TIER's VBTS Wakeup Radio V 1.0

Schematic Reference number	Part name	Pcs/unit Description	Manufacturer	Part number	Supplier	Ordering code	Ref Lir
C1	CC1150	1 Single Chip Transmitter	TI	CC1150	MOUSER	839-CC1150	OK
C2	CC1190	1 PA 26dbm	Ťi	CC1190	Digikey	296-25826-1-ND	OK
C3	B3588	1 SAW filter, 915 MHz	EPCOS Inc	B3588	Digikey	495-1674-1-ND	OK
C4	MSP430F2274	1 MSP430 Microcontrolller	TI	MSP430F2274	Digikey	296-21459-1-ND	OK
014	C 0P8 0402 NP0 B 50	1 Capacitor, 0.8p, 0402, NP0, +/-0.1pF, 50V	Murata	GRM1555C1HR80BZ01D	MOUSER	81-GRM1555C1HR80BZ1D	OK
27; C28; C23; C22; C21; C24	C 100N 0402 X5R K 10	6 Capacitor, 100n, 0402, X5R, 10%, 10V	Murata	GRM155R71A104KA01D	MOUSER	81-GRM155R71A104KA1D	OK
217, 020, 023, 022, 021, 024	C 100P 0402 NP0 J 50	1 Capacitor, 100p, 0402, NP0, 5% 50V	Murata	GRM1555C1H101JZ01D	Digikey	490-3458-1-ND	OK
:19	C 10U 0603 X5R M 4	1 Capacitor, 100p, 0402, NFO, 37/30V 1 Capacitor, 10u, 0603, X5R, 20%, 4V	Murata	GRM188R60G106ME47D	Digikey	490-3298-1-ND	OK
4;C8; C26	C 12P 0402 NP0 J 50	3 Capacitor, 12p, 0402, NP0, 5%, 50V	Murata	GRM1555C1H120JZ01D	Digikey	490-1279-1-ND	OK
25; C13	C_12P_0402_NP0_J_50 C_15P_0402_NP0_J_50		Murata	GRM1555C1H150JZ01D	Digikey	490-1279-1-ND 490-1280-1-ND	OK
		2 Capacitor, 15p, 0402, NP0, 5%, 50V					
10	C_1N_0402_NP0_J_50	1 Capacitor, 1n, 0402, NP0, 5%, 50V	Murata	GRM1555C1H102JA01D	DigiKey	490-3244-1-ND	OK
18	C_1P0_0402_NP0_C_50	1 Capacitor, 1p, 0402, NP0, +/-0.25pF 50V	Murata	GRM1555C1H1R0CZ01D	DigiKey	490-3199-1-ND	OK
16; C29	C_1P5_0402_NP0_C_50	2 Capacitor, 1p5, 0402, NP0, +-0.25pF, 50V	Murata	GRM1555C1H1R5CZ01D	Digikey	490-1266-1-ND	OK
31, C11	C_1U_0402_X5R_K_6P3	2 Capacitor, 1u, 0402, X5R, 10%, 6.3V	Murata	GRM155R60J105KE19D	DigiKey	490-1320-1-ND	OK
20	C_220P_0402_NP0_J_50	1 Capacitor, 220p, 0402, NP0, 5%, 50V	Murata	GRM1555C1H221JA01D	Digikey	490-1293-1-ND	OK
:12	C_27P_0402_NP0_J_50	 Capacitor, 27p, 0402, NP0, 5%, 50V 	Murata	GRM1555C1H270JZ01D	Digikey	490-1284-1-ND	OK
5	C_3P3_0402_NP0_C_50	1 Capacitor, 3p3, 0402, NP0, +-0.25pF, 50V	Murata	GRM1555C1H3R3CZ01D	Digikey	490-1270-1-ND	OK
3;C9;C15	C_47P_0402_NP0_J_50	3 Capacitor, 47p, 0402, NP0, 5%, 50V	Murata	GRM1555C1H470JZ01D	Digikey	490-1287-1-ND	OK
6	C_7P5_0402_NP0_C_50	1 Capacitor, 7p5, 0402, NP0, +/-0.25pF 50V	Murata	GRM1556T1H7R5CD01D	MOUSER	81-GRM1556T1H7R5CD01D	OK
6	L_10N_0402_G_LQW	1 Inductor, 10n, 0402, ±2%, wire-wound type	Murata	LQW15AN10NG00D	Mouser	81-LQW15AN10NG00D	OK
11	L 11N 0402 J LQW	1 Inductor, 11n, 0402, ±5%, wire-wound type	Murata	LQW15AN11NJ00	MOUSER	81-LQW15AN11NH00D	OK
7: L8	L 12N 0402 J LQW	2 Inductor, 12n, 0402, ±5%, wire-wound type	Murata	LQW15AN12NJ00D	Digikey	490-1147-1-ND	OK
2; L9	L_18N_0402_J_LQW	2 Inductor, 18n, 0402, ±5%, wire-wound type	Murata	LQW15AN18NJ00D	Digikey	490-1149-1-ND	OK
