						Manufacturer Part			Supplier Currency	Supplier Order Oty	Supplier Part		Supplier Subtotal	Supplier Unit Price	
Comment	Description Socket	Designator	Footprint MOTOR_PLUG_F_3	LibRef	Manufacturer 1	Number 1	Quantity 1	Supplier 1	1	1	Number 1	Supplier Stock 1	1	1	Value
LTC7103	JAKKII .	5V_BUCK	LTC7103	LTC7103	LINEAR TECHNOLOGY	LTC7103IUHE#PBF	1	Newark	USD	5000	24AC4318	61	40250	8.05	
Motor_pad	Socket	A, B, C	MOTOR_PLUG_F_3 .5	Socket			3								
DF40C-30-DS	CONN RCPT 30POS 0.4MM SMD GOLD	AUX	DF-40C-30DS	DF40C-30-DS	Hirose Electric Co Ltd	DF40C(2.0)-30DS- 0.4V(51)	1	Digi-Key	USD	5000	H11771TR-ND	4000	2703.54702	0.54071	
PartNumber	CAP, CERM, 1000pF, 16V, +/- 10%, X7R, 0603	C1 A C1 B C1 C	0603-CAP	GRM188R71C102K				Diel Nov			GRM188R71C102K				1000-7
	CAP CER 0.1UF			A01D	Murata Electronics	GRM155R62A104K		Digi-Key	Loading		A01D-ND				Госоря
0u1 100u	16V YSV 0402	C2, C7, C13, C48	0402-CAP 1206-CAP	CAPACITOR-1206	North America TDK Corporation	E14D C3216XSR1A107M 160AC	4	Digi-Key Digi-Key	USD	20000	490-10458-2-ND 445-6007-2-ND	630000 32000	86.92384 2687.36864	0.00435	0u1
	CAP, CERM, 0.1 µF, 16 V, +/- 5%, X7R,	C3			ibs corporation			Digi-say							
PartNumber	0603 CAP, CERM, 22 μF,	C4	0603-CAP	0603YC104JAT2A	AVX Corporation	0603YC104JAT2A	1	Digi-Key	USD	5000	478-3726-1-ND	127134	330.19873	0.06604	0.1uF
PartNumber	10 V, +/- 20%, X7S, 1206 CAP, CERM, 2.2 µF,	cs	1206_180L	C3216X7S1A226M1 6GAC	TDK Corporation	C3216X7S1A226M1 60AC	1	Digi-Key	USD	5000	445-8035-1-ND	1516	1664.89506	0.33298	22uF
PartNumber	100 V, +/- 10%, VZP, 1210	C6	1210L	HMK325B7225KN-T	Taiyo Yuden	HMK325B7225KN-T	1	Digi-Key	USD	5000	587-1778-1-ND	698274	943.33934	0.18867	2.2uF
PartNumber	CAP, CERM, 1 µF, 6.3 V, +/- 10%, X7R, 0603	C8, C11, C47	0603-CAP	GRM188R70J105K A01D	Murata Electronics North America	GRM188R70J105K A01D	3	Digi-Key	USD	15000	490-3898-1-ND	774	1894.78784	0.12632	1uF
PartNumber	CAP, CERM, 0.047 μF, 100 V, +/- 10%, X7S, 0603	00	0603-CAP	C1608X7S2A473K0 80AB	TDK Corporation	C1608X7S2A473K0 80AB		Digi-Key	USD	5000		11065	223.34153	0.04467	0.047uF
Particulies	CAP CER 1UF 16V			bura	Murata Electronics	GRM21BC72A105K						11000			0.04761
1u	YSV 0603 CAP, CERM, 4.7 μF, 80 V, +/- 10%, X7R,	C10	0805-CAP	CAP0603 GRM32ER71K475K	North America Murata Electronics	E01L GRM32ER71K475K		Digi-Key	USD	5000	490-14464-2-ND	0	630.83696	0.12617	1u
PartNumber CAP CER 10000PF	1210 CAP CER 10000PF	C12	1210_270L	E14L	North America	E14L CGA283X7R1H103		Digi-Key	USD	5000	490-9972-1-ND	0	2288.8612	0.45777	4.7uF
