

Part Number	Description	SubFamily	Static Current	tpd max(ns)	No. of Bits	Pin/Package	Approx. Price (US\$)	VCCA_Max(V)
SN74LVC1T45-Q1	Automotive Catalog Single-Bit Dual-Supply Bus Transceiver with Configurable Voltage Translation and	Direction Control Dual Supply Translator	0.02	3.9	1	6SC70	0.19 1ku	5.5
SN74AUP1T34	1-Bit Unidirectional Voltage-Level Translator	Direction Control Dual Supply Translator			2	5SC70, 6SON	0.24 1ku	3.6
TXB0302	2-BIT BIDIRECTIONAL VOLTAGE-LEVEL TRANSLATOR	Auto Direction Sensing Dual Supply Translator			2	8X2SON	0.39 1ku	3.6
TXB0304	4-bit Bidirectional Auto-direction Sensing Translator with Fully Symmetric 0.9V to 3.6V Range	Auto Direction Sensing Dual Supply Translator			4	12UQFN, 16UQFN	0.55 1ku	3.6
SN74AVC4T234	4-Bit Dual-Supply Bus Transceiver With Config Voltage Translation	Direction Control Dual Supply Translator	0.016	3.6	4	11uCSP	0.60 1ku	3.6
SN74AVC8T245-Q1	Automotive Catalog 8-Bit Dual-Supply Bus Transceiver w/ Configurable Voltage Transl., 3-State Output	Direction Control Dual Supply Translator	0.025	2.5	8	24QFN, 24TSSOP	1.75 1ku	3.6
SN74AVCH4T245-EP	Enhanced Product 4-Bit Dual-Supply Bus Transc. w/ Configurable Voltage Transc. and 3-State Outputs	Direction Control Dual Supply Translator	0.016	6.9	4	16UQFN	1.40 100u	3.6
SN74LVC8T245-EP	Enhanced Product 8-Bit Dual-Supply Bus Transc. w/ Configurable Voltage Transl., and 3-State Outputs	Direction Control Dual Supply Translator	0.025	8.2	8	24TSSOP	1.45 100u	5.5

SN74LVCH16T245-EP	Enhanced Product 16-Bit Dual-Supply Bus Transc., Configurable Voltage Translation, 3-State Outputs	Direction Control Dual Supply Translator	0.03	8.2	16	48TSSOP, 48TVSOP	2.10 100u	5.5
SN74LVC1T45-EP	Enhanced Product Single-Bit Dual-Supply Bus Transc., Configurable Voltage Transl. , 3-State Outputs	Direction Control Dual Supply Translator	0.004	6.9	1	6SC70	0.55 100u	5.5
SN74LVC2T45-EP	Enhanced Product Dual-Bit Dual Supply Transceiver w/ Configurable Voltage Transl., 3-State Outputs	Direction Control Dual Supply Translator	0.004	7.9	2	8SM8	0.75 100u	5.5
CD4504B-EP	CMOS Hex Voltage-Level Shifter for TTL-to-CMOS or CMOS-to-CMOS Operation	Direction Control Dual Supply Translator	0.6	550	6	16TSSOP	0.85 100u	18
TXB0106	6-Bit Bidirectional Voltage-Level Translator with Auto Direction Sensing and +/-15-kV ESD Protect	Auto Direction Sensing Dual Supply Translator			6	16TSSOP, 16VQFN	0.70 1ku	3.6
SN74AVC16T245-Q1	Automotive Catalog 16-Bit Dual-Supply Bus Transceiver With Configurable Voltage Translation	Direction Control Dual Supply Translator	0.06	5	16	48TVSOP	1.75 1ku	3.6
SN74AVC2T245	Dual-Bit, 2-DIR pin Dual-Supply Bus Transceiver w/ Configurable Voltage Translation. 3-State Output	Direction Control Dual Supply Translator	0.016	2.4	2	10UQFN	0.40 1ku	3.6
SN74AVC4T774	4-Bit Dual-Supply Bus Transceiver With Configurable Voltage Translation and 3-State Outputs	Direction Control Dual Supply Translator	0.016	2.4	4	16TSSOP, 16VQFN, 16UQFN	0.50 1ku	3.6

