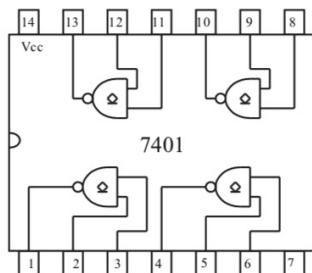
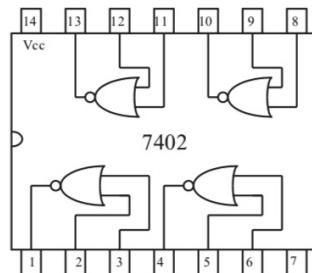


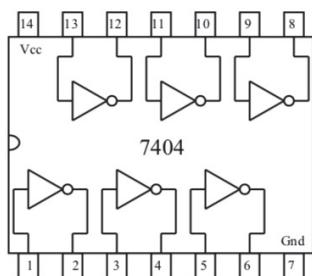
7400 Quad 2-input NAND



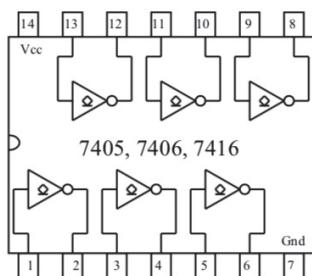
7401 Quad 2-input NAND  
(open-collector outputs)



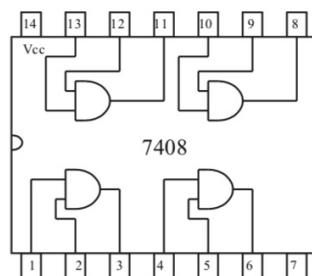
7402 Quad 2-input NOR



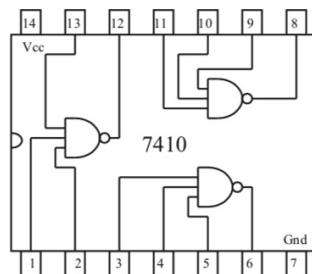
7404 Hex Inverter



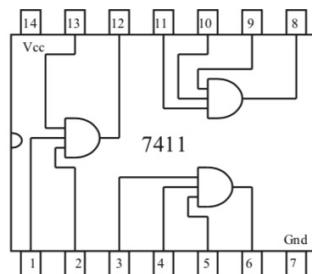
7405, 7406, 7416 Hex Inverter  
(open-collector outputs)



