

# Quad 2-input OR gate

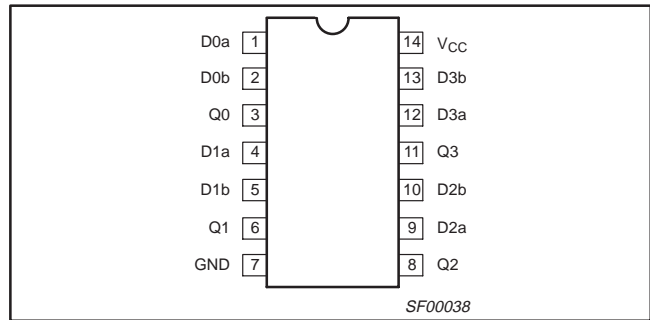
# 74F32

## FEATURE

- Industrial temperature range available (-40°C to +85°C)

TYPE	TYPICAL PROPAGATION DELAY	TYPICAL SUPPLY CURRENT (TOTAL)
74F32	4.1ns	8.2mA

## PIN CONFIGURATION



## ORDERING INFORMATION

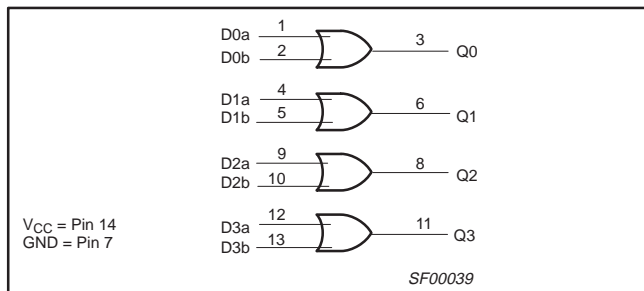
DESCRIPTION	ORDER CODE		PKG DWG #
	COMMERCIAL RANGE V <sub>CC</sub> = 5V ±10%, T <sub>amb</sub> = 0°C to +70°C	INDUSTRIAL RANGE V <sub>CC</sub> = 5V ±10%, T <sub>amb</sub> = -40°C to +85°C	
14-pin plastic DIP	N74F32N	I74F32N	SOT27-1
14-pin plastic SO	N74F32D	I74F32D	SOT108-1

## INPUT AND OUTPUT LOADING AND FAN OUT TABLE

PINS	DESCRIPTION	74F (U.L.) HIGH/LOW	LOAD VALUE HIGH/LOW
Dna, Dnb	Data inputs	1.0/1.0	20µA/0.6mA
Qn	Data output	50/33	1.0mA/20mA

NOTE: One (1.0) FAST unit load is defined as: 20µA in the high state and 0.6mA in the low state.

## LOGIC DIAGRAM

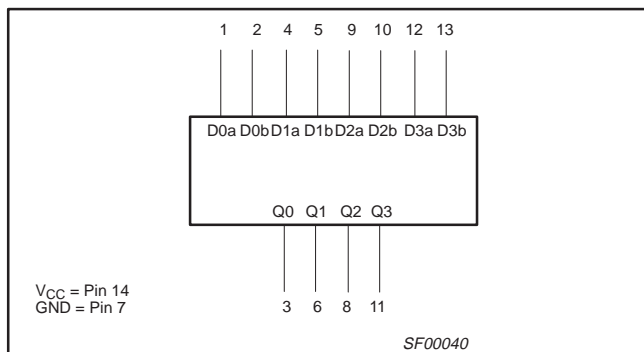


## FUNCTION TABLE

INPUTS		OUTPUT
Dna	Dnb	Qn
L	L	L
L	H	H
H	L	H
H	H	H

- NOTES:  
 1 H = High voltage level  
 2 L = Low voltage level

## LOGIC SYMBOL



## IEC/IEEE SYMBOL

