



PRODUCT SELECTION GUIDE

产品选型手册

Q4 2026

Union Semiconductor (Shanghai) Ltd.

盈力半导体（上海）有限公司

Add: Room 1302, Building #1, No. 333 Shengrong Road, Zhangjiang Hi-Tech Park, Shanghai
地址：上海市浦东新区张江高科技园区盛荣路333号1号楼1302室

Tel: +86-21-5109 3966

Fax: +86-21-5102 6018

E-mail: sales@union-ic.com

Union Microelectronics (Yancheng) Limited

英联微电子（盐城）有限公司

Add: Room 2007-2008, 20th Floor, North Building A1, Big Data Industrial Park, Xuehai Road, Kecheng Sub-district, Yannan High-Tech Zone, Yancheng, Jiangsu
地址：江苏省盐城市盐南高新区科城街道学海路大数据产业园A1号楼北楼20层2007-2008室

Tel: 0515-88160089

E-mail: sales@union-ic.com

Union Semiconductor International Ltd.

盈力半导体国际有限公司

Add: Unit 202, No.8 Science Park West Avenue, Hong Kong Science & Technology Park, NT, Hong Kong
地址：香港新界科技园区西大道8号14号楼202单元

Tel: +852-2210 7006

Fax: +852-8343 1122

E-mail: sales@union-ic.com

Union Microelectronics, Inc.

Add: 5201 Great America Pkwy, Suite 320, Santa Clara, CA 95054
Tel: +1-415-828 9597

E-mail: sales@union-ic.com

Union Semiconductor Sales Offices

盈力半导体销售办事处

Beijing Fuzhou Hangzhou
北京 福州 杭州

Shenzhen Wuhan
深圳 武汉

Contact Us:

联络方式:

MP: +86-177 6820 5385

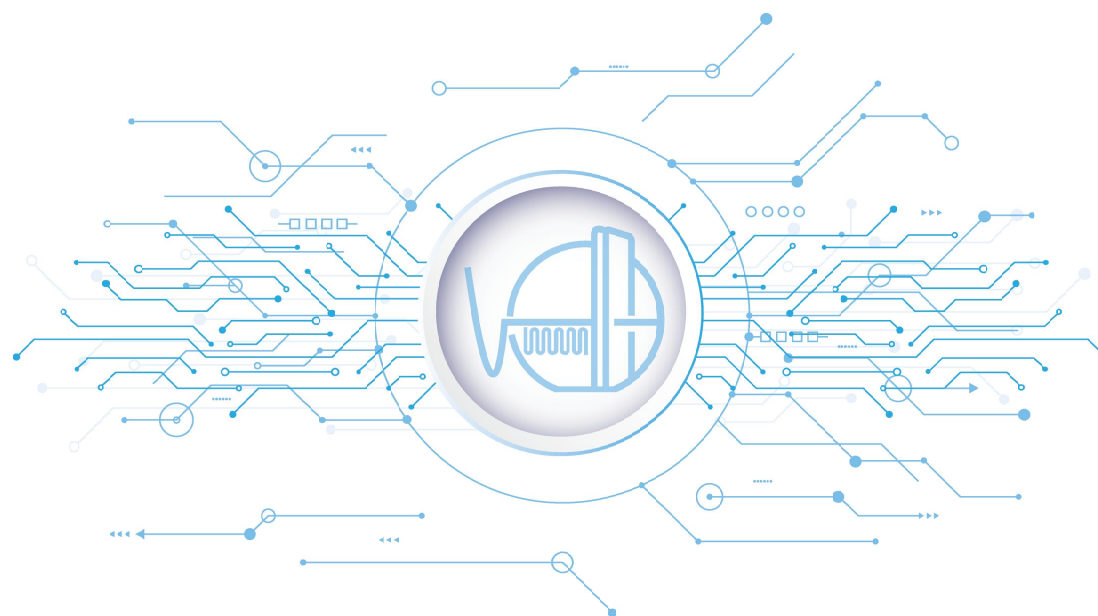
E-mail: sales@union-ic.com



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UNION SEMICONDUCTOR GROUP

盈力半导体集团

— www.union-ic.com —

公司介绍

我们是谁

盈力半导体是一家无晶圆厂的集成电路设计公司，致力于高性能线性和混合信号集成电路的研发、设计与销售，产品被应用于各类电子设备。

盈力半导体集团旗下子公司有上海英联电子科技有限公司、英联微电子（盐城）有限公司、盈力半导体国际有限公司等。

公司的产品通过检测、测量、放大、转换电源以及提供电路保护，桥接起了模拟世界与数字世界。

企业使命

公司使命是不断开发高质量和创新的模拟及混合信号集成电路解决方案，立足于中国，为全球客户的电子设备增值。

产品和应用

我们的产品包括接口收发芯片、电平转换芯片、隔离芯片、电源管理芯片、监控及复位芯片、模拟开关、ESD保护芯片和 EMI 滤波器。盈力半导体销售 1000 多种模拟集成电路，广泛应用于各种电子设备包括通讯、网络、电脑、工业、汽车、新能源、测试设备和数字消费电子产品等。

联系我们

盈力半导体集团

地址：上海市浦东新区张江高科技园区盛荣路333号1号楼1302室

邮政编码：201210

电话：+86-21-5109 3966

手机：+86-177 6820 5385

电邮：sales@union-ic.com

官网：www.union-ic.com

Company Profile

Who We Are

Union Semiconductor is a fabless integrated circuit design company, engaged in inventing, designing and marketing high performance linear and mixed-signal integrated circuits (ICs) for uses in a variety of electronic equipment.

Union Semiconductor's products bridge the analog real world and digital world by detecting, measuring, amplifying, converting power supply and providing protection for electronic circuits.

Corporate Mission

Union Semiconductor's mission is to continuously develop high quality and innovative analog & mixed signal IC solutions that adding values to customers' electronics equipment worldwide.

Products and Applications

Our products include interface transceivers, voltage translators, isolators, power management, supervisory and reset circuits, power supply circuits, analog switches, ESD protection ICs and EMI filters. Union Semiconductor markets over 1000 analog ICs for uses in a wide variety of electronic equipment. These include automotive, communication, computers, digital consumer electronics, green energy, industry, instrumentation, networking, portable devices, test equipment.

Contact Us

Union Semiconductor Group

Add: Room 1302, Building #1, No. 333 Shengrong Road, Zhangjiang Hi-Tech Park, Shanghai

Zip Code: 201210

Tel: +86-21-5109 3966

MP: +86-177 6820 5385

E-mail: sales@union-ic.com

Website: www.union-ic.com

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▶ RS-485 & RS-422 收发器 | RS-485 & RS-422 Transceivers

Part Number	Features	Duplex	Drivers/Receivers Per Package	Fault Protection (V)	Max Data Rate (Mbps)	Common-mode Range (V)	V _{CC} Range (V)	V _{IO} Range (V)	I _{CC} (max) (mA)	ESD HBM (kV)	IEC-61000-4-2 Contact (kV)	Operating Temperature Range (°C)	Package
UM3481	±18V bus fault	Half	1 / 1	-18 to +18	1	-15 to +15	3.0 to 5.5	—	2	±8	±8	-40 to 125	SOP8, MSOP8, DFN8 3.0×3.0
UM3481V	±18V bus fault, Flexible I/O supply	Half	1 / 1	-18 to +18	1	-15 to +15	3.0 to 5.5	1.65 to 5.5	1	±8	±8	-40 to 125	SOP8, MSOP8, DFN10 3.0×3.0
UM3481VS	±18V bus fault, Flexible I/O supply, Slew rate control	Half	1 / 1	-18 to +18	0.25 / 1	-15 to +15	3.0 to 5.5	1.65 to 5.5	1	±8	±8	-40 to 125	DFN10 3.0×3.0
UM3481D	±18V bus fault, Auto Direction control	Half	1 / 1	-18 to +18	1	-15 to +15	3.0 to 5.5	—	2	±8	±8	-40 to 125	SOP8, MSOP8, DFN8 3.0×3.0
UM13082	±18V bus fault, High speed	Half	1 / 1	-18 to +18	20	-15 to +15	3.0 to 5.5	—	3	±8	±8	-40 to 125	SOP8, MSOP8, DFN8 3.0×3.0
UM13082V	High speed, ±18V bus fault, Flexible I/O supply	Half	1 / 1	-18 to +18	20	-15 to +15	3.0 to 5.5	1.65 to 5.5	1.5	±8	±8	-40 to 125	SOP8, MSOP8, DFN10 3.0×3.0
UM13082D	High speed, ±18V bus fault, Auto Direction control	Half	1 / 1	-18 to +18	10	-15 to +15	3.0 to 5.5	—	3	±8	±8	-40 to 125	SOP8, MSOP8, DFN8 3.0×3.0
UM13085	±18V bus fault, Ultra high speed	Half	1 / 1	-18 to +18	50	-15 to +15	3.0 to 5.5	—	4	±8	±8	-40 to 125	SOP8, MSOP8, DFN8 3.0×3.0
UM13085V	±18V bus fault, Ultra high speed, Flexible I/O supply	Half	1 / 1	-18 to +18	50	-15 to +15	3.0 to 5.5	1.65 to 5.5	2	±8	±8	-40 to 125	SOP8, MSOP8, DFN10 3.0×3.0
UM13085VS	±18V bus fault, Ultra high speed, Flexible I/O supply, Slew rate control	Half	1 / 1	-18 to +18	20 / 50	-15 to +15	3.0 to 5.5	1.65 to 5.5	2	±8	±8	-40 to 125	DFN10 3.0×3.0
*UM3481H	±30V bus fault, High common-mode range	Half	1 / 1	-30 to +30	1	-25 to +25	3.0 to 5.5	—	3	±8	±8	-40 to 125	SOP8, MSOP8, DFN8 3.0×3.0
*UM13082H	High speed, ±30V bus fault, High common-mode range	Half	1 / 1	-30 to +30	20	-25 to +25	3.0 to 5.5	—	4	±8	±8	-40 to 125	SOP8, MSOP8, DFN8 3.0×3.0
*UM13085H	±30V bus fault, Ultra high speed, High common-mode range	Half	1 / 1	-30 to +30	50	-25 to +25	3.0 to 5.5	—	4	±8	±8	-40 to 125	SOP8, MSOP8, DFN8 3.0×3.0

