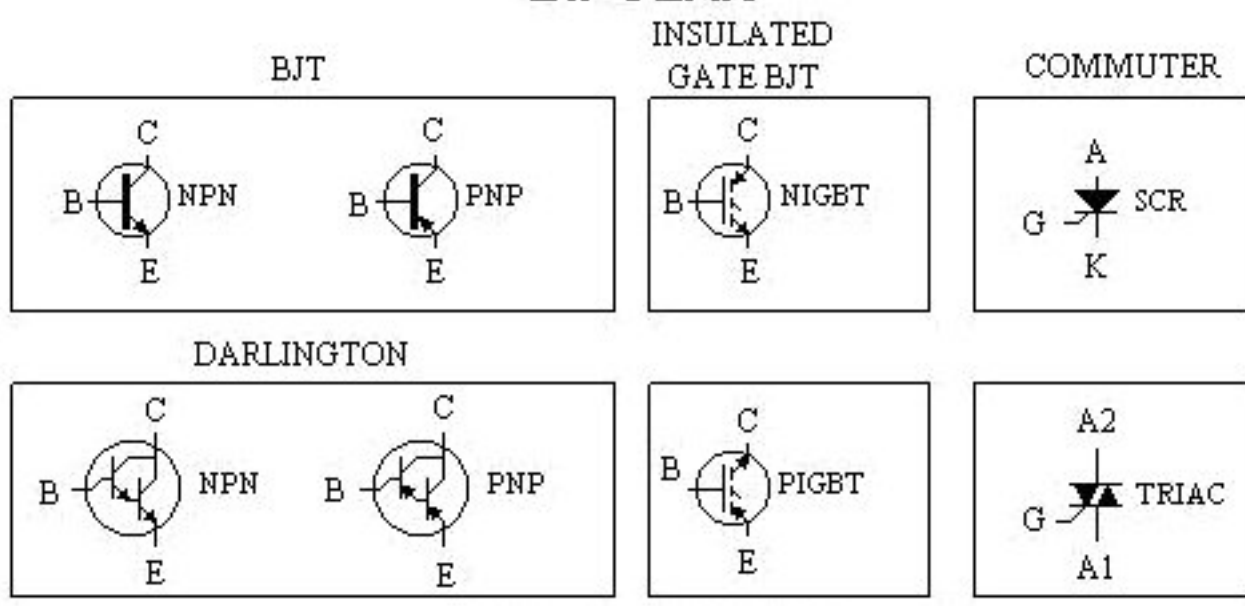
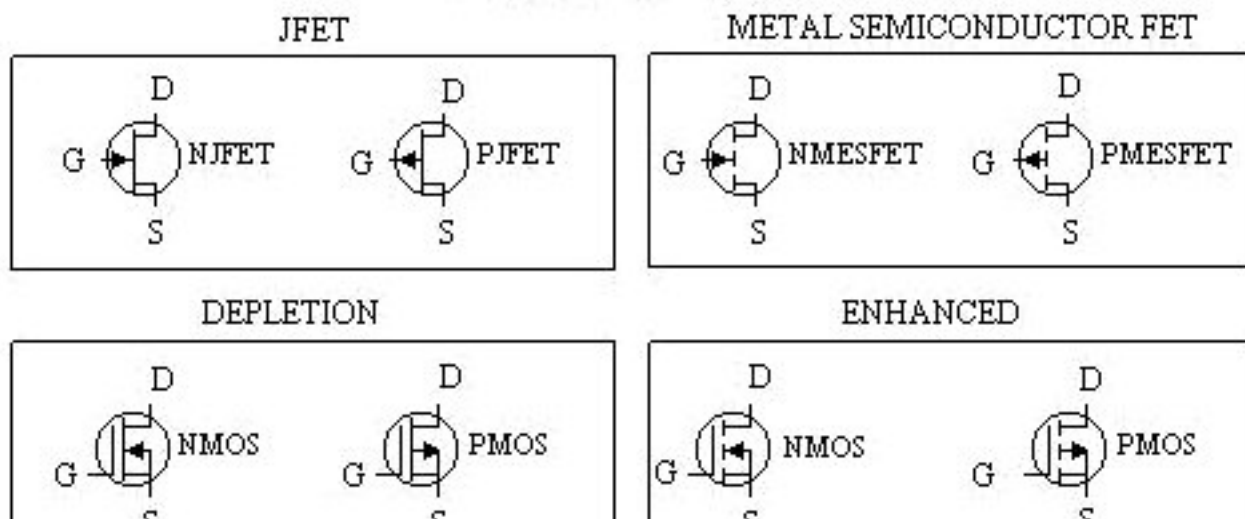


