manufacturer's Part number
U1	STM32L432KCU6
C6, C4	C0603C104K3RAC7013
C2, C1	298D105X0016M2T
TP1	
U3	TG-3541CE 32.7680KXB3
TP2	
J1	B3B-XH-A(LF)(SN)
JP2	
BT1	1060TR
IC1	TSL237S-LF
TP6	
J3	B4B-XH-A(LF)(SN)
R3, R4	ERJ-PA3F2000V
U2	FTSH-107-01-L-DV-K

Component Description	Distributor
STM32L432KCUx	Digikey
0.1uF	Digikey
1uF	Digikey
TestPoint	
32.768 kHz TCXO CMOS Oscillator 1.5V ~ 5.5V Enable/Disable 10-SMD, No Lead	Digikey
TestPoint	
CONN HEADER VERT 3POS 2.5MM	Digikey
Jumper_3_Open	
Battery_Cell	Digikey
Optical Sensor Ambient 635nm Frequency Radial - 3 Leads	Digikey
TestPoint	
CONN HEADER VERT 4POS 2.5MM	Digikey
200 R	Digikey
CONN HEADER SMD 14POS 1.27MM	Digikey

Unit Cost	# of Units	Extended Cost	Link to component
7.53	1	7.53	https://www.digikey.com/en/products/detail/stmicroelectronics/STM32F103C8T6
0.14	2	0.28	https://www.digikey.com/en/products/detail/kemet/C0603C104K3RAC
1.09	2	2.18	https://www.digikey.com/en/products/detail/vishay-sprague/298D105J
		0	
3.6	1	3.6	https://www.digikey.com/en/products/detail/epson/TG-3541CE-32-768
		0	
0.19	1	0.19	https://www.digikey.com/en/products/detail/jst-sales-america-inc/B3B
		0	
1.54	1	1.54	https://www.digikey.com/en/products/detail/keystone-electronics/106
1.865	10000	18650	
		0	
0.21	1	0.21	
0.16	2	0.32	https://www.digikey.com/en/products/detail/panasonic-electronic-components/GRM32ER70A010000
5.72	1	5.72	https://www.digikey.com/en/products/detail/samtec-inc/FTSH-107-01

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