*产品预发布 Preview

▶ RS-485 & RS-422 收发器 (续) | RS-485 & RS-422 Transceivers (continued)

Part Number	Features	Duplex	Drivers/Receivers Per Package	Fault Protection (V)	Max Data Rate (Mbps)	Common-mode Range (V)	V _{CC} Range (V)	V _{I/O} Range (V)	I _{CC} (max) (mA)	ESD HBM (kV)	IEC-61000-4-2 Contact (kV)	Operating Temperature Range (°C)	Package
UM13782	High speed, ±70V bus fault, High common-mode range	Half	1 / 1	-70 to +70	20	-30 to +30	3.0 to 5.5	—	5.6	±15	±9	-40 to 125	SOP8, MSOP8, DFN8 3.0×3.0
UM3783	±86V bus fault, High common-mode range	Half	1 / 1	-86 to +86	0.5	-25 to +25	3.0 to 5.5	—	4	±8	±8	-40 to 125	SOP8, MSOP8, DFN8 3.0×3.0
*UM3783H	±100V bus fault, High common-mode range	Half	1 / 1	-100 to +100	0.5	-25 to +25	3.0 to 5.5	—	5	±8	±8	-40 to 125	SOP8, MSOP8, DFN8 3.0×3.0
*UM3090	Integrated LDO	Half	1 / 1	-18 to +18	0.5	-15 to +15	5.5 to 30	—	0.5	±8	±8	-40 to 125	SOP8
UM3481F	±18V bus fault	Full	1 / 1	-18 to +18	1	-15 to +15	3.0 to 5.5	—	2	±8	±8	-40 to 125	SOP8, SOP14
UM3481FV	±18V bus fault, Flexible I/O supply	Full	1 / 1	-18 to +18	1	-15 to +15	3.0 to 5.5	1.65 to 5.5	1	±8	±8	-40 to 125	SOP14
UM13082F	High speed, ±18V bus fault	Full	1 / 1	-18 to +18	20	-15 to +15	3.0 to 5.5	—	3	±8	±8	-40 to 125	SOP8, SOP14
UM13082FV	High speed, ±18V bus fault, Flexible I/O supply	Full	1 / 1	-18 to +18	20	-15 to +15	3.0 to 5.5	1.65 to 5.5	1.5	±8	±8	-40 to 125	SOP14
UM13085F	±18V bus fault, Ultra high speed	Full	1 / 1	-18 to +18	50	-15 to +15	3.0 to 5.5	—	4	±8	±8	-40 to 125	SOP8, SOP14
UM13085FV	±18V bus fault, Ultra high speed, Flexible I/O supply	Full	1 / 1	-18 to +18	50	-15 to +15	3.0 to 5.5	1.65 to 5.5	2	±8	±8	-40 to 125	SOP14

RS-232 收发器 | RS-232 Transceivers

Part Number	Features	Drivers/Receivers Per Package	Max Data Rate (Mbps)	V _{CC} Range (V)	V _L Range (V)	I _{CC} (max) (mA)	V _{OUT} (typ) (V)	Low Power Mode	ESD HBM (kV)	IEC-61000-4-2 Contact (kV)	Operating Temperature Range (°C)	Package
UM3122	Extended V _{CC} operating nodes, Flexible I/O supply, Auto Powerdown	2 / 2	1	1.65 to 2.0 & 3.0 to 5.5	1.65 to 5.5	1.9	±4.7 / ±5.4	Yes	±8	±8	-40 to 105	QFN24 4.0×4.0
*UM3220	Slew rate control	1 / 1	0.25 / 1	3.0 to 5.5	--	1.0	±5.4	Yes	±8	±8	-40 to 125	TSSOP16, SSOP16
UM3221	Low shutdown current	1 / 1	0.25	3.0 to 5.5	--	1.5	±6	Yes	±8	±8	-40 to 85	TSSOP16, SSOP16
UM3221B	nEN control, Low standby current, Auto Powerdown	1 / 1	0.25	3.0 to 5.5	--	1	±5.4	Yes	±8	±8	-40 to 85	TSSOP16, SSOP16
UM3222	Low shutdown current	2 / 2	0.25	3.0 to 5.5	--	1.5	±6	Yes	±8	±8	-40 to 85	TSSOP20
*UM3223V	Flexible I/O supply, Slew rate control	2 / 2	0.25 / 1	3.0 to 5.5	1.65 to 5.5	1	±5.4	Yes	±8	±8	-40 to 125	QFN24 4.0×4.0
UM3232	Low power consumption	2 / 2	0.25	3.0 to 5.5	--	1.5	±6	No	±16	±8	-40 to 85	DIP16, TSSOP16, SSOP16, SOP16
UM3232-Q	Low power consumption	2 / 2	0.25	3.0 to 5.5	--	1.5	±6	No	±8	±8	-40 to 125	TSSOP16, SSOP16, SOP16
UM3232U	High speed	2 / 2	1	3.0 to 5.5	--	2.5	±6	No	±8	±8	-40 to 105	TSSOP16, SSOP16, SOP16
*UM3233	Slew rate control	3 / 3	0.25 / 1	3.0 to 5.5	--	1	±5.4	Yes	±8	±8	-40 to 125	QFN24 4.0×4.0
*UM3233V	Flexible I/O supply, Slew rate control	3 / 3	0.25 / 1	3.0 to 5.5	1.65 to 5.5	1	±5.4	Yes	±8	±8	-40 to 125	QFN24 4.0×4.0
UM3243	Auto Powerdown	3 / 5	0.25	3.0 to 5.5	--	1	±5.4	Yes	±8	±8	-40 to 85	SSOP28, TSSOP28, SOP28, QFN32 5.0×5.0
UM3243V	Auto Powerdown, Flexible I/O supply	3 / 5	0.25	3.0 to 5.5	1.65 to 5.5	2.5	±5.4	Yes	±8	±8	-40 to 125	SSOP28
UM3243U	High speed, Auto Powerdown	3 / 5	1	3.0 to 5.5	--	2.5	±5.4	Yes	±8	±8	-40 to 125	SSOP28, TSSOP28, SOP28, QFN32 5.0×5.0
UM3243VU	High speed, Auto Powerdown, Flexible I/O supply	3 / 5	1	3.0 to 5.5	1.65 to 5.5	2.5	±5.4	Yes	±8	±8	-40 to 125	SSOP28

*产品预发布 Preview

-Q 产品通过车规认证 AEC-Q100 Qualified

▶ RS-232 收发器 (续) | RS-232 Transceivers (continued)

