

LOGIC GATE DATA SHEET



REP

in	out
0	0
1	1

TYPE: A



AND

in A	in B	out
0	0	0
0	1	0
1	0	0
1	1	1

TYPE: B



OR

in A	in B	out
0	0	0
0	1	1
1	0	1
1	1	1

TYPE: B



XOR

in A	in B	out
0	0	0
0	1	1
1	0	1
1	1	0

TYPE: B



NOT

in	out
0	1
1	0

TYPE: A



NAND

in A	in B	out
0	0	1
0	1	1
1	0	1
1	1	0

TYPE: B



NOR

in A	in B	out
0	0	1
0	1	0
1	0	0
1	1	0

TYPE: B



XNOR

in A	in B	out
0	0	1
0	1	0
1	0	0
1	1	1

TYPE: B



DUP

in	out A	out B
0	0	0
1	1	1

TYPE: C

INPUT/OUTPUT FORMATS

SIGNAL DIRECTION



TYPE A

1 IN / 1 OUT



TYPE B

2 IN / 1 OUT



TYPE C

1 IN / 2 OUT