

DIGITAL ISOLATION AND INTERFACE TECHNOLOGY

Selection Guide 2019



Visit analog.com/iCoupler

Contents

For Safety and Robustness, Choose Analog Devices' Digital Isolation and Interface Solutions!

Digital Isolators

Digital Isolators with Isolated Power—

isoPower® or *µModule*® Isolated Power

Industrial Sensor Interface—Temperature Sensor Signal Chain

Isolated RS-485 Transceivers

Fault Protected RS-485 Transceivers

3.3 V RS-485 Transceivers

5.0 V RS-485 Transceivers

Dual and Quad RS-485 Drivers and Receivers

Multiprotocol Transceivers

Isolated CAN Transceivers

Controller Area Network (CAN) Transceivers

LVDS (Low Voltage Differential Signaling) Isolators

LVDS Drivers and Receivers

M-LVDS (Multipoint Low Voltage Differential Signaling) Transceivers

Noninvasive Blood Pressure (NiBP) Measurement Signal Chain

USB 2.0 Isolators

I²C Isolators

I²C Buffers and Rise Time Accelerators

I²C Multiplexers and Address Translators

SPI Digital Isolators—SPISolator® or *µModule* Isolated SPI

Isolated RS-232 Transceivers

RS-232 Transceivers

EV On-Board Charger Signal Chain

Isolated Gate Drivers

Isolated Amplifiers

IO-Link® Transceivers

Isolated Switching Regulators with Integrated Power Transformers

Isolated Switching Regulators

Isolated Switch Controller

Isolated Flyback and Forward Controllers

Motor Control with Reinforced Isolation Signal Chain

Isolated Analog-to-Digital Converters, Isolated Σ - Δ

2
3
4
5
5
6
6
7
8
9
10
10
10
10
10
11
11
12
12
13
13
13
17
17
18
18
18
18
19
19

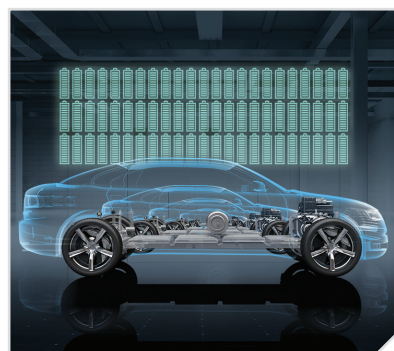
For Safety and Robustness, Choose Analog Devices' Digital Isolation and Interface Solutions!

Find award winning digital isolation with *iCoupler*® technology and highly integrated, isolated *µModule* products, along with superior interface solutions in the 2019 selection guide. Our broad portfolio offers solutions spanning data isolators, *isoPower* solutions, high power isolated dc-to-dc converters, isolated field bus and peripheral communications, gate drivers from IGBT to GaN, isolated switches, and isolated data converter controllers, as well as isolated Σ - Δ modulators, isolated amplifiers, and energy metrology for interface field bus and peripheral communications—a full gamut of I²C technologies including I²C technologies.

Our *iCoupler* digital isolators meet a wide range of creepage/clearance requirements and provide up to 8 mm creepage. With over 2 billion channels deployed into the field, these magnetically isolated products meet the stringent safety standards required of digital isolators. The isolated *µModule* platform reliably integrates inductive/magnetic isolation, discrete components, ICs, and power onto a single substrate PCB, which results in products that require no external components. With this in your toolbox, any application from signaling to sampling can be supported, allowing you to deliver isolation solutions to even nontraditional applications.

Encompassing a wide variety of industry-standard communications protocols, Analog Devices' interface products easily support today's fastest data rates, high node counts, and low voltage supplies. Find RS-485 transceivers that enable long-range equipment communication and I²C/SMBus digital interface devices that improve interchip communication.

Analog Devices offers digital isolation technology and interface solutions integrated into compact, robust, and reliable solutions that solve today's data transmission and power isolation challenges.



Wide Range of Applications

With nearly two decades of innovation, Analog Devices' interface solutions are used in applications such as:

- ▶ Process control automation
- ▶ Motor drives
- ▶ Industrial fieldbuses
- ▶ Instrumentation devices
- ▶ Communication infrastructures
- ▶ Automotive systems
- ▶ Solar/wind energy
- ▶ Power supply/regulation systems
- ▶ Medical devices
- ▶ Metering
- ▶ Light and building controls
- ▶ Battery charging systems
- ▶ Industrial IoT

Digital Isolators

Part Number	Number of Channels	Isolation Rating (kV rms)	Reverse Direction Options				Typical Quiescent Power Dissipation Per Channel (mW)	Max Data Rate (Mbps)	Output			Max Temp (°C)	Package
									Default		EN		
									H	L	Z		
ADuM110N	1	3	•				4.9	150	•	•		125	8-lead SOIC_N
ADuM210N	1	5	•				4.1	150	•	•		125	8-lead SOIC_N
ADuM1100	1	2.5	•				0.35	25, 100	•			105, 125	8-lead SOIC_N
ADuM3100	1	2.5	•				2.64	25, 50	•			105	8-lead SOIC_N
ADuM12x ¹	2	3	•	•			2.6	150	•	•		125	8-lead SOIC_N
ADuM22x ¹	2	5	•	•			2.6	150	•	•		125	16-lead SOIC_W, 8-lead SOIC_IC
ADuM724x	2	1	•	•			4.29	1, 25	•			105	8-lead SOIC_N
ADuM120x ^{1, 2}	2	2.5	•	•			1.11	1, 10, 25	•			105, 125	8-lead SOIC_N
ADuM1210	2	2.5	•	•			1.11	10		•		105	8-lead SOIC_N
ADuM320x ^{1, 2}	2	2.5	•	•			1.8	1, 10, 25	•			105, 125	8-lead SOIC_N
ADuM321x ^{1, 2}	2	2.5	•	•			1.8	1, 10		•		105, 125	8-lead SOIC_N
ADuM124x	2	3.75	•	•			0.0003	2	•	•		125	20-lead SSOP, 8-lead SOIC_N
ADuM220x ¹	2	5	•	•			1.8	1, 10	•			105, 125	16-lead SOIC_W, 16-lead SOIC_IC
ADuM221x ¹	2	5	•	•			1.8	1, 10		•		125	16-lead SOIC_W, 16-lead SOIC_IC
ADuM13x	3	3 to 3.75	•	•			2.9	150	•	•	•	125	16-lead SOIC_N, 16-lead SOIC_W
ADuM23x	3	5	•	•			2.9	150	•	•	•	125	16-lead SOIC_W, 16-lead SOIC_IC
ADuM130x ¹	3	2.5	•	•			1.11	1, 10, 90	•		•	105, 125	16-lead SOIC_W
ADuM131x	3	2.5	•	•			1.32	1, 10	•	•		105	16-lead SOIC_W
ADuM330x ¹	3	2.5	•	•			1.86	1, 10, 90	•		•	105, 125	16-lead SOIC_W
ADuM14x ¹	4	3 to 3.75	•	•	•		2.1	150	•	•	•	125	16-lead SOIC_N, 16-lead SOIC_W, 16-lead QSOP
ADuM24x ¹	4	5	•	•	•		2.1	150	•	•	•	125	16-lead SOIC_W, 16-lead SOIC_IC, 8-lead SOIC_N
ADuM744x	4	1	•	•	•		3	1, 25	•		•	105	16-lead QSOP
ADuM140x ¹	4	2.5	•	•	•		1.11	1, 10, 90	•			105, 125	16-lead SOIC_W
ADuM141x	4	2.5	•	•	•		1.32	1, 10	•	•		105	16-lead SOIC_W
ADuM340x ^{1, 2}	4	2.5	•	•	•		1.5	1, 10, 90	•		•	105, 125	16-lead SOIC_W
ADuM144x ³	4	3.75	•	•	•		0.0003	2	•	•		125	16-lead QSOP, 20-lead SSOP
ADuM348x	4	3.75	•	•	•		4.72	1, 25			•	125	20-lead SSOP
ADuM240x	4	5	•	•	•		1.11	1, 10, 90	•			105	16-lead SOIC_W, 16-lead SOIC_IC
ADuM440x ¹	4	5	•	•	•		1.5	1, 10, 90	•		•	105, 125	16-lead SOIC_W, 16-lead SOIC_IC
ADuM15x	5	3	•	•	•		2.2	150	•	•		125	16-lead SOIC_N
ADuM16x	6	3	•	•	•	•	2.3	150	•	•		125	16-lead SOIC_N
ADuM764x	6	1	•	•	•	•	4.06	1, 25	•			105	20-lead QSOP
ADuM25x <i>New</i>	5	5		•	•		2.2	150	•	•		125	16-lead SOIC_IC
ADuM26x <i>New</i>	6	5		•	•	•	2.3	150	•	•		125	16-lead SOIC_IC



Digital Isolation

Analog Devices' digital isolators enable designers to implement robust solutions with our magnetically isolated *iCoupler* products with the flexibility of up to 6 channels. Products meet stringent safety standards, including the ability to isolate IS-IS with our intrinsically safety certified digital isolators that enable designs in hazardous areas. Automotive certified versions are also available.

¹ Automotive qualified models available. Please visit product page for more information.

² Enhanced products (EP) qualified models available. Please visit product page for more information.

³ Intrinsic safety certified.