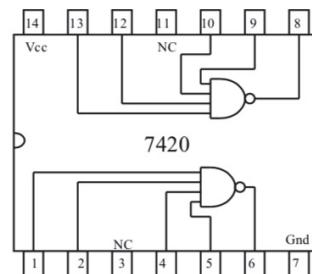
7408 Quad 2-input AND



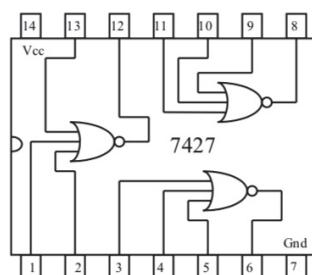
7410 Triple 3-input NAND



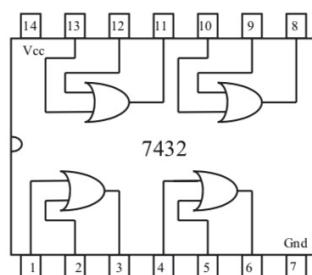
7411 Triple 3-input AND



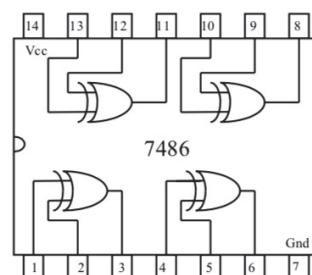
7420 Dual 4-input NAND



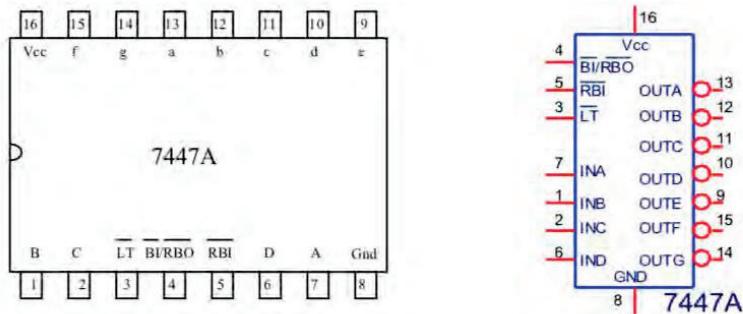
7427 Triple 3-input NOR



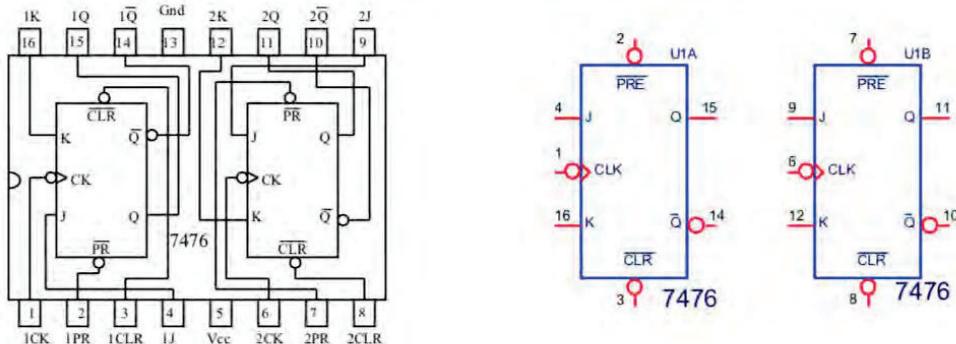
7432 Quad 2-input OR



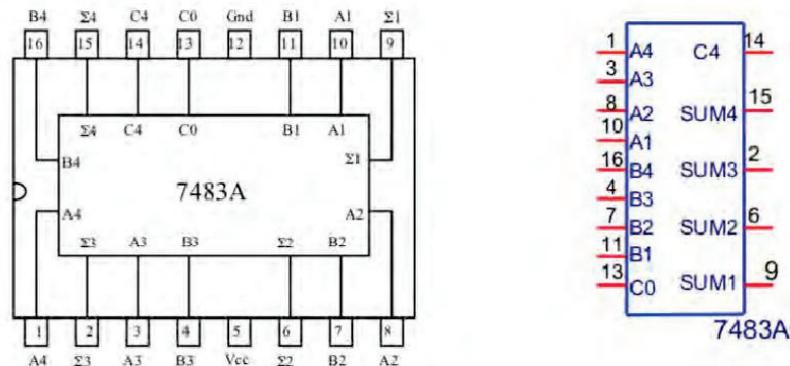
7486 Quad 2-input Exclusive-OR



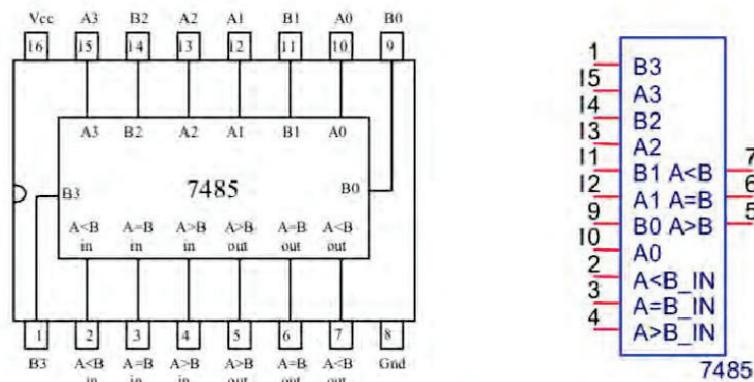
## 7447A BCD to 7-segment decoder/driver: Pinout and Logic Symbol



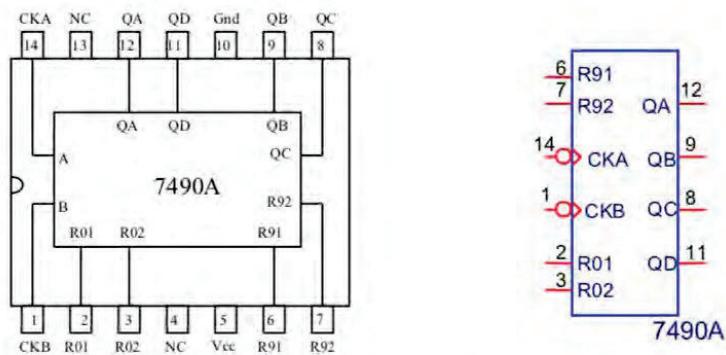
## 7476 Dual JK Flip-Flop: Pinout and Logic Symbols



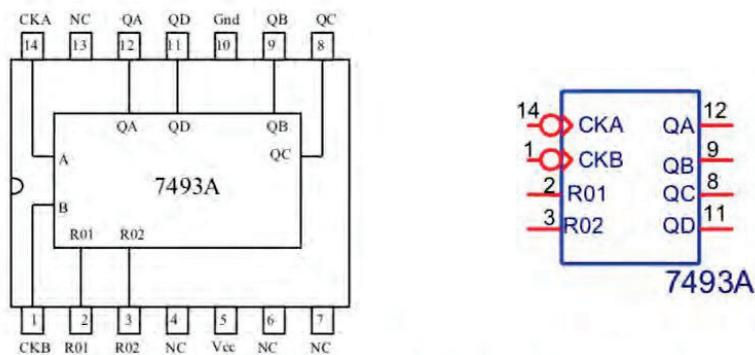
## 7483A 4-Bit Adder: Pinout and Logic Symbol



