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Якутск (4112)23-90-97
Ярославль (4852)69-52-93

Россия +7(495)268-04-70

Казахстан +7(7172)727-132

Киргизия +996(312)96-26-47

эл.почта: agu@nt-rt.ru || сайт: <https://analog.nt-rt.ru/>

Data Path Management

Parts	Description	Product Lifecycle	High Speed Logic Function	Data Rate ^{max}	Signal Type - Rx	Signal Type - Tx	# Rx Channels	# Tx Channels ^{typ}	Logic Features
MAX31914	Ultra-Low Power Industrial, Octal, Digital Input Translator	PRODUCTION	Logic Level Translators	-	-	-	-	-	-
MAX31915	Industrial, Octal, Digital Input Translator	PRODUCTION	Logic Level Translators	-	-	-	-	-	-
MAX31912	Ultra-Low Power Industrial, Octal, Digital Input Translator/Serializer	PRODUCTION	Logic Level Translators, Serializer/De-Serializer	-	-	-	-	-	-
ADN4612	11.3 Gbps 12 × 12 Digital Crosspoint Switch	RECOMMENDED FOR NEW DESIGNS	Crosspoint Switch	11.3G	-	-	-	-	-
MAX14611	Quad Bidirectional Low-Voltage Logic-Level Translator	PRODUCTION	Logic Level Translators	20M	-	-	4	4	Bidirectional, CMOS/ Push-Pull Drive, Open Drain Drive
MAX14591	High-Speed, Open-Drain Capable Logic-Level Translator	PRODUCTION	Logic Level Translators	16M	-	-	2	2	Bidirectional, Open Drain Drive
MAX14595	High-Speed, Open-Drain Capable Logic-Level Translator	PRODUCTION	Logic Level Translators	16M	-	-	2	2	Bidirectional, Open Drain Drive
ADN4605	X-Stream™ 4.25 Gbps 40 × 40 Digital Crosspoint Switch	PRODUCTION	Crosspoint Switch	4.25G	-	-	-	-	-
MAX13055E	1.62V to 3.6V, 8-Channel, High-Speed LLT	PRODUCTION	Logic Level Translators	100M	-	-	8	8	Bidirectional, CMOS/ Push-Pull Drive
MAX13058E	1.62V to 3.6V, 8-Channel, High-Speed LLT	PRODUCTION	Logic Level Translators	100M	-	-	8	8	Bidirectional, CMOS/ Push-Pull Drive
ADN4604	X-STREAM™ 4.25 Gbps, 16 × 16, Digital Crosspoint Switch	PRODUCTION	Crosspoint Switch	4.25G	-	-	-	-	-
AD8155	6.5 Gbps Dual Buffer Mux/Demux	PRODUCTION	Buffer Mux/Demux	6.5G	-	-	-	-	-

	Description	Product Lifecycle	High Speed Logic Function	Data Rate ^{max}	Signal Type - Rx	Signal Type - Tx	# Rx Channels	# Tx Channels ^{typ}	Logic Features
MAX4895E	VGA Port Protector	PRODUCTION	VGA Port Protector	-	-	-	-	-	-
ADN8102	X-stream™ 3.75 Gbps Quad Bidirectional CX4 Equalizer	NOT RECOMMENDED FOR NEW DESIGNS	Crosspoint Switch	3.75G	-	-	-	-	-
AD8158	6.5 Gbps Quad Buffer Mux/Demux	PRODUCTION	Buffer Mux/Demux	6.5G	-	-	-	-	-
MAX13046E	Single- and Dual-Bidirectional Low-Level Translator	PRODUCTION	Logic Level Translators	8M	-	-	1	1	Bidirectional, CMOS/ Push-Pull Drive, Open Drain Drive
MAX13047E	Single- and Dual-Bidirectional Low-Level Translator	PRODUCTION	Logic Level Translators	16M	-	-	2	2	Bidirectional, CMOS/ Push-Pull Drive, Open Drain Drive
ADN4600	X-Stream™ 4.25 Gbps 8 × 8 Digital Crosspoint Switch	PRODUCTION	Crosspoint Switch	4.25G	-	-	-	-	-
AD8153	Single-Lane 3.2 G 2:1 Mux / 1:2 Demux Switch with Input Equalization and Output Pre-Emphasis	PRODUCTION	Buffer Mux/Demux	3.2G	-	-	-	-	-
ADG3248	2.5 V/3.3 V, 2:1 Multiplexer/ Demultiplexer Bus Switch	PRODUCTION	Level Translation, Serializer/De-Serializer	1.244G	-	-	2	1	-
ADG3308	Low Voltage, 1.15 V to 5.5 V, 8-Channel Bidirectional Logic Level Translator	PRODUCTION	Level Translation	50M	-	-	8	8	-
ADG3308-1	Low Voltage, 1.15 V to 5.5 V, 8-Channel Bidirectional Logic Level Translators	PRODUCTION	Level Translation	50M	-	-	8	8	-
ADG3300	Low Voltage 1.15 V to 5.5 V, 8-Channel Bidirectional Logic Level Translator	PRODUCTION	Level Translation	50M	-	-	8	8	-
AD8156	6.25 Gbps, 4 × 4, Digital Crosspoint Switch with EQ	NOT RECOMMENDED FOR NEW DESIGNS	Crosspoint Switch	6.25G	-	-	-	-	-