Part Number	Features	Drivers/Receivers Per Package	Max Data Rate (Mbps)	V _{CC} Range (V)	V _L Range (V)	I _{CC} (max) (mA)	V _{OUT} (typ) (V)	Low Power Mode	ESD HBM (kV)	IEC-61000-4-2 Contact (kV)	Operating Temperature Range (°C)	Package
UM202	Low power consumption	2 / 2	0.25	4.5 to 5.5	--	15	±9	No	±8	±8	-40 to 85	SOP16, DIP16, TSSOP16
UM232	Low power consumption	2 / 2	0.25	4.5 to 5.5	--	15	±9	No	±8	±8	-40 to 85	SOP16, DIP16, TSSOP16
UM207	Low static supply current	5 / 3	0.25	4.5 to 5.5	--	1	±6	No	±8	±8	-40 to 85	SOP24, SSOP24, TSSOP24
UM208	Low static supply current	4 / 4	0.25	4.5 to 5.5	--	1	±6	No	±8	±8	-40 to 85	SOP24, SSOP24, TSSOP24
UM211	Low static supply current, Low shutdown current	4 / 5	0.25	4.5 to 5.5	--	1	±6	Yes	±8	±8	-40 to 85	SOP28, SSOP28, TSSOP28
UM213	Low static supply current, Low shutdown current, 2 Receivers Active in Shutdown	4 / 5	0.25	4.5 to 5.5	--	1	±6	Yes	±8	±8	-40 to 85	SOP28, SSOP28, TSSOP28

▶ 多协议收发器 | Multiprotocol Transceivers

Part Number	Protocols	Drivers Per Package	Receivers Per Package	V _{CC} Range (V)	V _{IO} Range (V)	Max Data Rate (Mbps)	Features	ESD HBM (kV)	Operating Temperature Range (°C)	Package
UM3011	RS-232, RS-485, RS-422	1 (RS-232) 1 (RS-485, RS-422)	1 (RS-232) 1 (RS-485, RS-422)	3 to 5.5	1.65 to 5.5	0.25 / 1 (RS-232) 0.5 / 20 (RS-485, RS-422)	Fail Safe Protection, Slew Rate Control, Switchable termination resistor	±8	-40 to 125	QFN24 4.0×4.0
UM3022	RS-232, RS-485, RS-422	2 (RS-232) 1 (RS-485, RS-422)	2 (RS-232) 1 (RS-485, RS-422)	3 to 5.5	1.65 to 5.5	0.25 / 1 (RS-232) 0.5 / 20 (RS-485, RS-422)	Fail Safe Protection, Slew Rate Control, Switchable termination resistor	±8	-40 to 125	QFN32 5.0×5.0
UM3035A	RS-232, RS-485, RS-422	3 (RS-232) 1 (RS-485, RS-422)	5 (RS-232) 1 (RS-485, RS-422)	3 to 5.5	1.65 to 5.5	0.25 / 1 (RS-232) 0.5 / 20 (RS-485, RS-422)	Fail Safe Protection, Slew Rate Control, Switchable termination resistor	±8	-40 to 125	QFN40 6.0×6.0
UM3035B	RS-232, RS-485, RS-422	3 (RS-232) 1 (RS-485, RS-422)	5 (RS-232) 1 (RS-485, RS-422)	3 to 5.5	-	0.25 / 1 (RS-232) 0.25 / 20 (RS-485, RS-422)	Fail Safe Protection, Slew Rate Control, Switchable termination resistor	±8	-40 to 125	QFN40 6.0×6.0

▶ LVDS 收发器 | LVDS Transceivers

Part Number	Function	Protocols	Drivers/Receivers Per Package	Max Data Rate (Mbps)	V _{CC} Range (V)	I _{CC} (Max) (mA)	ESD HBM (kV)	Operating Temperature Range (°C)	Package
UM3400	M-LVDS Differential Transceiver	M-LVDS Type 1	1 / 1	100	3.0 to 3.6	24	±8	-40 to 85	SOP8
UM3401	M-LVDS Differential Transceiver	M-LVDS Type 2	1 / 1	100	3.0 to 3.6	24	±8	-40 to 85	SOP8
UM3405	M-LVDS Differential Transceiver	M-LVDS Type 1	1 / 1	200	3.0 to 3.6	24	±8	-40 to 85	SOP8
UM3406	M-LVDS Differential Transceiver	M-LVDS Type 2	1 / 1	200	3.0 to 3.6	24	±8	-40 to 85	SOP8
UM3407	M-LVDS Differential Transceiver	M-LVDS Type 1	1 / 1	200	3.0 to 3.6	24	±8	-40 to 85	SOP14, QFN16 4.0×4.0
UM3408	M-LVDS Differential Transceiver	M-LVDS Type 2	1 / 1	200	3.0 to 3.6	24	±8	-40 to 85	SOP14
UM3409	M-LVDS Differential Transceiver	M-LVDS Type 1 or Type 2	4 / 4	250	3.0 to 3.6	96	±8	-40 to 85	QFN48 7.0×7.0
UM3410	M-LVDS Differential Transceiver	M-LVDS Type 1	1 / 1	100	3.0 to 3.6	24	±8	-40 to 85	SOP8
UM3411	M-LVDS Differential Transceiver	M-LVDS Type 2	1 / 1	100	3.0 to 3.6	24	±8	-40 to 85	SOP8
*UM3403	LVDS Differential Receiver	LVDS	0 / 4	400	3.0 to 3.6	15	±8	-40 to 85	TSSOP16
*UM3404	LVDS Differential Transmitter	LVDS	4 / 0	400	3.0 to 3.6	8	±8	-40 to 85	SOP16, TSSOP16
*UM3413	LVDS Differential Receiver	LVDS	0 / 1	400	3.0 to 3.6	8	±8	-40 to 85	SOT23-5
*UM3414	LVDS Differential Transmitter	LVDS	1 / 0	400	3.0 to 3.6	10	±8	-40 to 85	SOT23-5

*产品预发布 Preview

CAN 收发器 | CAN Transceivers

Part Number	Rating	Mode	Protocols	Fault Protection (V)	Channels	V _{CC} Range (V)	Max Data Rate (Mbps)	Feature	Bus Contact ESD (kV)	Operating Temperature Range (°C)	Package
UMCAN1057	Industrial	Normal, Silent	CAN, CAN FD	-40 to 40	1	4.5 to 5.5	5	Silent, VIO	±10	-40 to 125	SOP8, DFN8 3.0×3.0
UMCAN1057-Q	Automotive	Normal, Silent	CAN, CAN FD	-40 to 40	1	4.5 to 5.5	5	Silent, VIO	±8	-40 to 125	SOP8, DFN8 3.0×3.0
UMCAN1057S	Industrial	Normal, Silent	CAN, CAN FD	-40 to 40	1	4.5 to 5.5	8	Silent, VIO, SIC	±10	-40 to 125	SOP8, DFN8 3.0×3.0
UMCAN1057S-Q	Automotive	Normal, Silent	CAN, CAN FD	-40 to 40	1	4.5 to 5.5	8	Silent, VIO, SIC	±8	-40 to 125	SOP8, DFN8 3.0×3.0
UMCAN1044	Industrial	Normal, Standby	CAN, CAN FD	-40 to 40	1	4.5 to 5.5	8	Standby, VIO	±10	-40 to 125	SOP8, DFN8 3.0×3.0
UMCAN1044-Q	Automotive	Normal, Standby	CAN, CAN FD	-40 to 40	1	4.5 to 5.5	8	Standby, VIO	±8	-40 to 125	SOP8, DFN8 3.0×3.0
UMCAN1462	Industrial	Normal, Standby	CAN, CAN FD	-40 to 40	1	4.5 to 5.5	8	Standby, VIO, SIC	±10	-40 to 125	SOP8, DFN8 3.0×3.0
UMCAN1462-Q	Automotive	Normal, Standby	CAN, CAN FD	-40 to 40	1	4.5 to 5.5	8	Standby, VIO, SIC	±8	-40 to 125	SOP8, DFN8 3.0×3.0
UMCAN1051	Industrial	Normal, Standby	CAN, CAN FD	-70 to 70	1	4.5 to 5.5	5	Silent, VIO	±8	-40 to 125	SOP8, DFN8 3.0×3.0
UMCAN1051-Q	Automotive	Normal, Standby	CAN, CAN FD	-70 to 70	1	4.5 to 5.5	5	Silent, VIO	±8	-40 to 125	SOP8, DFN8 3.0×3.0
UMCAN1472	Industrial	Normal, Standby	CAN, CAN FD	-70 to 70	1	4.5 to 5.5	8	Standby, VIO, SIC	±8	-40 to 125	SOP8, DFN8 3.0×3.0
UMCAN1472-Q	Automotive	Normal, Standby	CAN, CAN FD	-70 to 70	1	4.5 to 5.5	8	Standby, VIO, SIC	±8	-40 to 125	SOP8, DFN8 3.0×3.0
UMCAN1051C	Industrial	Normal, Standby	CAN, CAN FD	-58 to 58	1	4.5 to 5.5	5	Silent, VIO	±8	-40 to 125	SOP8, DFN8 3.0×3.0
*UMCAN1463	Industrial	Normal, Standby, Sleep, Listen-only	CAN, CAN FD	-58 to 58	1	4.5 to 5.5	8	Standby, VIO, VBAT, SIC	±8	-40 to 125	SOP14, DFN14 4.5×3.0