TXS0101	1-Bit Bidirectional Voltage-Level Translator for Open-Drain Application	Auto Direction Sensing Dual Supply Translator, Direction Control Dual Supply Translator			1	6DSBGA, 6SC70, 6SOT, 6SOT-23	0.21 1ku	3.6
TXB0101	1-Bit Bidirectional Voltage-Level Translator With Auto Direction Sensing and +/-15-kV ESD Protect	Auto Direction Sensing Dual Supply Translator			1	6DSBGA, 6SC70, 6SOT, 6SOT-23	0.27 1ku	3.6
TXS0102	2-Bit Bidirectional Voltage-Level Translator for Open-Drain Application	Auto Direction Sensing Dual Supply Translator			2	8DSBGA, 8SM8, 8US8, 8X2SON	0.33 1ku	3.6
TXB0104	4-Bit Bidirectional Voltage-Level Translator with Auto Direction Sensing and +/-15 kV ESD Protect	Auto Direction Sensing Dual Supply Translator			4	12BGA MICROSTAR JUNIOR, 12DSBGA, 12UQFN, 14SOIC, 14TSSOP, 14VOFN	0.55 1ku	3.6
TXB0108	8-Bit Bidirectional Voltage-Level Translator with Auto Direction Sensing and +/-15-kV ESD Protect	Auto Direction Sensing Dual Supply Translator			8	20BGA MICROSTAR JUNIOR, 20DSBGA, 20TSSOP, 20USON, 20VOFN	0.80 1ku	3.6
SN74AVCH2T45	Dual-Bit Dual-Supply Bus Transceiver With Configurable Voltage Translation Aan 3-State Outputs	Direction Control Dual Supply Translator	0.02	2.4	2	8DSBGA, 8SM8, 8US8	0.40 1ku	3.6
SN74AVCH24T245	24-Bit Dual-Supply Bus Transceiver with Configurable Voltage Translation and 3-State Outputs	Direction Control Dual Supply Translator	0.075	2.7	24	83BGA MICROSTAR JUNIOR	1.75 1ku	3.6
SN74ALVC164245-EP	Enhanced Product 16-Bit 2.5-V To 3.3-V/3.3-V To 5-V Level Shifting Transceiver, 3-State	Direction Control Dual Supply Translator	0.04	6.8	16	48SSOP, 48TSSOP	1.85 100u	3.6

SN74AVCH16T245	16-Bit Dual Supply Bus Transceiver with Configurable Voltage Translation and 3-State Outputs	Direction Control Dual Supply Translator	0.045	2.7	16	48TSSOP, 48TVSOP, 56BGA MICROSTAR JUNIOR	1.50 1ku	3.6
SN74LVCC3245A-EP	Enhanced Product Octal Bus Transceiver With Adjustable Output Voltage And 3-State Outputs	Direction Control Dual Supply Translator	0.13	7.1	8	24SOIC, 24SSOP, 24TSSOP	1.10 100u	3.6
SN74AVCH1T245	Single-Bit Dual-Supply Bus Transceiver with Configurable Voltage Translation and 3-State Outputs	Direction Control Dual Supply Translator	0.02	2.8	1	6DSBGA, 6SC70, 6SOT-23	0.22 1ku	3.6
SN74LVC8T245	8-Bit Dual-Supply Bus Transceiver with Configurable Voltage Translation and Three-State Outputs	Direction Control Dual Supply Translator	0.025	4.2	8	24QFN, 24SO, 24SOIC, 24SSOP, 24TSSOP, 24TVSOP	0.46 1ku	5.5
SN74AVC4T245	4-Bit Dual-Supply Bus Transceiver with Configurable Voltage Translation and 3-State Outputs	Direction Control Dual Supply Translator	0.016	2.9	4	16SOIC, 16SSOP, 16TSSOP, 16VQFN, 16TVSOP, 16UQFN	0.35 1ku	3.6
SN74AVCH4T245	4-Bit Dual-Supply Bus Transceiver with Configurable Voltage Translation and 3-State Outputs	Direction Control Dual Supply Translator	0.016	2.9	4	16SOIC, 16TSSOP, 16TVSOP, 16UQFN, 16VQFN	0.35 1ku	3.6
SN74AVCH8T245	8-Bit Dual-Supply Bus Transceiver with Configurable Voltage Translation and 3-State Outputs	Direction Control Dual Supply Translator	0.016	2.5	8	24QFN, 24TSSOP, 24TVSOP	0.50 1ku	3.6

