

Component on Schematic	Description	Part Number	Manufacturer	Quantity	Unit Cost (\$)	Estimated Total Costs (\$)	Product Link
R1, R2	10k $\Omega$ , 0603, 1% Tolerance	RC0603FR-0710KL	YAGEO	2	0.10	0.20 + 6.99 (shipping) = 7.19	<a href="https://www.digikey.com/en/products/detail/yageo/RC0603FR-0710KL/726880?s=N4lgTCBcDaiEoGEAMA2JBmAYnAtEg7AixlDSAMiALoC%2BQA">https://www.digikey.com/en/products/detail/yageo/RC0603FR-0710KL/726880?s=N4lgTCBcDaiEoGEAMA2JBmAYnAtEg7AixlDSAMiALoC%2BQA</a>
R3, R4	1.5k $\Omega$ , 0603, 1% Tolerance	RC0603FR-071K5L	YAGEO	2	0.10	0.20 + 6.99 (shipping) = 7.19	<a href="https://www.digikey.com/en/products/detail/yageo/RC0603FR-071K5L/726864?s=N4lgTCBcDaiEoGEAMA2JBmAYnAtEg7AiwDSArADlgC6AvkA">https://www.digikey.com/en/products/detail/yageo/RC0603FR-071K5L/726864?s=N4lgTCBcDaiEoGEAMA2JBmAYnAtEg7AiwDSArADlgC6AvkA</a>
R5, R6	10 $\Omega$ , 0603, 1% Tolerance	RC0603FR-0710RL	YAGEO	2	0.10	0.20 + 6.99 (shipping) = 7.19	<a href="https://www.digikey.com/en/products/detail/yageo/RC0603FR-0710RL/726879?s=N4lgTCBcDaiEoGEAMA2JBmAYnAtEg7AixJwAylAugL5A">https://www.digikey.com/en/products/detail/yageo/RC0603FR-0710RL/726879?s=N4lgTCBcDaiEoGEAMA2JBmAYnAtEg7AixJwAylAugL5A</a>
C1	100nF, 16V, X7R, 0603	C0603C104K4RACTU	KEMET	1	0.10	0.10 + 7.99 (UPS Ground Shipping) = 8.09	<a href="https://www.mouser.com/ProductDetail/KEMET/C0603C104K4RACTU?qs=I5k%252BbMnNDknCtKnMv1oEgA%3D%3D">https://www.mouser.com/ProductDetail/KEMET/C0603C104K4RACTU?qs=I5k%252BbMnNDknCtKnMv1oEgA%3D%3D</a>
C2	4.7 $\mu$ F, 10V, X7R, 0603	C0603C475K8PACTU	KEMET	1	0.20	0.20 + 6.99 (shipping) = 7.29	<a href="https://www.mouser.com/ProductDetail/80-C0603C475K8P">https://www.mouser.com/ProductDetail/80-C0603C475K8P</a>
VL53L1	Time-of-Flight Sensor (ToF)	VL53L1X	STMicroelectronics	1	6.68 (*K)	6.68 + 5.99 (UPS Ground Shipping) = 12.67	<a href="https://www.st.com/en/imaging-and-photonics-solutions/vl53l1.html">https://www.st.com/en/imaging-and-photonics-solutions/vl53l1.html</a>
J1	6-pin Circular Connector, 1x6 header	9716G-SMT	ITT Inc.	1	29.83 (*X)	29.83 + 0 (shipping) = 29.83	<a href="https://www.arrow.com/en/products/ca3102e14s-6p/itt-corporation">https://www.arrow.com/en/products/ca3102e14s-6p/itt-corporation</a>

- **\*K** = Unit cost varies depending on the quantity purchased. \$6.68 per unit when 1-9 units are ordered. \$4.95 when 10-40 units are ordered.
- **\*X** = Unit cost varies depending on the quantity purchased. \$29.83 per unit when 1-5 units are ordered. \$23.10 when 6-10 units are ordered. Additionally, \$22.26 when 10+ units are ordered.
- UPS Ground Shipping was the cheapest shipping option, and hence was selected often. If faster deliveries are required, cost will increase.

**Side-Note:** Most of the listed components are from Digikey, and they have a constant shipping charge of \$6.99. This shipping charge was less compared to other component distributors like Mouser, Verical, Arrow, etc. Granted, some distributors do have free shipping. But for this particular BOM, I prioritized a high-quality and reliable distributor like Digikey. However, approach can be differed according to budget and circumstances.