LIN 收发器 | LIN Transceivers

Part Number	Rating	Protocols	Number of Channels	V _{BAT} Supply Voltage (V)	Bus Fault Voltage (V)	Max Data Rate (kbps)	Low Power Mode	Wake Up Mode	Feature	Bus Contact ESD (kV)	Operating Temperature Range (°C)	Package
*UMLIN1021-Q	Automotive	LIN	1	5.5 to 36	-40 to 40	20	Standby / Sleep	Local / Remote Wake-up	INH pin, WAKE_N pin SLP_N pin, TXD dominant timeout	±8	-40 to 125	SOP8, DFN8 3.0×3.0
*UMLIN1027-Q	Automotive	LIN	1	5.5 to 36	-40 to 40	20	Standby / Sleep	Remote Wake-up	SLP_N pin, TXD dominant timeout	±8	-40 to 125	SOP8, DFN8 3.0×3.0
*UMLIN1029-Q	Automotive	LIN	1	5.5 to 36	-40 to 40	20	Standby / Sleep	Remote Wake-up	SLP_N pin, TXD dominant timeout	±8	-40 to 125	SOP8, DFN8 3.0×3.0
*UMLIN1022-Q	Automotive	LIN	2	5.5 to 36	-40 to 40	20	Standby / Sleep	Remote Wake-up	SLP_N pin, TXD dominant timeout	±8	-40 to 125	SOP14, DFN14 4.5×3.0, QFN24 5.5×3.5
*UMLIN1024-Q	Automotive	LIN	4	5.5 to 36	-40 to 40	20	Standby / Sleep	Remote Wake-up	SLP_N pin, TXD dominant timeout	±8	-40 to 125	QFN24 5.5×3.5
*UMLIN4021-Q	Automotive	LIN	1	5.5 to 48	-70 to 70	20	Standby / Sleep	Local / Remote Wake-up	INH pin, WAKE_N pin SLP_N pin, TXD dominant timeout	±8	-40 to 125	SOP8, DFN8 3.0×3.0
*UMLIN4027-Q	Automotive	LIN	1	5.5 to 48	-70 to 70	20	Standby / Sleep	Remote Wake-up	SLP_N pin, TXD dominant timeout	±8	-40 to 125	SOP8, DFN8 3.0×3.0
*UMLIN4029-Q	Automotive	LIN	1	5.5 to 48	-70 to 70	20	Standby / Sleep	Remote Wake-up	SLP_N pin, TXD dominant timeout	±8	-40 to 125	SOP8, DFN8 3.0×3.0
*UMLIN4022-Q	Automotive	LIN	2	5.5 to 48	-70 to 70	20	Standby / Sleep	Remote Wake-up	SLP_N pin, TXD dominant timeout	±8	-40 to 125	SOP14, DFN14 4.5×3.0, QFN24 5.5×3.5
*UMLIN4024-Q	Automotive	LIN	4	5.5 to 48	-70 to 70	20	Standby / Sleep	Remote Wake-up	SLP_N pin, TXD dominant timeout	±8	-40 to 125	QFN24 5.5×3.5

一线通 | K Line Interface

Part Number	V _{CC} Range (V)	Bus Fault Voltage (V)	Max Data Rate (kbps)	Bus Voltage Supported (V)	Feature	HBM (kV)	Bus Contact ESD (kV)	Operating Temperature Range (°C)	Package
UM6210C	1.65 to 5.5	-30 to 30	140	12, 5, 3.3	Thermal shutdown, Undervoltage detection, Configurable receiver threshold via SET pin	±8	±8	-40 to 125	SOP8
UM6210	1.65 to 5.5	-100 to 100	140	12, 5, 3.3	Thermal shutdown, Undervoltage detection, Configurable receiver threshold via SET pin	±8	±8	-40 to 125	SOP8

*产品预发布 Preview

EMI 滤波器 | EMI Filter

Part Number	Filter Type	Channels	BW@3dB (MHz)	V _{RWM} (V)	IEC 61000-4-2 Contact (kV)	Operating Temperature Range (°C)	Package
UM1001	RC	2	42	5	±8	-40 to +85	SOT23-6
UM4401	RC	4	150	5	±8	-40 to +85	DFN8 2.1×1.6
UM4411	RC	4	150	5	±8	-40 to +85	DFN8 1.7×1.3
UM6401	RC	6	150	5	±8	-40 to +85	DFN12 3.0×1.6
UM6411	RC	6	150	5	±8	-40 to +85	DFN12 2.5×1.3
UM8401	RC	8	150	5	±8	-40 to +85	DFN16 4.0×1.6
UM8411	RC	8	150	5	±8	-40 to +85	DFN16 3.3×1.3
UM4601	LC	4	150	5	±8	-40 to +85	DFN8 2.0×2.0
UM4611	LC	4	150	5	±8	-40 to +85	DFN8 1.7×1.3
UM8601	LC	8	150	5	±8	-40 to +85	DFN16 4.0×1.6
UM8611	LC	8	150	5	±8	-40 to +85	DFN16 3.3×1.3
UM8511	LC	8	250	5	±8	-40 to +85	DFN16 3.3×1.3

TVS 二极管 | TVS Diodes

Part Number	Bi-/Uni-directional	Channels	V _{RWM} (V)	Breakdown Voltage (min) (V)	C _J @V _R =0V (typ) (pF)	Peak Pulse Power (8/20 μs) (max) (W)	IEC 61000-4-2 Contact (kV)	IEC 61000-4-2 Air (kV)	Package
Low Capacitor TVS									
UESD6V8L1F	Uni-directional	1	5	6	17	55	±8	±15	DFN2 1.0×0.6
UESD6V8Lxx	Uni-directional	4 / 5	5	6	20	55	±8	±15	SC70-5/SC88A/SOT353 SC89-5/SOT553/SOT665 SC70-6/SC88/SOT363 SC89-6/SOT563/SOT666
Standard Capacitor TVS									
UM5035	Uni-directional	1	5	6	40	140	±8	±15	SOD323
UM5055	Uni-directional	1	5	6	40	140	±8	±15	SOD523
UM5051DA	Uni-directional	1	5	6	19	60	±25	±30	DFN2 0.6×0.3
UM5059	Uni-directional	1	5	6	40	140	±30	±30	DFN2 1.0×0.6
UM5075	Uni-directional	1	7	7.5	40	200	±15	±15	SOD523
UM5079	Uni-directional	1	7	7.5	40	200	±15	±15	DFN2 1.0×0.6
UM5080	Bi-directional	1	5	6.5	25	140	±15	±15	DFN2 1.0×0.6

▶ TVS 二极管 (续) | TVS Diodes (continued)

Part Number	Bi-/Uni-directional	Channels	V _{RWM} (V)	Breakdown voltage (min) (V)	C _J @V _R =0V (typ) (pF)	Peak pulse power (8/20 μs) (max) (W)	IEC 61000-4-2 Contact (kV)	IEC 61000-4-2 Air (kV)	Package
UM5052DA	Bi-directional	1	5	6.5	7	60	±30	±30	DFN2 0.6×0.3
UM5060	Bi-directional	1	5	6.5	40	140	±30	±30	SOD523
UM5084	Bi-directional	1	12	16.7	10	140	±8	±15	DFN2 1.0×0.6
SM05	Uni-directional	2	5	6	25	300	±8	±15	SOT23-3
UESD6V8S2B	Uni-directional	2	5	6	40	140	±8	±15	SOT523
UM5062	Uni-directional	2	5	6	40	140	±8	±15	QFN3 1.4×1.1
UM5082	Uni-directional	2	5	6	40	140	±8	±15	DFN3 1.0×0.6
SM12	Uni-directional	2	12	16	20	140	±8	±15	SOT23-3
SM15	Uni-directional	2	15	16.7	20	140	±8	±15	SOT23-3
UESD54B	Uni-directional	4	5	6	40	140	±8	±15	SC70-5/SC88A/SOT353
UESD55B	Uni-directional	4	5	6	40	140	±8	±15	SC89-6/SOT563/SOT666
UESD64B	Uni-directional	4	5	6	40	140	±8	±15	SC89-5/SOT553/SOT665
UESD16V8S4C	Uni-directional	4	12	16	20	140	±8	±15	SOT23-6
UESD56B	Uni-directional	5	5	6	40	140	±8	±15	SC89-6/SOT563/SOT666
UESD6V85CT36	Uni-directional	5	5	6	40	140	±8	±15	SC70-6/SC88/SOT363
Ultra Low Capacitor TVS									
UESD6V8V4x	Uni-directional	4	5	6	1	150	±8	±15	SC70-6/SC88/SOT363 SC89-6/SOT563/SOT666 TSOP-6/SOT23-6
UM5202EEDF	Uni-directional	2	5	6	1	150	±8	±15	SOT143
UM5204xF	Uni-directional	4	5	6	1	150	±8	±15	SC70-6/SC88/SOT363 SC89-6/SOT563/SOT666 TSOP-6/SOT23-6
UM5204Cx	Uni-directional	4	5	6	1	200	±8	±15	SOT23-6
UM5304xF	Uni-directional	4	5	6	1	150	±8	±15	SC70-6/SC88/SOT363 SC89-6/SOT563/SOT666 TSOP-6/SOT23-6
UM5404EEDF	Uni-directional	4	5	6	1	200	±8	±15	DFN6 1.6×1.6