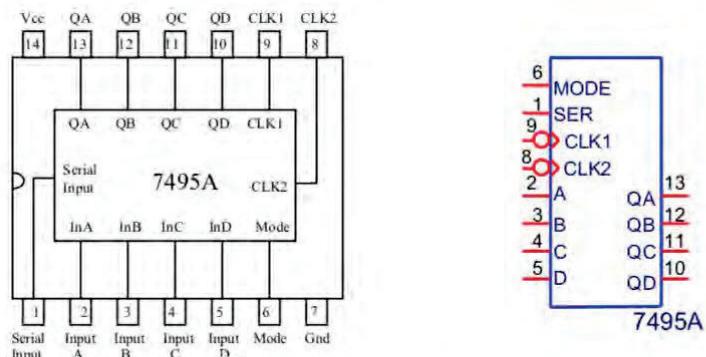
## 7485 4-Bit Magnitude Comparator: Pinout and Logic Symbol



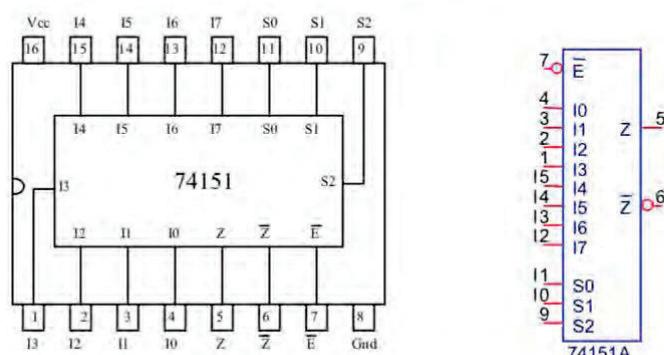
7490A Decade Counter: Pinout and Logic Symbol



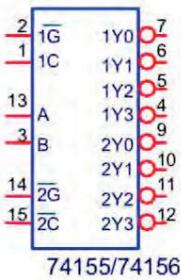
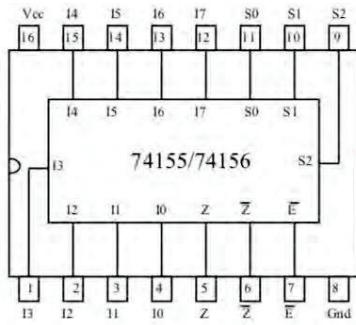
7493A 4-Bit Binary Counter: Pinout and Logic Symbol



7495A 4-Bit Parallel-Load Shift Register: Pinout and Logic Symbol

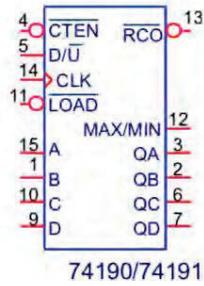
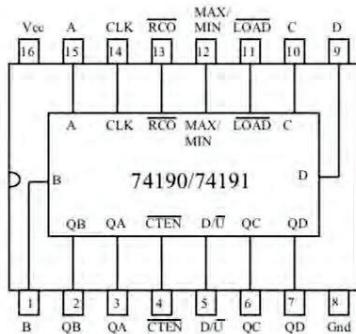


74151 8x1 Data Selector/Multiplexer: Pinout and Logic Symbol



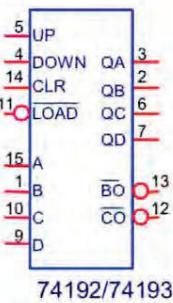
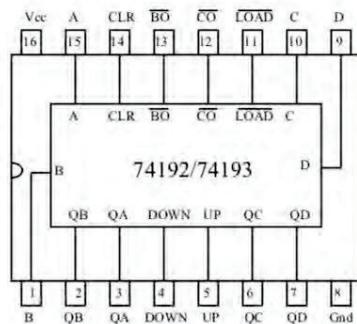
74155 – Totem Pole Outputs  
74156 – Open-Collector Outputs

#### 74155/74156 Dual 2-Line To 4-Line Decoder/Demultiplexer: Pinout and Logic Symbol



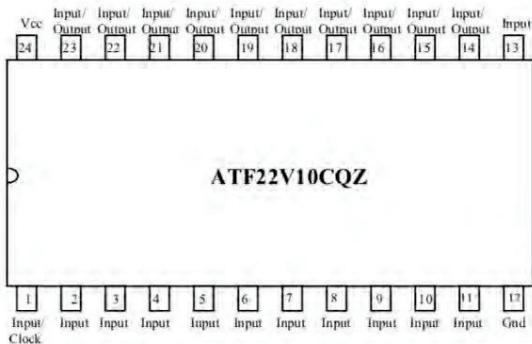
74190 – BCD Counter  
74191 – 4-Bit Binary Counter

#### 74190/74191 Synchronous Up/Down Counter: Pinout and Logic Symbol



74192 – BCD Counter  
74193 – 4-Bit Binary Counter

#### 74192/74193 Synchronous Up/Down Counter: Pinout and Logic Symbol



#### ATMEL ATF22V10CQZ PLD (Programmable Logic Device)