

	TITLE:					
	Basic Building blocks					
	💬 EasyEDA	Company: Z80				
		Date: 2021-1				
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All Diodes are 1N4007 Schottky Power Diodes 1A.

Switching diodes might be used, just be conscious of

the curent on the output rangeing between 10 and 40 mA

OP AMP's can drive a ton of current, my recommendation is to plan for

at least 40mA potential, and consult your specific diode's datasheet



BUFFERED DRL 3 input OR

LM324NG A NOR B NOR C (buffered & inverted)

D4 1N4007W c D BUFFERED DRL 3 input NOR a VCC of +12 is assumed All Diodes are 1N4007 Schottky Power Diodes 1A. Switching diodes might be used, with current limiting resistor, however this may effect the performance of the gate. OP AMP's can drive a ton of current, my recommendation is to plan for at least 40mA potential. a single gate in this configuration can draw upwards of 2mA.

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			Г	TITLE: OR Ga	ites		REV: 1.0
					Company: Z80Dad / D. Collins		Sheet: 1/1
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al, and consult your specific diode's datasheet							
TITLE:							
Half-Adder Example REV:							
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