Digital Isolators with Isolated Power—*iso*Power or μ Module Isolated Power

Part Number	Number of Channels	Isolation Rating (kV rms)	Power Supply (V)	Reverse Direction Options					Max Data Rate (Mbps)	Isolated Power Output	Max Temp (°C)	Package
				0	1	2	3	4				
ADuM541x	4	2.5	3.0 to 5.5	•	•	•			150	150 mW	105	24-lead SSOP
ADuM641x	4	3.75	3.0 to 5.5	•	•	•			150	150 mW	105	24-lead SSOP
ADuM5000 ¹	0	2.5	3.0 to 5.5						—	500 mW at 5 V	105	16-lead SOIC_W
ADuM5010	0	2.5	3.3 to 5.5						—	150 mW at 5 V	105	20-lead SSOP
ADuM5020 <i>New</i>	0	3	4.5 to 5.5 or 3.0 to 3.6						—	500 mW	125	16-lead SOIC_W
ADuM5028 <i>New</i>	0	3	4.5 to 5.5 or 3.0 to 3.6						—	300 mW	125	8-lead SOIC_IC
ADuM520x ¹	2	2.5	3.0 to 5.5	•	•	•			1, 25	500 mW at 5 V	105	16-lead SOIC_W
ADuM521x	2	2.5	3.0 to 5.5	•	•	•			1, 25, 100	150 mW at 5 V	105	20-lead SSOP
ADuM524x	2	2.5		•	•	•			1	50 mW at 5 V	105	8-lead SOIC_N
ADuM540x ¹	4	2.5	3.0 to 5.5	•	•	•	•	•	1, 25	500 mW at 5 V	105	16-lead SOIC_W
ADuM6010	0	3.75	3.0 to 5.5						—	150 mW at 5 V	105	20-lead SSOP
ADuM621x	2	3.75	3.0 to 5.5	•	•	•			1, 25, 100	150 mW at 5 V	105	20-lead SSOP
ADuM6000	0	5	3.0 to 5.5						—	400 mW at 5 V	105	16-lead SOIC_W, 16-lead SOIC_IC
ADuM6020 <i>New</i>	0	5	4.5 to 5.5 or 3.0 to 3.6						—	500 mW	125	16-lead SOIC_IC
ADuM6028 <i>New</i>	0	5	4.5 to 5.5 or 3.0 to 3.6						—	300 mW	125	8-lead SOIC_IC
ADuM620x	2	5	3.0 to 5.5	•	•	•			1, 25	400 mW at 5 V	105	16-lead SOIC_W, 16-lead SOIC_IC
ADuM640x	4	5	3.0 to 5.5	•	•	•	•	•	1, 25	400 mW at 5 V	105	16-lead SOIC_W, 16-lead SOIC_IC
LTM2883-3S ²	6	2.5	3.0 to 3.6				•		20	0.6 W (adj 3 V to 5 V, adj +12 V, adj -12 V)	105	32-ball BGA
LTM2883-5S ²	6	2.5	4.5 to 5.5				•		20	0.6 W (adj 3 V to 5 V, adj +12 V, adj -12 V)	105	32-ball BGA
LTM2886-3S ²	6	2.5	3.0 to 3.6				•		20	1 W (adj 3 V to 5 V, +5 V, -5 V)	125	32-ball BGA
LTM2886-5S ²	6	2.5	4.5 to 5.5				•		20	1 W (adj 3 V to 5 V, 5 V, -5 V)	125	32-ball BGA
LTM2887-3S ²	6	2.5	3.0 to 3.6				•		20	1 W (adj 1.8 V to 5 V, adj 0.6 V to 5 V)	125	32-ball BGA
LTM2887-5S ²	6	2.5	4.5 to 5.5				•		20	1 W (adj 1.8 V to 5 V, adj 0.6 V to 5 V)	125	32-ball BGA



Isolated Power

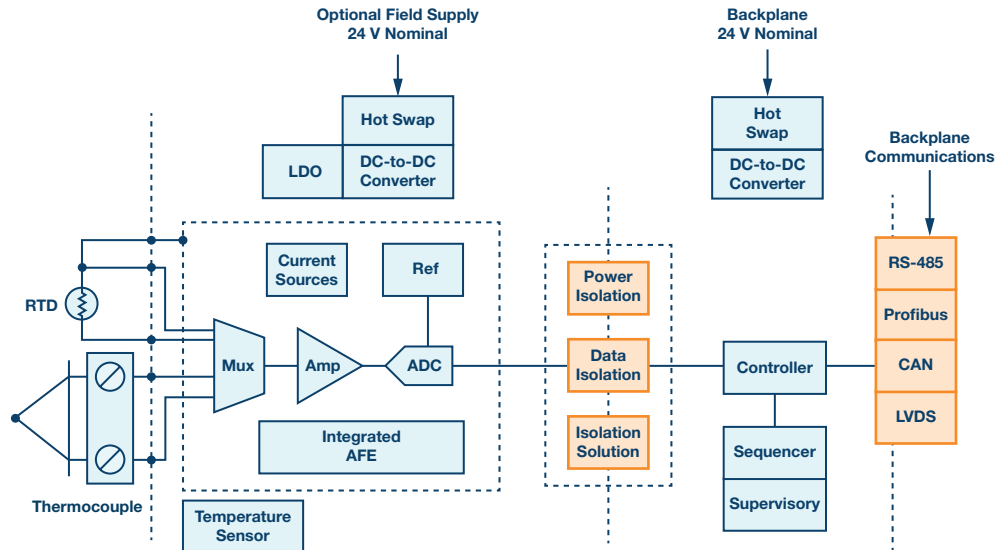
Integrated isolated power pioneered by Analog Devices' *iso*Power chip-scale transformer technology changed isolation system design. This technology removed the complexity of building and certifying separate isolated supplies, reduced board size, and eliminated the need to use multiple discrete components for optimized designs. Complementing the advantages of *iso*Power technology, Analog Devices μ Module devices integrate additional discrete components, creating solutions that require no additional components and provide additional auxiliary isolated power.

¹ Automotive qualified models available. Please visit product page for more information.

² Logic supply voltage range (V_L or V_{DD}) 1.6 V to 5.5 V.



Industrial Sensor Interface—Temperature Sensor Signal Chain



Isolated RS-485 Transceivers

Part Number	Insulation Rating (kV rms)	Full Duplex	Half Duplex	Max Data Rate	Integrated Isolated Power	Isolated Power Output	Integrated Transformer Driver	Power Supply (V)		Max Temp (°C)	Packages
								Logic Side	Bus Side		
ADM2481	2.5		•	500 kbps				3.0 to 5.0	4.75 to 5.25	85	16-lead SOIC_W
ADM2482E	2.5	•	•	16 Mbps			•	3.0 to 5.5	3.0 to 3.6	85	16-lead SOIC_W
ADM2483	2.5		•	500 kbps				2.7 to 5.5	4.75 to 5.25	85	16-lead SOIC_W
ADM2484E	5	•	•	500 kbps				3.0 to 5.5	3.0 to 3.6	85	16-lead SOIC_W
ADM2485	2.5		•	16 Mbps			•	2.7 to 5.5	4.75 to 5.25	85	16-lead SOIC_W
ADM2486	2.5		•	20 Mbps				2.7 to 5.5	4.75 to 5.25	85	16-lead SOIC_W
ADM2487E	2.5	•	•	500 kbps			•	3.0 to 5.5	3.0 to 3.6	85	16-lead SOIC_W
ADM2490E	5	•		16 Mbps				2.7 to 5.5	4.75 to 5.25	105	16-lead SOIC_W
ADM2491E	5	•	•	16 Mbps				3.0 to 5.5	4.5 to 5.5	85	16-lead SOIC_W
ADM2582E	2.5	•	•	16 Mbps	•			3.0 to 5.5		85	20-lead SOIC W
ADM2587E	2.5	•	•	500 kbps	•			3.0 to 5.5		85	20-lead SOIC W
ADM2682E	5	•	•	16 Mbps	•			3.0 to 5.5		85	16-lead SOIC_IC
ADM2687E	5	•	•	500 kbps	•			3.0 to 5.5		85	16-lead SOIC_IC
ADM2795E ¹	5		•	2.5 Mbps				1.7 to 5.5	3.0 to 5.5	125	16-lead SOIC_W
LTC1535	2.5	•	•	250 kbps			•	4.5 to 5.5	4.5 to 7.5	85	28-lead SOIC
LTM2881-3 ²	2.5	•	•	20 Mbps	•	1 W (5 V)		3.0 to 3.6		105	32-ball BGA, 32-pad LGA
LTM2881-5 ²	2.5	•	•	20 Mbps	•	1 W (5 V)		4.5 to 5.5		105	32-ball BGA, 32-pad LGA
LTM2885 ¹	6.5	•	•	20 Mbps	•	1 W (5 V)		4.5 to 5.5		105	42-ball BGA



Isolated Transceiver

With nearly 2 billion channels shipped, ADI's digital isolation technology offers compact, robust, and reliable solutions that solve our customers' data transmission challenges while meeting strict safety standards. iCoupler digital isolators meet a wide range of creepage/clearance requirements, while the isolated μ Module platform reliably integrates galvanic isolation, discrete components, ICs, and power onto a single substrate PCB. The broad portfolio offers solutions spanning isolated field bus (RS-485, CAN, and LVDS) as well as peripheral communications (I²C, USB, SPI, and RS-232). Analog Devices has your isolated protocols covered!

¹ Enhanced products (EP) qualified models available. Please visit product page for more information.

² Logic supply voltage range (V_L or V_{IO}), 1.6 V to 5.5 V.

Fault Protected RS-485 Transceivers

Part Number	Max Data Rate	Duplex	Number of Nodes	Driver/Receiver Enable	ESD		Fail-Safe	Supply (V)	Max Temp (°C)	Packages
					HBM (kV)	IEC				
ADM3095E ¹	2.5 Mbps	Half	256	•	±30	Level 4	Idle, open, short	3.0 to 5.5	125	16-lead SOIC
LT1785A	250 kbps	Half	128	•	±15	Level 4	Idle, open, short	4.75 to 5.25	125	8-lead SOIC, 8-lead PDIP
LT1791A	250 kbps	Full	128	•	±15	Level 4	Idle, open, short	4.75 to 5.25	125	14-lead SOIC, 14-lead PDIP
LTC2862A-1/ LTC2862A-2 ¹	20 Mbps/250 kbps	Half	224	•	±40	Level 4	Idle, open, short	3.0 to 5.5	125	8-lead SOIC, 8-lead DFN
LTC2863-1/ LTC2863-2 ¹	20 Mbps/250 kbps	Full	256		±15		Idle, open, short	3.0 to 5.5	125	8-lead SOIC, 8-lead DFN
LTC2864-1/ LTC2864-2 ¹	20 Mbps/250 kbps	Full	256	•	±15		Idle, open, short	3.0 to 5.5	125	14-lead SOIC, 10-lead DFN
LTC2865	20 Mbps/250 kbps	Full	256	•	±15		Idle, open, short	3.0 to 5.5	125	12-lead MSOP, 12-lead DFN
LTC2876	20 Mbps	Half	200	•	±52		Idle, open, short	3.0 to 5.5	125	8-lead MSOP, 8-lead DFN
LTC2877	20 Mbps	Half	200	•	±52		Idle, open, short	3.0 to 5.5, V_L 1.65 to V_{CC}	125	10-lead MSOP, 10-lead DFN
LTC2879X New	20 Mbps	Half	96	•	±52		Open, short, terminated	3.0 to 5.5,	175	8-lead MSOP_EP

