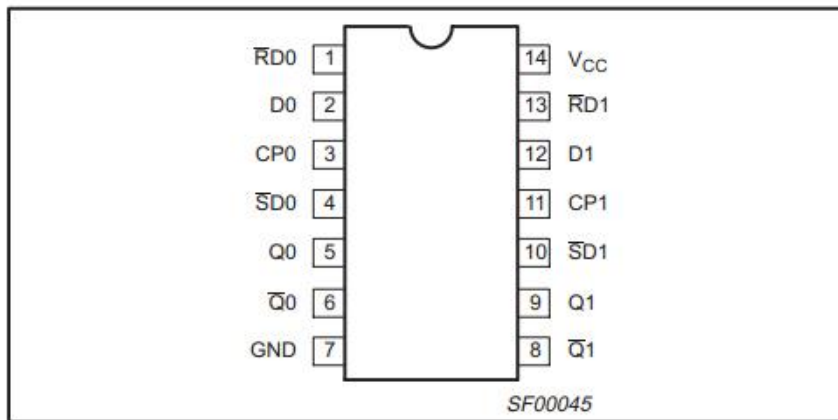


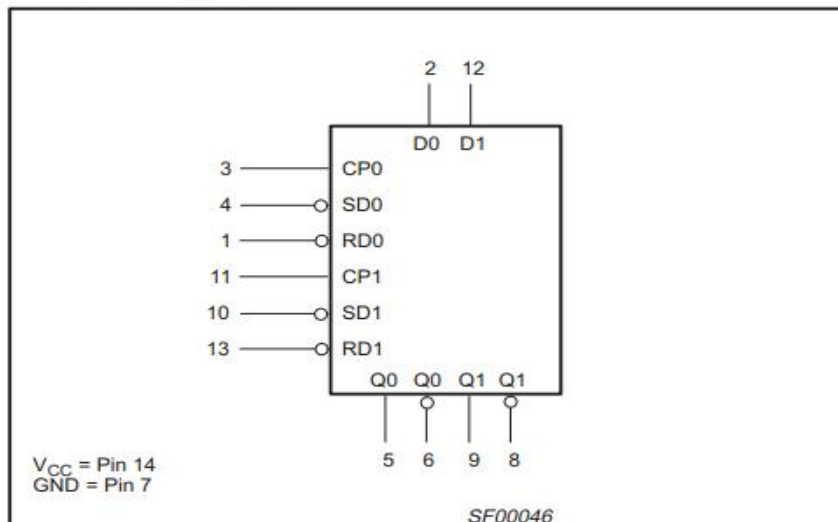
# Dual D-type flip-flop

74F74

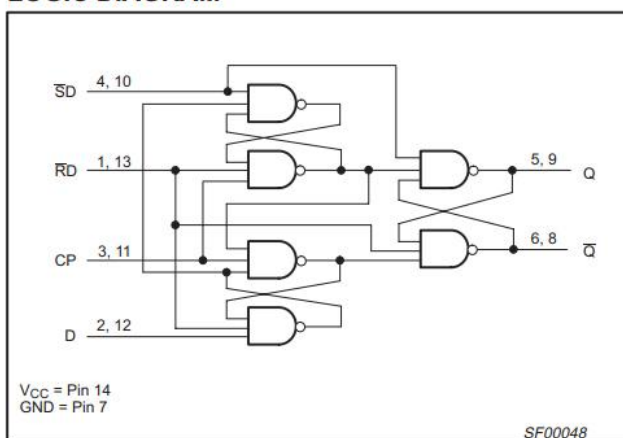
## PIN CONFIGURATION



## LOGIC SYMBOL



## LOGIC DIAGRAM



## FUNCTION TABLE

INPUTS				OUTPUTS		OPERATING MODE
SD	RD	CP	D	Q	Q̄	
L	H	X	X	H	L	Asynchronous set
H	L	X	X	L	H	Asynchronous reset
L	L	X	X	H	H	Undetermined*
H	H	↑	h	H	L	Load "1"
H	H	↑	l	L	H	Load "0"
H	H	⊕	X	NC	NC	Hold

### NOTES:

- H = High voltage level
- h = High voltage level one setup time prior to low-to-high clock transition
- L = Low voltage level
- l = Low voltage level one setup time prior to low-to-high clock transition
- NC = No change from the previous setup
- X = Don't care
- ↑ = Low-to-high clock transition
- ⊕ = Not low-to-high clock transition
- \* = This setup is unstable and will change when either set or reset return to the high level.