Reference Designators	Quantity	Manufacturer	DigiKey Part No	Manufacturer Part No	Final Quantity	Cost/unit	Price/Components	
U6,U7,U8		3 Rohm Semiconductor	BH1745NUC-E2CT-ND	BH1745NUC-E2	300	1.166	349.8	
Q4,Q5		2 ON Semiconductor	NTR4101PT1GOSCT-ND	NTR4101PT1G	200	0.1715	34.3	
U4		1 Microchip Technology	PIC24FJ32GA002-I/SO-ND	PIC24FJ32GA002-I/SO	100	2.1218	212.18	
U3		1 Toshiba Semiconductor and Storage	TCR2EF33LM(CTCT-ND	TCR2EF33.LM(CT	100	0.14	14	
U5		1 Texas Instruments	296-20968-1-ND	PCA9546APWR	100	1.4085	140.85	
R8,R10,R14, R6		4 Stackpole Electronics Inc	RNCP0603FTD10K0CT-ND	RNCP0603FTD10K0	400	0.0273	10.92	
R16,R17,R18,R19,R20, R21, R22, R23, R24, R27, R28,R4		12 Rohm Semiconductor	RHM1.00KADCT-ND	ESR03EZPF1001	1200	0.0462		
R25,R26		2 Yageo	311-47.0KHRCT-ND	RC0603FR-0747KL	200	0.0097		
C14, C15		2 KEMET	399-7918-1-ND	C0603C470K5GACTU	200	0.0379	7.58	
D3,D4		2 ON Semiconductor	MBR230LSFT1GOSCT-ND	MBR230LSFT1G	200	0.1797	35.94	
C9,C10,C16		3 Murata Electronics North America	490-12538-1-ND	GRM188R60J106KE47D	300	0.0599		
C7		1 TDK Corporation	445-175260-1-ND	CGA3E1X8L1C105K080AC	100	0.1746	17.46	
C6,C17, C11, C12, C13		5 Samsung Electro-Mechanics	1276-1000-1-ND	CL10B104KB8NNNC	500	0.00878		
C8		1 Murata Electronics North America	490-7611-1-ND	GRM188R60J226MEA0D	100	0.1001	10.01	
R2		1 Yageo	311-470HRCT-ND	RC0603FR-07470RL	100	0.0097	0.97	
R1		1 Panasonic Electronic Components	P2.0KDBCT-ND	ERA-3AEB202V	100	0.1173		
C3,C5		2 Samsung Electro-Mechanics	1276-1907-1-ND	CL10A475MQ8NNNC				
U1		1 Microchip Technology	MCP73831T-2ACI/OTCT-ND	MCP73831T-2ACI/OT	100	0.4326	43.26	
D1		1 Lite-On Inc.	160-1413-1-ND	LTST-C170KFKT	100			
R3			RHM27DCT-ND	ESR03EZPJ270				
P2		1 Harwin Inc.	952-2262-ND	M20-9990246				
Q1		1 Diodes Incorporated	ZVN3310FCT-ND	ZVN3310FTA				
D2		1 Wurth Electronics Inc	732-5012-ND	151033GS03000				
D5		1 Micro Commercial Co	MB12S-TPMSCT-ND	MB12S-TP	100	0.2007		
		51				Total Price	1079.91	
	U6,U7,U8 Q4,Q5 U4 U3 U5 R8,R10,R14, R6 R16,R17,R16,R19,R20, R21, R22, R23, R24, R27, R28,R4 R25,R26 C14, C15 D3,D4 C9,C19,C16 C7 C6,C17, C11, C12,C13 C8 R2 R1 C3,C5 U1 D1 R3 P2 Q1 D1 D1 R3	U6,U7,U8 Q4,06 U4 U3 U5 R8,R10,R14, R6 R16,R17,R18,R19,R20, R21, R22, R23, R24, R27, R28,R4 R25,R26 C14, C15 D3,D4 C9,C10,C16 C7 C6,C17, C11, C12, C13 C8 R2 R1 C3,C5 U1 D1 R3 P2 O1 D2 D5	U6,U7,U8	U6,U7,U8	U6,U7,U8	URL UTUB	UNITY UNIT	UNITY-UNITY UNITY-UNITY UNITY-