	Description	Product Lifecycle	High Speed Logic Function	Data Rate ^{max}	Signal Type - Rx	Signal Type - Tx	# Rx Channels	# Tx Channels ^{typ}	Logic Features
AD8159	3.2 Gbps Quad Buffer Mux/Demux	PRODUCTION	Buffer Mux/Demux	3.2G	-	-	-	-	-
MAX13042E	1.62V to 3.6V Improved High-Speed LLT	PRODUCTION	Logic Level Translators	100M	-	-	4	4	Bidirectional, CMOS/ Push-Pull Drive
MAX3397E	Dual Bidirectional Low-Level Translator in µDFN	PRODUCTION	Logic Level Translators	16M	-	-	2	2	Bidirectional, CMOS/ Push-Pull Drive
MAX13030E	6-Channel High-Speed Logic-Level Translators	PRODUCTION	Logic Level Translators	100M	-	-	6	6	Bidirectional, CMOS/ Push-Pull Drive
MAX13032E	6-Channel High-Speed Logic-Level Translators	PRODUCTION	Logic Level Translators	100M	-	-	6	6	Bidirectional, CMOS/ Push-Pull Drive
MAX13035E	6-Channel High-Speed Logic-Level Translators	RECOMMENDED FOR NEW DESIGNS	Logic Level Translators	100M	-	-	6	6	Bidirectional, CMOS/ Push-Pull Drive
MAX6618	PECL-to-I ² C Translator	PRODUCTION	Level Translator	-	-	-	-	-	-
MAX6621	PECL-to-I ² C Translator	PRODUCTION	Level Translator	-	-	-	-	-	-
AD8152	34 × 34, 3.2 Gbps Asynchronous Digital Crosspoint Switch	PRODUCTION	Crosspoint Switch	3.2G	-	-	-	-	-
ADG3242	2.5 V/3.3 V, 2-Bit, Common Control Level Translator Bus Switch	PRODUCTION	Level Translation	1.5G	-	-	2	2	-
ADG3243	2.5 V/3.3 V, 2-Bit, Individual Control Level Translator Bus Switch	PRODUCTION	Level Translation	1.5G	-	-	2	2	-
ADG3245	2.5 V/3.3 V, 8 Bit, 2 Port Level Translator, Bus Switch	PRODUCTION	Level Translation	1.244G	-	-	8	8	-
ADG3246	2.5 V/3.3 V, 10 Bit, 2 Port Level Translator, Bus Switch	PRODUCTION	Level Translation	1.244G	-	-	10	10	-
ADG3247	2.5 V/3.3 V, 16-Bit, 2-Port Level Translating, Bus Switch	PRODUCTION	Level Translation	1.244G	-	-	16	16	-

	Description	Product Lifecycle	High Speed Logic Function	Data Rate ^{max}	Signal Type - Rx	Signal Type - Tx	# Rx Channels	# Tx Channels ^{typ}	Logic Features
ADG3233	Low Voltage 1.65 V to 3.6 V, (Up/Down) Logic Level Translation, Bypass Switch	PRODUCTION	By-Pass SW, Level Translation	10M	-	-	2	1	-
ADG3301	Low Voltage 1.15 V to 5.5 V, Single-Channel Bidirectional Logic Level Translator	PRODUCTION	Level Translation	50M	-	-	1	1	-
ADG3304	Low Voltage 1.15 V to 5.5 V, 4 Channel, Bidirectional, Logic Level Translator	PRODUCTION	Level Translation	50M	-	-	4	4	-
ADG3123	8 Channel CMOS Logic to High-Voltage Level Translator	PRODUCTION	Level Translation	200k	-	-	8	8	-
MAX3394E	±15kV ESD-Protected, High-Drive Current, Dual-/Quad-/Octal-Level Translators with Speed-Up Circuitry	PRODUCTION	Logic Level Translators	6M	-	-	2	2	Bidirectional, CMOS/ Push-Pull Drive, Open Drain Drive
MAX3395E	±15kV ESD-Protected, High-Drive Current, Dual-/Quad-/Octal-Level Translators with Speed-Up Circuitry	PRODUCTION	Logic Level Translators	6M	-	-	4	4	Bidirectional, CMOS/ Push-Pull Drive, Open Drain Drive
MAX13003E	Ultra-Low-Voltage Level Translators	PRODUCTION	Logic Level Translators	20M	-	-	6	6	Bidirectional, CMOS/ Push-Pull Drive, Open Drain Drive
ADG3257	High Speed, 3.3 V/5 V Quad 2:1 Mux/Demux (4-Bit, 1 of 2) Bus Switch	PRODUCTION	Level Translation, Serializer/De-Serializer	933M	-	-	2	4	-
ADG3231	Single-Channel Level Translator with Bi-directional 1.65 V to 3.6 V Level Shift	PRODUCTION	Level Translation	10M	-	-	1	1	-
ADG3241	2.5 V/3.3 V, 1 - Bit, 2 - Port Level Translator Bus Switch	PRODUCTION	Level Translation	1.5G	-	-	1	1	-
MAX13013	+1.2V to +3.6V, 0.1µA, 100Mbps, Single-/Dual-/Quad-Level Translators	PRODUCTION	Logic Level Translators	100M	-	-	1	1	Bidirectional, CMOS/ Push-Pull Drive

