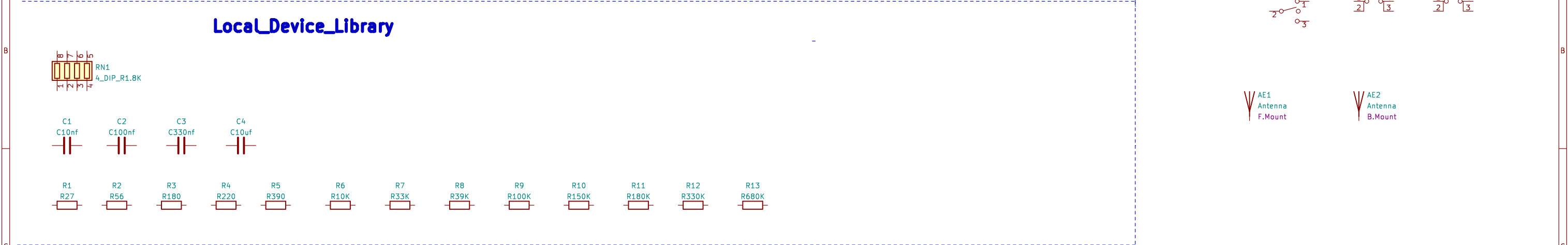


The diagram shows a schematic layout for a PCB. On the left, a dashed blue box labeled "Local\_Device\_Library" contains several components:

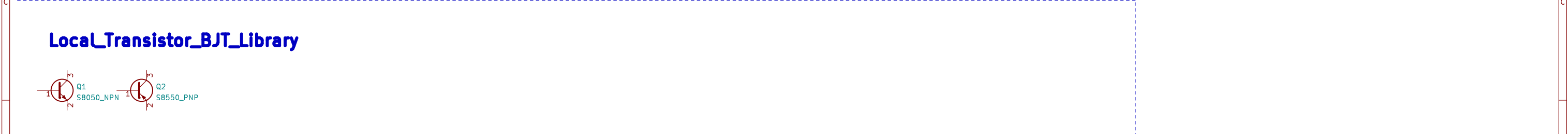
- RN1**: A 4-DIP package with pins 1, 2, 3, and 4. The value is **4\_DIP\_R1.8K**.
- C1, C2, C3, C4**: Capacitors with values **C10nf**, **C100nf**, **C330nf**, and **C10uf** respectively.
- R1 through R13**: Resistors with values **R27**, **R56**, **R180**, **R220**, **R390**, **R10K**, **R33K**, **R39K**, **R100K**, **R150K**, **R180K**, **R330K**, and **R680K** respectively.

On the right, there are two antenna symbols labeled **AE1** and **AE2**, both with the value **Antenna**. Below them are two labels: **F.Mount** and **B.Mount**.



**Local\_Transistor\_BJT\_Library**

The diagram illustrates a simple BJT circuit within a library box. It contains two transistors: Q1, an NPN transistor (S8050\_NPN), and Q2, a PNP transistor (S8550\_PNP). Q1's emitter is grounded, and its base is the input. Q2's emitter is also grounded, and its base is connected to the collector of Q1. The collector of Q2 is connected to the positive supply voltage.



The diagram shows a 'Local\_Diode\_Library' containing five diode components:

- D1**: 1N4148WS (General Purpose Diode)
- D2**: 1N4004 (Rectifier Diode)
- D3**: D\_Z2V4 (Zener Diode)
- D4**: LED\_G3 (Green LED)
- D5**: LED\_0805\_R (Red LED)



**Local\_MCU\_Module\_Library**

Pin	Label	Pin	Label
31	VCC	30	VIN
30	VIN	27	GND_5
27	+5V	26	SCK
26	RTS	25	MISO
25	RESET	24	MOSI
24	D0/RXD	23	ETHCS
23	D1/TXD	22	D9/CS
22	D2/INT0	21	A3
21	D3/INT1	20	A2
20	D4/SD	19	A1
19	D5	18	A0
18	D6	17	AREF
17	D7	16	D3/INT1
16	D8	15	D2/INT0
15	D9/CS	14	D1/TXD
14	ETHCS	13	D0/RXD
13	MOSI	12	TXD
12	MISO	11	RXD
11	SCK	10	VCC
10	N/C	9	VIN
9	GND_BLK	8	+5V
8	GND_5	7	RTS
7	GND_5	6	RESET
6	GND_5	5	D0/RXD
5	GND_5	4	D1/TXD
4	GND_5	3	D2/INT0
3	GND_5	2	D3/INT1
2	GND_5	1	D4/SD
1	GND_5	0	D5

**Arduino\_Nano\_v3**

Pin	Label	Pins	Labels
16	D13	30	VIN
15	D12	27	+5V
14	D11	17	RESET
13	D10	16	RESET
12	D9	18	AREF
11	D8	19	A0
10	D7	20	A1
9	D6	21	A2
8	D5	22	A3
7	D4	23	A4
6	D3	24	A5
5	D2	25	A6
4	D1/TX	26	A7
3	D0/RX	28	D0/RX
2	RESET	29	D1/TX
1	RESET	31	D2/INT0
0	RESET	32	D3/INT1
-1	RESET	33	D4/SD
-2	RESET	34	D5
-3	RESET	35	D6
-4	RESET	36	D7
-5	RESET	37	D8
-6	RESET	38	D9
-7	RESET	39	D10
-8	RESET	40	D11
-9	RESET	41	D12
-10	RESET	42	D13
-11	RESET	43	D14
-12	RESET	44	D15
-13	RESET	45	D16
-14	RESET	46	D17
-15	RESET	47	D18
-16	RESET	48	D19
-17	RESET	49	D20
-18	RESET	50	D21
-19	RESET	51	D22
-20	RESET	52	D23
-21	RESET	53	D24
-22	RESET	54	D25
-23	RESET	55	D26
-24	RESET	56	D27
-25	RESET	57	D28
-26	RESET	58	D29
-27	RESET	59	D30
-28	RESET	60	D31
-29	RESET	61	D32
-30	RESET	62	D33
-31	RESET	63	D34
-32	RESET	64	D35
-33	RESET	65	D36
-34	RESET	66	D37
-35	RESET	67	D38
-36	RESET	68	D39
-37	RESET	69	D40
-38	RESET	70	D41
-39	RESET	71	D42
-40	RESET	72	D43
-41	RESET	73	D44
-42	RESET	74	D45
-43	RESET	75	D46
-44	RESET	76	D47
-45	RESET	77	D48
-46	RESET	78	D49
-47	RESET	79	D50
-48	RESET	80	D51
-49	RESET	81	D52
-50	RESET	82	D53
-51	RESET	83	D54
-52	RESET	84	D55
-53	RESET	85	D56
-54	RESET	86	D57
-55	RESET	87	D58
-56	RESET	88	D59
-57	RESET	89	D60
-58	RESET	90	D61
-59	RESET	91	D62
-60	RESET	92	D63
-61	RESET	93	D64
-62	RESET	94	D65
-63	RESET	95	D66
-64	RESET	96	D67
-65	RESET	97	D68
-66	RESET	98	D69
-67	RESET	99	D70
-68	RESET	100	D71
-69	RESET	101	D72
-70	RESET	102	D73
-71	RESET	103	D74
-72	RESET	104	D75
-73	RESET	105	D76
-74	RESET	106	D77
-75			