SN74AVC16T245	16-Bit Dual-Supply Bus Transceiver with Configurable Voltage Translation and 3-State Outputs	Direction Control Dual Supply Translator	0.045	5	16	48TSSOP, 48TVSOP, 56BGA MICROSTAR JUNIOR	1.50 1ku	3.6
SN74AVC24T245	24-Bit Dual-Supply Bus Transceiver with Configurable Voltage Translation and 3-State Outputs	Direction Control Dual Supply Translator	0.075	2.7	24	83BGA MICROSTAR JUNIOR	1.75 1ku	3.6
SN74AVC32T245	32-Bit Dual-Supply Bus Transceiver with Configurable Voltage Translation and 3-State Outputs	Direction Control Dual Supply Translator	0.09	2.7	32	96BGA MICROSTAR JUNIOR, 96LFBGA	1.80 1ku	3.6
SN74AVCBH324245	32-Bit Dual-Supply Bus Transceiver with Configurable Voltage Translation and 3-State Outputs	Direction Control Dual Supply Translator	0.08	2.7	32	96LFBGA	5.75 1ku	3.6
SN74LVC4245A-EP	Enhanced Product Octal Bus Transceiver And 3.3-V To 5-V Shifter With 3-State Outputs	Direction Control Dual Supply Translator	0.13	6.7	8	24TSSOP	0.95 100u	5.5
SN74AVC1T45	Single-Bit Dual-Supply Bus Transceiver with Configurable Voltage Translation and 3-State Outputs	Direction Control Dual Supply Translator	0.02	2.8	1	6DSBGA, 6SC70, 6SOT, 6SOT-23	0.19 1ku	3.6
SN74AVC2T45	Dual-Bit Dual-Supply Bus Transceiver with Configurable Voltage Translation and 3-State Outputs	Direction Control Dual Supply Translator	0.02	2.4	2	8DSBGA, 8SM8, 8US8	0.23 1ku	3.6