50V X7R 0402 2u2	50V X7R 0402 CAP CER 2 2UF 16V 10% X6S 0603	C14 C15, C17	CAPC1005L 0603-CAP	Cap CAP0603	TDK Corporation TDK Corporation	K050BB C1608X6S1C225K0	1	Digi-Key Digi-Key	USD	5000	445-6893-1-ND 445-7438-1-ND	533725 27796	87.68282 728.3866	0.01754	10nF
0u1	CAP CER 0.1UF 16V YSV 0402	C18	0402-CAP	CAP0402	Yageo	80AC CC0402ZRYSV7BB1 04	1	Digi-Key	USD	5000		1610559	16.81753	0.00336	0u1
	CAP CER 0.118F AV SY 0301 CAP CER 0.118F AV SY	C19, C24, C27, C28, C22, C33, C24, C35, C34, C37, C38, C45,			Murata Electronics	GRA033CB1E104M									
0u1	16V YSV 0402	C45_B, C45_C, C52	0201-cap	CAP0402	North America	E14D	15	Digi-Key	USD	75000	490-10404-2-ND	45000	722.03508	0.00963	
Cap	Capacitor	C20, C21, C22, C23, C24, C25, C29, C30, C31, C46	CAPCS750L	Cap	TDK	CGA9P3X7S2A156 M250KB	10	Newark	USD	50000	80X3236	0	173500	3.47	15uF
8p	CAP CER 8PF 50V NPO 0201	C39, C40	0201-cap	CAP0402	Murata Electronics North America	GRM0335C1H8R0 DA01J	2	Digi-Key	USD	10000	490-13331-1-ND	31411	28.84146	0.00288	
GRM21BR60G107					Murata Electronics	GRM21BR60G107									
ME1SL	CAP CER 2u2uF 6V	C41, C42	C0805	Capacitor	North America Murata Electronics	ME15L GRM033R60/225M	2	Digi-Key	USD	10000	490-10510-1-ND	271315	4516.04483	0.4516	100uF
2u2	YSV 0201 CAP CER 22UF	C43, C44	0201-cap	CAP0402	North America	E15D	2	Digi-Key	USD	10000	490-13224-1-ND	721830	566.04355	0.0566	
22uF	6.3V XSR 0402 CAP CER 4.7UF	C49	0201-cap	CAP0805	AVX Corporation  Murata Electronics	04026D226MAT2A GRM035R60J475M	- 1	Digi-Key	USD	10000	478-9839-2-ND	0	2117.33043	0.21173	
4u7	6.3V XSR 0201	CS0	0201-cap	CAP0603	North America	E15D	1	Digi-Key	USD	10000	490-13230-2-ND	110000	1007.61344	0.10076	
1u	CAP CER 1UF 6.3V XSR 0201	CS1	0201-cap	CAP0603	Murata Electronics North America	GRM033R60J105M EA2D	1	Digi-Key	USD	15000	490-7229-2-ND	210000	275.03245	0.01834	
JST_GH_V4	BM04B-GHS-TBT	CAN_CAN2, CAN_CAN3	JST_GH_V4	JST_GH_V4	JST Sales America Inc.	BM04B-GHS- TBT(LF)(SN)(N)	3	Digi-Key	USD	15000	455 - 1580 - 2 - ND	140000	2776.20992	0.18508	
PartNumber	Diode, Schottky, 100 V, 1 A, SOD- 123FL	Di	SOD-123FL	MBR1H100SFT3G	ON Somiconductor	MBR1H100SFT3G		Dini-Key	usn	5000	MBR1H100SFT3GO SCT-ND	1783	2087.6501	0.41753	1000/
Schottky barrier	DIODE SCHOTTKY		SOD323	DIODE- SCHOTTKY_SOD32	ON Semiconductor	RB751V40T1G		,,	Heb	5000	R8751V40T1GOSC	141675	326.4038	0.06528	
diode	30V 0.03A SOD323 EMIFIL (Capacitor type) Single Circuit	02	500323	3	Semiconductor	RB/51V4011G	1	Digi-Key	USD	5000	I-ND	1416/5	326.4038	0.06528	301
Filter	type) Single Circuit Type for Signal Lines	Filter	NFM18CC	NFM18CC222R1C3	Murata Electronics North America	NFM18PC225B1A3 D	1	Digi-Key	USD	5000	490-6972-1-ND	3596	839.83765	0.16797	2.2uF
