

Bill Of Materials for: TEAM14, Exhaust System for Electric Vehicles

Last modified: 12-12-2024

PCB version: PCB VERSION #3

BOM revision: BOM REVISIOIP/NP = Place/Not Place (components marked NP are not stuffed on the board)

Cnt	Part References	P/NP	Mfg	Mfg PN	Description	Dist	Dist Part Number	Cost	Total	Datasheet
1	A1	P	LAFVIN	A000005	x3 Nano V3.0, Nano Board ATmega328P 5V 16M Micro	Amazon	B07G99NNXL	\$15.99		https://mm.
1	C1	P	Murata Electronics	GRM31CR60J107KEA8L	CAP CER 100UF 6.3V X5R 1206	Digi-Key	490-GRM31CR60J107I	\$0.54		https://sear
1	C2	P	KEMET	C1206X106J3RACAUTO	CAP CER 10UF 25V X7R 1206	Digi-Key	399-15736-1-ND	\$1.59		https://sear
1	J1	P	Molex	1040310811	10 (8 + 2) Position Card Connector Secure Digital - micr	Digi-Key	WM6357CT-ND	\$2.30		https://www
3	R1, R2, R4	P	Panasonic Electronic Components	ERJ-6ENF2200V	RES SMD 220 OHM 1% 1/8W 0805	Digi-Key	P220CCT-ND	\$0.052		
3	R3, R5, R6	P	Panasonic Electronic Components	ERJ-6ENF1001V	RES SMD 1K OHM 1% 1/8W 0805	Digi-Key	P1.00KCCT-ND	\$0.052		https://indu
1	U1	NP	SWCTSY	SW765071651710	E-Bike Throttle Grip	Amazon	765071651710	\$14.58		https://indu
1	U2, U3	NP	Adafruit	1375	Standalone Toggle Capacitive Touch Sensor Breakout	Adafruit	AT42QT1012	\$0.33		
1	U4	P	Texas Instruments	LM7805CT/NOPB	IC REG LINEAR 5V 1A TO220-3	Digi-Key	296-47192-ND	\$1.74		https://www
1	LED1	P	Dialight	5612101060F	LED CBI 5MM RED TH PC MNT	Digi-Key	350-2813-ND	\$1.43		https://mm.
1	LED2	P	Dialight	5612201060F	LED CBI 5MM GRN TH PC MNT	Digi-Key	350-2374-ND	\$1.52		https://mm.
1	LED3	P	Dialight	5612301060F	LED CBI 5MM YELLOW TH PC MNT	Digi-Key	350-3148-ND	\$1.43		https://mm.
1	SL, SR	NP	Esooho	EK1725	Gikfun 2" 40hm 3W Full Range Audio Speaker Stereo v	Amazon	B01CHYIU26	\$9.99		https://www
3	Vbattery	NP	ZEUS Battery Products	ZEUS 9V	BATTERY ALKALINE 9V	Digi-Key	2059-ZEUS9V-ND	\$2.00		https://www
1	VBat1	P	Keystone Electronics	81-4	BATT CONNECTOR SNAP 9V 4" LEADS	Digi-Key	36-81-4-ND	\$0.67		https://www
3	U1, U2, U3	P	Amphenol ICC	G800W305018EU	PIN HEADER 2.54MM PITCH STR,1X3P	Digi-Key	664-G800W305018EU-	\$0.062		https://cdn.
3	LS1, LS2	P	Amphenol ICC	G800W306018EU	PIN HEADER 2.54MM PITCH STR,1X2P	Digi-Key	664-G800W306018EU-	\$0.046		https://cdn.
1	EXH	NP	A-KARCK	N-ATP355012RACB	A-KARCK Exhaust Tip 3.5 Inch Inlet, 3.5" Inlet 5" Outlet	Amazon	8.83343E+11	\$27.99		https://www
1	Micro SD Card	P	MCG Bear LTD	SDSQUNB-032G-GN3MN	SanDisk 32GB 32G Ultra Micro SD HC Class 10 TF Fla	Amazon	B010NE3QHQ	\$7.82		https://www
15	Jumper Wires	P				EPL		\$7.50		
1	PCB (OSH Park ~)							\$8.18		
1	Shipping & Tariff							\$20.41		
							TOTAL:	\$126.22		