

# Automotive Logic Devices



Texas Instruments (TI) offers a vast portfolio of automotive logic devices compliant to the AEC-Q100 standard. These devices are designed for automotive and high-reliability systems and come with world-class support.

Our automotive logic devices include all the major logic functions including gates, switches, and level translation to provide automotive system designers the functions that they need. They also support a wide range of supply voltages from 5V to 1.2V to meet the needs of any automotive system such as body control modules, infotainment systems, automotive lighting, and advanced driver assistance systems.

This page is your resource to download datasheets and order samples. For the full list of TI's logic devices, click on the complete parametric tables for more information and for logic-related solutions.

More information can be found at [www.ti.com/logic](http://www.ti.com/logic) and [www.ti.com/automotive](http://www.ti.com/automotive)



## Buffers/Drivers/Tranceivers

**Inverting Buffers/Drivers** View the complete portfolio parametric table

Device	Description	V <sub>CC</sub>	Bits (#)	Package	Sample	1k Price (\$)
SN74LVC04A-Q1	Hex Inverter	2V to 3.6V	6	14SOIC, 14TSSOP	☞	0.17
SN74LVC06A-Q1	Hex-Inverter Buffers/Drivers With Open-Drain Outputs	1.65V to 3.6V	6	14SOIC, 14TSSOP	☞	0.17
SN74LVC14A-Q1	Hex Schmitt-Trigger Inverter	2V to 3.6V	6	14SOIC, 14TSSOP	☞	0.17
SN74LVC1G04-Q1	Single Inverter	1.65V to 5.5V	1	5SC70, 5SOT-23	☞	0.13
SN74LVC2G06-Q1	Dual-Inverter Buffer/Driver with Open-Drain Output	1.65V to 5.5V	2	6SC70	☞	0.21
SN74LVC2G14-Q1	Dual Schmitt-Trigger Inverter	1.65V to 5.5V	2	6SC70	☞	0.20
SN74LVC540A-Q1	Octal Buffer/Driver With 3-State Outputs	2V to 3.6V	8	20SOIC, 20TSSOP	☞	0.33
SN74AHC04-Q1	Hex Inverters	2V to 5.5V	6	14SOIC, 14TSSOP	☞	0.15
SN74AHC14Q-Q1	Hex Schmitt-Trigger Inverters	2V to 5.5V	6	14SOIC, 14TSSOP	☞	0.15
SN74AHC1G04-Q1	Single-Inverter Gate	2V to 5.5V	1	5SC70, 5SOT-23	☞	0.13
SN74AHCU04-Q1	Hex Inverters	2V to 5.5V	6	14TSSOP	☞	0.15
SN74AHC1G04-Q1	Single-Inverter Gate	2V to 5.5V	1	5SC70	☞	0.13
SN74LV04A-Q1	Hex Inverters	2V to 5.5V	6	14TSSOP	☞	0.15
SN74LV14A-Q1	Hex Schmitt-Trigger Inverters	2V to 5.5V	6	14TSSOP	☞	0.15
SN74LVU04A-Q1	Hex Inverters	2V to 5.5V	6	14TSSOP	☞	0.15
SN74AC04-Q1	Hex Inverters	2V to 6V	6	14TSSOP	☞	0.25
SN74AC14-Q1	Hex Schmitt-Trigger Inverters	2V to 6V	6	14TSSOP	☞	0.23
SN74AC240-Q1	Octal Buffers/Drivers With 3-State Outputs	2V to 6V	8	20TSSOP	☞	0.40
CD74HC366-Q1	High-Speed CMOS Logic Hex Buffers/Line Drivers with Inverting 3-State Outputs	2V to 6V	6	16SOIC	☞	0.41
SN74HC04-Q1	Hex Inverters	2V to 6V	6	14TSSOP	☞	0.14
SN74HC14-Q1	Hex Schmitt-Trigger Inverters	2V to 6V	6	14SOIC, 14TSSOP	☞	0.15
CD74HCU04-Q1	High-Speed CMOS Logic Hex Inverters	4.5V to 5.5V	6	14TSSOP	☞	0.30
CD74ACT05-Q1	Hex Inverters with Open-Drain Outputs	4.5V to 5.5V	6	14SOIC	☞	0.35
SN74AHC14Q-Q1	Hex Schmitt-Trigger Inverters	4.5V to 5.5V	6	14SOIC, 14TSSOP	☞	0.15
SN74AHC240-Q1	Octal Buffers/Drivers With 3-State Outputs	4.5V to 5.5V	8	20TSSOP	☞	0.13
SN74HCT14-Q1	Hex Schmitt-Trigger Inverters	4.5V to 5.5V	6	14TSSOP	☞	0.15