TRANSISTORS

BIPOLAR



FIELD EFFECT

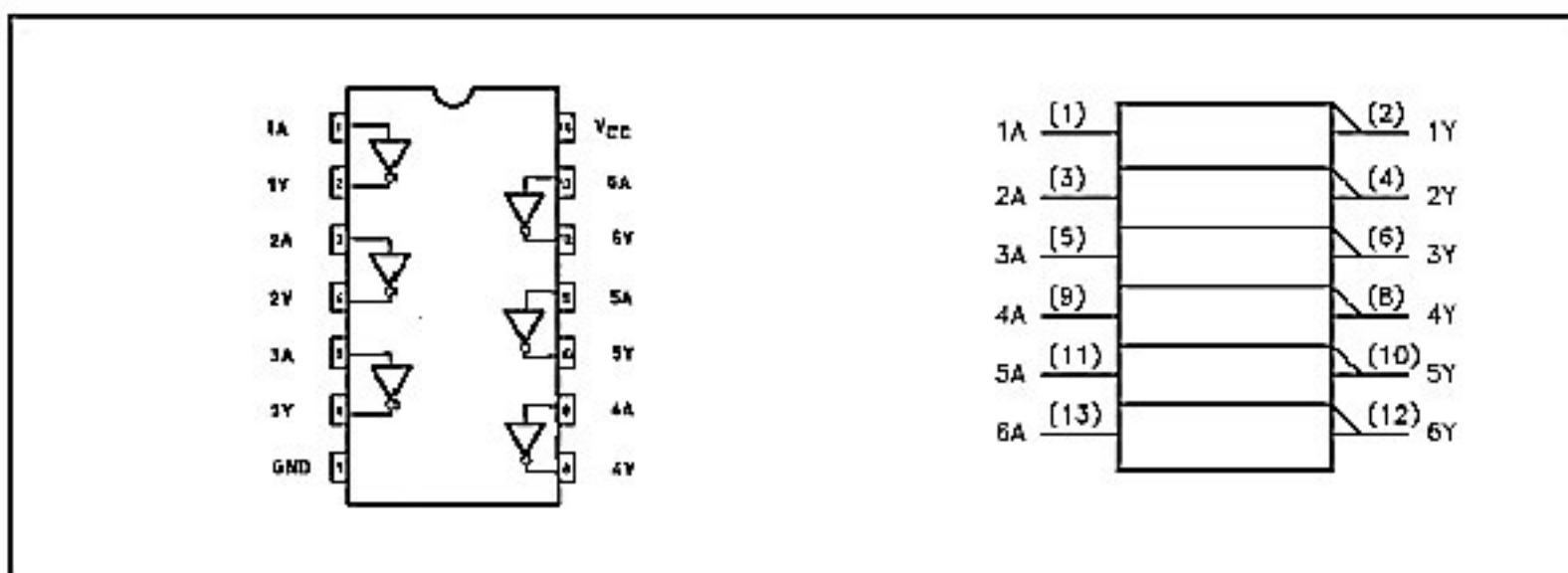


LEGEND

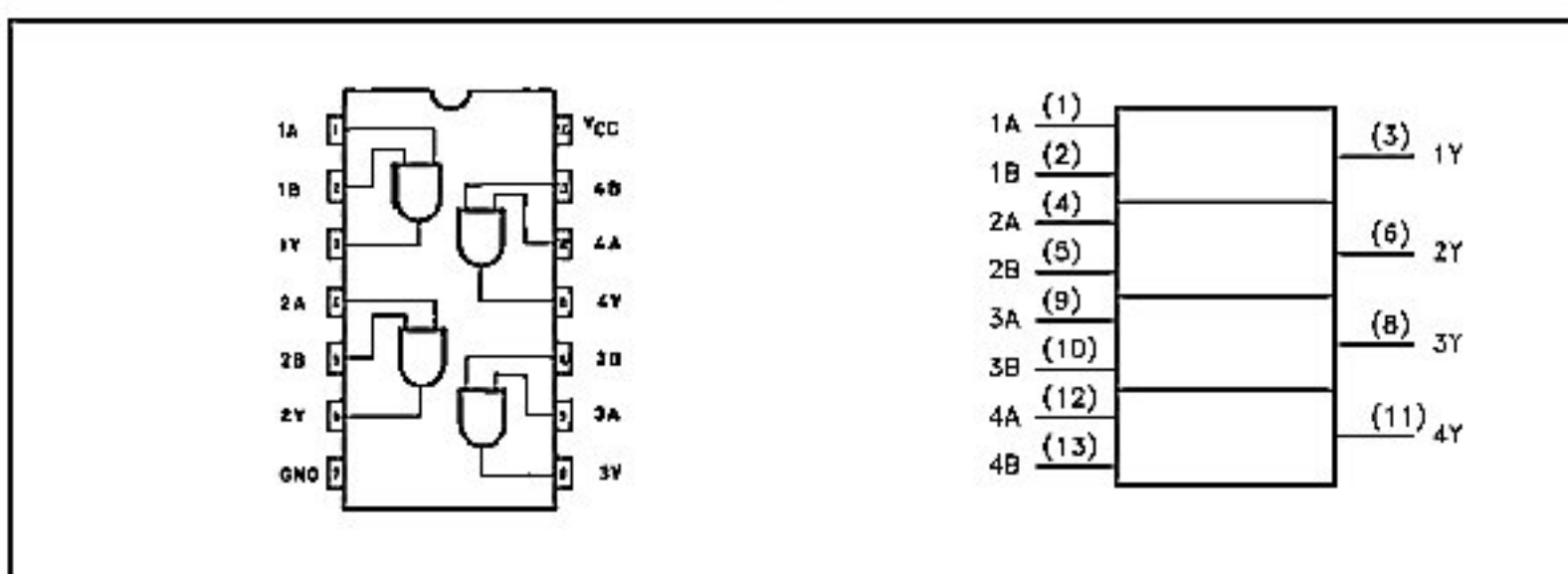
C = COLLECTOR
B = BASE
E = EMITTER
K = CATHODE
D = DRAIN
G = GATE
S = SOURCE
N = NEGATIVE
P = POSITIVE