SN74AVC20T245	20-Bit Dual Supply Bus Transceiver with Configurable Voltage Translation and 3-State Outputs	Direction Control Dual Supply Translator	0.035	2.9	20	56BGA MICROSTAR JUNIOR, 56TSSOP, 56TVSOP	1.60 1ku	3.6
SN74AVC8T245	8-Bit Dual-Supply Bus Transceiver with Configurable Voltage Translation and 3-State Outputs	Direction Control Dual Supply Translator	0.025	2.5	8	24QFN, 24TSSOP, 24TVSOP	0.55 1ku	3.6
SN74LVC1T45	Single-Bit Dual-Supply Bus Transceiver with Configurable Voltage Translation and 3-State Outputs	Auto Direction Sensing Dual Supply Translator, Direction Control Dual Supply Translator, Voltage Level Translation	0.004	3.9	1	6DSBGA, 6SC70, 6SOT, 6SOT-23, 6USON	0.17 1ku	5.5
SN74LVC2T45	Dual-Bit Dual Supply Transceiver with Configurable Voltage Translation and 3-State Outputs	Direction Control Dual Supply Translator	0.004	3.9	2	8DSBGA, 8SM8, 8US8	0.25 1ku	5.5
SN74AVCH20T245	20-BIT DUAL-SUPPLY BUS TRANSCEIVER WITH CONFIGURABLE VOLTAGE TRANSLATION AND 3-STATE OUTPUTS	Direction Control Dual Supply Translator	0.065	2.9	20	56BGA MICROSTAR JUNIOR, 56TSSOP, 56TVSOP	1.60 1ku	3.6
SN74AVCB324245	32-BIT DUAL-SUPPLY BUS TRANSCEIVER WITH CONFIGURABLE VOLTAGE TRANSLATION AND 3-STATE OUTPUTS	Direction Control Dual Supply Translator	0.08	2.8	32	96LFBGA	2.75 1ku	3.3
CD40109B	CMOS Quad Low-to-High Voltage Level Shifter (20V Rating)	Direction Control Dual Supply Translator	0.6	100	4	16PDIP, 16SO, 16TSSOP	0.28 1ku	18
CD40109B-MIL	CMOS Quad Low-to-High Voltage Level Shifter (20V Rating)	Direction Control Dual Supply Translator	0.6	600	4	0WAFERSALE, 16CDIP	5.65 100u	18

CD4504B	CMOS Hex Voltage-Level Shifter for TTL-to-CMOS or CMOS-to-CMOS Operation	Direction Control Dual Supply Translator	0.12	2.9	32	16PDIP, 16SOIC, 16TSSOP	0.31 1ku	18
CD4504B-MIL	CMOS Hex Voltage-Level Shifter for TTL-to-CMOS or CMOS-to-CMOS Operation	Direction Control Dual Supply Translator	0.6	550		16CDIP	7.05 100u	18
SN74LVCC4245A	Octal Bus Transceiver With Adjustable Output Voltage and 3-State Outputs	Direction Control Dual Supply Translator	0.08	2.7	8	24SO, 24SOIC, 24SSOP, 24TSSOP	0.77 1ku	5.5
CD40109B-Q1	Automotive catalog CMOS Quad Low-to-High Voltage Level Shifter (20V Rating)	Direction Control Dual Supply Translator	0.02	600	4	16SO	0.35 1ku	18
SN74ALVC164245	16-Bit 2.5-V to 3.3-V/3.3-V To 5-V Level Shifting Transceiver With 3-State Outputs	Direction Control Dual Supply Translator	0.04	2.4	16	48SSOP, 48TSSOP, 54BGA MICROSTAR JUNIOR, 56BGA MICROSTAR JUNIOR	1.45 1ku	3.3
SN74AVC2T244	Dual-Bit Dual-Supply Bus Transceiver	Direction Control Dual Supply Translator	0.005	3.7	2	8X2SON	0.42 1ku	3.6
SN74AVC2T45-Q1	Automotive Catalog Dual-Bit Dual-Supply Bus Transceiver with Config Voltage Translation and 3-State	Direction Control Dual Supply Translator	0.02	2.4	2	8US8	0.60 100u	3.6
SN74AVC4T245-Q1	Automotive Catalog 4-Bit Dual-Supply Bus Transceiver with Configurable Voltage Translation and 3-Sta	Direction Control Dual Supply Translator	0.016	2.9	4	16VQFN	0.40 1ku	3.6
SN74AVCA164245	16-Bit Dual-Supply Bus Transceiver W/Configurable Voltage Translation and 3-State	Direction Control Dual Supply Translator	0.04	2.4	16	48TSSOP, 48TVSOP, 56BGA MICROSTAR JUNIOR	1.50 1ku	3.6
SN74AVCAH164245	16-Bit Dual-Supply Bus Transceiver W/Configurable Voltage Translation	Direction Control Dual Supply Translator	0.04	2.7	16	48TSSOP, 48TVSOP, 56BGA MICROSTAR JUNIOR	1.50 1ku	3.6

