						Manufacturer Part			Supplier Currency	Supplier Order Oty	Supplier Part		Supplier Subtotal	Supplier Unit Price	
Comment	Description Socket	Designator	Footprint MOTOR_PLUG_F_3	LibRef Socket	Manufacturer 1	Number 1	Quantity 1	Supplier 1	1 1	1	Number 1	Supplier Stock 1	1	1	Value
LTC7103	2000	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	DF 40C-30-DS	Hirose Electric Co Ltd	DF40C(2:0)-30DS- 0:4V(51)	1	Digi-Key	USD	5000	H11771TR-ND	4000	2563 20202	0.51264	
PartNumber	CAP, CERM, 1000pF, 16V, +/- 10%, X7R, 0603	C1_A, C1_B, C1_C	0603-CAP	GRM188R71C102K A01D			3	Digi-Key	Loading		GRM188R71C102K A01D-ND	0			1000pF
0u1	CAP CER 0.1UF 16V Y5V 0402	C2. C7. C13. C48	0402-CAP	CAP0402	Murata Electronics North America	GRM155R62A104K E14D		Digi-Key	USD	20000	490-10458-2-ND	460000	82.36781	0.00412	
100:		C2, C7, C13, C48	1206-CAP	CAPACITOR-1206	TDK Corporation	C3216XSR1A107M 160AC	1	Digi-Key Digi-Key	USD		445-6007-2-ND	20000	82.36781 2547.84733	0.50957	001
PartNumber	CAP, CERM, 0.1 µF, 16 V, +/- 5%, X7R,		0603-CAP	0603YC104JAT2A	***********	0603YC104JAT2A		Dini-Key	usn	5000	478-3726-1-ND	104388	313.04528	0.06261	0.45
	CAP, CERM, 22 µF, 10 V, +/- 20%, X7S,			C3216X7S1A226M1	AVX Corporation	C3216X7S1A226M1		g)							U.Tur
PartNumber	1206 CAP, CERM, 2.2 μF, 100 V, +/- 10%,	CS	1206_180L	60AC	TDK Corporation	60AC	1	Digi-Key	USD	5000	445-8035-1-ND	3506	1578.47823	0.3157	22uF
PartNumber	X7R, 1210 CAP, CERM, 1 µF, 6.3 V, +/- 10%, X7R, 0603	C6	1210L	HMK325B7225KN-T	Taiyo Yuden	HMK325B7225KN-T	- 1	Digi-Key	USD	5000	587-1778-1-ND	246	894.38107	0.17888	2.2uF
PartNumber	6.3 V, +/- 10%, X7R, 0603 CAP, CERM, 0.047	C8, C11, C47, C53	0603-CAP	GRM188R70J105K A01D	Murata Electronics North America	GRM188R70J105K A01D	4	Digi-Key	USD	20000	490-3898-1-ND	0	4276.77774	0.21384	1uF
PartNumber	μF, 100 V, +/- 10%, X7S, 0603	C9	0603-CAP	C1608X7S2A473K0 80AB	TDK Corporation	C1608X7S2A473K0 80AB	1	Digi-Key	USD	5000	445-6032-1-ND	5845	211.75192	0.04235	0.047uF
1u	CAP CER 1UF 16V YSV 0603	C10	0805-CAP	CAP0603	Murata Electronics North America	GRM21BC72A105K E01L	1	Digi-Key	USD	5000	490-14464-2-ND	0	598.07915	0.11962	1u
PartNumber	CAP, CERM, 4.7 µF, 80 V, +/- 10%, X7R, 1210	C12	1210_270L	GRM32ER71K475K E14L	Murata Electronics North America	GRM32ER71K475K E14L	1	Digi-Key	USD	5000	490-9972-1-ND		2170.05048	0.43401	4.7uF
CAP CER 10000PF 50V X7R 0402	CAP CER 10000PF 50V X7R 0402	C14	CAPC1005L	Cap	TDK Corporation	CGA283X7R1H103 K050BB	1	Digi-Key	USD	5000	445-6893-1-ND	511525	83.12165	0.01662	10nF
2u2	CAP CER 2.2UF 16V 10% X6S 0603 CAP CER 0.1UF	C15, C17	0603-CAP	CAP0603	TDK Corporation	C1608X6S1C225K0 80AC CCM0278YSW78B1	2	Digi-Key	USD		445-7438-1-ND	39717	690.52471	0.06905	2u2
0u1	16V Y5V 0402	C18	0402-CAP	CAP0402	Yageo	04		Digi-Key	USD	5000	311-1047-1-ND	1604656	15.94984	0.00319	0u1
	CAP CER 0.1UE 6V YSV 0001, CAP CER	C19, C26, C27, C28, C32, C33,													
0u1	0.1UF 6V YSV 0201, CAP CER 0.1UF 16V YSV 0402	C34, C35, C36, C37, C38, C45_A, C45_B, C45_C, C52	0201-cap	CAP0402	Murata Electronics North America	GRM033C81E104M E14D	15	Digi-Key	USD	75000	490-10404-2-ND	30000	684.41458	0.00913	
Сар	Capacitor CAP CER 8PF 50V	C20, C21, C22, C23, C24, C25, C29, C30, C31, C46	CAPCS750L	Cap	TDK Murata Electronics	CGA9P3X7S2A156 M250KB GRM0335C1H8R0	10	Newark	USD	50000	8003236		173500	3.47	15uF
8p	NP0 0201	C39, C40	0201-cap	CAP0402	North America	DA01J	2	Digi-Key	USD	10000	490-13331-1-ND	31411	27.37658	0.00274	
GRM21BR60G107 ME15L		C41, C42	C0805	Capacitor	Murata Electronics North America	GRM21BR60G107 ME1SL	2	Digi-Key	USD	10000	490-10510-1-ND	404812	4281.61824	0.42816	100uF