	Inductor, Shielded Drum Core,														
PartNumber	Ferrite, 15 µH, 1.1 A, 0.122 ohm, SMD	L1	SD53	SD53-150-R	Eaton	SD53-150-R	1	Digi-Key	USD	5000	513-1458-1-ND	11916	3733.41073	0.74668	15uH
732-3880-2-ND	IND 18UH 7.5A 22 MOHM SMD	1.2	WE_IND	SD53-150-R	Wurth Electronics Inc.	7443551181	1	Digi-Key	USD	5000	732-3880-2-ND	400	14763.39044	2.95268	18uH
	Connector, Header, 6Pos,				JST Sales America	SM06B-SURS-					CHANTO CLIDE				
JST_SUR_6	.8mm IDC, R/A, SMD, Tin	P106 Q1_A, Q1_B, Q1_C,	JST_SUR_H6	JST_SUR_6	JST Sales America Inc.	TF (LF)(SN)		Digi-Key	USD	5000	TF(LF)(SN)-ND	0	2368.67454	0.47373	
	N-Channel	Q2_A, Q2_B, Q2_C, Q5_A, Q5_B, Q5_C,													
MOSFET-N	MOSFET	Q6_A, Q6_B, Q6_C, QAS1, QAS2 R1_CAN1,	Q5B	MOSFET-N	Texas Instruments	CSD19502Q5B	14	Digi-Key	USD	70000	296-37194-1-ND	1008	96436.9632	1.37767	
RES SMD 120	RES SMD 120	R1_CAN2, R1_CAN3, R1_CAN3, R14_CAN1, R14_CAN2, R14_CAN3													
RES SMD 120 OHM 5% 1/16W 0402 RES SMD 10K	RES SMD 120 OHM 5% 1/16W 0402 RES SMD 10K	R14_CAN2, R14_CAN3	R0402	Resistor	Yageo	RC0402JR-07120RL	6	Digi-Key	USD	30000	311-120/RTR-ND	520000	40.02651	0.00133	120R
RES SMD 10K OHM 5% 1/16W 0402	OHM 5% 1/16W 0402	R2, R8	0402-RES	Resistor	Yageo	RC0402JR-07108L	2	Digi-Key	USD	10000	311-10KJRTR-ND	5105000	15.17971	0.00152	10K
Current sense resistor	2W, 0.001R 5025 current sense resistor	R3_A, R3_B, R3_C	4RESCS12Syncar	WSLP20101L000FE	Stackpole Electronics Inc.	CSNL2010FTIL00		Digi-Key	USD	15000	CSNL2010FT1L00CT	4808	3483.62454	0.23224	0.001P
	RES 2K OHM	R4, R5, R11, R12,										4300	-103.02454	0.2.3224	
2K PartNumber	SMD RES, 28.0 k, 1%, 0.1 W, 0603	и13 R6	0402-RES 0603L	RESISTOR0402-RES CRCW060328K0FK EA	Vishay Dale	CRCW060328K0FK EA	5	Digi-Key Digi-Key	Loading USD	Çnn	311-2.0KLRCT-ND 541-28.0KHCT-ND	37511	30.31948	0.00606	28.0k
PartNumber	RES, 8.45 k, 1%, 0.1 W 0603	R7	0603L	EA CRCW06038K45FK EA	Vishay Dale	EA CRCW06038K45FK EA	1	Digi-Key Digi-Key	USD		541-8.45KHCT-ND	1339	30.31948	0.00606	
RES		R9_A, R9_B, R9_C,	R0805	R00155	Yageo	RC0805FR-0718KL		Digi-Key	usp	20000	311-18.0KCRCT-ND	273551	75.41921	0.00377	189
RES	RES SMD 1K OHM 1% 1/8W 0805	R10_A, R10_B, R10_C, R18	R0805	R00095	Yageo	RC0805FR-071KL	4	Digi-Key	USD	20000		7123408	75.41921	0.00377	1k
1R2	ES SMD 1.2 OHM 5% 3W 2512	R15	RESC6433X11N	RESISTOR0402-RES	TE Connectivity Passive Product	35221R2JT	1	Digi-Key	USD	5000	A121178CT-ND	4130	1041.64796	0.20833	
IR2		1	l	RESISTOR0402-RES	Yageo	RC0402FR-0710KL	1	Digi-Key	USD	5000	311-10.0KLRCT-ND	15846421	10.6258	0.00213	<u> </u>
