

Bill Of Materials for: TEAM 16									
Last modified: 11/12/2024									
PCB version: #1									
BOM revision: #1		P/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 Ea.	Cost Total
1	U2	P	Broadcom	LY438	I2C module	Amazon	B07X3KWQZ7	\$2.66	\$2.66
1	DS1	P	Wincom Tech	WC1602A-SFYLYHTC06	LCD 1602 Screen	Amazon	B019K5X53O	\$9.99	\$9.99
1	RFID1	P	HiLetgo	3-01-0490-3pcs	RC522 RFID Scanner	Amazon	B07VLDSYRW	\$3.33	\$3.33
1	M1	P	Esooho	LYSB015PQW8AS-ELECTRNCS	3V-6V DC Motor	Amazon	B015PQW8AS	\$1.00	\$1.00
1	J1	P	Raspberry Pi Foundation	SC15184	Raspberry Pi 4 model B	Amazon	B07TD42S27	59.99	59.99
1	U4	P	BOJACK	BJ-L293	L293D Driver	Amazon	B09NBQVYLL	\$0.10	\$0.10
1	U1	P	NanJeffly	CAT24C256LI DIP-8	EEPROM Memory CAT24C256	Amazon	B0DDCW8XG8	\$3.50	\$3.50
1	C1	P	N/A	N/A	100nF ±20%	N/A	N/A	\$0.00	\$0.00
1	JP1	P	N/A	N/A	Bridge - write protection	N/A	N/A	\$0.00	\$0.00
2	R1, R2	P	N/A	N/A	3.9kOhms ±5%	N/A	N/A	\$0.00	\$0.00
1	J2	P	Kework	663577323332	Audio jack 3	Amazon	B07GPPS9YD	\$2.00	\$2.00
1	RV1	P	BOJACK	XH2.54-3	Variable Resistor - 10kΩ	Amazon	B0868TRS94	\$3.50	\$3.50
1	U3	P	BOJACK	LM386N	LM386	Amazon	B07WQWR89Q	\$3.50	\$3.50
1	C2	P	N/A	N/A	10uF ±20%	N/A	N/A	\$0.00	\$0.00
1	C3	P	N/A	N/A	1000uF ±20%	N/A	N/A	\$0.00	\$0.00
1	LS1	P	Qiilu	Qiilu98te3mgx7k	5W 80Ω Speaker	Amazon	B0C1XMSM2M	\$5.97	\$5.97
								TOTAL:	\$95.54
VERSION INFO									
Rev	Date	Notes							
1.0r0	2020-11-12	Initial BOM. Not everything is placed. Mostly found on Amazon, confirm links/ parts in next revision							
2.0r0	2020-11-14	Based on updated schematic layout including all tested hardware and LCD screen							