LOGIC

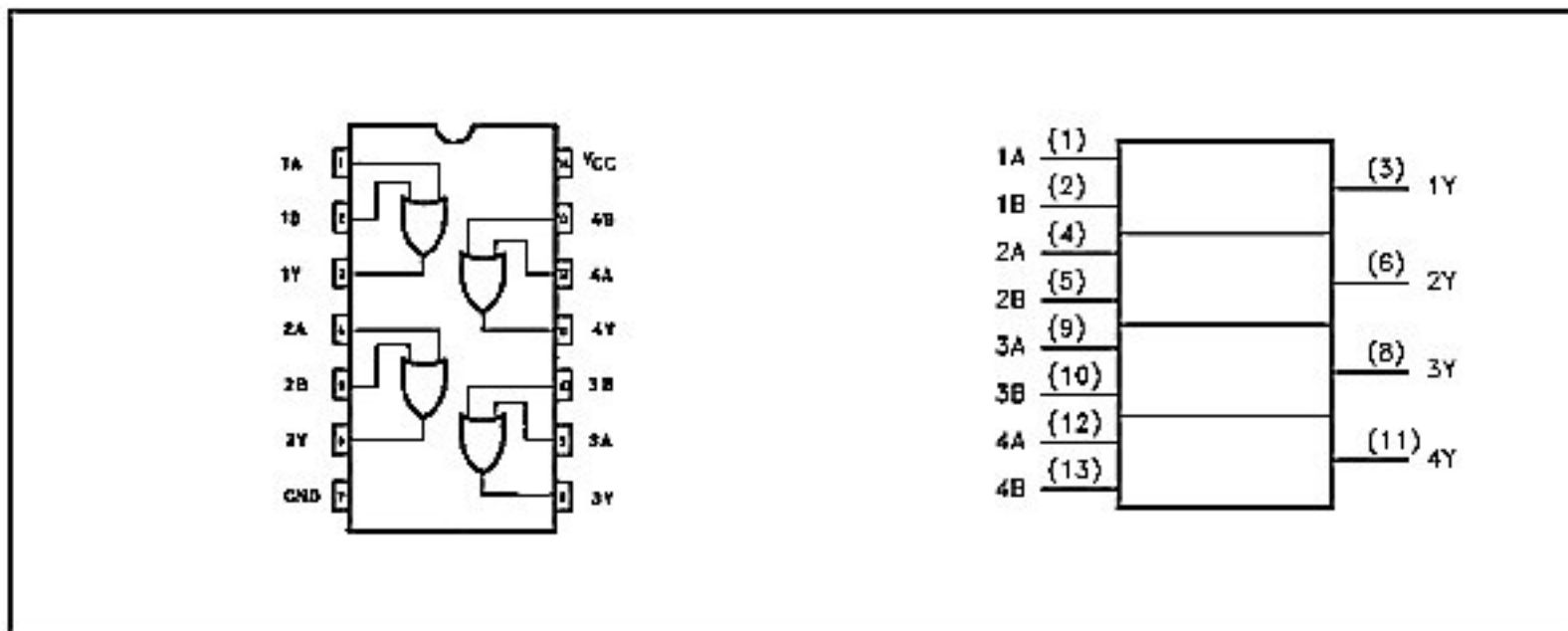
INVERTER



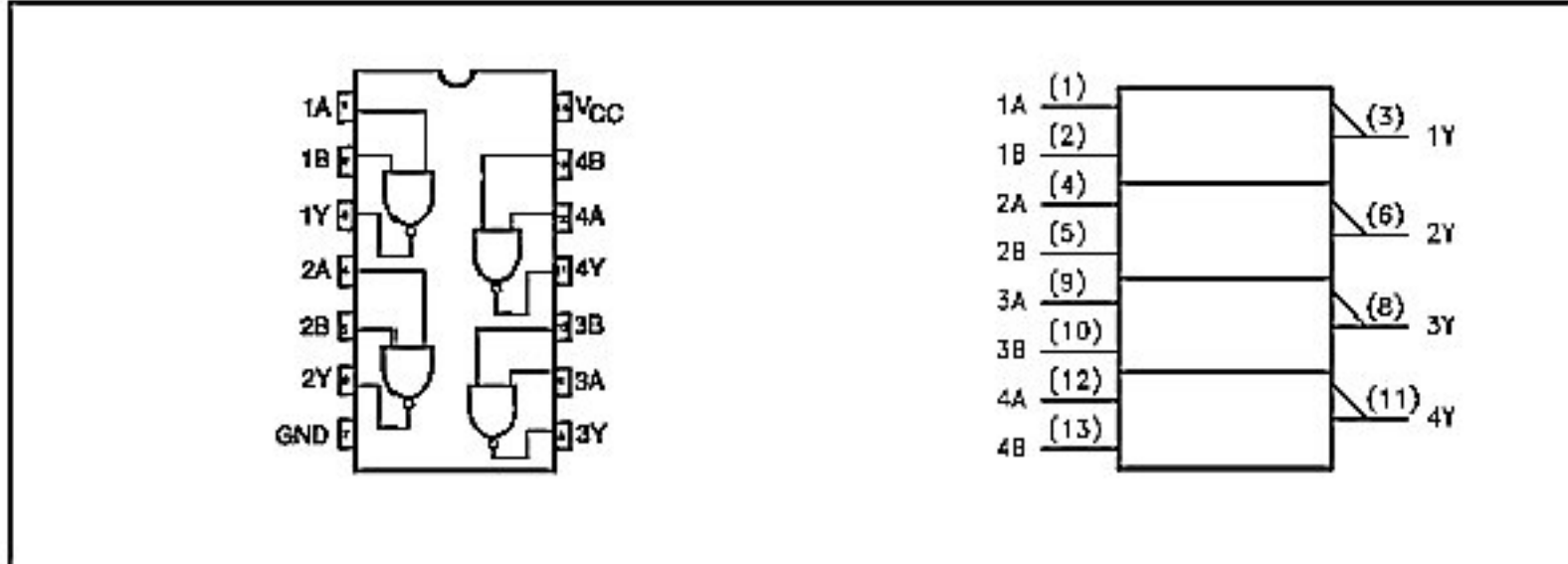
AND



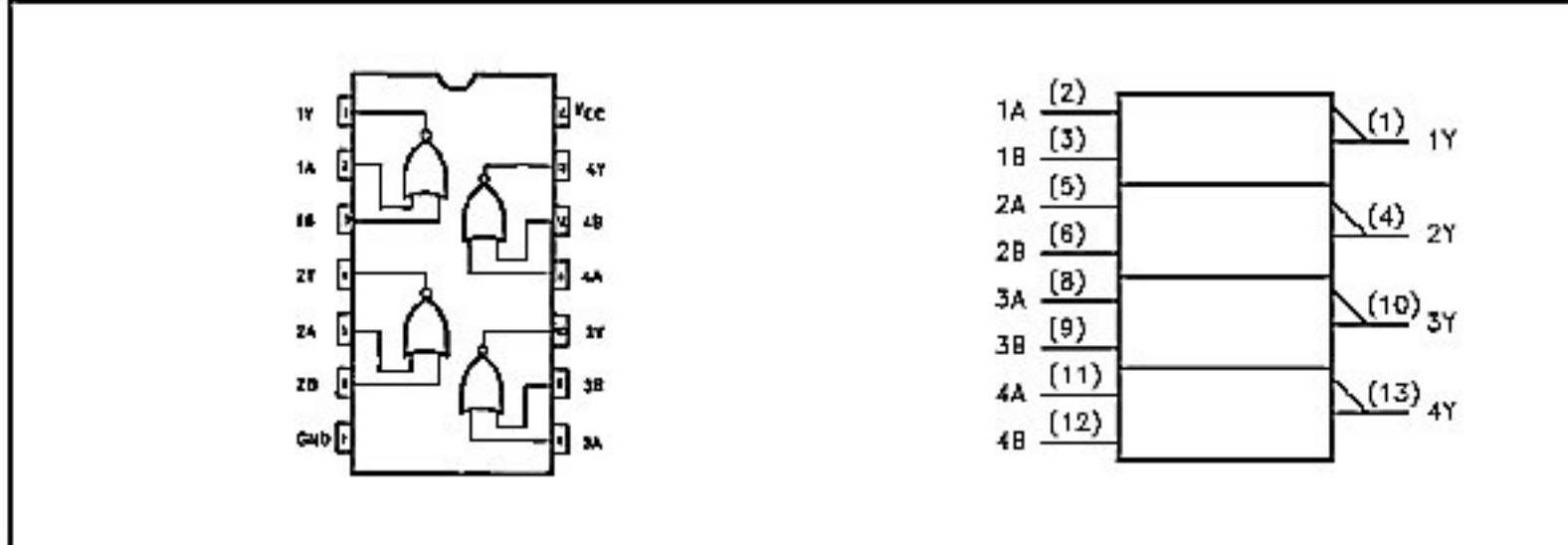
OR



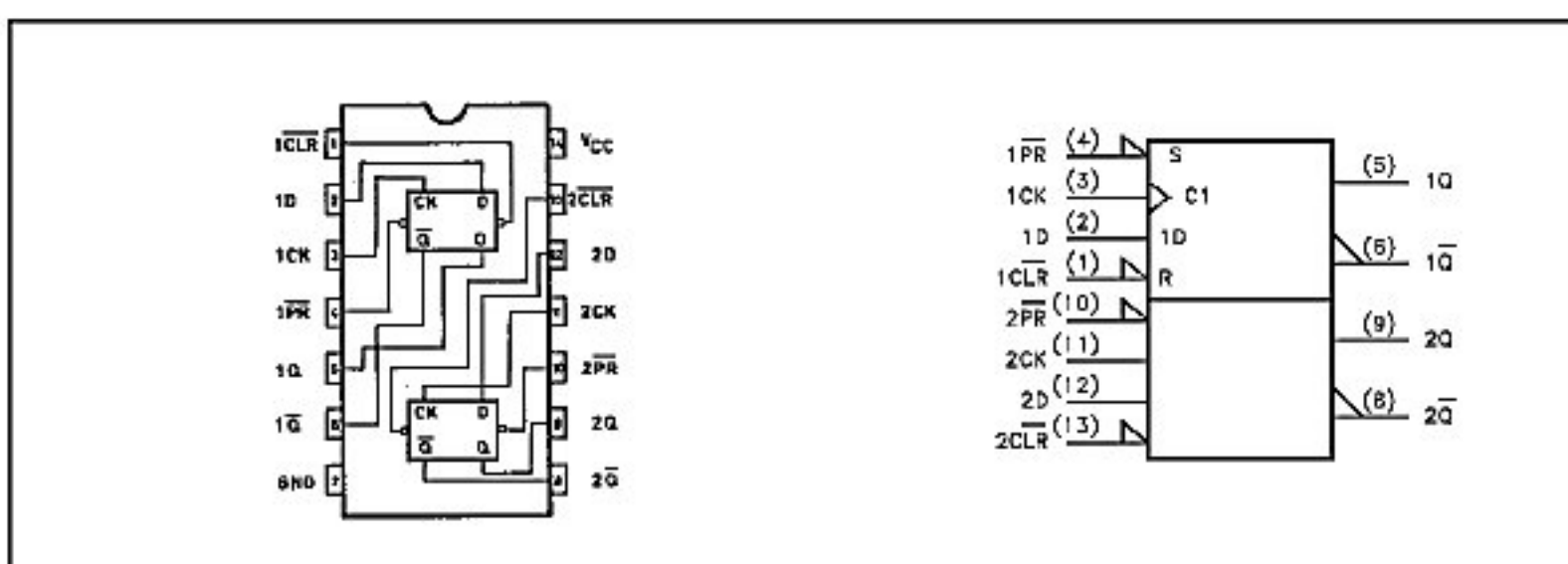
NAND



NOR



FLIP-FLOP



READING RESISTANCE VALUES

READING RESISTANCE VALUES			
Example: 4 7 x100 -5%			
4700Ω-5%			
COLOR	VALUE	MULTIPLIER	TOLERANCE
Black	0	1	-
Brown	1	10	-1%
Red	2	100	-2%
Orange	3	1K	-
Yellow	4	10K	-
Green	5	100K	-0.5%
Blue	6	1M	-0.25%
Violet	7	10M	-0.1%
Gray	8	100M	-0.05%
White	9	1000M	-
Gold	-	1/10	-5%
Silver	-	1/100	-10%
None	-	-	-20%

Capacitor Marking	pF	uF
10	10	.00001
101	100	.0001
102	1000	.001
103	10,000	.01
104	100,000	0.1