3.3 V RS-485 Transceivers

Part Number	Max Data Rate	Duplex	Number of Nodes	Driver/Receiver Enable	ESD		Fail-Safe	Supply (V)	Max Temp (°C)	Packages
					HBM (kV)	IEC				
ADM3061E New	500 kbps	Half	128	•	±30	Level 4	Idle, open, short	3.0 to 5.5	125	8-lead MSOP, 8-lead SOIC
ADM3062E New	500 kbps	Half	128	•	±30	Level 4	Idle, open, short	3.0 to 5.5, V_O 1.62 to 5.5	125	10-lead LFCSP, 10-lead MSOP
ADM3065E	50 Mbps	Half	128	•	±30	Level 4	Idle, open, short	3.0 to 5.5	125	8-lead MSOP, 8-lead SOIC
ADM3066E New	50 Mbps	Half	128	•	±30	Level 4	Idle, open, short	3.0 to 5.5, V_O 1.62 to 5.5	125	10-lead LFCSP, 10-lead MSOP
ADM3070E	250 kbps	Full	256	•	±15		Idle, open, short	3.0 to 3.6	125	14-lead SOIC
ADM3071E	250 kbps	Full	256		±15		Idle, open, short	3.0 to 3.6	125	8-lead SOIC
ADM3072E	250 kbps	Half	256	•	±15		Idle, open, short	3.0 to 3.6	125	8-lead SOIC
ADM3073E	500 kbps	Half	256	•	±15		Idle, open, short	3.0 to 3.6	125	14-lead SOIC
ADM3074E	500 kbps	Full	256		±15		Idle, open, short	3.0 to 3.6	125	8-lead SOIC
ADM3075E	500 kbps	Half	256	•	±15		Idle, open, short	3.0 to 3.6	125	8-lead SOIC
ADM3076E	16 Mbps	Full	256	•	±15		Idle, open, short	3.0 to 3.6	125	14-lead SOIC
ADM3077E	16 Mbps	Full	256		±15		Idle, open, short	3.0 to 3.6	125	8-lead SOIC
ADM3078E	16 Mbps	Half	256	•	±15		Idle, open, short	3.0 to 3.6	125	8-lead SOIC
ADM3483	250 kbps	Half	32	•	—		Open	3.0 to 3.6	85	8-lead SOIC
ADM3483E	250 kbps	Half	32	•	±15		Open	3.0 to 3.6	85	8-lead SOIC
ADM3485	10 Mbps	Half	32	•	—		Open	3.0 to 3.6	85	8-lead SOIC
ADM3485E	12 Mbps	Half	32	•	±15		Open	3.0 to 3.6	85	8-lead SOIC
ADM3486E	2.5 Mbps	Half	32	•	±15		Open	3.0 to 3.6	85	8-lead SOIC
ADM3488	250 kbps	Full	32		—		Open	3.0 to 3.6	85	8-lead SOIC
ADM3488E	250 kbps	Full	32		±15		Open	3.0 to 3.6	85	8-lead SOIC
ADM3490	10 Mbps	Full	32		—		Open	3.0 to 3.6	85	8-lead SOIC
ADM3490E	12 Mbps	Full	32		±15		Open	3.0 to 3.6	85	8-lead SOIC
ADM3491	10 Mbps	Full	32	•	—		Open	3.0 to 3.6	85	14-lead SOIC
ADM3491E	12 Mbps	Full	32	•	±15		Open	3.0 to 3.6	85	14-lead SOIC
ADM3493	250 kbps	Half	256	•	—		Open	3.0 to 3.6	85	8-lead SOIC
LTC1480	2.5 Mbps	Half	32	•	±3.5		Open	3.0 to 3.6	85	8-lead SOIC, 8-lead PDIP
LTC2850 ¹	20 Mbps	Half	256	•	±15		Idle, open, short	3.0 to 3.6	125	8-lead SOIC, 8-lead MSOP, 8-lead DFN

¹ Enhanced products (EP) qualified models available. Please visit product page for more information.

3.3 V RS-485 Transceivers (Continued)

Part Number	Max Data Rate	Duplex	Number of Nodes	Driver/Receiver Enable	ESD		Fail-Safe	Supply (V)	Max Temp (°C)	Packages
					HBM (kV)	IEC				
LTC2851 ²	20 Mbps	Full	256		±15		Idle, open, short	3.0 to 3.6	125	8-lead SOIC, 8-lead MSOP, 8-lead DFN
LTC2852 ²	20 Mbps	Full	256	•	±15		Idle, open, short	3.0 to 3.6	125	14-lead SOIC, 10-lead MSOP, 10-lead DFN
LTC2854	20 Mbps	Half	256	•	±25		Idle, open, short	3.0 to 3.6	125	10-lead DFN
LTC2855	20 Mbps	Full	256	•	±15		Idle, open, short	3.0 to 3.6	125	12-lead DFN, 16-lead SSOP_N

5.0 V RS-485 Transceivers

Part Number	Max Data Rate	Duplex	Number of Nodes	Driver/Receiver Enable	ESD		Fail-Safe	Supply (V)	Max Temp (°C)	Packages
					HBM (kV)	IEC				
ADM1485	30 Mbps	Half	32	•	—		Open	4.75 to 5.25	85	8-lead SOIC, 8-lead MSOP, 8-lead PDIP
ADM1486	30 Mbps	Half	50	•	—		Open	4.75 to 5.25	85	8-lead SOIC
ADM1487E	2.5 Mbps	Half	128	•	±15		Open	4.75 to 5.25	85	8-lead SOIC
ADM1490E	16 Mbps	Full	32		±8		Open	4.75 to 5.25	85	8-lead MSOP, 8-lead SOIC
ADM1491E	16 Mbps	Full	32	•	±8		Open	4.75 to 5.25	85	14-lead SOIC, 10-lead MSOP
ADM3061E <i>New</i>	500 kbps	Half	128	•	±30	Level 4	Idle, open, short	3.0 to 5.5	125	8-lead MSOP, 8-lead SOIC
ADM3062E <i>New</i>	500 kbps	Half	128	•	±30	Level 4	Idle, open, short	3.0 to 5.5 V _{IO} 1.62 to 5.5	125	10-lead LFCSP, 10-lead MSOP
ADM3065E	50 Mbps	Half	128	•	±30	Level 4	Idle, open, short	3.0 to 5.5	125	8-lead MSOP, 8-lead SOIC
ADM3066E <i>New</i>	50 Mbps	Half	128	•	±30	Level 4	Idle, open, short	3.0 to 5.5 V _{IO} 1.62 to 5.5	125	10-lead LFCSP, 10-lead MSOP
ADM483	250 kbps	Half	32	•	—		Open	4.75 to 5.25	85	8-lead SOIC
ADM483E	250 kbps	Half	32	•	±15		Open	4.5 to 5.5	85	8-lead SOIC
ADM485	5 Mbps	Half	32	•	—		Open	4.75 to 5.25	85	8-lead SOIC, 8-lead MSOP, 8-lead PDIP
ADM4850	115 kbps	Half	256	•	—		Open, short	4.75 to 5.25	85	8-lead LFCSP, 8-lead SOIC, 8-lead MSOP
ADM4851	500 kbps	Half	256	•	—		Open, short	4.75 to 5.25	85	8-lead SOIC, 8-lead LFCSP
ADM4852	2.5 Mbps	Half	256	•	—		Open, short	4.75 to 5.25	85	8-lead SOIC, 8-lead MSOP, 8-pad LFCSP
ADM4853 ¹	10 Mbps	Half	256	•	—		Open, short	4.75 to 5.25	85	8-lead SOIC, 8-lead MSOP, 8-lead LFCSP
ADM4854	115 kbps	Full	256		—		Open, short	4.75 to 5.25	85	8-lead SOIC
ADM4855	500 kbps	Full	256		—		Open, short	4.75 to 5.25	85	8-lead SOIC
ADM4856	2.5 Mbps	Full	256		—		Open, short	4.75 to 5.25	85	8-lead SOIC
ADM4857	10 Mbps	Full	256		—		Open, short	4.75 to 5.25	85	8-lead SOIC
ADM485E	2.5 Mbps	Half	32	•	±15		Open	4.75 to 5.25	85	8-lead SOIC
ADM487E ¹	250 kbps	Half	128	•	±15		Open	4.75 to 5.25	85	8-lead SOIC
ADM488	250 kbps	Full	32		—		Open	4.5 to 5.5	85	8-lead SOIC, 8-lead PDIP

¹ Automotive qualified models available. Please visit product page for more information.² Enhanced products (EP) qualified models available. Please visit product page for more information.

5.0 V RS-485 Transceivers (Continued)

Part Number	Max Data Rate	Duplex	Number of Nodes	Driver/Receiver Enable	ESD		Fail-Safe	Supply (V)	Max Temp (°C)	Packages
					HBM (kV)	IEC				
ADM488A	250 kbps	Full	32		—		Open	4.5 to 5.5	85	8-lead SOIC, 8-lead MSOP
ADM489	250 kbps	Full	32	•	—		Open	4.5 to 5.5	85	14-lead PDIP, 14-lead SOIC, 16-lead TSSOP
ADM489A	250 kbps	Full	32	•	—		Open	4.5 to 5.5	85	14-lead SOIC, 10-lead MSOP
LTC1481	2.5 Mbps	Half	32	•	±10		Open	4.75 to 5.25	85	8-lead SOIC, 8-lead PDIP
LTC1482	4 Mbps	Half	32	•	±15	Level 4	Idle, open, short	4.75 to 5.25	85	8-lead MSOP, 8-lead PDIP, 8-lead SOIC
LTC1483	150 kbps	Half	32	•	±10		Open	4.75 to 5.25	85	8-lead SOIC, 8-lead DIP
LTC1484	4 Mbps	Half	32	•	±15	Level 4	Idle, open, short	4.75 to 5.25	85	8-lead MSOP, 8-lead PDIP, 8-lead SOIC
LTC1485	10 Mbps	Half	32	•	±10		Open	4.75 to 5.25	85	8-lead SOIC, 8-lead PDIP
LTC1487	250 kbps	Half	256	•	±10		Open	4.75 to 5.25	70	8-lead SOIC, 8-lead PDIP
LTC1685	52 Mbps	Half	50	•	±4		Idle, open, short	4.75 to 5.25	85	8-lead SOIC
LTC1686	52 Mbps	Full	50		±4		Idle, open, short	4.75 to 5.25	85	8-lead SOIC
LTC1687	52 Mbps	Full	50	•	±4		Idle, open, short	4.75 to 5.25	85	14-lead SOIC
LTC1690	5 Mbps	Full	32		±15	Level 4	Idle, open, short	4.75 to 5.25	85	8-lead MSOP, 8-lead SOIC, 8-lead PDIP
LTC2856-1/ LTC2856-2	20 Mbps/ 250 kbps	Half	256	•	±15		Idle, open, short	4.5 to 5.5	125	8-lead MSOP, 8-lead DFN
LTC2857-1/ LTC2857-2	20 Mbps/ 250 kbps	Full	256		±15		Idle, open, short	4.5 to 5.5	125	8-lead MSOP, 8-lead DFN
LTC2858-1/ LTC2858-2	20 Mbps/ 250 kbps	Full	256	•	±15		Idle, open, short	4.5 to 5.5	125	10-lead MSOP, 10-lead DFN
LTC2859 ¹	20 Mbps/ 250 kbps	Half	256	•	±15		Idle, open, short	4.5 to 5.5	125	10-lead DFN
LTC2861	20 Mbps/ 250 kbps	Full	256	•	±15		Idle, open, short	4.5 to 5.5	85	12-lead DFN, 16-lead SSOP_N
LTC490	2.5 Mbps	Full	32		±2		Open	4.75 to 5.25	85	8-lead SOIC, 8-lead PDIP
LTC491	2.5 Mbps	Full	32	•	±2		Open	4.75 to 5.25	85	14-lead SOIC, 14-lead PDIP