电平转换

Level Shifters

▶ 电平转换 | Level Shifters

Part Number	Rating	Direction Control	Channels	Max Data Rate (Mbps)	V _{CCA} Range (V)	V _{CCB} Range (V)	With Edge Acceleration	Logic Output	Typical Application	Operating Temperature Range (°C)	Package
UM3202	Industrial	Auto	2	24	1.65 to 3.6	2.3 to 5.5	Yes	Push-Pull/Open-Drain	I2C, MDIO, PMBus, SMBus, UART, GPIO	-40 to +85	CSP8 1.9×0.9, DFN8 1.4×1.0, DFN8 1.7×1.35 VSSOP8, SSOP8, SOT23-8
UM3202-Q	Automotive	Auto	2	24	1.65 to 3.6	2.3 to 5.5	Yes	Push-Pull/Open-Drain	I2C, MDIO, PMBus, SMBus, UART, GPIO	-40 to +125	DFN8 1.7×1.35
UM3204	Industrial	Auto	4	24	1.65 to 3.6	2.3 to 5.5	Yes	Push-Pull/Open-Drain	I2C, MDIO, PMBus, SMBus, UART, GPIO	-40 to +85	CSP12 1.9×1.4, QFN14 3.5×3.5 TSSOP14, QFN12 1.7×2.0 QFN12 2.0×2.0, QFN12 1.8×1.8
UM3204-Q	Automotive	Auto	4	24	1.65 to 3.6	2.3 to 5.5	Yes	Push-Pull/Open-Drain	I2C, MDIO, PMBus, SMBus, UART, GPIO	-40 to +125	QFN14 3.5×3.5, QFN12 1.7×2.0
UM3208	Industrial	Auto	8	24	1.65 to 3.6	2.3 to 5.5	Yes	Push-Pull/Open-Drain	I2C, MDIO, PMBus, SMBus, UART, GPIO	-40 to +85	CSP20 2.4×1.9, QFN20 4.5×3.5 QFN20 3.0×3.0, TSSOP20
UM3301	Industrial	Auto	1	100	1.2 to 3.6	1.65 to 5.5	Yes	Push-Pull	GPIO, Clock	-40 to +85	SOT563 DFN6 1.45×1.0
UM3302	Industrial	Auto	2	100	1.2 to 3.6	1.65 to 5.5	Yes	Push-Pull	GPIO, UART	-40 to +85	CSP8 1.9×0.9 MSOP8
UM3304	Industrial	Auto	4	100	1.2 to 3.6	1.65 to 5.5	Yes	Push-Pull	GPIO, JTAG, SPI, UART	-40 to +85	CSP12 1.9×1.4, QFN14 3.5×3.5 QFN16 2.6×1.8, QFN12 1.7×2.0 TSSOP14
UM3308	Industrial	Auto	8	100	1.2 to 3.6	1.65 to 5.5	Yes	Push-Pull	GPIO, JTAG, SPI, UART	-40 to +85	CSP20 2.4×1.9, QFN20 3.0×3.0, QFN20 4.5×3.5, TSSOP20
UM3212	Industrial	Auto	2	4	1.0 to 3.6	1.8 to 5.5	No	Open-Drain	I2C	-40 to +85	MSOP8, VSSOP8 DFN8 2.1×1.6
UM3212-Q	Automotive	Auto	2	4	1.0 to 3.6	1.8 to 5.5	No	Open-Drain	I2C	-40 to +125	VSSOP8
UM2001P	Industrial	Auto	1	66	1.0 to 3.6	1.8 to 5.5	No	Open-Drain	I2C	-40 to +85	SOT363
UM2002	Industrial	Auto	2	66	1.0 to 3.6	1.8 to 5.5	No	Open-Drain	I2C	-40 to +85	TSSOP8, SOP8

▶ 电平转换 (续) | Level Shifters (continued)

Part Number	Rating	Direction Control	Channels	Max Date Rate (Mbps)	V _{CCA} Range (V)	V _{CCB} Range (V)	With Edge Acceleration	Logic Output	Typical Application	Operating Temperature Range (°C)	Package
UM2102	Industrial	Auto	2	66	1.0 to 3.6	1.8 to 5.0	No	Open-Drain	I2C	-40 to +85	DFN6 2.0×2.0, SOT23-6
UM3282F	Industrial	Auto	2	100 (1.8->3.3)	1.1 to 5.5	1.1 to 5.5	Yes	Push-Pull/Open-Drain	I2C, MDIO, MDC, SMBus, UART, GPIO	-40 to +125	VSSOP8
UM3282F-Q	Automotive	Auto	2	100 (1.8->3.3)	1.1 to 5.5	1.1 to 5.5	Yes	Push-Pull/Open-Drain	I2C, MDIO, MDC, SMBus, UART, GPIO	-40 to +125	VSSOP8
UM3284	Industrial	Auto	4	60 (1.8->3.3)	1.2 to 3.6	1.65 to 5.5	Yes	Push-Pull/Open-Drain	I2C, MDIO, MDC, SMBus, UART, GPIO	-40 to +85	QFN14 3.5×3.5, TSSOP14 QFN12 1.7×2.0, QFN12 1.8×1.8
UM3284-Q	Automotive	Auto	4	60 (1.8->3.3)	1.2 to 3.6	1.65 to 5.5	Yes	Push-Pull/Open-Drain	I2C, MDIO, MDC, SMBus, UART, GPIO	-40 to +125	QFN14 3.5×3.5, TSSOP14 QFN12 1.7×2.0
UM3284F	Industrial	Auto	4	100 (1.8->3.3)	1.1 to 5.5	1.1 to 5.5	Yes	Push-Pull/Open-Drain	I2C, MDIO, MDC, SMBus, UART, GPIO	-40 to +125	QFN12 1.7×2.0, QFN12 1.8×1.8 QFN14 3.5×3.5, TSSOP14
UM3284F-Q	Automotive	Auto	4	100 (1.8->3.3)	1.1 to 5.5	1.1 to 5.5	Yes	Push-Pull/Open-Drain	I2C, MDIO, MDC, SMBus, UART, GPIO	-40 to +125	QFN12 1.7×2.0
UM3288	Industrial	Auto	8	60 (1.8->3.3)	1.2 to 3.6	1.65 to 5.5	Yes	Push-Pull/Open-Drain	I2C, MDIO, MDC, SMBus, UART, GPIO	-40 to +85	CSP20 2.4×1.9, TSSOP20 QFN20 3.0×3.0, QFN20 4.5×3.5
UM3288-Q	Automotive	Auto	8	60 (1.8->3.3)	1.2 to 3.6	1.65 to 5.5	Yes	Push-Pull/Open-Drain	I2C, MDIO, MDC, SMBus, UART, GPIO	-40 to +125	TSSOP20
UM3288F	Industrial	Auto	8	100 (1.8->3.3)	1.1 to 5.5	1.1 to 5.5	Yes	Push-Pull/Open-Drain	RMII, I2C, MDIO, MDC, SMBus, UART, GPIO	-40 to +125	CSP20 2.4×1.9, QFN20 3.0×3.0 QFN20 4.5×3.5, TSSOP20
UM3601	Industrial	Controlled	1	220	1.65 to 5.5	1.65 to 5.5	No	Push-Pull	GPIO, Clock	-40 to +85	SOT23-6
UM3602	Industrial	Controlled	2	220	1.65 to 5.5	1.65 to 5.5	No	Push-Pull	GPIO, UART	-40 to +85	VSSOP8
UM3608	Industrial	Controlled	8	220	1.65 to 5.5	1.65 to 5.5	No	Push-Pull	GPIO, RGMII, I2S, UART, SPI	-40 to +85	SSOP24, TSSOP24 QFN24 3.5×5.5
UM74AVC1T45	Industrial	Controlled	1	500	1.0 to 3.6	1.0 to 3.6	No	Push-Pull	GPIO, Clock	-40 to +125	SOT23-6, SOT363
UM74AVC2T45	Industrial	Controlled	2	500	1.0 to 3.6	1.0 to 3.6	No	Push-Pull	GPIO, UART	-40 to +125	VSSOP8, SSOP8, SOT23-8, MSOP8
UM74AVC2T45-Q	Automotive	Controlled	2	500	1.0 to 3.6	1.0 to 3.6	No	Push-Pull	GPIO, UART	-40 to +125	VSSOP8
UM74AVC2T245	Industrial	Controlled	2	500	1.0 to 3.6	1.0 to 3.6	No	Push-Pull	GPIO, UART	-40 to +125	QFN10 1.8×1.4
UM74AVC4T245	Industrial	Controlled	4	400	1.0 to 3.6	1.0 to 3.6	No	Push-Pull	GPIO, JTAG, SPI, UART	-40 to +125	SOP16, TSSOP16, QFN16 2.6×1.8 QFN16 2.5×3.5, QFN16 4.0×3.5
UM74AVC4T245-Q	Automotive	Controlled	4	400	1.0 to 3.6	1.0 to 3.6	No	Push-Pull	GPIO, JTAG, SPI, UART	-40 to +125	SOP16, TSSOP16
UM74AVC4T774	Industrial	Controlled	4	400	1.0 to 3.6	1.0 to 3.6	No	Push-Pull	GPIO, JTAG, SPI, UART	-40 to +125	SOP16, TSSOP16, QFN16 2.6×1.8, QFN16 2.5×3.5, QFN16 4.0×3.5
UM74AVC4T774-Q	Automotive	Controlled	4	400	1.0 to 3.6	1.0 to 3.6	No	Push-Pull	GPIO, JTAG, SPI, UART	-40 to +125	SOP16, TSSOP16
UM74AVC8T245	Industrial	Controlled	8	400	1.0 to 3.6	1.0 to 3.6	No	Push-Pull	GPIO, RGMII, I2S	-40 to +125	SSOP24, TSSOP24 QFN24 3.5×5.5
UM74AVC8T245-Q	Automotive	Controlled	8	400	1.0 to 3.6	1.0 to 3.6	No	Push-Pull	GPIO, RGMII, I2S	-40 to +125	SSOP24, TSSOP24 QFN24 3.5×5.5