12	L 1N5 0402 S	1 Inductor, 1n5, 0402, Monolithic type, +/-0.3 nH	Murata	LQG15HS1N5S02D	Digikey	490-2612-1-ND	OK
5	L 22N 0603 J LQW	1 Inductor, 22n, 0603, ±5%, wire-wound type	Murata	LQW18AN22NJ10	MOUSER	81-LQW18AN22NJ10	OK
3	L 2N9 0402 B LQW	1 Inductor, 2n9, 0402, wire-wound type, ±0.1nH	Murata	LQW15AN2N9B00D	MOUSER	81-LQW15AN2N9B00D	OK
1	L 7N5 0402 G LQW	1 Inductor, 7n5, 0402, ±2%, wire-wound type	Murata	LQW15AN7N5G00	MOUSER	01 2011 10/11/21/02/02	OK
4	L 9N1 0402 G LQW	1 Inductor, 9n1, 0402, ±2%, wire-wound type	Murata	LQW15AN9N1G00D	MOUSER	81-LQW15AN9N1G00D	OK
1 10	L BEAD 102 0402	1 EMI filter bead, 0402 1k ohms Tape GHz Band Gen Use	Murata	BLM15HG102SN1D	Digikey	490-3999-1-ND	OK
18. R17.R7	R 10K 0402 F	3 Resistor, 10k ohms, 0402, ±1%	Koa	RK73H1ETTP1002F	MOUSER	660-RK73H1ETTP1002F	OK
3							OK
	R_10_0402_G	1 Resistor, 10 ohms, 0402, 2%	Koa	RK73H1ETTP10R0F (±1%)	MOUSER	660-RK73H1ETTP10R0F	
2	R_3K3_0402_F	1 Resistor, 3k3 ohms, 0402, ±1%	Koa	RK73H1ETTP3301F	MOUSER	660-RK73H1ETTP3301F	OK
4	R_47_0402_G	1 Resistor, 47 ohms, 0402, 2%	Koa	RK73H1ETTP47R0F (±1%)	MOUSER	660-RK73H1ETTP47R0F	OK
6	R_56K_0402_F	1 Resistor, 56k ohms, 0402, ±1%	Koa	RK73H1ETTP5602F	MOUSER	660-RK73H1ETTP5602F	OK
5	Shield BMIS-202	 Surface Mount Shield Two-Piece. Cover ordered separately 	Laird	BMI-S-202-F	Digikey	903-1051-1-ND	OK
5 COVER	Shield BMIS-202 cover		Laird	BMI-S-202-C	Digikey	903-1014-ND	OK
1	X_26.000/20/40/40/10	1 Crystal, 26.000000MHz, 10.0pF, 50 ohms max, 20/40 ppm, -40C to +8	NDK	NX3225GA, EXS00A-CG019	i Digikey	644-1160-1-ND	OK
2	CONSMA002-SMD-ND	SMA connector, right angle	Linx Technologies	CONSMA002-SMD-ND	Digikey	CONSMA002-SMD-ND	OK
1	TRR03EZPJ000	1 0 Ohms	Rohm	TRR03EZPJ000	Digikey	RHM0.0BKCT-ND	OK
5	MCR03-0603	1 RES 47K OHM 1/10W 5% 0603 SMD	Rohm	MCR03-0603	Digikey	RHM47KCGCT-ND	OK
1, C2	GRM188R71H104KA93D	2 Capacitor 100nF	Murata	GRM188R71H104KA93D	Digikey	490-1519-1-ND	OK
1	JS102000SAQN	1 Slide switch SMD	C & K Components	401-2005-1-ND	Digikey	401-2005-1-ND	OK
30	EMK212B7105KG-T	1 Capacitor 1uF	Taivo Yuden	EMK212B7105KG-T	Digikey	587-1283-1-ND	OK
1	FDN360	1 Voltage Switches	Fair Child Semiconductor	FDN306PCT-ND	Digikey	FDN306PCT-ND	OK
attery Holder	BU2032	1 Coin battery holder	MPD	BU2032SM-JJ-GCT-ND	Digikey	BU2032SM-JJ-GCT-ND	OK
oin Battery	P189-ND	1 220MAh coin battery	Panasonic	P189	Digikey	P189-ND	OK
W1	CKN10226CT-ND	1 Button Switch	C & K Components	CKN10226CT-ND	Digikey	CKN10226CT-ND	OK
4	ADE08S04	1 DIP Switch 8	TE Connectivity	1-1825058-9-ND	Digikey	1-1825058-9-ND	OK
T1	ED87100-ND	1 Connection header 1.27	MIL MAX	ED87100-ND	DigiKey	ED87100-ND	OK
1	LTC4412	1 Power Patch Controller	Linear Technology	LTC4412	Digikey	LTC4412IS6#TRMPBFCT-ND	OK