Dual and Quad RS-485 Drivers and Receivers

Part Number	Drivers	Receivers	Max Data Rate	Driver/Receiver Enable	ESD (kV)	Fail-Safe	Supply (V)	Max Temp (°C)	Packages
ADM4168	2	2	10 Mbps	•	±15	Open	4.5 to 5.5	85	16-lead TSSOP
LTC1518	0	4	52 Mbps	•	±4	Idle, open, short	4.75 to 5.25	85	16-lead SOIC
LTC1519	0	4	52 Mbps	•	±4	Idle, open, short	4.75 to 5.25	85	16-lead SOIC
LTC1520	0	4	50 Mbps	•	±4	—	4.75 to 5.25	70	16-lead SOIC
LTC1688	4	0	100 Mbps	•	±4	—	3.0 to 5.25	85	16-lead SOIC
LTC1689	4	0	100 Mbps	•	±4	—	3.0 to 5.25	85	16-lead SOIC
LTC486	4	0	10 Mbps	•	±2	—	4.75 to 5.25	85	16-lead SOIC_W, 16-lead PDIP
LTC487	4	0	10 Mbps	•	±2	—	4.75 to 5.25	85	16-lead SOIC_W, 16-lead PDIP
LTC488	0	4	10 Mbps	•	±2	Open	4.75 to 5.25	85	16-lead SOIC_W, 16-lead PDIP
LTC489	0	4	10 Mbps	•	±4	Open	4.75 to 5.25	85	16-lead SOIC_W, 16-lead PDIP

Multiprotocol Transceivers

Part Number	Drivers/Receivers	Supported Data Rate				ESD (kV)	Termination	DCE or DTE	Signals	Additional Signals	Supply (V)	Max Temp (°C)	Packages
		RS-232/RS-562	RS-422/RS-485	V.35 (Async) (Mbps)	V.35 (Sync) (Mbps)								
LTC1321	2/2	120 kbps	10 Mbps			±10					4.75 to 5.25	85	24-lead SOL, 24-lead PDIP
LTC1322	4/4	120 kbps	10 Mbps			±10					4.75 to 5.25	85	24-lead SOL, 24-lead PDIP
LTC1323	2/3	120 kbps	2 Mbps			±10			Data, control		4.75 to 5.25	70	28-lead SSOP, 24-lead SO_W, 16-lead SO_N
LTC1334	4/4	120 kbps	5 Mbps			±10					4.75 to 5.25	85	28-lead SSOP, 28-lead PDIP_W, 28-lead SO_W
LTC1335	4/4	120 kbps	10 Mbps			±10					4.75 to 5.25	85	24-lead SOL, 24-lead PDIP
LTC1343	4/4			8	4	±2		DTE or DCE	Data, clock, or control	LL, RL, TM	4.75 to 5.25	85	44-lead SSOP_W
LTC1344						±2	•				4.75 to 5.25	85	24-lead SSOP
LTC1344A						±2	•				4.75 to 5.25	85	24-lead SSOP
LTC1345	3/3			10	5	±10		DTE or DCE	Data, clock		4.75 to 5.25	85	28-lead PDIP_W, 28-lead SO_W
LTC1346A	3/3			10	5	±10		DTE or DCE	Data, clock		4.75 to 5.25	70	24-lead SO_W
LTC1387	2/2	120 kbps	150 kbps/5 Mbps			±6					4.75 to 5.25	85	20-lead SSOP, 20-lead SO_W
LTC1543	3/3	100 kbps	10 Mbps	10	5	±2		DTE or DCE	Data, clock		4.75 to 5.25	85	28-lead SSOP
LTC1544	4/4	100 kbps	10 Mbps	10	5	±2		DTE or DCE	Control	LL	4.75 to 5.25	85	28-lead SSOP
LTC1545	5/5	100 kbps	10 Mbps	10	5	±2		DTE or DCE	Control	LL, RL, TM	4.75 to 5.25	85	36-lead SSOP
LTC1546	3/3	100 kbps	10 Mbps	10	5	±2	•	DTE or DCE	Data, clock		4.75 to 5.25	85	28-lead SSOP
LTC2844	4/4	100 kbps	10 Mbps	10	5	±1		DTE or DCE	Control	LL	3.0 to 3.6/ 4.75 to 5.25	85	28-lead SSOP
LTC2845	5/5	100 kbps	10 Mbps	10	5	±1		DTE or DCE	Control	LL, RL, TM	3.0 to 3.6/ 4.75 to 5.25	85	36-lead SSOP, 38-lead QFN
LTC2846	3/3	100 kbps	10 Mbps	10	5	±2	•	DTE or DCE	Data, clock		3.0 to 3.6/ 4.75 to 5.25	85	36-lead SSOP
LTC2847	3/3	100 kbps	10 Mbps	10	5	±1	•	DTE or DCE	Data, clock		4.75 to 5.25	85	38-lead QFN
LTC2870	2/2	500 kbps	20 Mbps			±26	•	DTE or DCE			3.0 to 5.5, V _L 1.7 to V _{CC}	85	28-lead QFN, 28-lead TSSOP
LTC2871	2/2	500 kbps	20 Mbps			±16	•	DTE or DCE			3.0 to 5.5, V _L 1.7 to V _{CC}	85	38-lead QFN, 38-lead TSSOP
LTC2872	4/4	500 kbps	20 Mbps			±16	•	DTE or DCE			3.0 to 5.5, V _L 1.7 to V _{CC}	85	38-lead QFN
LTC2873	1/1	1 Mbps/250 kbps	20 Mbps			±26	•	DTE or DCE			3.0 to 5.5	125	24-lead QFN

Isolated CAN Transceivers

Part Number	Fault Protection (V)	Insulation Rating (kV rms)	High Voltage Bus Side Regulator	Max Data Rate (Mbps)	Integrated Isolated Power	Isolated Power Output	Power Supply (V)		Max Temp (°C)	Packages
							Logic Side	Bus Side		
ADM3052	±36	5	•	1			3.0 to 5.5	11 to 25	85	16-lead SOIC_W
ADM3053	±36	2.5		1	•		4.5 to 5.5		85	20-lead SOIC_W
ADM3054 ¹	±36	5		1			3.0 to 5.5	5	125	16-lead SOIC_W
ADM3055E ² <i>New</i>	±40	5		12	•		4.5 to 5.5		105	20-lead SOIC_IC
LTM2889-3 ²	±60	2.5		4	•	0.75 W (adj 3 V to 5 V)	3.0 to 3.6		125	32-ball BGA
LTM2889-5 ²	±60	2.5		4	•	(adj 3 V to 5 V)	4.5 to 5.5		125	32-ball BGA

Controller Area Network (CAN) Transceivers

Part Number	Max Data Rate (Mbps)	Number of Nodes	Fault Protection (V)	ESD (kV)	Common-Mode Voltage (V)	Voltage Supply (V)	Max Temp (°C)	Packages
ADM3051	1	110	±24	4	−7.0 to +12.0	4.5 to 5.5	125	8-lead SOIC
LT1796	0.125	256	±60	15 Level 4	−7.0 to +12.0	4.75 to 5.25	85	8-lead SOIC, 8-lead PDIP
LTC2875 ³	4	166	±60	25	−36.0 to +36.0	3.0 to 3.6 or 4.5 to 5.5	125	8-lead SOIC, 8-lead DFN

LVDS (Low Voltage Differential Signaling) Isolators

Part Number	Max Data Rate (Mbps)	Max Prop Delay (ns)	Number of Channels	Inputs		Insulation Rating (kV rms)	Working Voltage (V rms/V _{peak})	Special Features	Max Temp (°C)	Packages
				Side 1	Side 2					
ADN4650	600	4.5	2	2	0	5	300/424	—	125	20-lead SOIC_W, 20-lead SSOP
ADN4651	600	4.5	2	1	1	5	300/424	Fail-safe	125	20-lead SOIC_W, 20-lead SSOP
ADN4652	600	4.5	2	1	1	5	300/424	Fail-safe	125	20-lead SOIC_W, 20-lead SSOP

LVDS Drivers and Receivers

Part Number	Max Data Rate (Mbps)	Drivers/Receivers	Fail-Safe	ESD (kV)	Voltage Supply (V)	Max Temp (°C)	Packages
ADN4661	600	1/0	Open, short	±15	3.0 to 3.6	85	8-lead SOIC
ADN4662	400	0/1	Open, short	±15	3.0 to 3.6	85	8-lead SOIC
ADN4663	600	2/0	Open, short	±15	3.0 to 3.6	85	8-lead SOIC
ADN4664	400	0/2	Open, short	±15	3.0 to 3.6	85	8-lead SOIC
ADN4665	400	4/0	Open, short	±15	3.0 to 3.6	85	16-lead TSSOP, 16-lead SOIC
ADN4666	400	0/4	Open, short	±8	3.0 to 3.6	85	16-lead SOIC, 16-lead TSSOP
ADN4667 ¹	400	4/0	Open, short	±15	3.0 to 3.6	85	16-lead TSSOP, 16-lead SOIC
ADN4668	400	0/4	Open, short	±15	3.0 to 3.6	85	16-lead SOIC, 16-lead TSSOP

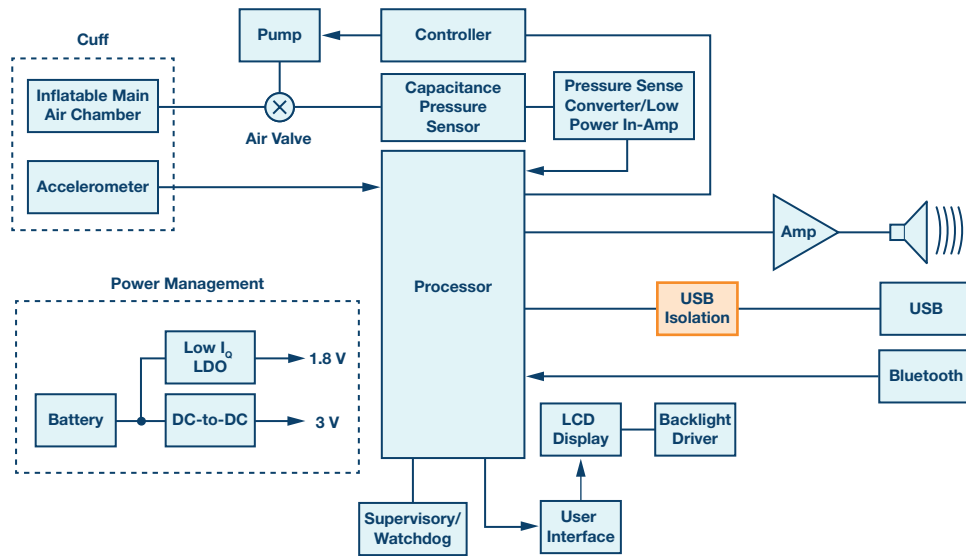
M-LVDS (Multipoint Low Voltage Differential Signaling) Transceivers

