2	Quantity	Part Decription	Part Designator	Mouser PN	TaydaElectronics.com	PJRC.com	Digikey.com	Price (U	-	Ext.: (L	JSD)	Comment
1												
2	2	2.2nF 50V SMD 1206 Capacitor	C32, C34	80-C1206C222K5RAC				\$ ().10	•		
1	1	•										
A TOAL FLAN All Informatic Circle (Circle Continue) Circle Continu		-			187-CL31A225KB9LNNC							
1 1.0		•								•		
3 100 Dokes Molf, Colonis to suit 07,00 Or 04,00 Or 05,00 Or 05,0	3	470uF 25V Aluminum Electrolytic Cap	C1, C6, C7									
2 200 COS MAIO Decembione 5 200 COS MIN 10 Rec In Audio Out 200 Min 200 Mi	1	S1A-13-F Diode or equivalent (1N4001)										
A AP Fernia Starte July, PC Mount CLI, Quil, Mich, Ree, In, Addo, Out 490-41353N 490-41353N 5 400 5 400 6 400	3	LED Diodes SMD; Colors to suit	D2, D3, D4									
1 1 1 1 1 1 1 1 1 1	1		D5	78-MMSZ5240C-E3-08								
1 SUPPORTO, COULE AMOSEY 1904 TO 2018 COULE AMOSEY 1904 TO 2018 SUPPORTO, COULE AMOSEY 1904 TO 2018	4	1/8" Female Stereo Jack, PCB Mount		490-SJ1-3515N			CP1-3515N-ND					
2 20/000 TO-92 20/000 TO-92 31.24 700000	3	Inductor 10uH 20%		81-1264EY-100MP3						•		
\$ 1 000 ms before 1000 Resistor 1 15 000 ms bef	1	SUP90P06-09L-E3 MOSFET 90A TO-220-3		781-SUP90P06-09L-E3								
1 130 Off m 5MD 1208 Resistor	2	2N7000 TO-92		512-2N7000BU						•		
2 20 0 mm SMD 1206 Resider	3	100 Ohm SMD 1206 Resistor		652-CR1206FX-1000ELF						•		
3 33 33 33 33 33 33 34	1	150 Ohm SMD 1206 Resistor	R15	603-RC1206JR-07150RL				\$ ().10	\$ 0	.10	
P	2	220 Ohm SMD 1206 Resistor	R4, R5	279-CRGCQ1206J220R				\$ ().10	\$ 0	.20	
1	3	330 Ohm SMD 1206 Resistor*	R8, R9, R14	708-RMCF1206FT330R				\$ ().10	\$ 0	.30	
1	2	470 Ohm SMD 1206 Resistor	R10, R13	CRCW1206470RJNEAC				\$ ().10	\$ 0	1.20	
2 20	1	1K Ohm SMD 1206 Resistor	R3	CRCW12061K00JNEAC				\$ ().10	\$ 0	1.10	
1 100 c	1	2.2K Ohm SMD 1206 Resistor	R7	CRCW12062K20JNEAC				\$ ().10	\$ 0	.10	
1 SPST Momentary Contact Pushbutton	2	10K Ohm SMD 1206 Resistor	R1, R2	CRCW120610K0FKEB				\$ ().10	\$ 0	1.20	
1 Tenny Audio Hat	1	100K Ohm SMD 1206 Resistor	R16	71-CRCW1206100KFKEB				\$ ().10	\$ 0	1.10	
Parene	1	SPST Momentary Contact Pushbutton	S1		A-4720			\$ ().39	\$ 0	1.39	
1	1	Teensy 4.1	Teensy 4.1			TEENSY41		\$ 33	1.50	\$ 31	50	