10K	RES 10K OHM 1/16W 1% 0402 SMD	R19	0402-RES		Samsung Electro-		-	Digi-Key	usp	5000		755822	10.30623	0.00206	1K
	RES 10K OHM 1/16W 1% 0402	R19	0402-RES 0402-RES	RESISTOR0402-RES	Mechanics America, Inc.	RC1005F102CS									
10K	RES 10K OHM 1/16W 1% 0402 SMD RES 1K OHM 1/16W 1% 0402 RES 120 OHM 1/16W 1% 0402		0402-RES	RESISTOR0402-RES	Morbanico										
10K 1K 120R	RES 10K OHM 1/16W 1% 0402 SMD RES 1K OHM 1/16W 1% 0402	R20 R21	0402-RES 0402-RES	RESISTOR0402-RES	Mechanics America, Inc. Yageo	RC0402FR- 07120RL	1	Digi-Key Digi-Key	USD	5000 5000	311-120LRCT-ND 497-16538-2-ND	732429	10.6258	0.00213	
10K	RES 10K OHM 1/16W 1% 0402 SMD RES 1K OHM 1/16W 1% 0402 RES 120 OHM 1/16W 1% 0402		0402-RES	RESISTOR0402-RES	Mechanics America, Inc. Yageo STMicroelectronics		1	Digi-Key Digi-Key Digi-Key	USD USD USD	5000 5000	497-16538-2-ND DBV83239HBC79		10.6258 14038.71888 14061.96781		
10K 1K 120R VL53L0X DRV8323R	RES 10K OHM 1/16W 1% 0402 SMD RES 1K OHM 1/16W 1% 0402 RES 120 OHM 1/16W 1% 0402	R20 R21 TOF U1	0402-RES 0402-RES VL53L0X	RESISTOR0402-RES RESISTOR0402-RES VL53L0X	Mechanics America, Inc. Yageo	RC0402FR- 07120RL VL53L0CXV0DH/1	1 1	Digi-Key	USD	5000 5000	497-16538-2-ND DBV83239HBC79	732429	14038.71888	0.00213 2.80774	
10K 1K 120R VL53L0X DRV8323R	RES 10K OHM 1/16W 19, 0402 SMD  RES 1K OHM 1/16W 19, 0402 RES 1ZO OHM 1/16W 19, 0402 SMD  STM32F7	R20 R21 TOF	0402-RES 0402-RES VL53L0X PQFP-G48	RESISTOR0402-RES RESISTOR0402-RES VL53L0X DRV8323R	Mechanics America, Inc.  Yageo  STMicroelectronics  Texas Instruments STMICROELECTRO	RC0402FR- 07120RL VL53L0CXV0DH/1 DRV8323RHRGZR	1 1 1 1 3	Digi-Key Digi-Key	USD	5000 5000	497-16538-2-ND DRV8323RHRGZR- ND	732429	14038.71888 14061.96781	0.00213 2.80774 2.81239	
10K 1K 120R VL53L0X DRV8323R STM32F749AI	RES 10K OHM 1/16W 19, 0402 SMD  RES 1K OHM 1/16W 19, 0402 RES 1ZO OHM 1/16W 19, 0402 SMD  STM32F7	R20 R21 TOF U1 U2 U3 CAN1	0402-RES 0402-RES VL53L0X POFP-G 48 WLCSP180	RESISTOR0402-RES RESISTOR0402-RES VLS3L0X DRV8323R STM32F769AI	Mechanics America, Inc.  Yageo  STMicroelectronics  Texas Instruments  STMICSOFFECTRO	RCD402FR- 07120RL VL53L0CXV0DH/1 DRV8323RHRGZR STM32F769AIY6TR	1 1 1 1 3 3 1 1	Digi-Key Digi-Key Newark	USD USD	5000 5000 5000	497-16538-2-ND DRV8323RHRGZR- ND 84Y8745 568-11942-1-ND MA700GQ-Z-ND	732429 10000 0	14038.71888 14061.96781 48000	0.00213 2.80774 2.81239 9.6	