SN74AVCB164245	16-Bit Dual-Supply Bus Transceiver w/ Config. Xlation and 3-State Outputs	Direction Control Dual Supply Translator	0.04	5	16	48TSSOP, 48TVSOP, 54BGA MICROSTAR JUNIOR, 56BGA	3.10 1ku	3.3
SN74AVCB164245-Q1	Automotive Catalog 16-Bit Dual-Supply Bus Transceiver	Direction Control Dual Supply Translator	0.04	7.6	16	48TSSOP	3.55 1ku	3.6
SN74AVCBH164245	16-Bit Dual-Supply Bus Xcvt w/ Config. Voltage Xlation and 3-State Outputs	Direction Control Dual Supply Translator	0.04	2.9	16	48TVSOP, 48TSSOP, 56BGA MICROSTAR JUNIOR	1.60 1ku	3.3
SN74LVC2T45-Q1	Automotive Catalog Dual-Bit Dual Supply Transceiver with Configurable Voltage Translation	Direction Control Dual Supply Translator	0.004	3.9	2	8US8	0.29 1ku	5.5
SN74LVC4245A	Octal Bus Transceiver And 3.3-V To 5-V Shifter With 3-State Outputs	Direction Control Dual Supply Translator	0.08	3.7	8	24SOIC, 24SSOP, 24TSSOP	0.70 1ku	5.5
SN74LVC8T245-Q1	Automotive Catalog 8-Bit DLSupply Bus Trans. with Voltage Translation and Three-State Outputs	Direction Control Dual Supply Translator	0.04	8.2	8	24TSSOP	0.55 1ku	5.5
SN74LVCC3245A	Octal Bus Transceiver With Adjustable Output Voltage and 3-State Outputs	Direction Control Dual Supply Translator	0.08	2.4	8	24SO, 24SOIC, 24SSOP, 24TSSOP	0.77 1ku	3.6
SN74LVCC4245A-EP	Enhanced Product Octal Dual-Supply Bus Transceiver W/Configurable Output Voltage And 3S Out	Direction Control Dual Supply Translator	0.16	7.1	8	24TSSOP	1.45 100u	5.5
SN74LVCH16T245	SN74LVCH16T245	Direction Control Dual Supply Translator	0.03	6	16	48SSOP, 48TSSOP, 48TVSOP, 56BGA MICROSTAR JUNIOR	1.00 1ku	5.5
TXB0102	2-Bit Bidirectional Voltage-Level Translator with Auto Direction Sensing and +/-15-kV ESD Protect	Auto Direction Sensing Dual Supply Translator			2	8DSBGA, 8US8	0.39 1ku	3.6

TXB0104-Q1	Automotive catalog 4-Bit Bidirectional Voltage-Level Translator with Auto Direction Sensing and +/-1	Auto Direction Sensing Dual Supply Translator			4	14TSSOP, 14VQFN	0.65 1ku	3.6
TXB0106-Q1	Automotive Catalog 6-Bit Bidirectional Voltage-Level Translator with Auto Direction Sensing and +/-1	Auto Direction Sensing Dual Supply Translator			6	16TSSOP	0.75 1ku	3.6
TXS0104E	4-Bit Bidirectional Voltage-Level Translator for Open-Drain Applications	Auto Direction Sensing Dual Supply Translator			4	12BGA MICROSTAR JUNIOR, 12DSBGA, 14SOIC, 14TSSOP,	0.65 1ku	3.6
TXS0108E	8-Bit Bidirectional Voltage-Level Translator For Open-Drain And Push-Pull Application	Auto Direction Sensing Dual Supply Translator			8	20BGA MICROSTAR JUNIOR, 20TSSOP, 20VQFN	0.80 1ku	3.6
TXS0302	2-Bit Bidirectional Voltage-Level Translator for Open-Drain Applications	Auto Direction Sensing Dual Supply Translator			2	8X2SON		3.6