2u2	CAP CER 2u2uF 6V YSV 0201	C43, C44	0201-cap	CAP0402	Murata Electronics North America	GRM033R60J225M E15D	2	Digi-Key	USD	10000	490-13224-1-ND	889138	536.66038	0.05367	
22uF	CAP CER 22UF 6.3V XSR 0402	C49	0201-cap	CAP0805	AVX Corporation	04026D226MAT2A	1	Digi-Key	USD	10000	478-9839-2-ND	0	2007.37803	0.20074	
4u7	CAP CER 4.7UF 6.3V XSR 0201	CS0	0201-cap	CAP0603	Murata Electronics North America	GRM035R60J475M E15D	1	Digi-Key	USD	10000	490-13230-2-ND	290000	955.32372	0.09553	
tu.	CAP CER 1UF 6.3V XSR 0201	CE1	0201-cap	CAP0603	Murata Electronics North America	GRM033R60J105M EA2D		Digi-Key	USD	15000	490-7229-2-ND	285000	260.79171	0.01739	
		CAN_CAN1, CAN_CAN2, CAN_CAN3			JST Sales America	BM04B-GHS-									
JST_GH_V4	BM04B-GHS-TBT Diode, Schottky, 100 V, 1 A, SOD-	CAN_CAN3	JST_GH_V4	JST_GH_V4	Inc. ON	TBT(LF)(SN)(N)	3	Digi-Key	USD	15000	455-1580-2-ND MBR1H100SFT3GO	137500	2632.07992	0.17547	
PartNumber	123FL DIODE SCHOTTKY	D1	SOD-123FL	MBR1H100SFT3G DIODE-	Semiconductor	MBR1H100SFT3G		Digi-Key	USD	5000	SCT-ND	0	1979.28728	0.39586	100V
Schottky barrier diode	30V 0.03A SOD323 EMIFIL (Capacitor	D2	SOD323	SCHOTTKY_SOD32 3	ON Semiconductor	RB751V40T1G	1	Digi-Key	USD	5000	RB751V40T1GOSC T-ND	136649	309.47442	0.06189	30V
Filter	type) Single Circuit Type for Signal Lines	F34	NFM18CC	NFM18CC222R1C3	Murata Electronics North America	NFM18PC225B1A3		Digi-Key	USD	5000	490-6972-1-ND	42931	796.26181	0.15925	0.00
riner	Industry Shielded	ritei	INFINITIOUS.	NFM IBCC222RTC3	North America	D.		Digi-key	USD	5000	490-0972-1-ND	42931	798.20101	0.15925	2.2ur
PartNumber	Drum Core, Ferrite, 15 µH, 1.1 A, 0.122 ohm, SMD		SD53	SD53-150-R	Eaton	SD53-150-R		Digi-Key	USD	rees	513-1458-1-ND	11878	5375.17387	1.07503	15uH
	Description FIXED IND 18UH 7.5A 22				Wurth Electronics							11070			13011
732-3880-2-ND	MOHM SMD Connector,	12	WE_IND	SD53-150-R	Inc.	7443551181	1	Digi-Key	USD	5000	732-3880-2-ND	0	13996.97243	2.79939	18uH
JST_SUR_6	Bmm IDC, R/A, SMD, Tin	P106	JST_SUR_H6	JST_SUR_6	JST Sales America Inc.	SM06B-SURS- TF (LF)(SN)	1	Digi-Key	USD	5000	SM068-SURS- TF(LF)(SN)-ND	0	2245.71301	0.44914	
		Q1_A, Q1_B, Q1_C, Q2_A, Q2_B, Q2_C, Q5_A, Q5_B, Q5_C,													
MOSFET-N	N-Channel MOSFET DES SMD 108	Q6_A, Q6_B, Q6_C, QAS1, QAS2	Q6B	MOSFET-N	Texas Instruments	CSD19502Q5B	14	Digi-Key	USD	70000	296-37194-1-ND	832	91430.40767	1.30615	
RES SMD 10K OHM 5% 1/16W 0402	OHM 5% 1/16W 0402	R2, R8	0402-RES	Resistor	Yageo	RC0402JR-0710KL	2	Digi-Key	USD	10000	311-10KJRTR-ND	4255000	14.44214	0.00144	10K
Current sense resistor	2W, 0.001R 5025 current sense resistor	R3 A. R3 B. R3 C	4RESC5125XD9N	WSLP20101L000FE K	Stackpole Electronics Inc.	CSNL2010FT1L00	-	Digi-Key	USD	15000	CSNL2010FT1L00CT	16558	3302.8062	0.22019	0.001R
20	RES 2K OHM 1/16W 1% 0402	R4, R5, R11, R12,	0402-RES	RESISTOR0402-RES			,	Diai Kerr	Lordin-			10330	23023002	0.22019	
2K PartNumber	SMD RES, 28.0 k, 1%, 0.1 W, 0603	R13	0603L	CRCW060328K0FK EA	Vishay Dale	CRCW060328K0FK EA	1	Digi-Key	USD	5000	311-2.0KLRCT-ND 541-28.0KHCT-ND	56019	28.72557	0.00575	28.0k
	RES, 8.45 k, 1%, 0.1 W, 0603	R7	0603L	CRCW06038K45FK EA	Vishay Dale	CRCW06038K45FK EA	1	Digi-Key	USD	5000	541-8.45KHCT-ND	8	28.72557	0.00575	8.45k
RES	0.1 W, 0603 RES SMD 18K OHM 1% 1/8W 0805	R9_A, R9_B, R9_C, R16	R0805	R00155	Yageo	RC0805FR-0718KL	4	Digi-Key	USD		311-18.0KCRCT-ND	472049	71.57588	0.00358	18k
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	311-1.00KCRCT-ND	6559357	71.57588	0.00358	1k
	The PWR163 Series is a DPAK style surface mount power resistor.														