1	1	Teensy Audio Hat	Hat			TEENSY4_AUDIO		\$ 14	1.40	\$ 14	.40	
1	1	LM7805CT Voltage Reg. TO-220-3	U1	926-LM7805CT/NOPB				\$:	1.70	\$ 1	70	
A THINYBS-20PU	1	AP7381-50V-A LDO Voltage Reg. TO-92	U2	AP7381-50V-A				\$ ().46	\$ 0	.46	
1 PCMS102APW Stereo DAC TSSOP-20 U5 595-PCM5102APWR \$ 5,02 \$ 5,02 \$ 5,02 \$ 1,71<	1	LM1117T-3.3 LDO Voltage Reg. TO-220-3	U3	926-LM1117T-3.3/NOPB				\$:	1.69	\$ 1	69	
FOM 1808 PWR Stereo ADC TSSOP-14 U6 595-PCM1808 PWR	1	ATTINY85-20PU	U4	556-ATTINY85-20PU				\$:	1.66	\$ 1	66	
1 10 2.66 female	1	PCM5102APW Stereo DAC TSSOP-20	U5	595-PCM5102APWR				\$!	5.02	\$ 5	.02	
1 IDC 2x6 Female USBHost TP1, TP2, Fan1, Fan2 A4662 \$ 0.22 \$ 0.22	1	PCM1808PWR Stereo ADC TSSOP-14	U6	595-PCM1808PWR				\$:	1.71	\$ 1	71	
A	1	8-PIN IC Socket	For U4		A-001							
Fig. 10C 2x5 Keyed Male PCB Socket 10C 2x5 Keyed Male PCB Socket 2x5 Keyed Mal	1	IDC 2x6 Female			A-195			\$ ().22	\$ 0	1.22	
1 IDC 2x3 Keyed Male PCB Socket Keys/PTT 732-5394-ND \$ 0.48 \$ 0.02 \$ 0.02 \$ 0.02 \$ 0.02 \$ 0.02 \$ 0.02 \$ 0.02 \$ 0.02 \$ 0.02 \$ 0.02 \$ 0.02 \$ 0.02 \$ 0.02 \$ 0.02 \$ 0.02 <th>4</th> <th></th> <th>TP1, TP2, Fan1, Fan2</th> <th></th> <th></th> <th></th> <th></th> <th>•</th> <th></th> <th></th> <th></th> <th>Set ؛</th>	4		TP1, TP2, Fan1, Fan2					•				Set ؛
1 IDC 2x3 Male Pins Ethernet 732-5394-ND \$ 0.48 \$ 0.48 \$ 0.48 \$ 0.48 \$ 0.48 \$ 0.48 \$ 0.48 \$ 0.48 \$ 0.48 \$ 0.48 \$ 0.48 \$ 0.48 \$ 0.48 \$ 0.48 \$ 0.48 \$ 0.13 \$ 0.13 \$ 0.13 \$ 0.13 \$ 0.13 \$ 0.13 \$ 0.13 \$ 0.13 \$ 0.13 \$ 0.13 \$ 0.13 \$ 0.13 \$ 0.13 \$ 0.13 \$ 0.13 \$ 0.13 \$ 0.13 \$ 0.10 1 IDC 1x3 Male Pins Mic_J, SW_J A-5773 A-5774 A-5774 A-5774 A-5774 A-5774 A-5774 A-1824 A-1	5	IDC 2x5 Keyed Male PCB Socket	Bands, Display, FrontPanel, Encoder, RFControl		A-2939			\$ ().14	\$ 0	.70	
1 IDC 2x3 Male *0.2 pitch Teensy Ethernet connection A-1298 1849-1000-ND \$ 0.33 \$ 0.13 \$ 0.15 1 IDC 2x3 Female *0.2 pitch Teensy Ethernet connection \$5550-03-ND \$ 0.80 \$ 0.80 \$ 0.80 2 IDC 1x2 Male Pins Mic_J, SW_J A-5773 \$ 0.02 \$ 0.02 \$ 0.04 2 IDC 1x3 Female Connectors (with wires) Mic_J, SW_J A-6153 \$ 0.02 \$ 0.02 \$ 0.02 1 IDC 1x3 Male Pins Acc A-5774 \$ 0.02 \$ 0.18 \$ 0.18 1 IDC Shorting Cap (for "Disp_Pwr" connector) A-1324 \$ 0.02 \$ 0.02 \$ 0.02 1 IDC 1x3 Male Pins 90 Degrees I/Q_P A-199 \$ 0.17 \$ 0.17 \$ 0.17 1 IDC 1x3 Female Pins (with wires) I/Q_P A-6153 \$ 0.79 \$ 0.79 \$ 0.79 \$ 0.79 1 IDC 1x3 Female Pins (with wires) I/Q_P A-6153 \$ 0.02 \$ 0.02 \$ 0.02 \$ 0.02 \$ 0.02 \$ 0.02 \$ 0.02 \$ 0.02 \$ 0.02 \$ 0.02 \$ 0.02 \$ 0.02 \$ 0.02 \$ 0.02 <th>1</th> <th>IDC 2x3 Keyed Male PCB Socket</th> <th>Keys/PTT</th> <th></th> <th></th> <th></th> <th>732-5394-ND</th> <th>\$ (</th> <th>).48</th> <th>\$ 0</th> <th>.48</th> <th></th>	1	IDC 2x3 Keyed Male PCB Socket	Keys/PTT				732-5394-ND	\$ ().48	\$ 0	.48	
1 IDC 2x3 Female *0.2 pitch Teensy Ethernet connection \$5750-03-ND \$ 0.80 \$ 0.80 \$ 0.80 \$ 0.80 \$ 0.80 \$ 0.80 \$ 0.80 \$ 0.80 \$ 0.80 \$ 0.80 \$ 0.80 \$ 0.80 \$ 0.80 \$ 0.80 \$ 0.80 \$ 0.80 \$ 0.02 \$ 0.02 \$ 0.04 \$ 0.04 \$ 0.02 \$ 0.04 \$ 0.02	1						732-5394-ND			•		
2 IDC 1x2 Male Pins Mic_J SW_J A-5773 \$ 0.02 \$ 0.04 2 IDC 1x2 Female Connectors (with wires) Mic_P, SW_P A-6153 \$ 0.79 \$ 0.79 1 IDC 1x3 Male Pins Disp_Pwr A-5774 \$ 0.02 \$ 0.02 1 IDC 2x4 Male Pins Acc A-2948 \$ 0.18 \$ 0.18 \$ 0.18 1 IDC Shorting Cap (for "Disp_Pwr" connector) A-1324 \$ 0.02 \$ 0.02 1 IDC 1x3 Male Pins 90 Degrees I/Q_P A-6153 \$ 0.17 \$ 0.17 1 IDC 1x3 Female Pins (with wires) I/Q_J A-6153 \$ 0.79 \$ 0.17 1 IDC 1x3 Female Pins (with wires) I/Q_J A-6153 \$ 0.79 \$ 0.17 1 Male Pin set for the Audio Hat A-6153 \$ 0.79 \$ 0.50 \$ 0.50 1 Female Header set for the Eensy A-662 \$ 0.50 \$ 0.50 \$ 0.50 1 Female Header set for the Teensy A-1055 A-1055 \$ 0.22 \$ 0.22 1 12VDC Fan (40mm x 40mm x 6mm) Or equivalent 490-HSE-B20250-040H \$ 0.02	1	IDC 2x3 Male *0.2 pitch	Teensy Ethernet connection		A-1298		1849-1000-ND					
2 IDC 1x2 Female Connectors (with wires) Mic_P, SW_P A-6153 \$ 0.79	1	IDC 2x3 Female *0.2 pitch	·				S5750-03-ND					
1 IDC 1x3 Male Pins Disp_Pwr A-5774 \$ 0.02 \$ 0.02 \$ 0.02 \$ 0.02 \$ 0.18 \$ 0.18 \$ 0.18 \$ 0.18 \$ 0.18 \$ 0.18 \$ 0.02 \$ 0.0	2											
1 IDC 2x4 Male Pins Acc A-2948 \$ 0.18 \$ 0.18 \$ 0.18 \$ 0.18 \$ 0.18 \$ 0.18 \$ 0.18 \$ 0.18 \$ 0.18 \$ 0.02 <th>2</th> <th></th>	2											