电平转换 (续) | Level Shifters (continued)

Part Number	Rating	Direction Control	Channels	Max Data Rate (Mbps)	V _{CCA} Range (V)	V _{CCB} Range (V)	With Edge Acceleration	Logic Output	Typical Application	Operating Temperature Range (°C)	Package
UM74AVC8TX245	Industrial	Controlled (Two DIR Pin)	8	400	1.0 to 3.6	1.0 to 3.6	No	Push-Pull	GPIO, RGMII, I2S	-40 to +125	TSSOP24, QFN24 2.0×4.0, QFN24 3.5×5.5
UM74AVC16T245	Industrial	Controlled	16	380	1.0 to 3.6	1.0 to 3.6	No	Push-Pull	GPIO, RGMII, I2S	-40 to +125	TSSOP48
UM74AVCH1T45	Industrial	Controlled	1	500	1.0 to 3.6	1.0 to 3.6	No	Push-Pull	GPIO, Clock	-40 to +125	SOT23-6
UM74AVCH2T45	Industrial	Controlled	2	500	1.0 to 3.6	1.0 to 3.6	No	Push-Pull	GPIO, UART	-40 to +125	VSSOP8
UM74AVCH4T245	Industrial	Controlled	4	400	1.0 to 3.6	1.0 to 3.6	No	Push-Pull	GPIO, JTAG, SPI, UART	-40 to +125	SOP16, TSSOP16
UM74AVCH8T245	Industrial	Controlled	8	400	1.0 to 3.6	1.0 to 3.6	No	Push-Pull	GPIO, RGMII, I2S	-40 to +125	SSOP24, TSSOP24 QFN24 3.5×5.5
UM74AVCH8TX245	Industrial	Controlled (Two DIR Pin)	8	400	1.0 to 3.6	1.0 to 3.6	No	Push-Pull	GPIO, RGMII, I2S	-40 to +125	TSSOP24, DFN24 2.0×4.0
UMLSF0002	Industrial	Auto	2	200	0.8 to 4.5 (VBIAS single supply)	1.8 to 5.5 (VBIAS single supply)	No	Push-Pull/Open-Drain	GPIO, MDIO, SMBus, PMBus, I2C	-40 to +125	DFN6 1.0×0.8
UMLSF0102	Industrial	Auto	2	200	0.8 to 4.5	1.8 to 5.5	No	Push-Pull/Open-Drain	GPIO, MDIO, SMBus, PMBus, I2C	-40 to +125	VSSOP8, SSOP8, DFN8 1.4×1.0
UMLSF0204	Industrial	Auto (EN is high-active)	4	200	0.8 to 4.5	1.8 to 5.5	No	Push-Pull/Open-Drain	GPIO, SPI, MDIO, SMBus, PMBus, I2C, UART, SVID	-40 to +125	TSSOP14, CSP12 1.9×1.4, QFN12 2.0×1.7, QFN14 3.5×3.5
*UMLSF0204D	Industrial	Auto (EN is low-active)	4	200	0.8 to 4.5	1.8 to 5.5	No	Push-Pull/Open-Drain	GPIO, SPI, MDIO, SMBus, PMBus, I2C, UART, SVID	-40 to +125	TSSOP14, CSP12 1.9×1.4, QFN12 2.0×1.7, QFN14 3.5×3.5
UMLSF0108	Industrial	Auto	8	200	0.8 to 4.5	1.8 to 5.5	No	Push-Pull/Open-Drain	GPIO, MDIO, SDIO, SVID, UART, SMBus, PMBus, I2C, SPI	-40 to +125	TSSOP20, VSSOP20, QFN20 4.5×2.5
UM3A9606	Industrial	Auto	2	52	0.72 to 1.98	0.72 to 1.98	Yes	Push-Pull/Open-Drain	GPIO, I2C, I3C, SPI, SMBus, UART	-40 to +125	DFN8 1.4×1.0
*UM3A3204	Industrial	Auto	4	24	0.72 to 1.98	0.72 to 1.98	Yes	Push-Pull/Open-Drain	I2C, MDIO, PMBus, SMBus, UART, GPIO	-40 to +125	QFN14 3.5×3.5, QFN12 1.7×2.0
*UM3A3304	Industrial	Auto	4	100	0.72 to 1.98	0.72 to 1.98	Yes	Push-Pull	GPIO, JTAG, SPI, UART	-40 to +125	QFN14 3.5×3.5, QFN12 1.7×2.0
*UM3A3284	Industrial	Auto	4	100	0.72 to 1.98	0.72 to 1.98	Yes	Push-Pull/Open-Drain	I2C, MDIO, SMBus, UART, GPIO	-40 to +125	QFN14 3.5×3.5, QFN12 1.7×2.0
*UM3AVC4T245	Industrial	Controlled	4	400	0.72 to 1.98	0.72 to 1.98	No	Push-Pull	GPIO, JTAG, SPI, UART	-40 to +125	SOP16, TSSOP16, QFN16 2.6×1.8, QFN16 2.5×3.5, QFN16 4.0×3.5
*UM3AVC4T774	Industrial	Controlled (Four DIR Pin)	4	400	0.72 to 1.98	0.72 to 1.98	No	Push-Pull	GPIO, JTAG, SPI, UART	-40 to +125	TSSOP16, QFN16 2.5×3.5