	Description	Product Lifecycle	High Speed Logic Function	Data Rate ^{max}	Signal Type - Rx	Signal Type - Tx	# Rx Channels	# Tx Channels ^{typ}	Logic Features
MAX13014	+1.2V to +3.6V, 0.1µA, 100Mbps, Single-/Dual-/Quad-Level Translators	PRODUCTION	Logic Level Translators	100M	-	-	2	2	Bidirectional, CMOS/ Push-Pull Drive
MAX3023	+1.2V to +3.6V, 0.1µA, 100Mbps, Single-/Dual-/Quad-Level Translators	PRODUCTION	Logic Level Translators	100M	-	-	4	4	Bidirectional, CMOS/ Push-Pull Drive
MAX3013	+1.2V to +3.6V, 0.1µA, 100Mbps, 8-Channel Level Translators	PRODUCTION	Logic Level Translators	100M	-	-	8	8	Bidirectional, CMOS/ Push-Pull Drive
MAX9376	LVDS/Anything-to-LVPECL/LVDS Dual Translator	PRODUCTION	Level Translator	-	CML, HSTL, LVDS, LVPECL	LVDS, LVPECL	2	2	Anything Inputs, Flow-Through Pinout
MAX9375	Single LVDS/Anything-to-LVPECL Translator	PRODUCTION	Level Translator	-	CML, HSTL, LVDS, LVPECL	LVPECL	1	1	Anything Inputs, Flow-Through Pinout
MAX9377	Anything-to-LVPECL/LVDS Translators with Pin-Selectable Divide-by-Four	PRODUCTION	Level Translator	-	CML, HSTL, LVDS, LVPECL	LVPECL	1	1	Anything Inputs, Flow-Through Pinout
MAX9378	Anything-to-LVPECL/LVDS Translators with Pin-Selectable Divide-by-Four	PRODUCTION	Level Translator	-	CML, HSTL, LVDS, LVPECL	LVDS	1	1	Anything Inputs, Flow-Through Pinout
MAX9174	670MHz LVDS-to-LVDS and Anything-to-LVDS 1:2 Splitters	PRODUCTION	Fan-Out Buffer	800M	LVDS	LVDS	1	2	Fail-Safe Inputs, Low Power Shutdown Mode, Power-Down Inputs Tolerate Undershoot/Overshoot, Rx/Tx Hi-Z at Power-Off
MAX9175	670MHz LVDS-to-LVDS and Anything-to-LVDS 1:2 Splitters	PRODUCTION	Fan-Out Buffer	800M	CML, HSTL, LVDS, LVPECL	LVDS	1	2	Anything Inputs, Low Power Shutdown Mode, Power-Down Inputs Tolerate Undershoot/Overshoot, Rx/Tx Hi-Z at Power-Off
MAX3000E	+1.2V to +5.5V, ±15kV ESD-Protected, 0.1µA, 35Mbps, 8-Channel Level Translators	PRODUCTION	Logic Level Translators	230k	-	-	8	8	Bidirectional, CMOS/ Push-Pull Drive