Part Number	Max Data Rate (Mbps)	Duplex	Number of Nodes	ESD (kV)	Interface Features	Shutdown	Voltage Supply (V)	Max Temp (°C)	Packages
ADN4690E	100	Half	32	±15	M-LVDS Rx Type 1	•	3.0 to 3.6	85	8-lead SOIC
ADN4691E	200	Half	32	±15	M-LVDS Rx Type 1	•	3.0 to 3.6	85	8-lead SOIC
ADN4692E	100	Full	32	±15	M-LVDS Rx Type 1	•	3.0 to 3.6	85	14-lead SOIC
ADN4693E	200	Full	32	±15	M-LVDS Rx Type 1	•	3.0 to 3.6	85	14-lead SOIC
ADN4694E	100	Half	32	±15	M-LVDS Rx Type 2	•	3.0 to 3.6	85	8-lead SOIC
ADN4695E	100	Full	32	±15	M-LVDS Rx Type 2	•	3.0 to 3.6	85	14-lead SOIC
ADN4696E	200	Half	32	±15	M-LVDS Rx Type 2	•	3.0 to 3.6	85	8-lead SOIC
ADN4697E	200	Full	32	±15	M-LVDS Rx Type 2	•	3.0 to 3.6	85	14-lead SOIC

¹ Automotive qualified models available. Please visit product page for more information.² Logic supply voltage range (V_L or V_{IO}), 1.6 V to 5.5 V.³ Enhanced products (EP) qualified models available. Please visit product page for more information.



Noninvasive Blood Pressure (NiBP) Measurement Signal Chain



USB 2.0 Isolators

Part Number	Insulation Rating (kV rms)	Data Rate (Mbps)		Integrated Isolated Power	Isolated Power Output	ESD Protection (kV)	Max Temp (°C)	Packages
		Low Speed	Full Speed					
ADuM3160 ¹	2.5	1.5	12				105	16-lead SOIC_W
ADuM4160	5	1.5	12			10	105	16-lead SOIC_W, 16-lead SOIC_IC
LTM2884	2.5	1.5	12	•	2.5 W at 5 V ($V_{CC} = 8.6$ V to 16.5 V) or 1 W at 5 V ($V_{CC} = 4.4$ V to 8.6 V)	15	105	44-ball BGA
LTM2894	7.5	1.5	12			20	125	24-ball BGA

I²C Isolators

Part Number	Insulation Rating (kV rms)	Power Supply (V)	Serial Data	Serial Clock	Max Frequency (kHz)	Integrated, Isolated Power	Isolated Power Output	Max Temp (°C)	Packages
ADM3260	2.5	3.0 to 5.5	Bidirectional	Bidirectional	1000	•		105	20-lead SSOP
ADuM1250 ¹	2.5	3.0 to 5.5	Bidirectional	Bidirectional	1000			125	8-lead SOIC
ADuM1251 ¹	2.5	3.0 to 5.5	Bidirectional	Unidirectional	1000			125	8-lead SOIC
ADuM2250 ¹	5	3.0 to 5.5	Bidirectional	Bidirectional	1000			105	16-lead SOIC_W, 16-lead SOIC_IC
ADuM2251 ¹	5	3.0 to 5.5	Bidirectional	Unidirectional	1000			105	16-lead SOIC_W, 16-lead SOIC_IC
LTM2883-3I ²	2.5	3.0 to 3.6	Bidirectional	Unidirectional	400	•	0.6 W (adj 3 V to 5 V, adj 12 V, adj -12 V)	105	32-ball BGA
LTM2883-5I ²	2.5	4.5 to 5.5	Bidirectional	Unidirectional	400	•	0.6 W (adj 3 V to 5 V, adj 12 V, adj -12 V)	105	32-ball BGA
LTM2886-3I ²	2.5	3.0 to 3.6	Bidirectional	Unidirectional	400	•	1 W (adj 3 V to 5 V, 5 V, -5 V)	125	32-ball BGA
LTM2886-5I ²	2.5	4.5 to 5.5	Bidirectional	Unidirectional	400	•	1 W (adj 3 V to 5 V, 5 V, -5 V)	125	32-ball BGA
LTM2887-3I ²	2.5	3.0 to 3.6	Bidirectional	Unidirectional	400	•	1 W (adj 1.8 V to 5 V, adj 0.6 V to 5 V)	125	32-ball BGA
LTM2887-5I ²	2.5	4.5 to 5.5	Bidirectional	Unidirectional	400	•	1 W (adj 1.8 V to 5 V, adj 0.6 V to 5 V)	125	32-ball BGA
LTM2892-I ²	3.5	3.0 to 5.5	Bidirectional	Unidirectional	400			125	24-ball BGA

¹ Automotive qualified models available. Please visit product page for more information.

² Logic supply voltage range (V_L or V_{DD}) 3 V to 5.5 V. LTM2883, LTM2887, LTM2892 include aux channels.

I²C Buffers and Rise Time Accelerators

Part Number	Hot Swappable	Rise Time Accelerator	Bidirectional Level Translation (V)	Stuck Bus Disconnect/ Recovery	Enable	Ready	V _{CC2}	GPIO or Fault	HBM ESD (kV)	Bus Frequency	Max Temp (°C)	Packages
LTC4300A-1 ¹	•	•	2.7 to 5.5		•	•			±2	400	85	8-lead MSOP
LTC4300A-2 ¹	•	• ²	2.7 to 5.5				•		±2	400	85	8-lead MSOP
LTC4300A-3 ¹	•	•	2.7 to 5.5		•		•		±2	400	85	8-lead MSOP, 8-lead DFN
LTC4301 ¹	•		2.7 to 5.5		•	•			±10	400	85	8-lead MSOP, 8-lead DFN
LTC4301L ¹	•		1 to 2.7/5.5 ³		•	•			±10	400	85	8-lead MSOP, 8-lead DFN
LTC4302-1 ¹	•	• ²	2.7 to 5.5		•			•	±2	400	85	10-lead MSOP
LTC4302-2 ¹	•	• ²	2.7 to 5		•		•	•	±2	400	85	10-lead MSOP
LTC4303 ¹	•	•	2.7 to 5.5	•	•	•			±15	400	85	8-lead MSOP, 8-lead DFN
LTC4304 ¹	•	• ²	2.7 to 5.5	•	•	•		•	±15	400	85	10-lead MSOP, 10-lead DFN
LTC4307 ¹	•	•	2.7 to 5.5	•	•	•			±5	400	85	8-lead MSOP, 8-lead DFN
LTC4307-1 ¹	•		2.7 to 5.5		•	•			±5	400	85	8-lead MSOP, 8-lead DFN
LTC4308	•	•	1.8 to 2.3/ 5.5 ⁴	•	•	•			±6	400	85	8-lead MSOP, 8-lead DFN
LTC4309	•	• ²	1 to 2.3/5.5 ⁵	•	•	•	•	•	±6	400	85	16-lead SSOP_N, 12-lead DFN
LTC4310-1 ¹	•	•	3 to 5.5	•	•	•			±5	100	85	10-lead MSOP, 10-lead DFN
LTC4310-2 ¹	•	•	3 to 5.5	•	•	•			±5	400	85	10-lead MSOP, 10-lead DFN
LTC4311 ¹		•			•				±8	400	85	6-lead DFN, 6-lead SC70
LTC4313-1/ LTC4313-2	•	•	3.3 to 5.0	•	•	•			±4	400	85	8-lead MSOP, 8-lead DFN
LTC4313-3	•		1.5 to 5.5	•	•	•			±4	400	85	8-lead MSOP, 8-lead DFN
LTC4315 ¹	•	• ²	1.5 to 5.5	•	•	•	•	•	±4	400	85	12-lead MSOP, 12-lead DFN
LTC4331 <i>New</i>				•	•	•		•	±40	1000	125	20-lead QFN

I²C Multiplexers and Address Translators

Part Number	Mux	Data Rate (kHz)	Supply Voltage (V)	Bus Voltage (V)	Channel Select	Bus Buffer	Rise Time Accelerator Options	GPIO	Stuck Bus Circuitry	HBM ESD (kV)	Address Translation	Max Temp (°C)	Packages
LTC4305	1:2	400	2.7 to 5.5	2.2 to 5.5	I ² C bus	•	Strong/off		Disconnect	±10		85	16-lead DFN, 16-lead SSOP_N
LTC4306	1:4	400	2.7 to 5.5	2.2 to 5.5	I ² C bus	•	Strong/off	×2	Disconnect	±10		85	24-lead QFN, 24-lead SSOP
LTC4312 ¹	1:2	400	2.9 to 5.5	1.5 to 5.5	Enable pin	•	Strong/ 2 mA/off		Disconnect and recovery	±4		85	14-lead DFN, 16-lead MSOP
LTC4314 ¹	1:4	400	2.9 to 5.5	1.5 to 5.5	Enable pin	•	Strong/ 2 mA/off		Disconnect and recovery	±4		85	20-lead QFN, 20-lead SSOP_N
LTC4316	1:1	400	2.25 to 5.5	2.5 to 5.5	Enable pin				Timeout	±4	•	85	10-lead DFN, 10-lead MSOP
LTC4317	1:2	400	2.25 to 5.5	2.5 to 5.5	Enable pin				Timeout	±4	•	85	16-lead DFN
LTC4318	2× 1:1	400	2.25 to 5.5	2.5 to 5.5	Enable pin				Timeout	±4	•	85	20-lead QFN

¹ Automotive qualified models available. Please visit product page for more information.² Rise time accelerator circuitry can be disabled.³ SCL_{IN} and SDA_{IN} down to 1 V, SDA_{OUT} from 2.7 V to 5.5 V.⁴ SCL_{IN} and SDA_{IN} down to 1.8 V, SDA_{OUT} and SCL_{OUT} from 2.3 V to 5.5 V.⁵ SCL_{IN} and SDA_{IN} down to 1 V, SDA_{OUT} and SCL_{OUT} from 2.3 V to 5.5 V.

