



Bill of Materials

TI DESIGNS

TIDA-00602

Item	Qty	Reference	Part Description	Manufacturer	Manufacturer Part Number	Supplier	Supplier Part Number
1	1	C1	CAP, CERM, 2.2 μ F, 10 V, +/- 20%, X5R, 0402	Würth Elektronik	885012105013	Mouser	710-885012105013
2	2	C2, C4	CAP, CERM, 0.1 μ F, 16 V, +/- 20%, X5R, 0402	Würth Elektronik	885012105016	Mouser	710-885012105016
3	1	C3	CAP, CERM, 10 μ F, 10 V, +/- 10%, X7R, 0805	Würth Elektronik	885012207026	Mouser	710-885012207026
4	2	C5, C6	CAP, CERM, 0.1 μ F, 16 V, +/- 10%, X7R, 0603_095	Würth Elektronik	885012206046	Mouser	710-885012206046
5	1	C7	CAP, CERM, 1 μ F, 16 V, +/- 20%, X5R, 0603_095	Würth Elektronik	885012106017	Mouser	710-885012106017
6	1	D1	Diode, Ultrafast, 100 V, 0.15 A, SOD-123	Diodes Inc.	1N4148W-7-F	Digi-Key	1N4148W-FDICT-ND
7	1	D2	LED, Green, SMD	Würth Elektronik	150060VS75000	Digi-Key	732-4980-1-ND
8	1	J1	SOCKET .050" GRID SIP 4 POS R/A, TH	Mill-Max	851-43-004-20-001000	Digi-Key	ED90474-ND
9	1	R1	RES, 127k ohm, 1%, 0.063W, 0402	Vishay-Dale	CRCW0402127KFKED	Digi-Key	541-127KLCT-ND
10	1	R2	RES, 47k ohm, 5%, 0.1W, 0603	Vishay-Dale	CRCW060347K0JNEA	Digi-Key	541-47KGCT-ND
11	1	R3	RES, 2.4k ohm, 5%, 0.063W, 0402	Vishay-Dale	CRCW04022K40JNED	Digi-Key	541-2.4KJCT-ND
12	1	R4	RES, 40.2k ohm, 1%, 0.063W, 0402	Vishay-Dale	CRCW040240K2FKED	Digi-Key	541-40.2KLCT-ND
13	1	R5	RES, 1.00k ohm, 1%, 0.063W, 0402	Vishay-Dale	CRCW04021K00FKED	Digi-Key	541-1.00KLCT-ND
14	1	R6	RES, 62, 5%, 0.1 W, 0603	Vishay-Dale	CRCW060362R0JNEA	Digi-Key	541-62GCT-ND
15	2	R7, R9	RES, 20k ohm, 5%, 0.1W, 0603	Vishay-Dale	CRCW060320K0JNEA	Digi-Key	541-20KGCT-ND
16	1	R8	RES, 0 ohm, 5%, 0.1W, 0603	Vishay-Dale	CRCW06030000Z0EA	Digi-Key	541-0.0GCT-ND
17	1	S1	Switch, Push Button, SMD	Alps	SKRKAE010	Mouser	688-SKRKAE
18	1	U1	Low-Voltage H-Bridge IC With LDO Regulator, RGY0024B	Texas Instruments	DRV8850RGY	Digi-Key	296-37195-1-ND
19	1	U2	MIXED SIGNAL MICROCONTROLLER, D0008A	Texas Instruments	MSP430G2210IDR	Digi-Key	296-39083-1-ND
20	1	U3	IC, Single Positive-Edge-Triggered D-Type Flip-Flop	TI	SN74LVC1G80DCK	Digi-Key	296-9852-1-ND
21	1	U4	IC, Single Schmitt-Trigger Inverter	TI	SN74LVC1G14DCK	Digi-Key	296-11608-1-ND