

Parallel Data

0 => Parallel Load
0 => Up, 1 => Down

Clock In
0 => Count Enable

Data Out

Ripple Clock Out

Terminal Count

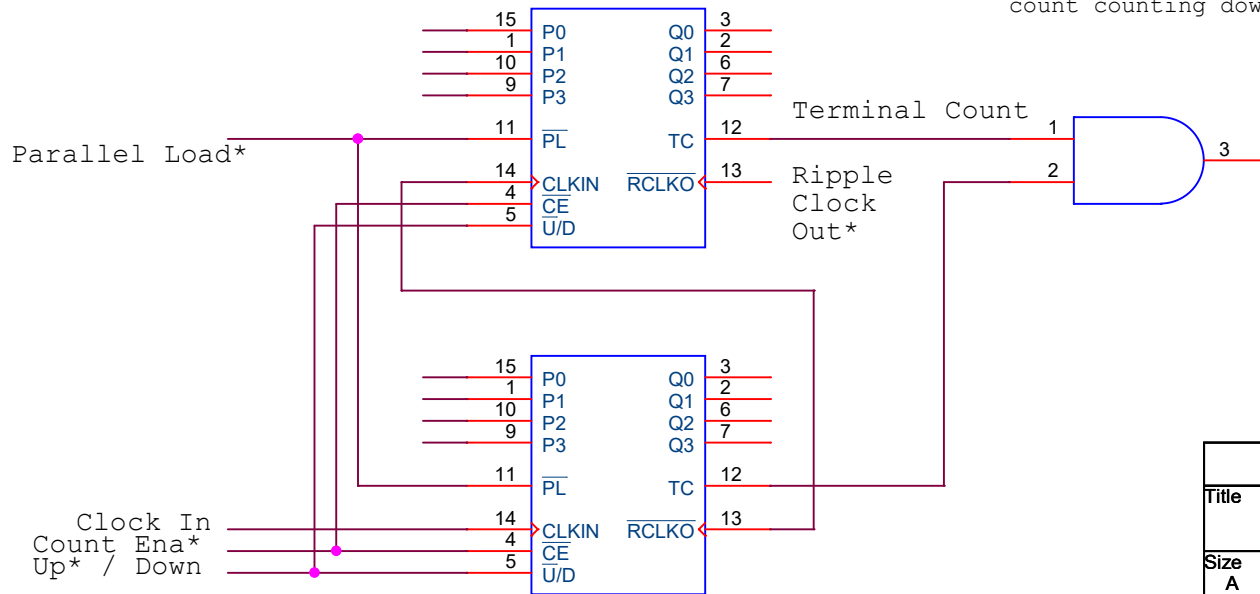
Loading data
Apply data to parallel data inputs
pulse Parallel Load low. Count
Enable does not have to be low.

Counting up
Set Clock low.
Set Load high.
Set Up/Down low.
Set Count Enable low.
Pulse Clock high.

Counting down
Set Clock low.
Set Load high.
Set Up/Down high.
Set Count Enable low.
Pulse Clock high.

Ripple Clock Out goes low
during the Clock pulse where
maximum or minimum count occurs.

Terminal Count goes high while
the counter is at the maximum
count counting up or the minimum
count counting down.



Title		
A10124 74191 Synchronous up/down binary counter		
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