SPI Digital Isolators—SPIsolator or μ Module Isolated SPI

Part Number	Product Feature	Power Supply (V)	Insulation Rating (kV rms)	No. Auxiliary Inputs		Slave Ports	Max SPI CLK Rate (MHz)	Integrated Isolated Power	Isolated Power Output	Max Temp (°C)	Packages
				Side 1	Side 2						
ADuM3150	High speed	3.0 to 5.5	3.75	1	1	1	40			125	20-lead SSOP
ADuM3151	Aux channels	3.0 to 5.5	3.75	2	1	1	17			125	20-lead SSOP
ADuM3152	Aux channels	3.0 to 5.5	3.75	1	2	1	17			125	20-lead SSOP
ADuM3153	Aux channels	3.0 to 5.5	3.75	0	3	1	17			125	20-lead SSOP
ADuM3154	Multiple slave support	3.0 to 5.5	3.75	0	0	4	17			125	20-lead SSOP
ADuM4150	High speed	3.0 to 5.5	5	1	1	1	40			125	20-lead SOIC_IC
ADuM4151	Aux channels	3.0 to 5.5	5	2	1	1	17			125	20-lead SOIC_IC
ADuM4152	Aux channels	3.0 to 5.5	5	1	2	1	17			125	20-lead SOIC_IC
ADuM4153	Aux channels	3.0 to 5.5	5	0	3	1	17			125	20-lead SOIC_IC
ADuM4154	Multiple slave support	3.0 to 5.5	5	0	0	4	17			125	20-lead SOIC_IC
LTM2883-3S ¹	Aux channels	3.0 to 3.6	2.5	0	2	1	8	•	0.6 W (adj 3 V to 5 V, adj 12 V, adj -12 V)	105	32-ball BGA
LTM2883-5S ¹	Aux channels	4.5 to 5.5	2.5	0	2	1	8	•	0.6 W (adj 3 V to 5 V, adj 12 V, adj -12 V)	105	32-ball BGA
LTM2886-3S ¹	Aux channels	3.0 to 3.6	2.5	0	2	1	8	•	1 W (adj 3 V to 5 V, 5 V, -5 V)	125	32-ball BGA
LTM2886-5S ²	Aux channels	4.5 to 5.5	2.5	0	2	1	8	•	1 W (adj 3 V to 5 V, 5 V, -5 V)	125	32-ball BGA
LTM2887-3S ¹	Aux channels	3.0 to 3.6	2.5	0	2	1	8	•	1 W (adj 1.8 V to 5 V, adj 0.6 V to 5 V)	125	32-ball BGA
LTM2887-5S ¹	Aux channels	4.5 to 5.5	2.5	0	2	1	8	•	1 W (adj 1.8 V to 5 V, adj 0.6 V to 5 V)	125	32-ball BGA
LTM2892-S ¹	Aux channels	3.0 to 5.5	3.5	0	2	1	8			125	24-ball BGA
LTM2893 ²	ADC	3.0 to 5.5	6	0 to 3	0 to 3	2	100			125	36-ball BGA
LTM2895 ²	DAC	3.0 to 5.5	6	0 to 3.3	0 to 3	2	100			125	36-ball BGA

Isolated RS-232 Transceivers

Part Number	Insulation Rating (kV rms)	ESD Protection (kV)	Max Data Rate (kbps)	Number Tx	Number Rx	Integrated Isolated Power	Isolated Power Output	Supply Voltage	Aux Channel (Mbps)	Max Temp (°C)	Packages
ADM3251E	2.5	15	460	1	1	•		4.5 to 5.5		85	20-lead SOIC_W
ADM3252E	2.5	15	460	2	2	•		3.0 to 5.5		85	44-ball BGA
LTM2882-3	2.5	10	1000	2	2	•	1 W (5 V)	3.0 to 3.6	10	105	32-ball BGA, 32-lead LGA
LTM2882-5	2.5	10	1000	2	2	•	1 W (5 V)	4.5 to 5.5	10	105	32-ball BGA, 32-lead LGA

RS-232 Transceivers

Part Number	Drivers/Receivers	Data Rate	ESD (kV)	Driver Disable	Rx Active in Shutdown	Shutdown Mode	Supply (V)	Max Temp (°C)	Packages
AD7306	3/2	100 kbps					4.75 to 5.25	85	24-lead PDIP, 24-lead SOIC_W
ADM101E ³	1/1	460 kbps	±15		1	•	4.5 to 5.5	85	10-lead MSOP
ADM1181A	2/2	230 kbps	±15				4.5 to 5.5	85	16-lead PDIP, 16-lead SOIC_W
ADM1385	2/2	460 kbps			2	•	3.0 to 3.6	85	20-lead SSOP
ADM202	2/2	120 kbps					4.5 to 5.5	70	16-lead PDIP, 16-lead SOIC_W, 16-lead SOIC
ADM202E	2/2	230 kbps	±15				4.5 to 5.5	85	16-lead SOIC, 16-lead PDIP, 16-lead TSSOP, 16-lead SOIC_W

¹ Logic supply voltage range (V_L or V_{DD}) 1.6 V to 5.5 V.² Logic supply voltage range (V_L or V_{DD}) 1.71 V to 5.5 V.³ Automotive qualified models available. Please visit product page for more information.

RS-232 Transceivers (Continued)

Part Number	Drivers/ Receivers	Data Rate	ESD (kV)	Driver Disable	Rx Active in Shutdown	Shutdown Mode	Supply (V)	Max Temp (°C)	Packages
ADM206	4/3	120 kbps			0	•	4.5 to 5.5	85	24-lead PDIP, 24-lead SSOP, 24-lead SOIC_W
ADM206E	4/3	230 kbps	±15		0	•	4.5 to 5.5	85	24-lead SOIC_W
ADM207	5/3	120 kbps					4.5 to 5.5	85	24-lead PDIP, 24-lead SOIC_W, 24-lead SSOP
ADM207E	5/3	230 kbps	±15				4.5 to 5.5	85	24-lead PDIP, 24-lead SSOP, 24-lead SOIC_W, 24-lead TSSOP
ADM208	4/4	120 kbps					4.5 to 5.5	85	24-lead PDIP, 24-lead SOIC_W, 24-lead SSOP
ADM208E	4/4	230 kbps	±15				4.5 to 5.5	85	24-lead PDIP, 24-lead SSOP, 24-lead TSSOP, 24-lead SOIC_W
ADM211	4/5	120 kbps			0	•	4.5 to 5.5	85	28-lead SOIC_W, 28-lead SSOP
ADM211E	4/5	230 kbps	±15		0	•	4.5 to 5.5	85	28-lead TSSOP, 28-lead SOIC_W, 28-lead SSOP
ADM213	4/5	120 kbps			2	•	4.5 to 5.5	85	28-lead SOIC_W, 28-lead SSOP
ADM213E	4/5	230 kbps	±15		2	•	4.5 to 5.5	85	28-lead SOIC_W, 28-lead SSOP, 28-lead TSSOP
ADM2209E	6/10	920 kbps	±15		2	•	3.15 to 13.2	85	38-lead TSSOP
ADM222	2/2	200 kbps			0	•	4.5 to 5.5	85	18-lead PDIP, 18-lead SOIC_W
ADM232A	2/2	200 kbps					4.5 to 5.5	85	16-lead SOIC, 16-lead SOIC_W, 16-lead PDIP
ADM232L	2/2	120 kbps					4.5 to 5.5	85	16-lead SOIC_W, 16-lead PDIP
ADM233L	2/2	120 kbps					4.75 to 5.25	85	20-lead PDIP
ADM237L	5/3	120 kbps					4.75 to 5.25	85	24-lead PDIP, 24-lead SOIC_W
ADM238L	4/4	120 kbps					4.5 to 5.5	85	24-lead PDIP, 24-lead SOIC_W,
ADM241L	4/5	120 kbps			0	•	4.5 to 5.5	85	28-lead SSOP, 28-lead SOIC_W
ADM242	2/2	200 kbps			2	•	4.5 to 5.5	85	18-lead PDIP, 18-lead SOIC_W
ADM3101E	1/1	460 kbps	±15				3.0 to 5.5	85	12-lead LFCSP_WQ, 16-lead QSOP
ADM3202	2/2	460 kbps	±15				3.0 to 5.5	85	16-lead SOIC_W, 16-lead SOIC, 16-lead TSSOP, 16-lead PDIP
ADM3222	2/2	460 kbps			2	•	3.0 to 3.6	85	18-lead PDIP, 20-lead SSOP, 20-lead TSSOP, 18-lead SOIC_W
ADM3232E	2/2	460 kbps	±15				3.0 to 5.5	85	16-lead SOIC, 16-lead SOIC_W, 16-lead TSSOP
ADM3307E	5/3	1 Mbps	±15		1	•	2.7 to 3.6	85	32-lead LFCSP, 28-lead TSSOP
ADM3310E	3/5	460 kbps	±15		2	•	2.7 to 3.6	85	32-lead LFCSP, 28-lead TSSOP
ADM3311E	3/5	460 kbps	±15		1	•	2.7 to 3.6	85	32-lead LFCSP, 28-lead SSOP, 28-lead TSSOP

RS-232 Transceivers (Continued)

