

# Bill of Materials

TI DESIGNS  
TIDA-00524

Manufacturer	Part Number	Description	Designator	Footprint	LibRef	Quantity
MPD	BATT_BLP2032SM-GTR	Battery, Coin CR2032, BR2032	B1	BAT_BLP2032SM-GTR	BATT_BLP2032SM-GTR	1
Murata	GRM188R71E474KA12D	CAP, CERM, 0.47uF, 25V, +/-	C1	0603	GRM188R71E474KA12D	1
Murata	GRM155R71C104KA88D	CAP, CERM, 0.1uF, 16V, +/-	C2, C5, C6	0402	GRM155R71C104KA88D	5
Johanson Technology	500R07S220GV4T	CAP CER 22PF 50V 2% NP0	C17, C18	0402	500R07S220GV4T	2
Murata	GRM188R71C105KA12D	CAP, CERM, 1uF, 16V, +/-	C3, C4, C7	0603	GRM188R71C105KA12D	3
TDK	C3216X5R1A107M160AC	CAP, CERM, 100uF, 10V, +/-	C8	1206_190	C3216X5R1A107M160AC	1
Murata	GRM1555C1H200JA01D	CAP, CERM, 20pF, 50V, +/-	C10, C11(DNP)	0402	GRM1555C1H200JA01D	1
Murata	GRM155R71C103KA01D	CAP, CERM, 0.01uF, 16V, +/-	C12, C15, C16	0402	GRM155R71C103KA01D	3
Murata	GRM155R71C102KA01D	CAP, CERM, 1000pF, 16V, +/-	C13	0402	GRM155R71C102KA01D	1
Comchip Technology	CDBU0130L	Diode, Schottky, 35V, 0.1A, S	D1, D2	SOD-523F	CDBU0130L	2
Rohm Semiconductor	SML-311D TT86	LED, Green, SMD	D3	SML-31_Green	SML-310PTT86	1
Rohm Semiconductor	SML-311U TT86	LED, Red, SMD	D4	SML-31_Red	SML-311UTT86	1
Mill-Max	851-43-006-10-001000	Receptacle, 6x1, 50mil, TH	J3	Mill-Max_851-XX-006-10-001000	851-43-006-10-001000	1
Vishay	CRCW04020000Z0ED	RES, 0 ohm, 5%, 0.063W, 04	R1, R4	0402	CRCW04020000Z0ED	2
Vishay	CRCW04024K75FKED	RES, 4.75k ohm, 1%, 0.063W	R2, R3, R10, R11, R12	0402	CRCW04024K75FKED	2
Vishay	CRCW04021K00FKED	RES, 1.00k ohm, 1%, 0.063W	R5, R6	0402	CRCW04021K00FKED	2
Vishay	CRCW040247K5FKED	RES, 47.5k ohm, 1%, 0.063W	R8	0402	CRCW040247K5FKED	1
Texas Instruments	MSP430FR5969IRGZ	Mixed Signal Microcontroller,	U1	RGZ0048B	MSP430FR5969IRGZ	1
Texas Instruments	RF430CL331HCPW	DYNAMIC NFC INTERFACE	U2	PW0014A_N	RF430CL330HCPW	1
Texas Instruments	TMP112AIDRL	High-Accuracy, Low-Power, D	U3	DRL0006A	TMP112AIDRL	1
Texas Instruments	TPD1E10B06DPYR	ESD in 0402 Package with 10	U4, U5, U6, U7	DPY0002A_N	TPD1E10B06DPYR	4
Texas Instruments	HDC1000YPA	HDC1000 Low power integrat	U8	YPA0008AEAC	HDC1000YPA	1
Texas Instruments	OPT3001DNP	Ambient Light Sensor, DNP00	U9	DNP0006A	OPT3001DNP	1
Abrakon	ABS07-32.768KHZ-9-T	CRYSTAL, 32.768KHZ, 9PF,	Y1	XTAL_ABS07	ABS07-32.768KHZ-9-T	1
Sullins	GRPB021VWVN-RC	Header male, 2x1, 50mil, TH	J1	Sullins_GRPB021VWVN-RC (DNP)	GRPB021VWVN-RC (DNP)	0

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