	Description	Product Lifecycle	High Speed Logic Function	Data Rate ^{max}	Signal Type - Rx	Signal Type - Tx	# Rx Channels	# Tx Channels ^{typ}	Logic Features
MAX3001E	+1.2V to +5.5V, ±15kV ESD-Protected, 0.1µA, 35Mbps, 8-Channel Level Translators	PRODUCTION	Logic Level Translators	4M	-	-	8	8	Bidirectional, CMOS/ Push-Pull Drive
MAX3002	+1.2V to +5.5V, ±15kV ESD-Protected, 0.1µA, 35Mbps, 8-Channel Level Translators	PRODUCTION	Logic Level Translators	20M	-	-	8	8	Bidirectional, CMOS/ Push-Pull Drive
MAX3004	+1.2V to +5.5V, ±15kV ESD-Protected, 0.1µA, 35Mbps, 8-Channel Level Translators	PRODUCTION	Logic Level Translators	20M	-	-	8	8	CMOS/ Push-Pull Drive, Unidirectional
MAX3006	+1.2V to +5.5V, ±15kV ESD-Protected, 0.1µA, 35Mbps, 8-Channel Level Translators	PRODUCTION	Logic Level Translators	20M	-	-	8	8	CMOS/ Push-Pull Drive, Unidirectional
MAX3008	+1.2V to +5.5V, ±15kV ESD-Protected, 0.1µA, 35Mbps, 8-Channel Level Translators	PRODUCTION	Logic Level Translators	20M	-	-	8	8	CMOS/ Push-Pull Drive, Unidirectional
MAX3012	+1.2V to +5.5V, ±15kV ESD-Protected, 0.1µA, 35Mbps, 8-Channel Level Translators	PRODUCTION	Logic Level Translators	20M	-	-	8	8	CMOS/ Push-Pull Drive, Unidirectional
MAX9169	4-Port LVDS and LVTTTL-to-LVDS Repeaters	PRODUCTION	Fan-Out Buffer	630M	LVDS	LVDS	1	4	Fail-Safe Inputs
MAX9173	Quad LVDS Line Receiver with Flow-Through Pinout and "In-Path" Fail-Safe	PRODUCTION	Level Translator	500M	LVDS	LVC MOS, LVTTTL	4	4	Flow-Through Pinout, Inline Fail-Safe
MAX9172	Single/Dual LVDS Line Receivers with "In-Path" Fail-Safe	PRODUCTION	Level Translator	500M	LVDS	CMOS, LVTTTL	2	2	Flow-Through Pinout, Inline Fail-Safe
MAX9310	1:5 Clock Driver with Selectable LVPECL Inputs and LVDS Outputs	PRODUCTION	Fan-Out Buffer, Level Translator	-	HSTL, LVPECL	LVDS	2	5	Differential Input Mux, Fail-Safe Inputs
MAX9310A	1:5 Clock Driver with Selectable LVPECL Inputs/Single-Ended Inputs and LVDS Outputs	PRODUCTION	Fan-Out Buffer, Level Translator	-	HSTL, LVPECL	LVDS	2	5	Differential Input Mux, Fail-Safe Inputs

	Description	Product Lifecycle	High Speed Logic Function	Data Rate ^{max}	Signal Type - Rx	Signal Type - Tx	# Rx Channels	# Tx Channels ^{typ}	Logic Features
MAX9370	LVTTTL/TTL-to-Differential LVPECL/PECL Translators	PRODUCTION	Level Translator	-	CMOS, LVTTTL, TTL	LVPECL, PECL	2	2	Fail-Safe Inputs
MAX9371	LVTTTL/TTL-to-Differential LVPECL/PECL Translators	PRODUCTION	Level Translator	-	CMOS, LVTTTL, TTL	LVPECL, PECL	1	1	Fail-Safe Inputs
MAX9372	LVTTTL/TTL-to-Differential LVPECL/PECL Translators	PRODUCTION	Level Translator	-	CMOS, LVTTTL, TTL	LVPECL, PECL	2	2	Fail-Safe Inputs
MAX9320B	1:2 Differential PECL/ECL /LVPECL/LVECL Clock and Data Driver	PRODUCTION	Fan-Out Buffer	-	ECL, HSTL, LVECL, LVPECL, PECL	ECL, LVECL, LVPECL, PECL	1	2	Fail-Safe Inputs
MAX9374	Differential LVPECL-to-LVDS Translators	PRODUCTION	Level Translator	-	LVPECL	LVDS	1	1	Fail-Safe Inputs, Flow-Through Pinout
MAX9374A	Differential LVPECL-to-LVDS Translators	PRODUCTION	Level Translator	-	LVPECL	LVDS	1	1	Fail-Safe Inputs, Flow-Through Pinout
MAX3372E	±15kV ESD-Protected, 1µA, 16Mbps, Dual/Quad Low-Voltage Level Translators in UCSP	PRODUCTION	Logic Level Translators	230k	-	-	2	2	Bidirectional, CMOS/ Push-Pull Drive, Open Drain Drive
MAX3373E	±15kV ESD-Protected, 1µA, 16Mbps, Dual/Quad Low-Voltage Level Translators in UCSP	PRODUCTION	Logic Level Translators	16M	-	-	2	2	Bidirectional, CMOS/ Push-Pull Drive, Open Drain Drive
MAX3374E	±15kV ESD-Protected, 1µA, 16Mbps, Dual/Quad Low-Voltage Level Translators in UCSP	PRODUCTION	Logic Level Translators	16M	-	-	2	2	CMOS/ Push-Pull Drive, Open Drain Drive
MAX3375E	±15kV ESD-Protected, 1µA, 16Mbps, Dual/Quad Low-Voltage Level Translators in UCSP	PRODUCTION	Logic Level Translators	16M	-	-	2	2	CMOS/ Push-Pull Drive, Open Drain Drive
MAX3377E	±15kV ESD-Protected, 1µA, 16Mbps, Dual/Quad Low-Voltage Level Translators in UCSP	PRODUCTION	Logic Level Translators	230k	-	-	4	4	Bidirectional, CMOS/ Push-Pull Drive, Open Drain Drive