隔离器件

Isolation

数字隔离器 | Digital Isolators

Part Number	Channels	Forward/Reverse Channels	Max Data Rate (Mbps)	Isolation Voltage (V _{RMS})	Surge Voltage Capability (V _{PK})	CMTI (kV/μs)	Default Output	Operating Temperature Range (°C)	Package
UMISO7710A	1	1/0	20	3750 / 5700	6500 / 10000	200	Low / High	-40 to +125	SOP8, WSOP8, WSOP16
UMISO7720A	2	2/0	20	3750 / 5700 / 7500	6500 / 10000	200	Low / High	-40 to +125	SOP8, WSOP8, WSOP16, WWSOP16
UMISO7721A	2	1/1	20	3750 / 5700 / 7500	6500 / 10000	200	Low / High	-40 to +125	SOP8, WSOP8, WSOP16, WWSOP16
UMISO7723A	2	1/1 (Pin Mapping Swap)	20	3750 / 5700 / 7500	6500 / 10000	200	Low / High	-40 to +125	SOP8, WSOP8, WSOP16, WWSOP16
UMISO7730A	3	3/0	20	3000 / 3750 / 5700 / 7500	6500 / 10000	200	Low / High	-40 to +125	SSOP16(0.635), SOP16, WSOP16, WWSOP16
UMISO7731A	3	2/1	20	3000 / 3750 / 5700 / 7500	6500 / 10000	200	Low / High	-40 to +125	SSOP16(0.635), SOP16, WSOP16, WWSOP16
UMISO7331	3	2/1	0.15	5700	12000	200	Low / High / OUT1 low and OUT2/OUT3 high (UMISO7331M) option	-40 to +125	WSSOP10
UMISO7331U	3	2/1	10	5700	12000	200	Low / High	-40 to +125	WSSOP10
UMISO7301	3	2/1	8	5700 (for Isolated RS-485)	12000	200	High (UMISO7301H) / DEOUT low and DOUT/RIN high (UMISO7301L)	-40 to +125	WSSOP10
UMISO7740A	4	4/0	20	3000 / 3750 / 5700 / 7500	6500 / 10000	200	Low / High	-40 to +125	SSOP16(0.635), SOP16, WSOP16, WWSOP16
UMISO7741A	4	3/1	20	3000 / 3750 / 5700 / 7500	6500 / 10000	200	Low / High	-40 to +125	SSOP16(0.635), SOP16, WSOP16, WWSOP16
UMISO7742A	4	2/2	20	3000 / 3750 / 5700 / 7500	6500 / 10000	200	Low / High	-40 to +125	SSOP16(0.635), SOP16, WSOP16, WWSOP16
UMISO7760A	6	6/0	20	3000 / 3750 / 5700 / 7500	6500 / 10000	200	Low / High	-40 to +125	SSOP16(0.635), SOP16, WSOP16, WWSOP16
UMISO7761A	6	5/1	20	3000 / 3750 / 5700 / 7500	6500 / 10000	200	Low / High	-40 to +125	SSOP16(0.635), SOP16, WSOP16, WWSOP16
UMISO7762A	6	4/2	20	3000 / 3750 / 5700 / 7500	6500 / 10000	200	Low / High	-40 to +125	SSOP16(0.635), SOP16, WSOP16, WWSOP16
UMISO7763A	6	3/3	20	3000 / 3750 / 5700 / 7500	6500 / 10000	200	Low / High	-40 to +125	SSOP16(0.635), SOP16, WSOP16, WWSOP16

▶ 数字隔离器 (续) | Digital Isolators (continued)

Part Number	Channels	Forward/Reverse Channels	Max Data Rate (Mbps)	Isolation Voltage (V _{RMS})	Surge Voltage Capability (V _{PK})	CMTI (kV/μs)	Default Output	Operating Temperature Range (°C)	Package
UMISO7720	2	2/0	150	3750 / 5000	6500 / 8000	200	Low / High	-40 to +125	SOP8, WSOP8, WSOP16
UMISO7721	2	1/1	150	3750 / 5000	6500 / 8000	200	Low / High	-40 to +125	SOP8, WSOP8, WSOP16
UMISO7723	2	1/1 (Pin Mapping Swap)	150	3750 / 5000	6500 / 8000	200	Low / High	-40 to +125	SOP8, WSOP8, WSOP16
UMISO7740	4	4/0	150	5000	8000	200	Low / High	-40 to +125	WSOP16
UMISO7741	4	3/1	150	5000	8000	200	Low / High	-40 to +125	WSOP16
UMISO7742	4	2/2	150	5000	8000	200	Low / High	-40 to +125	WSOP16
UMISO7760	6	6/0	150	5000	8000	200	Low / High	-40 to +125	WSOP16
UMISO7761	6	5/1	150	5000	8000	200	Low / High	-40 to +125	WSOP16
UMISO7762	6	4/2	150	5000	8000	200	Low / High	-40 to +125	WSOP16
UMISO7763	6	3/3	150	5000	8000	200	Low / High	-40 to +125	WSOP16
UMISO6163	6	3/3	50	5700	10000	200	Low / High	-40 to +125	WSOP16
*UMISO7020	2	2/0	4	3750 / 5700 / 7500	6500 / 10000	200	Low / High	-40 to +125	SOP8, WSOP8, WSOP16, WWSOP16
*UMISO7021	2	1/1	4	3750 / 5700 / 7500	6500 / 10000	200	Low / High	-40 to +125	SOP8, WSOP8, WSOP16, WWSOP16
*UMISO7023	2	1/1 (Pin Mapping Swap)	4	3750 / 5700 / 7500	6500 / 10000	200	Low / High	-40 to +125	SOP8, WSOP8, WSOP16, WWSOP16
*UMISO7030	3	3/0	4	3000 / 3750 / 5700 / 7500	6500 / 10000	200	Low / High	-40 to +125	SSOP16(0.635), SOP16 WSOP16, WWSOP16
*UMISO7031	3	2/1	4	3000 / 3750 / 5700 / 7500	6500 / 10000	200	Low / High	-40 to +125	SSOP16(0.635), SOP16 WSOP16, WWSOP16
*UMISO7040	4	4/0	4	3000 / 3750 / 5700 / 7500	6500 / 10000	200	Low / High	-40 to +125	SSOP16(0.635), SOP16 WSOP16, WWSOP16
*UMISO7041	4	3/1	4	3000 / 3750 / 5700 / 7500	6500 / 10000	200	Low / High	-40 to +125	SSOP16(0.635), SOP16 WSOP16, WWSOP16
*UMISO7042	4	2/2	4	3000 / 3750 / 5700 / 7500	6500 / 10000	200	Low / High	-40 to +125	SSOP16(0.635), SOP16 WSOP16, WWSOP16

*产品预发布 Preview

▶ 数字隔离器 (续) | Digital Isolators (continued)

Part Number	Channels	Forward/Reverse Channels	Max Data Rate (Mbps)	Isolation Voltage (V _{RMS})	Surge Voltage Capability (V _{PK})	CMTI (kV/μs)	Default Output	Operating Temperature Range (°C)	Package
*UMISO7060	6	6/0	4	3000 / 3750 / 5700 / 7500	6500 / 10000	200	Low / High	-40 to +125	SSOP16(0.635), SOP16 WSOP16, WWSOP16
*UMISO7061	6	5/1	4	3000 / 3750 / 5700 / 7500	6500 / 10000	200	Low / High	-40 to +125	SSOP16(0.635), SOP16 WSOP16, WWSOP16
*UMISO7062	6	4/2	4	3000 / 3750 / 5700 / 7500	6500 / 10000	200	Low / High	-40 to +125	SSOP16(0.635), SOP16 WSOP16, WWSOP16
*UMISO7063	6	3/3	4	3000 / 3750 / 5700 / 7500	6500 / 10000	200	Low / High	-40 to +125	SSOP16(0.635), SOP16 WSOP16, WWSOP16
UMISO6520	2	2/0	50	450 (Functional Isolators)	-	150	Low / High	-40 to +125	DFN8 3.0×2.0, SOP8
UMISO6521	2	1/1	50	450 (Functional Isolators)	-	150	Low / High	-40 to +125	DFN8 3.0×2.0, SOP8
UMISO6523	2	1/1 (Pin Mapping Swap)	50	450 (Functional Isolators)	-	150	Low / High	-40 to +125	DFN8 3.0×2.0, SOP8
UMISO6530	3	3/0	50	450 (Functional Isolators)	-	150	Low / High	-40 to +125	SSOP16(0.635), SOP16
UMISO6531	3	2/1	50	450 (Functional Isolators)	-	150	Low / High	-40 to +125	SSOP16(0.635), SOP16
UMISO6540	4	4/0	50	450 (Functional Isolators)	-	150	Low / High	-40 to +125	SSOP16(0.635), SOP16
UMISO6541	4	3/1	50	450 (Functional Isolators)	-	150	Low / High	-40 to +125	SSOP16(0.635), SOP16
UMISO6542	4	2/2	50	450 (Functional Isolators)	-	150	Low / High	-40 to +125	SSOP16(0.635), SOP16
UMISO6560	6	6/0	50	450 (Functional Isolators)	-	150	Low / High	-40 to +125	SSOP16(0.635), SOP16
UMISO6561	6	5/1	50	450 (Functional Isolators)	-	150	Low / High	-40 to +125	SSOP16(0.635), SOP16
UMISO6562	6	4/2	50	450 (Functional Isolators)	-	150	Low / High	-40 to +125	SSOP16(0.635), SOP16
UMISO6563	6	3/3	50	450 (Functional Isolators)	-	150	Low / High	-40 to +125	SSOP16(0.635), SOP16

