

part number	price per item (\$) for expected	QTY	link to part	Description	Website		
stm32f103rbt6	\$9.830	10	https://www.mouser.ca/ProductDetail/STMicroelectronics/STM32F103RBT6?qs=bhCVus9SdFv12dJRZaBmJq%3D%3D	f103 micro	Mouser		
ECS-80-18-5PX-GM-TR	\$0.544	10	https://www.mouser.ca/ProductDetail/ECS/ECS-80-18-5PX-GM-TR?qs=amGC7iS6iy9i4EiBY7c3iQ%3D%3D	ECS-80-18	Mouser		
909-MICRO-SD-CARD	\$0.815	10	https://www.mouser.ca/ProductDetail/909-MICRO-SD-CARD	micro sd	Mouser		
706-95C04A3GWRT	\$0.695	10	https://www.mouser.ca/ProductDetail/706-95C04A3GWRT	tactile switches	Mouser		
CL05A104KA5NNNC	\$0.0076	60	https://www.digikey.ca/en/products/detail/samsung-electro-mechanics/CL05A104KA5NNNC/3886701	0.1uf cap	Digikey		
CL10A106MQ8NNNC	\$0.113	10	https://www.digikey.ca/en/products/detail/samsung-electro-mechanics/CL10A106MQ8NNNC/3886777	10uf cap	Digikey		
CL05A105KQ5NNNC	\$0.024	25	https://www.digikey.ca/en/products/detail/samsung-electro-mechanics/CL05A105KQ5NNNC/3886668	1uf cap	Digikey		
CC0402JRNPO9BN200	\$0.038	15	https://www.digikey.ca/en/products/detail/yageo/CC0402JRNPO9BN200/2833582	20pf cap	Digikey		
RC0402FR-072K2L	\$0.023	20	https://www.digikey.ca/en/products/detail/yageo/RC0402FR-072K2L/726553	2.2k ohm resistor	Digikey		
LTST-C191KFKT	\$0.202	10	https://www.digikey.ca/en/products/detail/liteon/LTST-C191KFKT/386833	LED OR	Digikey		
PE-0603PFB121ST	\$0.088	10	https://www.digikey.ca/en/products/detail/pulse-electronics/PE-0603PFB121ST/5050544	ferrite bead	Digikey		
TL7660IDGKR	\$2.120	10	https://www.mouser.ca/ProductDetail/Texas-Instruments/TL7660IDGKR?qs=jZi1jxfVU94iT99xcAe44Q%3D%3D	TL7660	Mouser		
TL081IDT	\$0.761	10	https://www.mouser.ca/ProductDetail/STMicroelectronics/TL081IDT?qs=bSgnN8sgHFad67VsEbCtLw%3D%3D	TL081	Mouser		
ERA-2VEB2201X	\$0.574	40	https://www.mouser.ca/ProductDetail/Panasonic/ERA-2VEB2201X?qs=OLC7AqGiEDkXFtPFQ%2FDsqq%3D%3D	2.2k ohm resistor	Mouser		
MCS04020C2203FE000	\$0.064	15	https://www.mouser.ca/ProductDetail/Vishay-Beyschlag/MCS04020C2203FE000?qs=wTZ%2FFzI837bOkIhxttGQuq%3D%3D	220k ohm resistor	Mouser		
ERA-2AEB182X	\$0.141	20	https://www.mouser.ca/ProductDetail/Panasonic/ERA-2AEB182X?qs=YFwoyZoVY0iQlphFogKCUQ%3D%3D	1.8k ohm resistor	Mouser		
ERA-2VEB1001X	\$0.396	35	https://www.mouser.ca/ProductDetail/Panasonic/ERA-2VEB1001X?qs=OLC7AqGiEDkLXaubki7lRw%3D%3D	1k ohm resistor	Mouser		
ERA-2VEB3300X	\$0.389	15	https://www.mouser.ca/ProductDetail/Panasonic/ERA-2VEB3300X?qs=OLC7AqGiEDl20ZkQ9%252BUJrg%3D%3D	330 resistor	Mouser		
ERA-2VEB1202X	\$0.574	15	https://www.mouser.ca/ProductDetail/Panasonic/ERA-2VEB1202X?qs=tlSG%2FOw5FFj9hZnSviE%2FFQ%3D%3D	12k resistor	Mouser		
ERA-2AED563X	\$0.276	15	https://www.mouser.ca/ProductDetail/Panasonic/ERA-2AED563X?qs=nho8PGNFa6r%252BCv2cBpUMHg%3D%3D	56k Resistor	Mouser		
ERA-2VEB1000X	\$0.283	100	https://www.mouser.ca/ProductDetail/Panasonic/ERA-2VEB1000X?qs=OLC7AqGiEDnVwVem9FjbZq%3D%3D	100 ohm resistor	Mouser		
ERA-2AEB201X	\$0.226	100	https://www.mouser.ca/ProductDetail/Panasonic/ERA-2AEB201X?qs=YFwoyZoVY0gUqwmnurDg3A%3D%3D	200 ohm resistor	Mouser		