**Non-Inverting Buffers/Drivers** View the complete portfolio parametric table

Device	Description	V <sub>CC</sub>	Bits(#)	Package	Sample	1k Price (\$)
SN74LV125-Q1	3.3-V ABT Quadruple-Bus Buffers With 3-State Outputs	2.7V to 3.6V	4	14SOIC, 14TSSOP	☞	1.15
SN74LVC07A-Q1	Hex Buffer/Driver With Open-Drain Outputs	1.65V to 5.5V	6	14TSSOP	☞	0.17
SN74LVC125A-Q1	Quadruple-Bus Buffer Gate With 3-State Outputs	1.65V to 3.6V	4	14SOIC	☞	0.18
SN74LVC126A-Q1	Quadruple-Bus Buffer Gate With 3-State Outputs	2V to 3.6V	4	14SOIC, 14TSSOP	☞	0.18

## Buffers/Drivers/Tranceivers (Continued)

Non-Inverting Buffers/Drivers (Continued) View the complete portfolio parametric table						
Device	Description	V <sub>CC</sub>	Bits (#)	Package	Sample	1k Price (\$)
SN74LVC16244A-Q1	16-Bit Buffer/Driver With 3-State Outputs	1.65V to 3.6V	16	48TSSOP	☒	0.95
SN74LVC1G07-Q1	Single Buffer/Driver With Open-Drain Output	1.65V to 5.5V	1	5SOT-23	☒	0.13
SN74LVC1G125-Q1	Single-Bus Buffer Gate With 3-State Output	1.65V to 5.5V	1	5SC70, 5SOT-23	☒	0.15
SN74LVC1G126-Q1	Single-Bus Buffer Gate With 3-State Outputs	1.65V to 5.5V	1	5SOT-23	☒	0.15
SN74LVC1G17-Q1	Single Schmitt-Trigger Buffer	1.65V to 5.5V	1	5SC70, 5SOT-23	☒	0.13
SN74LVC244A-Q1	Octal Buffer/Driver With 3-State Outputs	1.65V to 3.6V	8	20SOIC, 20TSSOP	☒	0.25
SN74LVC2G125-Q1	Dual-Bus Buffer Gate with 3-State Outputs	1.65V to 5.5V	2	8SM8, 8US8	☒	0.20
SN74LVC2G17-Q1	Dual Schmitt-Trigger Buffer	1.65V to 5.5V	2	6SC70	☒	0.21
SN74LVC3G07-Q1	Triple Buffer/Driver With Open-Drain Output	1.65V to 5.5V	3	8US8	☒	0.33
SN74LVC541A-Q1	Octal Buffer/Driver With 3-State Outputs	2V to 3.6V	8	20SOIC, 20TSSOP	☒	0.30
SN74LV125A-Q1	Quadruple-Bus Buffer Gates With 3-State Outputs	2V to 5.5V	4	14VQFN	☒	0.18
SN74AHC125-Q1	Quadruple-Bus Buffer Gates With 3-State Outputs	2V to 5.5V	4	14SOIC, 14TSSOP	☒	0.23
SN74AHC244-Q1	Octal Buffers/Drivers With 3-State Outputs	2V to 5.5V	8	20SOIC, 20TSSOP	☒	0.27
SN74AHC541-Q1	Octal Buffers/Drivers With 3-State Outputs	2V to 5.5V	8	20TSSOP	☒	0.33
CD74HC125-Q1	High-Speed CMOS Logic Quad Buffers with 3-State Outputs	2V to 6V	4	14SOIC, 14TSSOP	☒	0.41
SN74HC125-Q1	Quadruple-Bus Buffer Gates With 3-State Outputs	2V to 6V	4	14TSSOP	☒	0.18
SN74HC244-Q1	Octal Buffers And Line Drivers With 3-State Outputs	2V to 6V	8	20SOIC, 20TSSOP	☒	0.27
SN74AHCT1G125-Q1	Single-Bus Buffer Gate With 3-State Output	3V to 5.5V	1	5SC70	☒	0.13
SN74AHCT1G126-Q1	Single-Bus Buffer Gate With 3-State Output	3V to 5.5V	1	5SC70	☒	0.13
SN74ABT125Q-Q1	Quadruple-Bus Buffer Gates With 3-State Outputs	4.5V to 5.5V	4	14SOIC	☒	0.41
SN74ABT541B-Q1	Octal Buffers/Drivers With 3-State Outputs	4.5V to 5.5V	8	20TSSOP	☒	0.59
SN74ACT244-Q1	Octal Buffers/Drivers With 3-State Outputs	4.5V to 5.5V	8	20TSSOP	☒	0.48
SN74AHCT125-Q1	Quadruple-Bus Buffer Gates With 3-State Outputs	4.5V to 5.5V	4	14SOIC, 14TSSOP	☒	0.19
SN74AHCT126-Q1	Quadruple-Bus Buffer Gates With 3-State Outputs	4.5V to 5.5V	4	14SOIC, 14TSSOP	☒	0.19
SN74AHCT244-Q1	Octal Buffers/Drivers With 3-State Outputs	4.5V to 5.5V	8	20SOIC, 20TSSOP	☒	0.25
SN74HCT244-Q1	Octal Buffers And Line Drivers With 3-State Outputs	4.5V to 5.5V	8	20TSSOP	☒	0.27
CD4010B-Q1	CMOS Hex Non-Inverting Buffer/Converter	3V to 18V	6	16SOIC	☒	0.32