10K 1K 120R VL53L0X DRV8323R STM32F769AI	0IS 10K OHM 1/16W 19 0402 5MD 0402 5MD 0402 10K 0402 10K 0402 10K 19K 0402 10K 19K 0402 5MD 0404 5MD 0402 5MD 0404 5MD 0402 5MD 0402 5MD 0402 5MD 0402 5MD 0402 5MD 0402	R20 R21 TOF U1 U2 U3 CAN1	0402-RES 0402-RES VL53L0X PQFP-G48 WLCSP180	RESISTOR0402-RES RESISTOR0402-RES VL53L0X DRV8323R STM32F769AI	Mechanics America, Inc.  Yageo STMicroelectronics Texas Instruments STMCROELECTRO NOS  NOP USA Inc. Monotithic Power Systems Inc.  Supplier disabled	RC0402FR- 07120fd. VLSSL0CXV0DH/1 DRV8323RHRGZR STM32F769AIY6TR TJA1052IT/SY MA700GO-Z	1 1 1 3 3 1 1	Digi-Key Digi-Key Newark Digi-Key	USD USD USD	5000 5000 5000 15000	497-16538-2-ND DRV83238HRGZR-ND 84Y8745 568-11942-1-ND MA700GQ-Z-ND Component Distributors Inc	732429 10000 0	14038.71888 14061.96781 48000 59698.22026	0.00213 2.80774 2.81239 9.6	
10K 1K 129R 129R 129R 129R 1398323R STM32F769AI TJA1052I	RES 10K CHM. LT10W 19k 0402 SMD  RES 1K CHM 1/16W 19k 0402 RES 1K CHM 1/16W 19k 0402 RES 1Z0 CHM 1/16W 19k 0402 SMD  STM32F7	R20 R21 TOF U1 U2 U3 CAN1	0402-RES 0402-RES VLS3L0X POFP-G 48 WLCSP180 TIA1052i QFN16	RESISTOR0402-RES RESISTOR0402-RES VISSLOX DR-VB323R STM32F769AI TJA1052I MA700	Mechanics America, Inc.  Yageo STMicroelectronics Toxas Instruments STMICROELECTRO NICS ROP USA Inc. Monotifible Power Systems Inc.	RC0402FR- 071268L VLS3L0CXV0DH/1 DRV8323RHRGZR STM32F769AIY6TR TJA1052IT/5Y MA700GQ-Z	1 1 1 3 1 1 1 1 1 1	Digi-Kay Digi-Kay Newark Digi-Kay Digi-Kay	USD USD USD USD	5000 5000 5000 15000	497-16538-2-ND DRV83238HRGZR-ND 84Y8745 568-11942-1-ND MA700GQ-Z-ND Component Distributors Inc	732429 10000 0	14038.71888 14061.96781 48000 59698.22026	0.00213 2.80774 2.81239 9.6	
100K 15. 120R 120R 120R 1258.0X 10R98333R 1814327769Al 170A10531 MA700 1CM05649 NCV8154 1(TOS15	0IS 10K OHM 1/16W 19 0402 5MD 0402 5MD 0402 10K 0402 10K 0402 10K 19K 0402 10K 19K 0402 5MD 0404 5MD 0402 5MD 0404 5MD 0402 5MD 0402 5MD 0402 5MD 0402 5MD 0402 5MD 0402	R20 R21 TOF U1 U2 U3 CAN1	0402-RES 0402-RES VL53L0X POFP-G 48 WLCSP180 TIA 1052i GFN16	RESISTORO402-RES RESISTORO402-RES VI.SILOX DR.VB323R STM32F769AI TJA1052I MA700	Mechanics America, Inc.  Yageo STMicroelectronics Texas Instruments STMCROELECTRO NOS  NOP USA Inc. Monotithic Power Systems Inc.  Supplier disabled	RC0402FR- 07120fd. VLSSL0CXV0DH/1 DRV8323RHRGZR STM32F769AIY6TR TJA1052IT/SY MA700GO-Z	1 1 1 3 1 1 1 1 1 1 1 1 1	Digi-Key Digi-Key Newark Digi-Key Digi-Key Octopart	USD USD USD USD USD USD USD	5000 5000 5000 15000	497-16538-2-ND DRV832359+RGZR-ND SRY8745 SE8-11942-1-ND MA700GO-Z-ND Component Distributors Inc ICM-20849 NCV9154MW1802 80TCGOSTR-ND	732429 10000 0	14038.71888 14061.96781 48000 59698.22026 14532.25932	0.00213 2.80774 2.81239 9.6 3.97988 2.90645	