













Comment	Description	Designator	Footprint	LibRef	Quantity
AMPLIFIER_INPUT	Header, 2-Pin	AMP1	HDR1X2	Header 2	1
1uF	Tantalum Capacitor, 1 uF, +/- 10%, 50 V, -55 to 125 degC, 2-Pin SMD, RoHS, Tape and Reel	C1, C2, C4, C5	KEMT-T491-C_L	CMP-2000-07195-1	4
0.1uF	Ceramic Capacitor for Automotive 100nF ±10% 50VDC X8L 0603 Paper T/R	C3, C6	FP-GCM188-0_1- IPC_B	CMP-2006-02353-3	2
270pF	CAP CER 270PF 50V COG/NP0 0805	C7, C13	FP-C0805C-DN-MFG	CMP-1036-02406-3	2
10uF	Capacitor, Tantalum, 10 uF, +/- 10%, 10 V, - 55 to 125 degC, 2-Pin SMD (1206), RoHS, Tape and Reel	C8, C10	KEMT-A-3216-18-2_M	CMP-2000-05172-1	2
100 uF	Tantalum Surface Mount Capacitor, 100 uF, +/- 10%, 16 V, -55 to 125 degC, 2917 (7343 Metric), RoHS, Tape and Reel	С9	KEMT-T491-D_L	CMP-2000-07541-1	1
100 nF	CAP CER 0.1UF 50V X7R 0805	C11	FP-C0805C-DN-MFG	CMP-2007-00279-2	1
100nF	CAP CER 0.1UF 50V X7R 0805	C12	FP-C0805C-DN-MFG	CMP-2007-00279-2	1
TLMS1000-GS08	Low Current LED, 40 mW, 1.8 V, -40 to 100 degC, 2-Pin SMD (0603), RoHS, Tape and Reel	DS1, DS2, DS3	VISH-TLMS1000_V	CMP-2000-07254-1	3
TLMY1000-GS08	Low Current LED, 40 mW, -40 to 100 degC, 2-Pin SMD, RoHS, Tape and Reel	DS4, DS5, DS6	VISH-TLMY1000_V	CMP-2000-07255-1	3
EXP_SAMP	Header, 2-Pin	EXP1	HDR1X2	Header 2	1
GUITAR_OUTPUT	Header, 2-Pin	GTR1	HDR1X2	Header 2	1
694103303002	DC Power Jack Connector WR-DC, Male, Right Angled, THT, 2 A, 30 V	J1	694103303002	CMP-1502-00185-1	1
Green	SMD mono-color Chip LED, WL-SMCW, Green	LED1, LED12	0603_A	CMP-1426-00002-1	2
1655	Intelligent Control LED Integrated Light Source, 3.5 to 5.3 V, - 25 to 80 degC, 4-Pin SMD, RoHS, Tape and Reel	LED8, LED9, LED10,	ADA-RGB-1655_V	CMP-2000-05026-1	10
B3B-PH-K-S(LF)(SN)	Male Header, Pitch 2 mm, 1 x 3 Position, Height 6 mm, Tail Length 3.4 mm, -25 to 85 degC, RoHS, Bulk	P1	JST-B3B-PH-K-S-3_V	CMP-2000-05164-1	1

Comment	Description	Designator	Footprint	LibRef	Quantity
	High Reliability Cable				
	Header, Through-				
T2M-110-01-L-D-TH-	hole, Vertical, -55 to	P2	SMTC-T2M-110-01-X-	CMP-1029-00094-1	1
WT	125 degC, 2 mm	F Z	D-TH-WT	CIVIF - 1027-00074-1	ı
	Pitch, 20-Pin, Male,				
	RoHS				
	Square Trimpot(R)				
100K	Trimming				
	Potentiometer, 100	POT1	BOUR-3362P	CMP-1747-00003-1	1
	KOhm, 300 V, -55 to	FOIT			'
	125 degC, 3-Pin THD,				
	RoHS, Tube				
90		R1, R12	RESC2013X50X40LL20	CMP-2001-03378-1	2
70		IXI, IXIZ	T20	ON 2001 03370 1	2
	Thick Film Chip				
10K	Resistors 1206 10kΩ	R2, R6, R7, R8	FP-CR1206-IPC_B	CMP-07231-005593-1	4
IUK	0.25W 5% 200ppm/°C	K2, K0, K7, K0		GIVII -07231-003373-1	
	0.20 11 070 200pp1117 0				
750		R3, R4, R5	RESC2013X50X40LL20	CMP-2001-03378-1	3
			T20		_
RR1220P-331-D		R9, R10, R11	RESC2013X50X40LL20	CMP-2001-03378-1	3
	01		T20		
	Chip Resistor, 10			CMP-1659-00013-4	
401/	KOhm, +/- 1%, 0.125	D40 D47	RESC2013X60X35NL10		
10K	W, -55 to 155 degC,	R13, R16	T20		2
	0805 (2012 Metric),				
	RoHS, Tape and Reel				
	Chip Resistor, 470		RESC2013X70X40ML2 0T20	CMP-2001-00549-5	
	Ohm, +/- 1%, 0.125				
470	W, -55 to 155 degC,	R14, R17			2
	0805 (2012 Metric),				
	RoHS, Tape and Reel				
	Chip Resistor, 100		RESC2013X60X35ML1 0T20	CMP-2100-03668-1	
100K	KOhm, +/- 1%, 0.125				
	W, -55 to 155 degC,	R15			1
	0805 (2012 Metric),				
	RoHS, Tape and Reel				
	Chip Resistor, 1000		RESC2013X70X40NL20 T20	CMP-2001-04378-5	
	KOhm, +/- 1%, 0.125				
1M	W, -55 to 155 degC,	R18			1
	0805 (2012 Metric),				
	RoHS, Tape and Reel				
Momentary	SWITCH TACTILE SPST-	SW1, SW2, SW3	FP-B3SN-3112P-MFG	CMP-08834-000011-1	3
	NO 0.05A 24V				
Teensy 4.1 Socket	Teensy 4.1	U1	Teensy 4.1 Socket	Teensy 4.1 Socket	1
LM7805MPX/NOPB	IC REG LINEAR 5V	U2	FP-LM7805MPX-	CMP-04917-000022-1	1
	1.5A SOT223-4		NOPB-MFG	21717 333022 1	
3.3V Reg	800mA Low-Dropout	110	KTT0003B_N	CMP-0062-00678-5	
	Linear Regulator, 3-	U3]
ECD33 Davikito 335	pin TO-263, Pb-Free	114	ECD33 Davikito 33D	ECD33 Davikito 33D	
ESP32-DevKitC-32D	1 M la Laur Danne	U4	ESP32-DevKitC-32D	ESP32-DevKitC-32D	1
MCP6002	1 MHz, Low-Power		SOIC SNIO M	CMD 0197 00269 2	
	Operational	LIE			
	Amplifier, 8-Pin	U5	SOIC-SN8_M	CMP-0187-00368-2	1
	SOIC, Extended				
	Temperature				
SN74LV1T34DBVR	IC BUF NON-INVERT	U6	FP-DBV0005A-IPC_B	CMP-0859-00123-4	1
	5.5V SOT23-5	<u> </u>			<u> </u>