Standard Tranceivers View the complete portfolio parametric table						
Device	Description	V <sub>CC</sub>	Bits (#)	Package	Sample	1k Price (\$)
SN74LVC16244A-Q1	16-Bit Buffer/Driver With 3-State Outputs	1.65V to 3.6V	16	48TSSOP	☒	0.95
SN74LVC1G07-Q1	Single Buffer/Driver With Open-Drain Output	1.65V to 5.5V	1	5SOT-23	☒	0.13

## Gates

AND Gates View the complete portfolio parametric table						
Device	Description	V <sub>CC</sub>	Bits (#)	Package	Sample	1k Price (\$)
SN74AUP1G08-Q1	Low-Power, Single, 2-Input Positive-AND Gate	0.8V to 3.6V	1	5SC70	☒	0.15
SN74AC08-Q1	Quadruple, 2-Input, Positive-AND Gates	2V to 6V	4	14SOIC, 14TSSOP	☒	0.23
SN74AC11-Q1	Triple, 3-Input, Positive-AND Gates	2V to 6V	3	14SOIC, 14TSSOP	☒	0.27
SN74AHC08Q-Q1	Quadruple, 2-Input, Positive-AND Gate	2V to 5.5V	4	14SOIC, 14TSSOP	☒	0.15
SN74AHC1G08-Q1	Single, 2-Input, Positive-AND Gate	2V to 5.5V	1	5SC70, 5SOT-23	☒	0.13
CD74HC08-Q1	Quadruple, 2-Input, Positive-AND Gates	2V to 6V	4	14SOIC	☒	0.30
SN74HC08-Q1	Quadruple, 2-Input, Positive-AND Gates	2V to 6V	4	14SOIC, 14TSSOP	☒	0.14
SN74HC21-Q1	Dual, 4-Input, Positive-AND Gates	2V to 6V	2	14SOIC, 14TSSOP	☒	0.20
SN74ALVC08-Q1	Quadruple, 2-Input, Positive-AND Gate	1.65V to 3.6V	4	14SOIC, 14TSSOP	☒	0.22
SN74LV08A-Q1	Quadruple, 2-Input, Positive-AND Gates	1.65V to 5.5V	4	14TSSOP	☒	0.15
SN74LV11A-Q1	Triple, 3-Input, Positive-AND Gates	2V to 5.5V	3	14TSSOP	☒	0.39
SN74LVC08A-Q1	Quadruple, 2-Input, Positive-AND Gate	2V to 3.6V	4	14SOIC, 14TSSOP	☒	0.17
SN74LVC1G08-Q1	Single, 2-Input, Positive-AND Gate	1.65V to 5.5V	1	5SC70, 5SOT-23	☒	0.12
SN74LVC1G11-Q1	Single, 3-Input, Positive-AND Gate	1.65V to 5.5V	1	6SC70	☒	0.15
SN74LVC2G08-Q1	Dual, 2-Input, Positive-AND Gate	1.65V to 5.5V	2	8SM8	☒	0.20
SN74AHCT08Q-Q1	Quadruple, 2-Input, Positive-AND Gates	4.5V to 5.5V	4	14SOIC, 14TSSOP	☒	0.15