PWR163	surface mount power resistor. RFS 10K OHM	R15	PWR163	Resistor 25W 1R DPAK	Bourns Inc.	PWR163S-25- 1R00J	- 1	Digi-Key	USD	5000	PWR163S-25- 1R00J-ND	84	5568.31764	1.11366	
10K	1/16W 1% 0402 SMD	R19, R24	0402-RES	RESISTOR0402-RES	Yageo	RC0402FR-0710KL	2	Digi-Key	USD	10000	311-10.0KLRCT-ND	12929409	20.15551	0.00202	
1K	RES 1K OHM 1/16W 1% 0402	R20	0402-RES	RESISTOR0402-RES	Samsung Electro- Mechanics America, Inc.	RC1005F102CS	1	Digi-Key	USD	5000	1276-3430-1-ND	285314	9.80002	0.00196	1K
	RES 120 OHM 1/16W 1% 0402 SMD	R21	0402-RES	RESISTOR0402-RES	Vanna	RC0402FR- 07120RL		Digi-Key	USD	5000		642324	10.07776	0.00202	
	RES DOHM 1/16W				Yageo Panasonic Electronic		1					642324			
OR VL53L0X	1% 0201 SMD	R22, R23 TOF	0201-RES VL53L0X	RESISTOR0402-RES VL53L0X	Components STMicroelectronics	ERJ-1GN0R00C VL53L0CXV0DH/1	2	Digi-Key Digi-Key	USD	15000 5000	P15979TR-ND 497-16538-2-ND	6480000 10000	41.1839	0.00275	
DRV8323R		U1	PQFP-G48	DRV8323R	Texas Instruments STMICROELECTRO	DRV8323RHRGZR	1	Digi-Key	USD	5000	DRV8323RHRGZR- ND	00	13331.91984	2.66638	
	STM32F7	U2 US CAN!	WLCSP180	STM32F769AI	STMICROELECTRO NICS	STM32F769AIY6TR	1	Newark	USD	5000	84Y8745	0	48000	9.6	
TJA1052i		U3I_CAN1, U3I_CAN2, U3I_CAN3	TJA1052i	TJA1052i	NOP USA Inc.	TJA1052IT/SY	3	Digi-Key	USD	15000	568-11942-1-ND	5438	56599.062	3.77327	
MA700	MA700	U4	QFN16	MA700	Monolithic Power Systems Inc.	MA700GQ-Z	- 1	Digi-Key	USD	5000	MA700GQ-Z-ND Component	0	13777.80106	2.75556	
ICM20649		us	ICM20649	ICM20649	Supplier disabled	Supplier disabled	1	Octopart	Supplier disabled		Distributors Inc				
NCV8154	IC REG LDO 1.8v and 2.8v	U6	NCV8154	NCV8154	ON Semiconductor	NCV8154MTW1802 80TCG	1	Digi-Key	USD	5000	NCV8154MTW1802 80TCGOSTR-ND LTC4316IDD#P8F-	3000	1492.69827	0.29854	
LTC4316 Crystal Oscillator In SMD 1.6 x 1.2	CRYSTAL 24MHZ	U7	OSCILLATOR-	UTC4316 OSCILLATOR-	Linear Technology TXC CORPORATION	LTC4316IDD#PBF	1	Digi-Key	USD	5000 5000	ND 887-1846-2-ND	899	10502.29208	2.10046 0.94625	
	8PF SMD	0.1	1.6x1.2	3.202.5	-UKPUKAIION	8Q-24.000MEEV-T	1	Digi-Key	lean.	5000	yar-1646-Z-ND		4731.22902	0.94625	