	Description	Product Lifecycle	High Speed Logic Function	Data Rate ^{max}	Signal Type - Rx	Signal Type - Tx	# Rx Channels	# Tx Channels ^{typ}	Logic Features
MAX3378E	±15kV ESD-Protected, 1µA, 16Mbps, Dual/Quad Low-Voltage Level Translators in UCSP	PRODUCTION	Logic Level Translators	16M	-	-	4	4	Bidirectional, CMOS/ Push-Pull Drive, Open Drain Drive
MAX3379E	±15kV ESD-Protected, 1µA, 16Mbps, Dual/Quad Low-Voltage Level Translators in UCSP	PRODUCTION	Logic Level Translators	16M	-	-	4	4	CMOS/ Push-Pull Drive, Open Drain Drive
MAX3390E	±15kV ESD-Protected, 1µA, 16Mbps, Dual/Quad Low-Voltage Level Translators in UCSP	PRODUCTION	Logic Level Translators	16M	-	-	4	4	CMOS/ Push-Pull Drive, Open Drain Drive
MAX3391E	±15kV ESD-Protected, 1µA, 16Mbps, Dual/Quad Low-Voltage Level Translators in UCSP	PRODUCTION	Logic Level Translators	16M	-	-	4	4	Bidirectional, CMOS/ Push-Pull Drive, Open Drain Drive
MAX3392E	±15kV ESD-Protected, 1µA, 16Mbps, Dual/Quad Low-Voltage Level Translators in UCSP	PRODUCTION	Logic Level Translators	16M	-	-	4	4	CMOS/ Push-Pull Drive, Open Drain Drive
MAX3393E	±15kV ESD-Protected, 1µA, 16Mbps, Dual/Quad Low-Voltage Level Translators in UCSP	PRODUCTION	Logic Level Translators	16M	-	-	4	4	CMOS/ Push-Pull Drive, Open Drain Drive
MAX9315	1:5 Differential LVPECL/LVECL/HSTL Clock and Data Driver	PRODUCTION	Fan-Out Buffer	-	HSTL, LVECL, LVPECL	LVECL, LVPECL	2	5	Differential Input Mux, Fail-Safe Inputs, Synchronous Output Enable
MAX9130	Single 500Mbps LVDS Line Receiver in SC70	PRODUCTION	Level Translator	-	LVDS	CMOS, LVTTTL	1	1	Fail-Safe Inputs, Rx Hi-Z at Power-Off
MAX9153	Low-Jitter, 800Mbps, 10-Port LVDS Repeaters with 100Ω Drive	PRODUCTION	Fan-Out Buffer	800M	LVDS	LVDS	1	10	Fail-Safe Inputs, Tx Hi-Z at Power-Off
MAX9129	Quad Bus LVDS Driver with Flow-Through Pinout	PRODUCTION	Level Translator	200M	CMOS, LVTTTL	LVDS	4	4	Flow-Through Pinout, Tx Hi-Z at Power-Off, Tx Hi-Z Enable Pins
MAX9121	Quad LVDS Line Receivers with Integrated Termination and Flow-Through Pinout	PRODUCTION	Level Translator	500M	LVDS	CMOS, LVTTTL	4	4	Fail-Safe Inputs, Flow-Through Pinout

	Description	Product Lifecycle	High Speed Logic Function	Data Rate ^{max}	Signal Type - Rx	Signal Type - Tx	# Rx Channels	# Tx Channels ^{typ}	Logic Features
MAX9122	Quad LVDS Line Receivers with Integrated Termination and Flow-Through Pinout	PRODUCTION	Level Translator	500M	LVDS	CMOS, LVTTTL	4	4	Fail-Safe Inputs, Flow-Through Pinout, Integrated Input Termination
MAX9311	1:10 Differential LVPECL/LVECL/HSTL Clock and Data Drivers	PRODUCTION	Fan-Out Buffer	-	HSTL, LVECL, LVPECL	LVECL, LVPECL	2	10	Differential Input Mux, Fail-Safe Inputs
MAX9312	Dual 1:5 Differential LVPECL/LVECL/HSTL Clock and Data Drivers	PRODUCTION	Fan-Out Buffer	-	HSTL, LVECL, LVPECL	LVECL, LVPECL	2	10	Fail-Safe Inputs
MAX9320	1:2 Differential LVPECL/LVECL/HSTL Clock and Data Drivers	PRODUCTION	Fan-Out Buffer	-	HSTL, LVECL, LVPECL	LVECL, LVPECL	1	2	Fail-Safe Inputs
MAX9320A	1:2 Differential LVPECL/LVECL/HSTL Clock and Data Drivers	PRODUCTION	Fan-Out Buffer	-	HSTL, LVECL, LVPECL	LVECL, LVPECL	1	2	Fail-Safe Inputs
MAX9123	Quad LVDS Line Driver with Flow-Through Pinout	PRODUCTION	Level Translator	800M	CMOS, LVTTTL	LVDS	4	4	Active-High/Low Enables, Flow-Through Pinout
MAX3370	1µA, 2Mbps, Low-Voltage Level Translators in SC70 and µDFN	PRODUCTION	Logic Level Translators	2M	-	-	1	1	Bidirectional, CMOS/ Push-Pull Drive, Open Drain Drive
MAX3371	1µA, 2Mbps, Low-Voltage Level Translators in SC70 and µDFN	PRODUCTION	Logic Level Translators	2M	-	-	-	-	Bidirectional, CMOS/ Push-Pull Drive, Open Drain Drive
MAX9110	Single/Dual LVDS Line Driver with Ultra-Low Differential Skew in SOT23	PRODUCTION	Level Translator	500M	CMOS, LVTTTL	LVDS	1	1	Flow-Through Pinout, Tx Hi-Z at Power-Off
MAX9112	Single/Dual LVDS Line Driver with Ultra-Low Differential Skew in SOT23	PRODUCTION	Level Translator	500M	CMOS, LVTTTL	LVDS	2	2	Flow-Through Pinout, Tx Hi-Z at Power-Off
MAX9150	Low-Jitter, 10-Port LVDS Repeater	PRODUCTION	Fan-Out Buffer	400M	LVDS	LVDS	1	10	Fail-Safe Inputs, Low Power Shutdown Mode, Rx Hi-Z at Power-Off