NAND Gates View the complete portfolio parametric table						
Device	Description	V <sub>CC</sub>	Bits (#)	Package	Sample	1k Price (\$)
SN74AUP2G00-Q1	Low-Power, Dual, 2-Input Positive-NAND Gate	0.8V to 3.6V	2	8US8	☒	0.28
SN74ALVC00-Q1	Quadruple, 2-Input, Positive-NAND Gate	1.65V to 3.6V	4	14SOIC, 14TSSOP	☒	0.22
SN74LVC00A-Q1	Quadruple, 2-Input, Positive-NAND Gate	2V to 3.6V	4	14SOIC, 14TSSOP	☒	0.17
SN74AHC00-Q1	Quadruple, 2-Input, Positive-NAND Gates	2V to 5.5V	4	14SOIC, 14TSSOP	☒	0.15
SN74AHC1G00-Q1	Single, Two-Input, Positive-NAND Gate	2V to 5.5V	1	5SC70	☒	0.13
SN74HC00-Q1	Quad, 2-Input, Positive-NAND Gates	2V to 6V	4	14SOIC, 14TSSOP	☒	0.15
SN74HC10-Q1	Triple, 3-Input, Positive-NAND Gates	2V to 6V	3	14SOIC, 14TSSOP	☒	0.15
SN74HC132-Q1	Quadruple, Positive-NAND Gates With Schmitt-Trigger Inputs	2V to 6V	4	14SOIC, 14TSSOP	☒	0.19
SN74ACT00-Q1	Quadruple, 2-Input, Positive-NAND Gates	4.5V to 5.5V	4	14SOIC	☒	0.25
SN74ACT10-Q1	Triple, 3-Input, Positive-NAND Gates	4.5V to 5.5V	3	14TSSOP	☒	0.23
SN74AHCT00Q-Q1	Quadruple, 2-Input, Positive Gates	4.5V to 5.5V	4	14SOIC, 14TSSOP	☒	0.15
CD4093B-Q1	CMOS, Quad, 2-Input, NAND Schmitt Triggers	3V to 18V	4	14SOIC	☒	0.31

OR Gates View the complete portfolio parametric table						
Device	Description	V <sub>CC</sub>	Bits (#)	Package	Sample	1k Price (\$)
SN74LVC1G32-Q1	Single, 2-Input, Positive-OR Gate	1.65V to 5.5V	1	5SC70, 5SOT-23	☒	0.15
SN74LVC2G32-Q1	Dual, 2-Input, Positive-OR Gate	1.65V to 5.5V	2	8US8	☒	0.26
SN74LVC32A-Q1	Quadruple, 2-Input, Positive-OR Gate	2V to 3.6V	4	14SOIC, 14TSSOP	☒	0.17
SN74AHC1G32-Q1	Single, 2-Input, Positive-OR Gate	2V to 5.5V	1	5SOT-23, 5SC70	☒	0.15
SN74AHC32Q-Q1	Quadruple, 2-Input, Positive-OR Gates	2V to 5.5V	4	14SOIC, 14TSSOP	☒	0.15
SN74AHCT1G32-Q1	Single, 2-Input, Positive-OR Gate	2V to 5.5V	1	5SC70, 5SOT-23	☒	0.15
SN74LV32A-Q1	Quadruple, 2-Input, Positive-OR Gates	2V to 5.5V	4	14TSSOP	☒	0.15
CD74ACT32-Q1	Quadruple, 2-Input, Positive-OR Gate	4.5V to 5.5V	4	14SOIC	☒	0.35
SN74AHCT32-Q1	Quadruple, 2-Input, Positive-OR Gates	4.5V to 5.5V	4	14SOIC, 14TSSOP	☒	0.15

## Gates (Continued)

NOR Gates View the complete portfolio parametric table						
Device	Description	V <sub>CC</sub>	Bits (#)	Package	Sample	1k Price (\$)
SN74LVC02A-Q1	Quadruple, 2-Input, Positive-NOR Gate	2V to 3.6V	4	14SOIC, 14TSSOP	☒	0.17
SN74HC02-Q1	Quadruple, 2-Input, Positive-NOR Gates	2V to 6V	4	14SOIC, 14TSSOP	☒	0.26
SN74AHC02-Q1	Quadruple, 2-Input, Positive-NOR Gates	2V to 5.5V	4	14TSSOP	☒	0.15