ERA-2AEB473X	\$0.276	30	https://www.mouser.ca/ProductDetail/Panasonic/ERA-2AED470X?qs=sGAEpiMZZMtGOKNrPCHnjXA8RZptup0%2Fr15hXm69mn8%3D	47 ohm resistor	Mouser		
ERA-2VEB1003X	\$0.299	100	https://www.mouser.ca/ProductDetail/Panasonic/ERA-2VEB1003X?qs=tlsg%2FQw5FFq9COuWt1dq6w%3D%3D	100k resistor	Mouser		
CPF0402B150KE	\$0.276	10	https://www.mouser.ca/ProductDetail/TE-Connectivity-Holsworthy/CPF0402B150KE?qs=CXl0wBT1M2j4hOLUwyMdA%3D%3D	150K RESISTOR	Mouser		
T495D106K035ATE300	\$1.680	40	https://www.mouser.ca/ProductDetail/KEMET/T495D106K035ATE300?qs=WGttPWjGnKPjciLydHM5q%3D%3D	10U CAP	Mouser		
C0805C104K5RAC7210	\$0.045	100	https://www.mouser.ca/ProductDetail/KEMET/C0805C104K5RAC7210?qs=Pc30aiB8zWVP0UWvYJ655A%3D%3D&qad_source=1&qclid=Cj0KCQiA5rGuBhCnARIsAN11vgTOKNAQNEuk2G58msjhrYCPqtH1BcRQcxGx4vhSV4xWVLCNTrOpYaApMBEALw_wcB	0.1U CAP	Mouser		
C0805C103F5GACTU	\$2.800	20	https://www.mouser.ca/ProductDetail/KEMET/C0805C103F5GACTU?qs=Fn3VdHBzckrLZOHDcvUSq%3D%3D	0.01UF CAP	Mouser		
C0805C334K3RACAUTO7210	\$0.220	10	https://www.mouser.ca/ProductDetail/KEMET/C0805C334K3RACAUTO7210?qs=NJR6qtu0rR2beJq0CS0V%2FQ%3D%3D	0.33UF CAP	Mouser		
UA78M33CDCYG3	\$1.600	10	https://www.mouser.ca/ProductDetail/Texas-Instruments/UA78M33CDCYG3?qs=0O%2FZFfpUpJU0kFSZAC76Kw%3D%3D	3V VOLTAGE REGULATOR	Mouser		
AD844JRZ-16-REEL7	\$17.950	15	https://www.mouser.ca/ProductDetail/Analog-Devices/AD844JRZ-16-REEL7?qs=%2FtpEQrCGXCwXfa%252BIVVO7iw%3D%3D	AD844 OP AMP SMD	Mouser		
FOD814SD	\$0.731	15	https://www.mouser.ca/ProductDetail/onsemi-Fairchild/FOD814SD?qs=CeF1Q8iNKQrGVkwSJplgAw%3D%3D	FOD814 OPTO SMD	Mouser		
REF192GSZ	\$7.770	15	https://www.mouser.ca/ProductDetail/Analog-Devices/REF192GSZ?qs=WlvQP4zGaniYlAT5rXOOvw%3D%3D	REF192 REF SMD	Mouser		
M22-6003005	\$27.720	4	https://www.mouser.ca/ProductDetail/855-M22-6003005	PC104 CONNECTORS	Mouser		
C0805C105Z5VACTU	\$0.260	30	https://www.mouser.ca/ProductDetail/KEMET/C0805C105Z5VACTU?qs=mYAa4mSiDJwZYgAZoSDUaw%3D%3D	1uf cap 0805 package	Mouser		
C0805C224M5VACTU	\$0.313	45	https://www.mouser.ca/ProductDetail/KEMET/C0805C224M5VACTU?qs=K5crFR110Spy53IS%2FVpjZw%3D%3D	0.22uf cap	Mouser		
CL32A157MQVNNNE	\$1.170	10	https://www.mouser.ca/ProductDetail/Samsung-Electro-Mechanics/CL32A157MQVNNNE?qs=o1waKiAPAgOsXqB2m5tpw%3D%3D	150uf cap	Mouser		
TPS2069CDBVR	\$1.0932	15	https://www.digikey.ca/en/products/detail/texas-instruments/TPS2069CDBVR/1324483?utm_campaign=Texas%20Instruments	mosfet	digikey		
SMDTLFP	\$22.9700	2	https://www.mouser.ca/ProductDetail/910-SMDTLFP	solder paste	Mouser		
total for Mouser		31	https://www.mouser.ca/ProjectManager/ProjectDetail.aspx?State=EDIT&ProjectGUID=6aa171af-5c40-4210-a95c-abff4bab2c9e	Mouser cart	\$1,020.52		

total for Digikey		8	https://www.digikey.ca/short/bminbp47	Digikey cart	33.18		
total cart		39		TOTAL	\$1,053.70	Tax might not	be included
			https://www.mouser.ca/ProductDetail/KEMET/C0805C334K3RACAUTO?qs=sSYV1F9c5cFAGgBePUAC4A%3D%3D	.33uf new			