	Description	Product Lifecycle	High Speed Logic Function	Data Rate ^{max}	Signal Type - Rx	Signal Type - Tx	# Rx Channels	# Tx Channels ^{typ}	Logic Features
MAX9111	Single/Dual LVDS Line Receivers with Ultra-Low Pulse Skew in SOT23	PRODUCTION	Level Translator	500M	LVDS	CMOS, LVTTTL	1	1	Fail-Safe Inputs, Flow-Through Pinout, Rx Hi-Z at Power-Off
MAX9113	Single/Dual LVDS Line Receivers with Ultra-Low Pulse Skew in SOT23	PRODUCTION	Level Translator	500M	LVDS	CMOS, LVTTTL	2	2	Fail-Safe Inputs, Flow-Through Pinout, Rx Hi-Z at Power-Off
HMC1061	DC to 18 GHz, Ultra Wideband, Dual Rank, 4 GSPS Track-and-Hold Amplifier	RECOMMENDED FOR NEW DESIGNS	Track and Hold	4G	-	-	-	-	-
HMC661	Ultra Wideband 4 GS/s Track-and-Hold Amplifier, DC - 18 GHz	RECOMMENDED FOR NEW DESIGNS	Track and Hold	4G	-	-	-	-	-
HMC678	SMT 13 Gbps, 2:1 Selector	RECOMMENDED FOR NEW DESIGNS	Selector Mux/De-Mux	13G	-	-	-	-	-
HMC728	13 Gbps, 2:1 Selector	RECOMMENDED FOR NEW DESIGNS	Selector Mux/De-Mux	14G	-	-	-	-	-
HMC748	13 Gbps Fast Rise Time 2:1 Selector with Programmable Output Voltage	RECOMMENDED FOR NEW DESIGNS	Selector Mux/De-Mux	14G	-	-	-	-	-
HMC760	Wideband 4 GS/s Track-and-Hold Amplifier, DC - 5 GHz	RECOMMENDED FOR NEW DESIGNS	Track and Hold	4G	-	-	-	-	-
HMC854	28 Gbps 4:1 Mux SMT with Programmable Output Voltage	RECOMMENDED FOR NEW DESIGNS	Serializer/De-Serializer	28G	-	-	-	-	-
HMC855	28 Gbps 1:4 Demux SMT with Programmable Output Voltage	RECOMMENDED FOR NEW DESIGNS	Serializer/De-Serializer	28G	-	-	-	-	-
HMC857	14 Gbps 2 × 2 Crosspoint Switch with Programmable Output Voltage	RECOMMENDED FOR NEW DESIGNS	Crosspoint Switch	14G	-	-	-	-	-
HMC858	14 Gbps, 2:1 Differential Selector with Programmable Output Voltage	RECOMMENDED FOR NEW DESIGNS	Selector Mux/De-Mux	14G	-	-	-	-	-

	Description	Product Lifecycle	High Speed Logic Function	Data Rate ^{max}	Signal Type - Rx	Signal Type - Tx	# Rx Channels	# Tx Channels ^{typ}	Logic Features
HMC954	32 Gbps, 2:1 Mux with Programmable Output Voltage	RECOMMENDED FOR NEW DESIGNS	Serializer/De-Serializer	32G	-	-	-	-	-
HMC955	32 Gbps, 1:2 Demux with Programmable Output Voltage	LAST TIME BUY	Serializer/De-Serializer	32G	-	-	-	-	-
HMC958	14 Gbps 4:1 Selector SMT with Programmable Output Voltage	RECOMMENDED FOR NEW DESIGNS	Selector Mux/De-Mux	14G	-	-	-	-	-