XOR Gates View the complete portfolio parametric table						
Device	Description	V <sub>CC</sub>	Bits (#)	Package	Sample	1k Price (\$)
SN74LVC86A-Q1	Quadruple, 2-Input, Exclusive-OR Gate	2V to 3.6V	4	14SOIC, 14TSSOP	☒	0.18
SN74LV86A-Q1	Quadruple, 2-Input, Exclusive-OR Gates	2V to 5.5V	4	14TSSOP	☒	0.15
SN74AHC1686-Q1	Single, 2-Input, Exclusive-OR Gate	2V to 5.5V	1	5SOT-23	☒	0.15
SN74HC86-Q1	Quadruple, 2-Input, Exclusive-OR Gates	2V to 6V	4	14SOIC, 14TSSOP	☒	0.18
SN74AHC1686-Q1	Single, 2-Input, Exclusive-OR Gate	4.5V to 5.5V	1	5SC70	☒	0.15

Combination Gates View the complete portfolio parametric table						
Device	Description	V <sub>CC</sub>	Bits (#)	Package	Sample	1k Price (\$)
SN74LVC1G3208-Q1	Single 3-Input Positive OR-AND Gate	1.65V to 5.5V	1	6SC70	☒	0.15

Configurable Gates View the complete portfolio parametric table						
Device	Description	V <sub>CC</sub>	Bits (#)	Package	Sample	1k Price (\$)
SN74LVC1G97-Q1	Configurable, Multiple-Function Gate	1.65V to 5.5V	1	6SC70, 6SOT-23	☒	0.15
SN74LVC1G98-Q1	Configurable, Multiple-Function Gate	1.65V to 5.5V	1	6SC70	☒	0.15
SN74LVC1G99-Q1	Ultra-Configurable, Multi-Function Gate With 3-State Outputs	1.65V to 5.5V	1	8US8	☒	0.32

## Flip-Flop/Latch/Register

D-Type Flip-Flops View the complete portfolio parametric table						
Device	Description	V <sub>CC</sub>	Bits (#)	Package	Sample	1k Price (\$)
SN74LVC74A-Q1	Dual, Positive-Edge-Triggered D-Type Flip-Flops With Clear And Preset	2V to 3.6V	2	14SOIC, 14TSSOP	☒	0.18
SN74LVC16374-Q1	Single, D-Type Flip-Flop with 3-State Output	1.65V to 5.5V	1	6SC70, 6SOT-23	☒	0.15
SN74LVC2674-Q1	Single, Positive-Edge-Triggered D-Type Flip-Flop with Clear and Preset	1.65V to 5.5V	2	8US8	☒	0.21
SN74LVC374A-Q1	Octal, Edge-Triggered D-Type Flip-Flops With 3-State Outputs	1.65V to 3.6V	8	20SOIC, 20TSSOP	☒	0.25
SN74LVC574A-Q1	Octal, Edge-Triggered D-Type Flip-Flop With 3-State Outputs	1.65V to 3.6V	8	20SOIC, 20TSSOP	☒	0.25
SN74LV374A-Q1	Octal, Edge-Triggered D-Type Flip-Flops With 3-State Outputs	2V to 5.5V	8	20TSSOP	☒	0.23
SN74LV74A-Q1	Dual, Positive-Edge-Triggered D-Type Flip-Flop	2V to 5.5V	2	14SOIC, 14TSSOP	☒	0.15
SN74AHC74Q-Q1	Dual, Positive-Edge-Triggered D-Type Flip-Flops With Clear and Preset	2V to 5.5V	2	14SOIC, 14TSSOP	☒	0.15
SN74HC273-Q1	Octal, D-Type Flip-Flops With Clear	2V to 6V	8	20SOIC, 20TSSOP	☒	0.27
SN74HC74-Q1	Dual, D-Type Positive-Edge-Triggered Flip-Flops With Clear and Preset	2V to 6V	2	14SOIC, 14TSSOP	☒	0.15
CD74HCT574-Q1	High-Speed CMOS Logic Octal Positive-Edge-Triggered D-Type Flip-Flops with 3-Stat	4.5V to 5.5V	8	20SOIC, 20TSSOP	☒	0.48
CD74ACT74-Q1	Dual, Positive-Edge-Triggered D-Type Flip-Flops with Set and Reset	4.5V to 5.5V	2	14SOIC	☒	0.35
SN74AHC74Q-Q1	Dual, Positive-Edge-Triggered D-Type Flip-Flop With Clear and Preset	4.5V to 5.5V	2	14SOIC, 14TSSOP	☒	0.15

