

Parts List

Equipment Tested (Company, Model)

DCSI, Y72140-1

FCC ID:

PN3Y72140-1

Item	Reference	Qty	Part Number	DCSI P.N.	Manufacture	Description
1	U1	1	PIC16LF870-I/SO		Microchip	IC, 8 Bit Microcontroller, 28 pin, SMT
2	U2	1	REG711EA-5		TI (Bur-Brown)	IC, Charge Pump, SMT
3	U3	0	TC54VC2602ECBXXX	220-028	TELCOM SEMICONDUCTOR	IC, Reset Circuit, 2.6V
4	Y1	1	CSTC4.00MGA-TC	235-054	MURATA-ERIE	IC, 4MHz Ceramic Resonator
5	Y2	1	TF-30 Series, T3279B		Tekmark	IC, 32.768KHz Tuning Fork Crystal
6	D2-D7	0	BAV99L	231-045	MOTOROLA	Diode, Dual
7	FB1-FB4	0	2743007111	755-006	FAIR-RITE PRODUCTS	Ferrite Bead Axial
8	D1	0		197-156	Lumex	LED, Red, 0805
9	R8, R11 - R14	3	9C08052A1002JL	008-505	PHILIPS	Resistor, 10K, 1/10W, 5%, 0805
10	R20	0	9C08052A1001JL	008-504	PHILIPS	Resistor, 1K, 1/10W, 5%, 0805
11	R28, R5, R2, R7	1	9C08052A4701JL	008-521	PHILIPS	Resistor, 4.7K, 1/10W, 5%, 0805
12	R1, R4	0	9C08052A27J0JL	008-520	PHILIPS	Resistor, 27, 1/10W, 5%, 0805
13	R3, R6	0	9C08052A1962FK	008-620	PHILIPS	Resistor, 19.6K, 1/10W, 5%, 0805
14	J2	1	103186-5	252-705	Amp	Header, 5x2
15	P1, P2	0	931-FST/03-G05	257-036	Weco	Header, 3 Position
16	C7	1	08053A473KAT050M		AVX	Cap, 0.047uF, 25V, 10%, 0805
17	C6	1	0805YC224KAT2A	058-237	AVX	Cap, 0.22uF, 16V, 10%, 0805
18	C1	1	LLA6.3VB153M18X35LL		United Chemi-Com	Cap, 15000uF, 6.5V
19	C2-C5	0	08055A102JAT_A	058-244	AVX	Cap, 1000pF, 50V, 5%, 0805
20	C8, C11	2	0805YC103KAT2A	058-223	AVX	Cap, 0.01uF, 16V, 10%, 0805
21	BT1	1	TL-5920		Tadiran	Battery, Lithium, Inorganic, 3.6V, Size C
22	U4	1	TX6000		RFM	IC, Transmitter, 900MHz
23	C9, C10	2	08055A150KAT_A		AVX	Cap, 15pF, 50V, 5%, 0805
24	R10	0	9C08052A5100JL	008-503	PHILIPS	Resistor, 510 Ohm, 1/10W, 5%, 0805
25	L2	1	0805 HT-10N		CoilCraft	Inductor, 10nH, 0805
			LWN21A10NJ04		MURATA-ERIE	
			0805LC-010N0J		SMD	
26	L1	1	0805CS-101XKBC		CoilCraft	Inductor, 100nH, 0805
			0805HS-101TKBC		CoilCraft	
			0805CS-101EKPS		Delta	
27	Q1	1	MMBT2222		Diodes Inc	Transistor, NPN, SOT-23
28	R24	1				Resistor, 47K, 1/10W, 5%, 0603

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29	R16	1				Resistor, 8.06K, 1/10W, 5%, 0603
30	R17	1				Resistor, 470K, 1/10W, 5%, 0603
31	R18, R19	2				Resistor, 330K, 1/10W, 5%, 0603
32	R21	1				Resistor, 100K, 1/10W, 5%, 0603
33	R22	1				Resistor, 3.3K, 1/10W, 5%, 0603
34	R23	1				Resistor, 270K, 1/10W, 5%, 0603
35	R15	0				Resistor, 0, 1/10W, 1%, 0603
36	C12	1				Cap, 27pF, 0603
37	C13	1				Cap, 0.12uF, 0603
38	C14	1				Cap, 100pF, 0603
39	C15	1				Cap, 10uF, 6V, Tant, Case Size A
40	FB5	1	LI0603G221R-00		Steward	FB, 0603
41	Antenna, E1	1				#14 AWG wire
42	PCB	1				Printed Circuit Board, ESTIMATED COST!
43	Enclosure	1				Enclosure for the transmitter, Plus Hardware
44	P1, P2	2	930-FL/03-CN-G05	257-037	Weco	Connector, 3 Position, Plugs into a 3 pin Header
45	R9	1	9C08052A12R1FK	008-627	Philips	Resistor, 12.1, 1/10W, 1%, 0805