Logic Devices

Parts	Description	Product Lifecycle	High Speed Logic Function	Data Rate ^{max}	Signal Type - Rx	Signal Type - Tx	# Rx Channels	# Tx Channels ^{typ}	Logic Features
LTC6955	Ultralow Jitter, 7.5GHz, 11 Output Fanout Buffer Family	LAST TIME BUY	Fanout Buffers	7.5G	CML	CML	1	11	Divide By 2 Frequency Divider
LTC6955-1	Ultralow Jitter, 7.5GHz, 11 Output Fanout Buffer Family	LAST TIME BUY	Fanout Buffers	7.5G	CML	CML	1	10	-
MAX9174	670MHz LVDS-to-LVDS and Anything-to-LVDS 1:2 Splitters	PRODUCTION	Fan-Out Buffer	800M	LVDS	LVDS	1	2	Fail-Safe Inputs, Low Power Shutdown Mode, Power-Down Inputs Tolerate Undershoot/Overshoot, Rx/Tx Hi-Z at Power-Off
MAX9175	670MHz LVDS-to-LVDS and Anything-to-LVDS 1:2 Splitters	PRODUCTION	Fan-Out Buffer	800M	CML, HSTL, LVDS, LVPECL	LVDS	1	2	Anything Inputs, Low Power Shutdown Mode, Power-Down Inputs Tolerate Undershoot/Overshoot, Rx/Tx Hi-Z at Power-Off
MAX9169	4-Port LVDS and LVTTTL-to-LVDS Repeaters	PRODUCTION	Fan-Out Buffer	630M	LVDS	LVDS	1	4	Fail-Safe Inputs
MAX9310	1:5 Clock Driver with Selectable LVPECL Inputs and LVDS Outputs	PRODUCTION	Fan-Out Buffer, Level Translator	-	HSTL, LVPECL	LVDS	2	5	Differential Input Mux, Fail-Safe Inputs
MAX9310A	1:5 Clock Driver with Selectable LVPECL Inputs/Single-Ended Inputs and LVDS Outputs	PRODUCTION	Fan-Out Buffer, Level Translator	-	HSTL, LVPECL	LVDS	2	5	Differential Input Mux, Fail-Safe Inputs
MAX9381	Lowest Power 3.0GHz ECL/PECL Differential Data and Clock D Flip-Flop	PRODUCTION	Flip-Flops	3G	-	-	-	-	-
MAX9320B	1:2 Differential PECL/ECL /LVPECL/LVECL Clock and Data Driver	PRODUCTION	Fan-Out Buffer	-	ECL, HSTL, LVECL, LVPECL, PECL	ECL, LVECL, LVPECL, PECL	1	2	Fail-Safe Inputs
MAX9315	1:5 Differential LVPECL/LVECL/HSTL Clock and Data Driver	PRODUCTION	Fan-Out Buffer	-	HSTL, LVECL, LVPECL	LVECL, LVPECL	2	5	Differential Input Mux, Fail-Safe Inputs, Synchronous Output Enable

	Description	Product Lifecycle	High Speed Logic Function	Data Rate ^{max}	Signal Type - Rx	Signal Type - Tx	# Rx Channels	# Tx Channels ^{typ}	Logic Features
MAX9153	Low-Jitter, 800Mbps, 10-Port LVDS Repeaters with 100Ω Drive	PRODUCTION	Fan-Out Buffer	800M	LVDS	LVDS	1	10	Fail-Safe Inputs, Tx Hi-Z at Power-Off
MAX9311	1:10 Differential LVPECL/LVECL/HSTL Clock and Data Drivers	PRODUCTION	Fan-Out Buffer	-	HSTL, LVECL, LVPECL	LVECL, LVPECL	2	10	Differential Input Mux, Fail-Safe Inputs
MAX9312	Dual 1:5 Differential LVPECL/LVECL/HSTL Clock and Data Drivers	PRODUCTION	Fan-Out Buffer	-	HSTL, LVECL, LVPECL	LVECL, LVPECL	2	10	Fail-Safe Inputs
MAX9320	1:2 Differential LVPECL/LVECL/HSTL Clock and Data Drivers	PRODUCTION	Fan-Out Buffer	-	HSTL, LVECL, LVPECL	LVECL, LVPECL	1	2	Fail-Safe Inputs
MAX9320A	1:2 Differential LVPECL/LVECL/HSTL Clock and Data Drivers	PRODUCTION	Fan-Out Buffer	-	HSTL, LVECL, LVPECL	LVECL, LVPECL	1	2	Fail-Safe Inputs
MAX9150	Low-Jitter, 10-Port LVDS Repeater	PRODUCTION	Fan-Out Buffer	400M	LVDS	LVDS	1	10	Fail-Safe Inputs, Low Power Shutdown Mode, Rx Hi-Z at Power-Off
HMC679	26 GHz, T Flip-Flop with RESET & Programmable Output Voltage	LAST TIME BUY	Flip-Flops	26G	-	-	-	-	-
HMC720	13 Gbps Fast Rise Time 1:2 Fanout Buffer with Programmable Output Voltage	RECOMMENDED FOR NEW DESIGNS	Fanout Buffers	14G	CML	-	1	2	Programmable Output Voltage
HMC721LC3C	13 Gbps Fast Rise Time XOR / XNOR Gate with Programmable Output Voltage	PRODUCTION	Logic Gates	14G	-	-	-	-	Programmable Output Voltage, XNOR, XOR
HMC721LP3E	13 Gbps Fast Rise Time XOR / XNOR Gate with Programmable Output Voltage	PRODUCTION	Logic Gates	14G	-	-	-	-	Programmable Output Voltage, XNOR, XOR
HMC722LC3C	13 Gbps, Fast Rise Time AND/NAND/OR/NOR Gate, with Programmable Output Voltage	PRODUCTION	Logic Gates	13G	-	-	-	-	AND, NAND, NOR, OR, Programmable Output Voltage