D-Type Latches View the complete portfolio parametric table						
Device	Description	V <sub>CC</sub>	Bits (#)	Package	Sample	1k Price (\$)
SN74LVC373A-Q1	Octal, Transparent, D-Type Latch With 3-State Outputs	1.65V to 3.6V	8	20SOIC, 20TSSOP	☒	0.25
SN74LVC573A-Q1	Octal, Transparent, D-Type Latches With 3-State Outputs	1.65V to 3.6V	8	20SOIC, 20TSSOP	☒	0.25
SN74LV373A-Q1	Octal, Transparent, D-Type Latches With 3-State Outputs	2V to 5.5V	8	20TSSOP	☒	0.23
SN74HC573A-Q1	Octal, Transparent, D-Type Latches With 3-State Outputs	2V to 6V	8	20SOIC, 20TSSOP	☒	0.27

Shift Registers View the complete portfolio parametric table						
Device	Description	V <sub>CC</sub>	Bits (#)	Package	Sample	1k Price (\$)
SN74LV595A-Q1	8-Bit Shift Registers With 3-State Output Registers	2V to 5.5V	8	16TSSOP	☒	0.53
SN74LV8153-Q1	Serial-To-Parallel Interface	3V to 5.5V	8	20TSSOP	☒	1.40
SN74AHC595-Q1	8-Bit Shift Registers With 3-State Output Registers	2V to 5.5V	8	16TSSOP	☒	0.30
SN74HC165-Q1	8-Bit, Parallel-Load Shift Registers	2V to 6V	8	16SOIC	☒	0.25
SN74HC166A-Q1	8-Bit, Parallel-Load Shift Registers	2V to 6V	8	16SOIC, 16TSSOP	☒	0.24
CD4021B-Q1	CMOS, 8-Stage Static Shift Register	3V to 18V	3	16SOIC	☒	0.32

## Switches/Multiplexers/Demultiplexers

Analog Switches/MUX/DEMUX View the complete portfolio parametric table						
Device	Description	V <sub>CC</sub>	Bits (#)	Package	Sample	1k Price (\$)
TS3A27518E-Q1	6-Bit, 1-of-2 Mux/Demux with 240 MHz Bandwidth	1.65V to 3.6V	6 X SPDT	24TSSOP, 24WQFN	☒	1.05
TS5A23157-Q1	Dual, 15-Ω, SPDT Analog Switch	1.65V to 5.5V	2 X SPDT	10VSSOP	☒	0.46
TS5A3159-Q1	1-Ω SPDT Analog Switch	1.65V to 5.5V	1 X SPDT	6SOT-23	☒	0.37
TS5A3166-Q1	1-Ω SPST Analog Switch 5-V/3.3-V Single-Channel Analog Switch	1.65V to 5.5V	1 X SPST	5SC70	☒	Contact Distributor
TS5A3357-Q1	Single, 5-Ω, SP3T Analog Switch 5-V/3.3-V 3:1 Analog Multiplexer/Demultiplexer	1.65V to 5.5V	1 X SP3T	8US8	☒	0.68
SN74LVC1G66-Q1	Single-Analog Switch	1.65V to 5.5V	1X SPST	5SC70, 5SOT-23	☒	0.15
SN74LVC2G66-Q1	Dual-Analog Switch	1.65V to 5.5V	2 X SPST	8US8	☒	0.21
SN74LVC1G3157-Q1	Single-Pole, Double-Throw Analog Switch	1.65V to 5.5V	1 X SPDT	6SC70, 6SOT-23	☒	0.15
SN74LVC157A-Q1	Quadruple, 2-Line To 1-Line Data Selector / Multiplexer	2V to 3.6V	4 X SPST	16SOIC, 16TSSOP	☒	0.30
SN74LVC257A-Q1	Quadruple, 2-Line To 1-Line Data Selector/Multiplexer With 3-State Outputs	2V to 3.6V	4 X SPST	16SOIC, 16TSSOP	☒	0.38
SN74LV4051A-Q1	8-Channel, Analog Multiplexer/Demultiplexer	2V to 5.5V	1 X 1:8 MUX	16SOIC, 16TSSOP	☒	0.25
SN74LV4052A-Q1	Dual, 4-Channel, Analog Multiplexer/Demultiplexer	2V to 5.5V	2 X 1:4 MUX	16SOIC, 16TSSOP	☒	0.25
SN74LV4053A-Q1	Triple, 2-Channel, Analog Multiplexer/Demultiplexer	2V to 5.5V	3 X SPDT	16SOIC, 16TSSOP	☒	0.25
CD74HC4051-Q1	High-Speed, CMOS, Logic Analog Multiplexers/Demultiplexers	2V to 6V	1 X 1:8 MUX	16SOIC, 16TSSOP	☒	0.30
SN74HC4851-Q1	8-Channel Analog Multiplexer/Demultiplexer with Injection-Current Effect Control	2V to 6V	1 X 1:8 MUX	16SOIC, 16TSSOP	☒	0.41
SN74HC4852-Q1	Dual, 4-to-1 Channel Analog Multiplexer/Demultiplexer	2V to 6V	2 X 1:4 MUX	16SOIC, 16TSSOP	☒	0.41
SN74HC151-Q1	8-Line to 1-Line Data Selector/Multiplexer	2V to 6V	1 X 1:8 MUX	16SOIC	☒	0.28
SN74HC253-Q1	Dual, 4-Line, To 1-Line Data Selectors/Multiplexers With 3-State Outputs	2V to 6V	2 X 1:4 MUX	16SOIC	☒	0.30
CD74HCT4051-Q1	High-Speed, CMOS, 8-Channel Analog Multiplexer/Demultiplexer with TTL inputs	4.5V to 5.5V	1 X 1:8 MUX	16SOIC	☒	0.28
CD74HCT4067-Q1	High-Speed, CMOS, 16-Channel Analog Multiplexer/Demultiplexer with TTL Inputs	4.5V to 5.5V	1 X 1:16 MUX	24SOIC	☒	0.48
CD4051B-Q1	CMOS, Single, 8-Channel Analog Multiplexer/Demultiplexer with Logic-Level Convers.	5V to 20V	1 X 1:8 MUX	16TSSOP	☒	0.32
CD4053B-Q1	CMOS, Triple, 2-Channel Analog Multi/Demultiplexer with Logic-Level Conversion	5V to 20V	3 X SPDT	16SOIC	☒	0.32
CD4066B-Q1	CMOS, Quad Bilateral Switch	3V to 18V	4 X SPST	14SOIC	☒	0.31