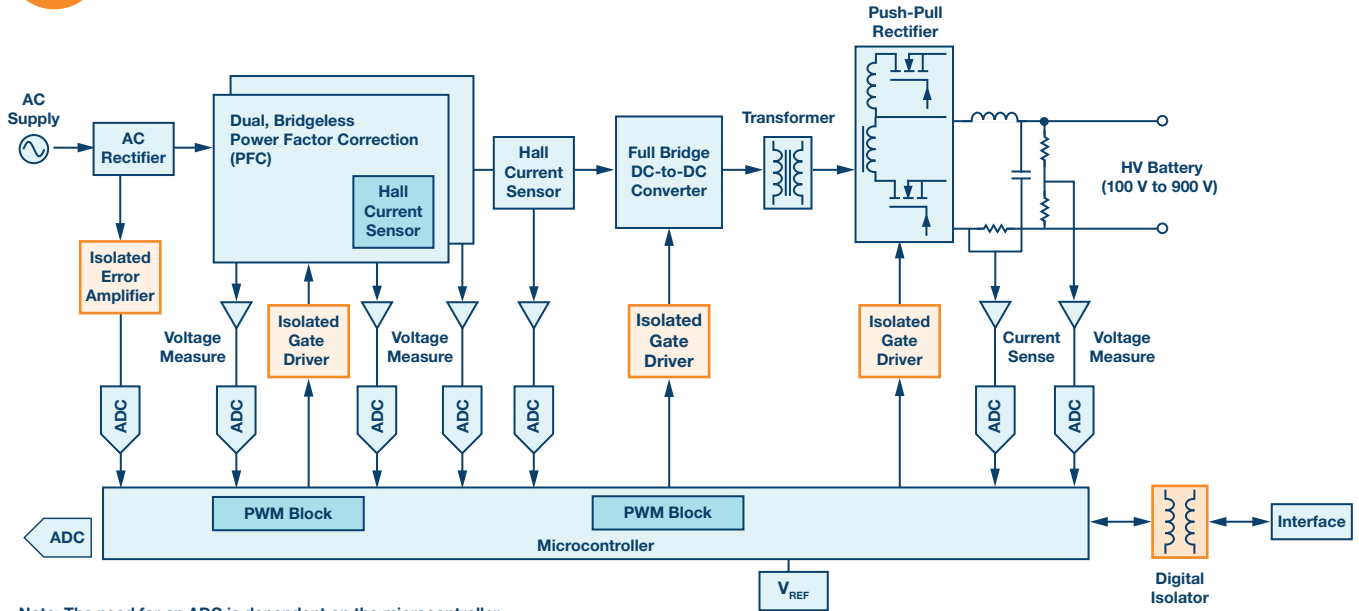
Part Number	Drivers/ Receivers	Data Rate	ESD (kV)	Driver Disable	Rx Active in Shutdown	Shutdown Mode	Supply (V)	Max Temp (°C)	Packages
ADM3312E	3/3	460 kbps	±15		1	•	2.7 to 3.6	85	32-lead LFCSP, 24-lead TSSOP
ADM3315E	3/3	460 kbps	±15		1	•	2.7 to 3.6	85	32-lead LFCSP 24-lead TSSOP
ADM5170	8/0	116 kbps			0	•	9.0 to 15.0	85	28-lead PDIP, 28-lead PLCC
ADM560	4/5	116 kbps			2	•	3.0 to 3.6	70	28-lead SOIC_W, 28-lead SSOP
ADM561	4/5	116 kbps			0	•	3.0 to 3.6	70	28-lead SSOP, 28-lead SOIC_W
LT1032	4/0	250 kbps	±2			•	4.75 to 5.25	85	16-lead SOIC_W, 14-lead PDIP
LT1039A	3/3	250 kbps	±15		1	•	4.75 to 5.25	85	18-lead SOIC_W, 18-lead PDIP
LT1039A-16	3/3	250 kbps	±15				4.75 to 5.25	85	16-lead SOIC, 16-lead PDIP
LT1080	2/2	120 kbps	±2			•	4.5 to 5.5	85	18-lead SOIC_W, 18-lead PDIP
LT1081	2/2	120 kbps	±2				4.5 to 5.5	85	16-lead SOIC_W, 16-lead PDIP
LT1130A	5/5	250 kbps	±10				4.75 to 5.25	85	28-lead SOIC_W, 28-lead PDIP
LT1131A	5/4	250 kbps	±10	•		•	4.75 to 5.25	70	28-lead SOIC_W, 28-lead PDIP
LT1132A	5/3	250 kbps	±10				4.75 to 5.25	85	24-lead SOIC_W, 24-lead PDIP
LT1133A	3/5	250 kbps	±15				4.75 to 5.25	85	24-lead SOIC_W, 24-lead PDIP
LT1134A	4/4	250 kbps	±10				4.75 to 5.25	85	24-lead SOIC_W, 24-lead PDIP
LT1135A	5/3	250 kbps	±10				4.75 to 5.25	70	20-lead SOIC_W, 20-lead PDIP
LT1136A	4/5	250 kbps	±10	•		•	4.75 to 5.25	70	28-lead SOIC_W, 28-lead PDIP
LT1137A	3/5	250 kbps	±15	•		•	4.75 to 5.25	85	28-lead SSOP, 28-lead SOIC_W, 28-lead PDIP
LT1138A	5/3	250 kbps	±10	•		•	4.75 to 5.25	85	28-lead SSOP, 28-lead SOIC_W, 28-lead PDIP_W
LT1139A	4/4	250 kbps	±10			•	4.75 to 5.25	70	24-lead SOIC_W, 24-lead PDIP
LT1140A	5/3	250 kbps	±10	•		•	4.75 to 5.25	70	24-lead SOIC_W, 24-lead PDIP
LT1141A	3/5	250 kbps	±10	•		•	4.75 to 5.25	70	24-lead SOIC_W, 24-lead PDIP
LT1180A	2/2	250 kbps	±10			•	4.5 to 5.5	85	18-lead SOIC_W, 18-lead PDIP
LT1181A	2/2	250 kbps	±10				4.5 to 5.5	85	16-lead SOIC_W, 16-lead PDIP
LT1237	3/5	250 kbps	±15	•	1	•	4.75 to 5.25	70	28-lead SSOP, 28-lead SOIC_W, 28-lead PDIP_W
LT1280A	2/2	250 kbps	±10			•	4.5 to 5.5	85	18-lead SOIC_W, 18-lead PDIP
LT1281A	2/2	250 kbps	±10				4.5 to 5.5	85	16-lead SOIC_W, 16-lead PDIP
LT1330	3/5	250 kbps	±10	•	1	•	V _{CC} 4.75 to 5.25, V _L 3.0 to 5.0	70	28-lead SSOP, 28-lead SOIC_W, 28-lead PDIP_W
LT1331	3/5	250 kbps	±10	•	1	•	3.0 to 6.0	70	28-lead SSOP, 28-lead SOIC_W, 28-lead PDIP_W

RS-232 Transceivers (Continued)

Part Number	Drivers/ Receivers	Data Rate	ESD (kV)	Driver Disable	Rx Active in Shutdown	Shutdown Mode	Supply (V)	Max Temp (°C)	Packages
LT1342	3/5	250 kbps	±10	•		•	V _{CC} 4.75 to 5.25, V _L 3.0 to 5.0	70	28-lead SSOP, 28-lead SOIC_W, 28-lead PDIP_W
LT1381	2/2	250 kbps	±10				4.5 to 5.5	85	16-lead SOIC, 16-lead PDIP
LT1537	3/5	250 kbps	±5	•		•	4.75 to 5.25	70	28-lead SSOP, 28-lead SOIC_W
LT1780	2/2	250 kbps	±15			•	4.5 to 5.5	85	18-lead SOIC_W, 18-lead PDIP
LT1781	2/2	250 kbps	±15				4.5 to 5.5	85	16-lead SOIC, 16-lead SOIC_W, 16-lead PDIP
LTC1327	3/5	120 kbps	±10			•	3.0 to 3.6	70	28-lead SSOP, 28-lead SOL, 28-lead PDIP
LTC1337	3/5	120 kbps	±10			•	4.75 to 5.25	70	28-lead SSOP, 28-lead SOIC_W, 28-lead PDIP_W
LTC1338	5/3	120 kbps	±10	•		•	4.75 to 5.25	85	28-lead SSOP, 28-lead SOL, 28-lead PDIP
LTC1347	3/5	120 kbps	±10		5	•	4.75 to 5.25	70	28-lead SSOP, 28-lead SOIC_W, 28-lead PDIP_W
LTC1348	3/5	120 kbps	±10	•	5	•	3.0 to 5.5	85	28-lead SSOP, 28-lead SOIC_W
LTC1349	3/5	120 kbps	±10		2	•	4.75 to 5.25	85	28-lead SSOP, 28-lead SOIC_W, 28-lead PDIP_W
LTC1350	3/5	120 kbps	±10		2	•	3.0 to 3.6	85	28-lead SSOP, 28-lead SOIC_W, 28-lead PDIP_W
LTC1382	2/2	120 kbps	±10			•	4.5 to 5.5	85	18-lead SOIC_W, 18-lead PDIP
LTC1383	2/2	120 kbps	±10				4.5 to 5.5	85	16-lead SOIC, 16-lead PDIP
LTC1384	2/2	120 kbps	±10		2	•	4.5 to 5.5	85	20-lead SSOP, 18-lead PDIP, 18-lead SOIC_W
LTC1385	2/2	120 kbps	±10	•		•	3.0 to 3.6	85	20-lead SSOP, 18-lead SOIC_W, 18-lead PDIP
LTC1386	2/2	120 kbps	±10				3.0 to 3.6	85	16-lead SOIC
LTC2801	1/1	250 kbps	±10	•	1	•	1.8 to 5.5	85	12-lead DFN
LTC2802	1/1	1 Mbps	±10	•	1	•	1.8 to 5.5	85	12-lead DFN
LTC2803	2/2	250 kbps	±10	•	2	•	1.8 to 5.5	85	16-lead DFN
LTC2803-1	2/2	250 kbps	±10	•		•	1.8 to 5.5	85	16-lead SSOP_N
LTC2804	2/2	1 Mbps	±10	•	2	•	1.8 to 5.5	85	16-lead DFN
LTC2804-1	2/2	1 Mbps	±10	•		•	1.8 to 5.5	85	16-lead SSOP_N



EV On-Board Charger Signal Chain



Isolated Gate Drivers

Part Number	Isolated Channels	Insulation Rating (kV rms)	Min Pulse Width (ns)	Output Voltage Range (V)	Output Current (A_{PEAK})	Power Level (mW)	Input Logic Levels	Max Temp (°C)	Package
ADuM4121-1	1	5	50	4.5 to 35	2		CMOS	125	8-lead SOIC_IC
ADuM4121	1	5	50	4.5 to 35	2		CMOS	125	8-lead SOIC_IC
ADuM4120-1	1	5	50	4.5 to 35	2		CMOS	125	6-lead SOIC_IC
ADuM4120	1	5	50	4.5 to 35	2		CMOS	125	6-lead SOIC_IC
ADuM4138 ¹	1	5	50	12 to 24	6		CMOS	150	28-lead SOIC_W
ADuM3123	1	3	50	4.5 to 18	4		CMOS	125	8-lead SOIC_N
ADuM4135	1	5	50	12 to 35	4		CMOS	125	16-lead SOIC_W
ADuM4136	1	5	50	12 to 35	4		CMOS	125	16-lead SOIC_W
ADuM6132	1	3.7	50	12.5 to 17	0.2	275	CMOS	85	16-lead SOIC_W
ADuM7234	2	1	100	12 to 18	4		CMOS	105	16-lead SOIC_N
ADuM1233	2	2.5	80	12 to 18	0.1		TTL	105	16-lead SOIC_W
ADuM1234	2	2.5	100	12 to 18	0.1		CMOS	105	16-lead SOIC_W
ADuM3220 ¹	2	2.5	50	4.5 to 18	4		CMOS	125	8-lead SOIC_N
ADuM3221 ^{1,2}	2	2.5	50	4.5 to 18	4		CMOS	125	8-lead SOIC_N
ADuM5230 ¹	2	2.5	100	12 to 18	0.1	150	CMOS	105	16-lead SOIC_W
ADuM7223	2	2.5	50	4.5 to 18	4		CMOS	125	14-pad LGA
ADuM3223 ¹	2	3	50	4.5 to 18	4		CMOS	125	16-lead SOIC_N
ADuM3224 ^{1,3}	2	3	50	4.5 to 18	4		CMOS	125	16-lead SOIC_N
ADuM4223 ¹	2	5	50	4.5 to 18	4		CMOS	125	16-lead SOIC_W
ADuM4224 ^{1,3}	2	5	50	4.5 to 18	4		CMOS	125	16-lead SOIC_W



Isolated Gate Driver

Analog Devices' small form factor isolated gate drivers are designed for the higher switching speeds and system size constraints required by power switch technologies such as SiC (silicon carbide) and GaN (gallium nitride), while still providing reliable control over switching characteristics for IGBT (insulated gate bipolar transistor) and MOSFET (metal oxide semiconductor field effect transistor) configurations. These isolated gate drivers leverage ADI's proven iCoupler isolation technology combined with high speed CMOS and monolithic transformer technology to enable ultralow propagation delay without sacrificing common-mode transient immunity (CMTI) performance. High pulse fidelity architecture enables motor power efficiency to meet new required efficiency levels, and superior timing performance stability reduces voltage distortion, as well as harmonic and output power content on solar inverters.

