

Bill Of Materials for Bode Analyzer

Design Title	Bode Analyzer
Author	Paulo Miyoshi Pecegheiro
Document Number	TCC prj1
Revision	1
Design Created	Sunday, November 27, 2022
Design Last Modified	Monday, November 13, 2023
Total Parts In Design	155

61 Capacitors

Quantity	References	Value	Stock Code	Unit Cost	Extended	PCB Package
21	C1,C2,C5,C6,C10,C13,C14,C15,C16,C17,C18,C19,C22,C23,C26,C43,C46,C50,C51,C55,C58	100n	C14663	\$0.00	False	0603_CAP
12	C3,C8,C11,C24,C28,C37,C41,C47,C48,C49,C53,C56	47u	C96123	\$0.08	False	CAPC3216X140
13	C4,C7,C9,C12,C25,C29,C38,C40,C42,C45,C52,C54,C57	1.0u	C15849	\$0.00	False	CAPC1608X87
2	C20,C21	12pF	C1547	\$0.00	False	CAPC1005X55
2	C27,C36	220u	C136294	\$0.30	True	CAPAE830X1080N
2	C30,C44	2.2u	C23630	\$0.02	False	CAPC3216X140
4	C31,C32,C33,C34	12pf	C38523	\$0.01	False	CAPC1608X87
1	C35	22U	C250970	\$0.18	True	CAPPRD250W50D630H1270
4	C59,C60,C61,C62	2n2	C1604	\$0.00	False	0603_CAP
Sub-totals:				\$1.91		

66 Resistors

Quantity	References	Value	Stock Code	Unit Cost	Extended	PCB Package
2	R1,R2	5.1K	C23186	\$0.00	False	RESC1608X50A
1	R3	0	C21189	\$0.00	False	RESC1608X50A
10	R4,R39,R40,R41,R42,R43,R44,R45,R46,R47	56K	C23206	\$0.00	False	RESC1608X50A
1	R5	120	C25079	\$0.00	False	RESC1005X40
10	R6,R7,R55,R56,R57,R58,R63,R64,R65,R66	1.2K	C22765	\$0.00	False	RESC1608X50A
38	R8,R9,R10,R11,R12,R13,R14,R15,R16,R17,R18,R19,R20,R21,R22,R23,R24,R25,R26,R27,R28,R29,R30,R31,R32,R33,R34,R35,R36,R37,R38,R48,R49,R50,R51,R52,R53,R54	51.0	C23197	\$0.00	False	RESC1608X50A
4	R59,R60,R61,R62	0.1	C21189	\$0.00	False	RESC1608X50A
Sub-totals:				\$0.06		

7 Integrated Circuits

Quantity	References	Value	Stock Code	Unit Cost	Extended	PCB Package
1	U1	STM32G474VET6TR	C431632	\$7.34	True	QFP50P1600X1600X160-100N
2	U2,U3	LP5907MFX-3	C80670	\$0.19	True	SOT95P280X145-5N
1	U4	W25Q128JVS1Q	C97521	\$0.59	True	SOIC127P790X216-8N
2	U5,U6	LMV358A	C63813	\$0.15	True	SOIC127P600X175-8
1	U8	ADS131M04IPWR	C2862562	\$2.70	True	SOP65P640X120-20N
Sub-totals:				\$11.28		

4 Diodes

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Unit Cost</u>	<u>Extended</u>	<u>PCB Package</u>
1	D1	SQV05C	C490620	\$0.19	True	SOT95P280X145-5N
1	D2	SS34	C8678	\$0.03	False	DO214
2	D3,D4	BAV99	C2500	\$0.01	False	SOT23
Sub-totals:				\$0.24		

17 Miscellaneous						
<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Unit Cost</u>	<u>Extended</u>	<u>PCB Package</u>
3	B1,B2,B3	GZ2012D601TF	C1015	\$0.01	False	BEADC2012X105N
2	BOOT,RESET	SKRKAEE020	C455280	\$0.05	True	SKRKAEE020
2	DEBUG,STLINK	CONN-SIL4	MISS			CONN-SIL4-HIGH ANGLE
2	IN,OUT	BNC	MISS			BNC
2	J1,J2	CONN-SIL4	MISS			CONN-SIL4
1	LCD1	ATK-4.3	MISS			4.3 TFT L35510 - NO DISPLAY
2	LED1,LED2	SML0805-AG3K-TR	C84256	\$0.01	False	0805
1	SW1	SK-3296S-01-L3	C319019	\$0.07	True	SK3296S01L3
1	USB	TYPE-C-31-M-12	C165948	\$0.21	True	TYPE-C-31-M-12
1	X1	3TJ481920NYLBC	C2898996	\$0.21	True	YSX321SL
Sub-totals:				\$0.64		

Totals: \$14.14

MIYOSHI TECNOLOGIA LTDA

Monday, November 13, 2023 1:59:08 AM