## Switches/Multiplexers/Demultiplexers (Continued)

Digital Switches View the complete portfolio parametric table						
Device	Description	V <sub>CC</sub>	Bits (#)	Package	Sample	1k Price (\$)
SN74CBTLV1G125-Q1	Low-Voltage, Single FET Bus Switch	2.3V to 3.6V	1	5SOT-23		0.69
SN74CBTLV3861-Q1	Low-Voltage, 10-Bit FET Bus Switch	2.3V to 3.6V	10	24TSSOP		0.57
SN74CB3T1G125-Q1	Single, FET, 2.5-V/3.3-V Low-Voltage Bus Switch with 5-V Tolerant Level Shifter	2.3V to 3.6V	1	5SC70		0.75
SN74CB3T16210-Q1	20-Bit, FET, Bus Switch 2.5-V/3.3-V Low-Voltage Bus Switch with 5-V-Tolerant Level	2.3V to 3.6V	20	48TSSOP		2.80
CD74HCT4066-Q1	High-Speed CMOS Logic Quad Bilateral Switches	4.5V to 5.5V	4	14SOIC, 14TSSOP		0.43
SN74CBT16245-Q1	16-Bit, FET Bus Switch	4V to 5.5V	16	48TSSOP		1.78

## I<sup>2</sup>C Logic

I <sup>2</sup> C Logic View the complete portfolio parametric table						
Device	Description	V <sub>CC</sub>	Bits (#)	Package	Sample	1k Price (\$)
PCA9306-Q1	Dual, Bidirectional, I <sup>2</sup> C Bus and SMBus Voltage-Level Translator	1.2V to 5.5V	2	8US8		0.29
TCA9539-Q1	Low-Voltage, 16-Bit, I <sup>2</sup> C and SMBus Low-Power I/O Expander	1.65V to 5.5V	16	24TSSOP		Contact distributor

## Specialty Logic

Monostable Multivibrators View the complete portfolio parametric table						
Device	Description	V <sub>CC</sub>	Bits (#)	Package	Sample	1k Price (\$)
SN74LV123A-Q1	Dual, Retriggerable, Monostable Multivibrators	2V to 5.5V	2	16TSSOP		0.27
SN74LV221A-Q1	Dual, Monostable Multivibrators	2V to 5.5V	2	16TSSOP		0.92
CD74HC4538-Q1	High-Speed, CMOS, Logic, Dual, Retriggerable Precision Monostable Multivibrators	2V to 6V	2	16SOIC, 16TSSOP		0.46