1 IDC Shorting Cap (for "Disp_Pwr" connector) A-1324 \$ 0.02 <th>1</th> <th>IDC 1x3 Male Pins</th> <th>Disp_Pwr</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>	1	IDC 1x3 Male Pins	Disp_Pwr									
1 IDC 1x3 Male Pins 90 Degrees I/Q P A-199 \$ 0.17 \$ 0.17 \$ 0.17 1 IDC 1x3 Female Pins (with wires) I/Q J A-6153 \$ 0.79 \$ - Use From Set Above 1 Male Pin set for the Audio Hat \$ 0.50 \$ 0.50 \$ 0.50 1 Female Header set for the Teensy A-1055 \$ 0.22 \$ 0.22 1 12VDC Fan (40mm x 40mm x 40mm x 6mm) Or equivalent 664-AD0412HXK96XT1 2 TO-220 Type Heat Sinks * Check This Number for correctness * 490-HSE-B20250-040H \$ 0.87 \$ 1.74	1	IDC 2x4 Male Pins										
1 IDC 1x3 Female Pins (with wires) I/Q_J A-6153 \$ 0.79 \$ - Use From Set Above 1 Male Pin set for the Audio Hat A-4662 \$ 0.50 \$ 0.50 1 Female Header set for the Teensy A-1055 \$ 0.22 \$ 0.22 1 12VDC Fan (40mm x 40mm x 6mm) Or equivalent 664-AD0412HXK96XT1 2 TO-220 Type Heat Sinks * Check This Number for correctness * 490-HSE-B20250-040H \$ 0.87 \$ 1.74	1	_ ·	· · · · · · · —									
1 Male Pin set for the Audio Hat A-4662 \$ 0.50 \$ 0.50 1 Female Header set for the Teensy A-1055 \$ 0.22 \$ 0.22 1 12VDC Fan (40mm x 40mm x 6mm) Or equivalent 664-AD0412HXK96XT1 \$ 9.35 \$ 9.35 2 TO-220 Type Heat Sinks * Check This Number for correctness * 490-HSE-B20250-040H \$ 0.87 \$ 1.74	1											
1 Female Header set for the Teensy A-1055 \$ 0.22 \$ 0.22 1 12VDC Fan (40mm x 40mm x 6mm) Or equivalent 664-AD0412HXK96XT1 \$ 9.35 \$ 9.35 2 TO-220 Type Heat Sinks * Check This Number for correctness * 490-HSE-B20250-040H \$ 0.87 \$ 1.74	1		I/Q_J									From Set Above
1 12VDC Fan (40mm x 40mm x 6mm) Or equivalent 664-AD0412HXK96XT1 \$ 9.35 \$ 9.35 2 TO-220 Type Heat Sinks * Check This Number for correctness * 490-HSE-B20250-040H \$ 0.87 \$ 1.74	1											
2 TO-220 Type Heat Sinks * Check This Number for correctness * 490-HSE-B20250-040H \$ 0.87 \$ 1.74	1	•			A-1055							
··	1		·									
1 USB Connector USB Host (cable with connector to outside world)				490-HSE-B20250-040H				\$ ().87	\$ 1	74	
	1	USB Connector	USBHost (cable with connector to outside world)						_			

\$ 96.53

Populate board with EITHER the parts for the Shut Down option or Reverse Voltage Protection option but NOT BOTH

^{*} Use appropriate resistor for LEDs