¹ Automotive qualified models available. Please visit product page for more information.

² Enhanced products (EP) qualified models available. Please visit product page for more information.

³ The ADuM3224 and ADuM4224 are versions of the ADuM3223 and ADuM4223. Unlike the ADuM3223 and ADuM4223, they do not offer thermal shutdown.

Isolated Amplifiers

Part Number	Insulation Rating (kV rms)	−3 dB Bandwidth (kHz)	Accuracy (%)	V _{IN} Min (mV)	V _{IN} Max (V)	V _{OUT} Min (mV)	V _{OUT} Max (V)	Max Temp (°C)	Package
ADuM3190 ¹	2.5	400	1	400	1.5	400	5	125	16-lead QSOP
ADuM4190 ²	5	400	1	400	1.5	400	5	125	16-lead SOIC_IC

IO-Link Transceivers

Part Number	IO-Link Type	Drivers/Receivers	Max Data Rate (Mbps)	Supply Voltage (V)	Overvoltage Protection (V)	Load Current (mA)	LDO (mA)	Adj Slew	Wake-Up Pulse	L+ Hot Swap	Max Temp (°C)	Packages
LT3669	Device	1/1	0.23	7.5 to 40	±60	100	150				150	28-lead QFN
LT3669-2	Device	1/1	0.23	7.5 to 40	±60	300	150				150	28-lead QFN
LTC2874	Master	4/4	0.23	8.0 to 34.0, V _L 2.9 to 5.5	±50			•	•	•	85	38-lead TSSOP

Isolated Switching Regulators with Integrated Power Transformers

Part Number	Number of Power Outputs	Isolation Rating (kV rms)	Input Voltage (V)		Output Voltage (V)		Output Ripple	Output Power (24 Max Temp (°C) to 5 V _{OUT}) (W)	LDO Output	Max Temp (°C)	Package
			Min	Max	Min	Max					
LTM8047	1	0.5	3.1	32	2.5	12	20 mV rms	1.5		125	45-ball BGA
LTM8048	2	0.5	3.1	32	1.2	12	20 μ V rms	1.5 combined	•	125	45-ball BGA
LTM8057	1	2	3.1	31	2.5	12	20 mV rms	1.5		125	38-ball BGA
LTM8058	2	2	3.1	31	1.2	12	20 μ V rms	1.5 combined	•	125	38-ball BGA
LTM8067	1	2	2.8	40	2.5	24	30 mV rms	2.25		125	38-ball BGA
LTM8068	2	2	2.8	40	1.2	18	20 μ V rms	2.25 combined	•	125	38-ball BGA
LTM8046	1	2	3.1	31	1.8	12	20 mV rms	2.75		125	51-ball BGA

Isolated Switching Regulators

Part Number	Number of Channels	Isolation Rating (kV rms)	Reverse Direction Options					Max Data Rate (Mbps)	Isolated Supply Output		Input Voltage (V)		LDO Output	Integrated Power Transformer	Max Temp (°C)	Package
			0	1	2	3	4		Current (mA)	Range (V)	Min	Max				
ADuM3070	0	2.5							500	3.3 to 24	3	5.5			105	16-lead QSOP
ADuM347x ¹	4	2.5	•	•	•	•	•	1, 25	400	3.3 to 24	3	5.5			105	20-lead SSOP
ADuM4070	0	5							500	3.3 to 24	3	5.5			105	16-lead SOIC_IC
ADuM447x	4	5	•	•	•	•	•	1, 25	500	3.3 to 24	3	5.5			105	20-lead SOIC_IC

Isolated Switch Controller

Part Number	Insulation Rating (kV rms)	ESD Protection (kV)	Configuration/ Programming Interface	Isolated Power Output	ADC Monitoring	Max Temp (°C)	Package
LTM9100	5	20	I ² C/SMBus	0.35 W (10.4 V), 75 mW (5 V)	(1) Current (2) Voltage	105	42-ball BGA

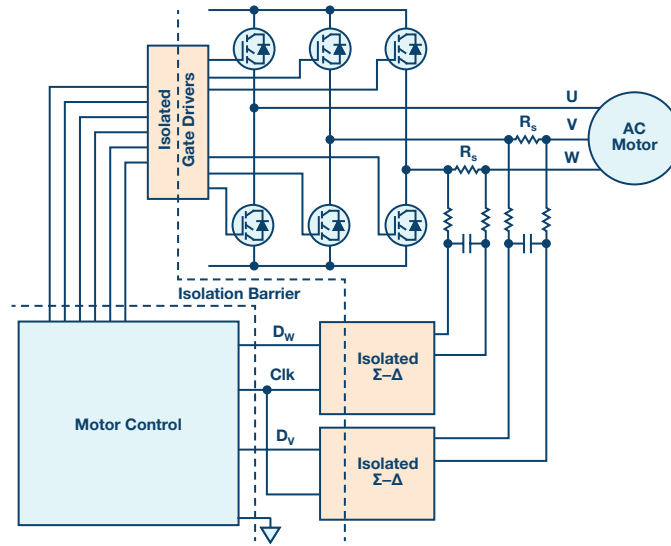
Isolated Flyback and Forward Controllers

Part Number	Insulation Rating (kV rms)	Topology	Frequency (typ)(kHz)	Integrated Primary and Secondary MOSFET driver (A)	V _{IN} (max) (V)	Max Temp (°C)	Package
ADP1071-1 New	5	Flyback	600	1	36	125	16-lead SOIC_W
ADP1071-2 New	5	Flyback	600	1	60	125	16-lead SOIC_W
ADP1074	5	Flyback, forward	600	1	60	125	24-pad LGA, 24 lead SOIC_W

¹ Automotive qualified models available. Please visit product page for more information.² Enhanced products (EP) qualified models available. Please visit product page for more information.



Motor Control with Reinforced Isolation Signal Chain



Isolated Analog-to-Digital Converters, Isolated Σ - Δ

Part Number	Insulation Rating (kV rms)	Resolution (Bits)	Clock Rate (MHz)	Clock Source	ADC SNR typ (dB)	SINAD typ (dB)	Config/Programming Interface	Power Supply Bus (V)	Max Temp (°C)	Package
AD7402-8	5	16	10	Internal	87	82	CMOS, serial	3.0 to 5.5	105	8-lead SOIC_W
AD7403-8	5	16	20	External	88	87	CMOS, serial	3.0 to 5.5	105	8-lead SOIC_IC
AD7400	5	16	10	Internal	71	70	CMOS, serial	3.0 to 5.5	105	16-lead SOIC_W
AD7400A	5	16	10	Internal	80	78	CMOS, serial	3.0 to 5.5	125	16-lead SOIC_W
AD7401	5	16	20	External	82	81	CMOS, serial	3.0 to 5.5	105	16-lead SOIC_W
AD7401A	5	16	20	External	83	82	CMOS, serial	3.0 to 5.5	125	16-lead SOIC_W
AD7403¹	5	16	20	External	88	87	CMOS, serial	3.0 to 5.5	125	16-lead SOIC_IC
AD7405	5	16	20	External	88	87	LVDS, serial	3.0 to 5.5	105	16-lead SOIC_IC
ADE7912	5	24	4	External	74	73	Serial	3.3	85	20-lead SOIC_IC
ADE7913	5	24	4	External	74	73	Serial	3.3	85	20-lead SOIC_IC



Isolated Analog-to-Digital

As the world's leading supplier of data converters, Analog Devices is constantly introducing new analog-to-digital converters (ADCs) that drive system architectures. In the motor control arena, ADI's converters solve the challenges associated with current and voltage monitoring, optical encoder feedback, and resolver-to-digital conversion. The introduction of the isolated ADC, with its 3.75 kV standoff voltage, is one example of ADI's breakthroughs in performance and integration to ease the burden of design.

¹ Enhanced products (EP) qualified models available. Please visit product page for more information.

EngineerZone® Online Support Community

Engage with the Analog Devices technology experts in our online support community. Ask your tough design questions, browse FAQs, or join a conversation.

Visit ez.analog.com



Circuits from the Lab Reference Designs

Circuits from the Lab® reference designs are built and tested by ADI engineers with comprehensive documentation and factory-tested evaluation hardware.

Visit analog.com/cftl

Circuits
from the **Lab**®
Reference Designs

Safety Certifications

The iCoupler family of digital isolation products has been tested and approved by various regulatory agencies, including UL, CSA, VDE, TÜV, CQC, and now, for intrinsic safety, ATEX and IECEx. For a full listing and downloadable PDF, visit analog.com/iCouplerSafety. Analog Devices' isolator µModule platforms are certified by safety houses including UL, CSA, and IEC.



Analog Devices, Inc. Worldwide Headquarters

Analog Devices, Inc.
One Technology Way
P.O. Box 9106
Norwood, MA 02062-9106
U.S.A.
Tel: 781.329.4700
(800.262.5643, U.S.A. only)
Fax: 781.461.3113

Analog Devices, Inc. Europe Headquarters

Analog Devices GmbH
Otto-Aicher-Str. 60-64
80807 München
Germany
Tel: 49.89.76903.0
Fax: 49.89.76903.157

Analog Devices, Inc. Japan Headquarters

Analog Devices, KK
New Pier Takeshiba
South Tower Building
1-16-1 Kaigan, Minato-ku,
Tokyo, 105-6891
Japan
Tel: 813.5402.8200
Fax: 813.5402.1064

Analog Devices, Inc. Asia Pacific Headquarters

Analog Devices
5F, Sandhill Plaza
2290 Zuchongzhi Road
Zhangjiang Hi-Tech Park
Pudong New District
Shanghai, China 201203
Tel: 86.21.2320.8000
Fax: 86.21.2320.8222

©2018 Analog Devices, Inc. All rights reserved. Trademarks and registered trademarks are the property of their respective owners. Ahead of What's Possible is a trademark of Analog Devices. G20806-0-11/18

analog.com



AHEAD OF WHAT'S POSSIBLE™