Counters/Arithmetic/Parity Functions View the complete portfolio parametric table						
Device	Description	V <sub>CC</sub>	Bits (#)	Package	Sample	1k Price (\$)
SN74LV393A-Q1	Dual, 4-Bit Binary Counters	2V to 5.5V	4	14TSSOP		0.63
CD74HC40103-Q1	High-Speed, CMOS, Logic 8-Stage Synchronous Down Counters	2V to 6V	8	16SOIC		0.76
CD74HC4017-Q1	Decade Counter/Divider With 10 Decoded Outputs	2V to 6V	10	16SOIC, 16TSSOP		0.35
SN74HC163-Q1	4-Bit, Synchronous Binary Counters	2V to 6V	4	16TSSOP		0.18
SN74HC193-Q1	4-Bit, Synchronous Up/Down Counters (Dual Clock With Clear)	2V to 6V	4	16TSSOP		0.28
SN74HC4060-Q1	14-Stage, Asynchronous, Binary Counters And Oscillators	2V to 6V	14	16SOIC		0.35

Decoders/Encoders/Multiplexers View the complete portfolio parametric table						
Device	Description	V <sub>CC</sub>	Bits (#)	Package	Sample	1k Price (\$)
SN74LVC139A-Q1	Dual, 2-Line To 4-Line Decoder/Demultiplexer	1.65V to 3.6V	4	16TSSOP		0.18
SN74LVC138A-Q1	3-Line To 8-Line decoder/Demultiplexer	2V to 3.6V	8	16SOIC, 16TSSOP		0.18
CD74HC138-Q1	High-Speed, CMOS Logic 3-to-8 Line Decoder Demultiplexer Inverting and Non-Invert	2V to 6V	8	16SOIC		0.41
SN74HC138-Q1	3-Line To 8-Line Decoders/Demultiplexers	2V to 6V	8	16SOIC, 16TSSOP		0.19
SN74HC139-Q1	Dual, 2-Line To 4-Line Decoders/Demultiplexers	2V to 6V	4	16SOIC, 16TSSOP		0.19
SN74AHCT138Q-Q1	3-Line to 8-Line Decoders/Demultiplexers	4.5V to 5.5V	8	16SOIC, 16TSSOP		0.23

## Voltage Level Translation

Dual Supply Translators View the complete portfolio parametric table						
Device	Description	V <sub>CC</sub>	Bits (#)	Package	Sample	1k Price (\$)
SN74AVC2T45-Q1	Dual-Bit, Dual-Supply Bus Transceiver with Config Voltage Translation and 3-State	1.2V to 3.6V	2	8US8		0.60
SN74AVC4T245-Q1	4-Bit, Dual-Supply Bus Transceiver with Configurable Voltage Translation and 3-Sta	1.2V to 3.6V	4	16VQFN		0.40
SN74AVC8T245-Q1	8-Bit, Dual-Supply Bus Transceiver w/ Configurable Voltage Transl., 3-State Output	1.2V to 3.6V	8	24TSSOP, 24VQFN		1.15
SN74AVC16T245-Q1	16-Bit, Dual-Supply Bus Transceiver With Configurable Voltage Translation	1.2V to 3.6V	16	48TSSOP		1.75
SN74AVCB164245-Q1	16-Bit, Dual-Supply Bus Transceiver w/ Config Voltage Translation, 3-State output	1.4V to 3.6V	16	48TSSOP		3.55
TXB0104-Q1	6-Bit, Bidirectional Voltage-Level Translator with Auto Direction Sensing	1.2V to 5.5V	4	14TSSOP, 14VQFN		0.65
TXB0106-Q1	6-Bit, Bidirectional Voltage-Level Translator with Auto Direction Sensing	1.2V to 5.5V	6	16TSSOP		0.75
TXS0104E-Q1	4-Bit, Bidirectional Voltage-Level Translator for Open-Drain Applications	1.65V to 5.5V	4	14TSSOP		0.78
SN74LVC1T45-Q1	Single-Bit, Dual-Supply Bus Transceiver with Configurable Voltage Translation and	1.65V to 5.5V	1	6SC70		0.19
SN74LVC2T45-Q1	Dual-Bit, Dual Supply Transceiver with Configurable Voltage Translation	1.65V to 5.5V	2	8US8		0.29
SN74LVC8T245-Q1	8-Bit, DI-Sply Bus Trans. with Voltage Translation and Three-State Outputs	1.65V to 5.5V	8	24TSSOP		0.52
CD40109B-Q1	CMOS, Quad, Low-to-High Voltage Level Shifter (20V Rating)	3V to 18V	4	16SO		0.35

Application Specifics View the complete portfolio parametric table						
Device	Description	V <sub>CC</sub>	Bits (#)	Package	Sample	1k Price (\$)
TWL1200-Q1	SDIO, UART, and Audio Voltage-Translation Transceiver	1.1V to 3.6V	19	48TQFP		1.75

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