

<div>Part List: Emitter</div> <div>Product Type: FD-100B</div>				
Item	Part type	Value	Designator	Quantity
1	IC	SP31101F	IC1	1
2	Resistor	47 $\Omega$ 1/8W	R1 R5 R17 R20 R21	5
3	Resistor	560 $\Omega$ 1/8W	R7	1
4	Resistor	1K $\Omega$ 1/8W	R3 R12 R18	3
5	Resistor	3.3K $\Omega$ 1/8W	R15	1
6	Resistor	4.7K $\Omega$ 1/8W	R25	1
7	Resistor	5.6K $\Omega$ 1/8W	R23	1
8	Resistor	6.8K $\Omega$ 1/8W	R26	1
9	Resistor	8.2K $\Omega$ 1/8W	R11	1
10	Resistor	10K $\Omega$ 1/8W	R2 R6 R13 R14	4
11	Resistor	22K $\Omega$ 1/8W	R9	1
12	Resistor	33K $\Omega$ 1/8W	R8	1
13	Resistor	47K $\Omega$ 1/8W	R22	1
14	Resistor	56K $\Omega$ 1/8W	R4 R16	2
15	Resistor	68K $\Omega$ 1/8W	R24	1
16	Resistor	100K $\Omega$ 1/8W	R19	1
17	Thermistor	NTC 10K $\Omega$	R10	1
18	Capacitor	1pF/25V	C35	1
19	Capacitor	3pF/25V	C37 C40	2
20	Capacitor	15pF/25V	C24 C34 C38	3
21	Capacitor	20pF/25V	C22 C36	2
22	Capacitor	30pF/25V	C20	1
23	Capacitor	33pF/25V	C19 C28	2
24	Capacitor	39pF/25V	C21	1
25	Capacitor	47pF/25V	C4 C6	2
26	Capacitor	68pF/25V	C27 C31	2
27	Capacitor	100pF/25V	C15	1
28	Capacitor	222pF/25V	C13	1
29	Capacitor	470pF/25V	C33	1
30	Capacitor	1000pF/25V	C26	1
31	Capacitor	0.01 $\mu$ F/25V	C5 C17 C18 C23 C25 C29 C30 C32	8
32	Capacitor	1 $\mu$ F/25V	C9 C10	2
33	Capacitor	4.7 $\mu$ F/25V	C1 C2 C3 C7 C8 C11 C12 C14 C16	9
34	Capacitor	10 $\mu$ F/16V	C39	1
35	Diode	5.1V/0.5W	D1	1
36	Diode	D2638	D2	1
37	Diode	LED	D3	1
38	Transistor	S9018	Q2 Q4	2
39	Transistor	2SC3356	Q3	1
40	Transistor	T33	Q1	1
41	Crystal	178.5MHz	TX	1
42	Inductor	3.3 $\mu$ H	L1 L2	2
43	Inductor	3.5T	L4 L6	2
44	Inductor	5.5T	L5	1
45	Inductor	6.5T	L3	1
46	Transducer	T30	T3	1
47	Transducer	T36	T2	1
48	Transducer	T43	T1	1
49	Switch	SW2*3	SW1	1
50	Battery	9V*1	BT1	1
51	Microphone	---	MIC1	1