

L0001 Instrumentation Amplifier BOM

Project:	Liquids Engine									
Revision:	2.0									
Date:	6/12/2021									
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Qty	Component	Manufacturer	Part Number	Designator	Do Not Populate	Price per Unit	Data Sheet	Source	Part in Stock	Alternate Parts
1	Positive 12V linear regulator	Texas Instruments	LM7812S/NOPB	U1		\$2.07	AD623ARZ-R7	Digikey	No	
1	Rail to rail instrumentation amplifier	Analog Devices Inc.	AD623ARZ-R7	U2		\$5.53	AD623ARZ-R7	Digikey	No	
2	4 Pin connector female socket	Sullins Connector Solutions	PPTC041LFBN-RC	J1,J2		\$0.45	PPTC041LFBN-RC	Digikey	No	
1	0.22 uF 0603 ceramic capacitor	Yageo	CC0603JRX7R8BB224	C1		\$0.22	CC0603JRX7R8BB224	Digikey	Yes	
1	0.1 uF 0603 ceramic capacitor	KEMET	C0603C104J4RACTU	C2		\$0.14	C0603C104J4RACTU	Digikey	Yes	
1	Green LED	Lite-On Inc	LTST-C150GKT	D1		\$0.31	LTST-C150GKT	Digikey	No	
1	10kOhm 0603 resistor	Vishay	MCT0603MD1002BP100	R2		\$0.72	MCT0603MD1002BP100	Digikey	Yes	
1	2kOhm 0603 resistor	Stackpole Electronics Inc	RNCP0603FTD2K00	R1		\$0.10	RNCP0603FTD2K00	Digikey	Yes	