	Description	Product Lifecycle	High Speed Logic Function	Data Rate ^{max}	Signal Type - Rx	Signal Type - Tx	# Rx Channels	# Tx Channels ^{typ}	Logic Features
HMC722LP3E	13 Gbps, Fast Rise Time AND/NAND/OR/NOR Gate, with Programmable Output Voltage	PRODUCTION	Logic Gates	13G	-	-	-	-	AND, NAND, NOR, OR, Programmable Output Voltage
HMC723LC3C	13 Gbps Fast Rise Time D-Type Flip-Flop with Programmable Output Voltage	PRODUCTION	Flip-Flops	13G	-	-	-	-	-
HMC723LP3E	13 Gbps Fast Rise Time D-Type Flip-Flop with Programmable Output Voltage	PRODUCTION	Flip-Flops	13G	-	-	-	-	-
HMC724	14 Gbps Fast Rise Time 1:2 Fanout Buffer	RECOMMENDED FOR NEW DESIGNS	Fanout Buffers	14G	CML	-	1	2	-
HMC725	13 Gbps Fast Rise Time XOR / XNOR Gate	RECOMMENDED FOR NEW DESIGNS	Logic Gates	14G	-	-	-	-	XNOR, XOR
HMC726	13 Gbps, Fast Rise Time AND/NAND/OR/NOR Gate	RECOMMENDED FOR NEW DESIGNS	Logic Gates	14G	-	-	-	-	AND, NAND, NOR, OR
HMC727	13 Gbps Fast Rise Time D-Type Flip-Flop	RECOMMENDED FOR NEW DESIGNS	Flip-Flops	14G	-	-	-	-	-
HMC729	26 GHz, T Flip-Flop w/Reset	RECOMMENDED FOR NEW DESIGNS	Flip-Flops	26G	-	-	-	-	-
HMC744	14 Gbps Fast Rise Time 1:2 Fanout Buffer with Programmable Output Voltage & Positive Supply	RECOMMENDED FOR NEW DESIGNS	Fanout Buffers	14G	CML	-	1	2	-
HMC745	13 Gbps, Fast Rise Time XOR/XNOR Gate with Programmable Output Voltage and Positive Supply	RECOMMENDED FOR NEW DESIGNS	Logic Gates	13G	-	-	-	-	Programmable Output Voltage, XNOR, XOR
HMC746	13 Gbps Fast Rise Time AND/NAND / OR/NOR Gate with Programmable Output Voltage	RECOMMENDED FOR NEW DESIGNS	Logic Gates	14G	-	-	-	-	AND, NAND, NOR, OR, Programmable Output Voltage

	Description	Product Lifecycle	High Speed Logic Function	Data Rate ^{max}	Signal Type - Rx	Signal Type - Tx	# Rx Channels	# Tx Channels ^{typ}	Logic Features
HMC747	13 Gbps Fast Rise Time D-Type Flip-Flop with Programmable Output Voltage	RECOMMENDED FOR NEW DESIGNS	Flip-Flops	14G	-	-	-	-	-
HMC749	26 GHz Fast Rise Time T Flip-Flop with Reset & Programmable Output Voltage	RECOMMENDED FOR NEW DESIGNS	Flip-Flops	26G	-	-	-	-	-
HMC850	28 Gbps 1:2 Fanout Buffer with Programmable Output Voltage	RECOMMENDED FOR NEW DESIGNS	Fanout Buffers	28G	CML	-	1	2	Programmable Output Voltage
HMC851	28 Gbps XOR / XNOR SMT w/Programmable Output Voltage	RECOMMENDED FOR NEW DESIGNS	Logic Gates	28G	-	-	-	-	Programmable Output Voltage, XNOR, XOR
HMC853	28 Gbps D-Type Flip-Flop w/Programmable Output Voltage	RECOMMENDED FOR NEW DESIGNS	Flip-Flops	28G	-	-	-	-	-
HMC940	13 Gbps 1:4 Fanout Buffer w/Programmable Output Voltage	LAST TIME BUY	Fanout Buffers	13G	-	-	-	-	-

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Россия +7(495)268-04-70

Казахстан +7(7172)727-132

Киргизия +996(312)96-26-47

эл.почта: agu@nt-rt.ru || сайт: <https://analog.nt-rt.ru/>