

Part Used PartType Designators

1	0.01uF	C4
2	0.1uF	C11 C14 C15
3	0.1uF	C17
4	0.01uF	C21
5	0.1uF	C22 C23
6	0.01uF	R17
7	1.8K	R13 R23 R25
8	1K	R11
9	1M	D1 D3 D5 D9 D10
10	1N4148	D6
11	1N4936	Q1
12	2N2369A	Q2 Q4
13	2N3904	Q3 Q5
14	2N3906	Q6 Q7
15	2N7002	R15
16	4.7K	Y1
17	8.0 MHz	R2 R19
18	10K	C2 C10 C12 C20
19	10uF, 16V	C3
20	10uF, 25V	R6 R16
21	22K	R28 R29
22	33	R12
23	33K	C18
24	56pF	R8 R14 R30 R31
25	100K	R5 R10
26	150K	R3
27	180K	R26
28	220K	R9
29	330	R7 R24
30	470K	C8
31	470pF	R21 R22
32	560	R27
33	680	R4 R18 R20
34	820	C1
35	820pF	C6 C13
36	1000pF	C7
37	1000pF, 500V, 5%	C16
38	2200pF	C5 C9
39	2200pF, 500V, 5%	JP1 JP2
40	HEADER 2	JP3
41	HEADER 5	JP4
42	HEADER 10	LED2
43	LED-BI	U1
44	LP2951	U2
45	MC33074D	U4
46	PIC16F84-10	BZ1
47	PKM17EEP	

48	SAT	1	C19
49	SMB5.0A	5	D11 D12 D13 D14 D15
50	SMBJ12C	2	D7 D8
51	SMBJ15	1	D4
52	SN74HC4024	1	U3
53	TP	1	TP1

led Wireless Confidential

BOM FOR SP-6829 READER

RC1206GR07-223 5%, 1/4W, 200PPM	YAGEO	1206A
RC1206GR07-223 5%, 1/4W, 200PPM	YAGEO	1206A
RC1206GR07-223 5%, 1/4W, 200PPM	YAGEO	1206A
RC1206GR07-223 5%, 1/4W, 200PPM	YAGEO	1206A
RC1206GR07-223 5%, 1/4W, 200PPM	YAGEO	1206A
RC1206GR07-223 5%, 1/4W, 200PPM	YAGEO	1206A
RC1206GR07-223 5%, 1/4W, 200PPM	YAGEO	1206A
RC1206GR07-223 5%, 1/4W, 200PPM	YAGEO	1206A
RC1206GR07-223 5%, 1/4W, 200PPM	YAGEO	1206A
RC1206GR07-223 5%, 1/4W, 200PPM	YAGEO	1206A

BOM FOR SP-6820 READER

DESIGNATOR	GENERIC NUMBER	GEN DESCRIPTION	PART NUMBER	SPECIFICATION	VENDOR	FOOTPRINT
C4	0.01uF	CAP, CHIP	C0805X103K05T	.01uF, 10%, 50V	DURAN	0805A
C11	0.1uF	CAP, CHIP	C0805X104K05T	0.1uF, 10%, 50V	DURAN	0805A
C14	0.1uF	CAP, CHIP	C0805X104K05T	0.1uF, 10%, 50V	DURAN	0805A
C15	0.1uF	CAP, CHIP	C0805X104K05T	0.1uF, 10%, 50V	DURAN	0805A
C17	0.1uF	CAP, CHIP	C0805X104K05T	0.1uF, 10%, 50V	DURAN	0805A
C21	0.01uF	CAP, CHIP	C0805X103K05T	.01uF, 10%, 50V	DURAN	0805A
C22	0.1uF	CAP, CHIP	C0805X103K05T	.01uF, 10%, 50V	DURAN	0805A
C23	0.01uF	CAP, CHIP	C0805X103K05T	.01uF, 10%, 50V	DURAN	0805A
R17	0.01uF	RES, CHIP	RC1206GR07-182 5%, 1/4W, 200PPM	5%, 1/4W, 200PPM	DURAN	0805A
R13	1.8K	CAP, CHIP	RC1206GR07-102 5%, 1/4W, 200PPM	5%, 1/4W, 200PPM	DURAN	0805A
R23	1K	RES, CHIP	RC1206GR07-102 5%, 1/4W, 200PPM	5%, 1/4W, 200PPM	DURAN	0805A
R25	1K	RES, CHIP	RC1206GR07-102 5%, 1/4W, 200PPM	5%, 1/4W, 200PPM	DURAN	0805A
R11	1M	RES, CHIP	RC1206GR07-102 5%, 1/4W, 200PPM	5%, 1/4W, 200PPM	DURAN	0805A
D1	1N4148	DIODE, GP	LL4148	GP	YAGEO	1206A
D3	1N4148	DIODE, GP	LL4148	GP	YAGEO	1206A
D5	1N4148	DIODE, GP	LL4148	GP	YAGEO	1206A
D9	1N4148	DIODE, GP	LL4148	GP	YAGEO	1206A
D10	1N4148	DIODE, GP	LL4148	GP	YAGEO	1206A
D6	1N4148	DIODE, GP	LL4148	GP	YAGEO	1206A
Q1	2N2369A	DIODE, GP	LL4148	GP	YAGEO	1206A
Q2	2N2369A	DIODE, GP	LL4148	GP	YAGEO	1206A
Q4	2N3904	XTR, NPN	MMBT2369	1 AMP, 400V	YAGEO	1206A
Q3	2N3904	XTR, NPN	MMBT2369	1 AMP, 400V	YAGEO	1206A
Q5	2N3906	XTR, PNP	MMBT3906	GP	YAGEO	1206A
Q6	2N3906	XTR, PNP	MMBT3906	GP	YAGEO	1206A
Q7	2N7002	XTR, PNP	MMBT3906	GP	YAGEO	1206A
R15	2N7002	XTR, FET	MMBT3906	GP	YAGEO	1206A
Y1	4.7K	XTR, FET	MMBT3906	GP	YAGEO	1206A
R2	8.0 MHz	RES, CHIP	RC1206GR07-472 5%, 1/4W, 200PPM	5%, 1/4W, 200PPM	YAGEO	1206A
R19	10K	RES, CHIP	RC1206GR07-472 5%, 1/4W, 200PPM	5%, 1/4W, 200PPM	YAGEO	1206A
C2	10K	RES, CHIP	RC1206GR07-472 5%, 1/4W, 200PPM	5%, 1/4W, 200PPM	YAGEO	1206A
C10	10uF, 16V	RES, CHIP	RC1206GR07-103 5%, 1/4W, 200PPM	5%, 1/4W, 200PPM	YAGEO	1206A
C12	10uF, 16V	CAP, TANT	TAJ106K016R	10uF, 16V, 10%, 6032	YAGEO	1206A
C20	10uF, 16V	CAP, TANT	TAJ106K016R	10uF, 16V, 10%, 6032	YAGEO	1206A
C3	10uF, 25V	CAP, TANT	TAJ106K016R	10uF, 16V, 10%, 6032	YAGEO	1206A