I2C 隔离器 | I2C Isolators

Part Number	Channels	Serial Data	Serial Clock	Max Data Rate (Mbps)	Isolation Voltage (V _{RMS})	Surge Voltage Capability (V _{PK})	CMTI (kV/μs)	Operating Temperature Range (°C)	Package
*UMISO7700	2	Bidirectional	Bidirectional	3.4	3750 / 5700 / 7500	6500 / 10000	200	-40 to +125	SOP8, WSOP16, WWSOP8
*UMISO7701	2	Bidirectional	Unidirectional	3.4	3750 / 5700 / 7500	6500 / 10000	200	-40 to +125	SOP8, WSOP16, WWSOP8
*UMISO7702	4	Bidirectional	Bidirectional	Bidirectional data transfer up to 3.4 Mbps, Additional unidirectional isolated GPIO channels supporting 50 Mbps	3750 / 5700 / 7500	6500 / 10000	200	-40 to +125	WSOP16

隔离式 CAN 收发器 | Isolated CAN Transceivers

Part Number	Protocols	Fault protection (V)	Max Data Rate (Mbps)	Logic Side Supply Voltage (V)	Bus Side Supply Voltage (V)	Feature	Isolation Voltage (V _{RMS})	Surge Voltage Capability (V _{PK})	CMTI (kV/μs)	Operating Temperature Range (°C)	Package
UMISO1050	CAN, CAN FD	-40 to +40	5	3.0 to 5.5	4.5 to 5.5	-	3750 / 5700 / 7500	6500 / 10000	200	-40 to +125	DUB8, WSOP8, WSOP16, WWSOP8
UMISO1042	CAN, CAN FD	-40 to +40	5	3.0 to 5.5	4.5 to 5.5	-	5700	10000	200	-40 to +125	WSOP8, WSOP16, WSSOP10
UMISO1044	CAN, CAN FD	-40 to +40	5	3.0 to 5.5	4.5 to 5.5	-	3750	6500	200	-40 to +125	SOP8
UMISO1052	CAN, CAN FD	-40 to +40	5	3.0 to 5.5	4.5 to 5.5	Standby Mode	5700	10000	200	-40 to +125	WSOP16
UMISO1472	CAN, CAN FD	-40 to +40	5	3.0 to 5.5	4.5 to 5.5	Standby Mode	5700	10000	200	-40 to +125	WSSOP10
*UMISO1050M	CAN, CAN FD	-58 to +58	5	3.0 to 5.5	4.5 to 5.5	-	3750 / 5700 / 7500	6500 / 10000	200	-40 to +125	DUB8, WSOP8, WSOP16, WWSOP8
*UMISO1042M	CAN, CAN FD	-58 to +58	5	3.0 to 5.5	4.5 to 5.5	-	5700	10000	200	-40 to +125	WSOP8, WSOP16, WSSOP10
*UMISO1044M	CAN, CAN FD	-58 to +58	5	3.0 to 5.5	4.5 to 5.5	-	3750	6500	200	-40 to +125	SOP8
*UMISO1052M	CAN, CAN FD	-58 to +58	5	3.0 to 5.5	4.5 to 5.5	Standby Mode	5700	10000	200	-40 to +125	WSOP16
*UMISO1472M	CAN, CAN FD	-58 to +58	5	3.0 to 5.5	4.5 to 5.5	Standby Mode	5700	10000	200	-40 to +125	WSSOP10
UMISO1050H	CAN, CAN FD	-70 to +70	5	3.0 to 5.5	4.5 to 5.5	-	3750 / 5700 / 7500	6500 / 10000	200	-40 to +125	DUB8, WSOP8, WSOP16, WWSOP8
UMISO1042H	CAN, CAN FD	-70 to +70	5	3.0 to 5.5	4.5 to 5.5	-	5700	10000	200	-40 to +125	WSOP8, WSOP16, WSSOP10
UMISO1044H	CAN, CAN FD	-70 to +70	5	3.0 to 5.5	4.5 to 5.5	-	3750	6500	200	-40 to +125	SOP8
UMISO1052H	CAN, CAN FD	-70 to +70	5	3.0 to 5.5	4.5 to 5.5	Standby Mode	5700	10000	200	-40 to +125	WSOP16
UMISO1472H	CAN, CAN FD	-70 to +70	5	3.0 to 5.5	4.5 to 5.5	Standby Mode	5700	10000	200	-40 to +125	WSSOP10

*产品预发布 Preview

▶ 带有集成电源的隔离式 CAN 收发器 | Isolated CAN with Integrated Power

Part Number	Protocols	Fault Protection (V)	Max Data Rate (Mbps)	Logic Side Supply Voltage (V)	Isolated Output Supply Voltage (V)	Isolation Voltage (V _{RMS})	Surge Voltage Capability (V _{PK})	CMTI (kV/μs)	Operating Temperature Range (°C)	Package
*UMIP1050	CAN, CAN FD	-40 to +40	5	4.5 to 5.5	5	3750 / 5700	6500 / 10000	200	-40 to +125	LGA16 5.2×4.65, WSOP20
*UMIP1050M	CAN, CAN FD	-58 to +58	5	4.5 to 5.5	5	3750 / 5700	6500 / 10000	200	-40 to +125	LGA16 5.2×4.65, WSOP20
*UMIP1050H	CAN, CAN FD	-70 to +70	5	4.5 to 5.5	5	5700	10000	200	-40 to +125	WSOP20

▶ 隔离式 RS-485 收发器 | Isolated RS-485 Transceivers

Part Number	CMTI (kV/μs)	Duplex	Drivers/Receivers Per Package	Fault Protection (V)	Max Data Rate (Mbps)	Logic Side Supply Voltage (V)	Bus Side Supply Voltage (V)	Isolation Voltage (V _{RMS})	Surge Voltage Capability (V _{PK})	Operating Temperature Range (°C)	Package
UMISO3481	200	Half	1 / 1	-15 to +15	1	3.0 to 5.5	3.0 to 5.5	5700	10000	-40 to +125	WSOP16, WSSOP10
UMISO13082	200	Half	1 / 1	-15 to +15	20	3.0 to 5.5	3.0 to 5.5	5700	10000	-40 to +125	WSOP16, WSSOP10
UMISO13085	200	Half	1 / 1	-15 to +15	50	3.0 to 5.5	3.0 to 5.5	5700	10000	-40 to +125	WSOP16, WSSOP10
UMISO3481F	200	Full	1 / 1	-15 to +15	1	3.0 to 5.5	3.0 to 5.5	5700	10000	-40 to +125	WSOP16
UMISO13082F	200	Full	1 / 1	-15 to +15	20	3.0 to 5.5	3.0 to 5.5	5700	10000	-40 to +125	WSOP16
UMISO13085F	200	Full	1 / 1	-15 to +15	50	3.0 to 5.5	3.0 to 5.5	5700	10000	-40 to +125	WSOP16

▶ 带有集成电源的隔离式 RS-485 收发器 | Isolated RS-485 with Integrated Power

Part Number	CMTI (kV/μs)	Duplex	Drivers/Receivers Per Package	Fault Protection (V)	Max Data Rate (Mbps)	Logic Side Supply Voltage (V)	Isolated Output Supply Voltage (V)	Isolation Voltage (V _{RMS})	Surge Voltage Capability (V _{PK})	Operating Temperature Range (°C)	Package
*UMIP3481	200	Half	1 / 1	-15 to +15	1	3.0 to 5.5	3.3 / 5	3750 / 5700	6500 / 10000	-40 to +125	LGA16 5.2×4.65, WSOP16, WSOP20
*UMIP13082	200	Half	1 / 1	-15 to +15	20	3.0 to 5.5	3.3 / 5	3750 / 5700	6500 / 10000	-40 to +125	LGA16 5.2×4.65, WSOP16, WSOP20
*UMIP13085	200	Half	1 / 1	-15 to +15	50	3.0 to 5.5	3.3 / 5	3750 / 5700	6500 / 10000	-40 to +125	LGA16 5.2×4.65, WSOP16, WSOP20

▶ 隔离式放大器 | Isolated Amplifiers

Part Number	Isolation Voltage (V _{RMS})	Maximum Transient isolation Voltage (V _{PK})	Device Type	V _{FSR} (V)	Output Type	Input Offset (±) (max) (mV)	Input Offset Drift (±) (typ) (μV/°C)	CMTI (kV/μs)	Operating Temperature Range (°C)	Package
*UMISO8300	5000	7000	Voltage sensing	2	Differential	2	4	75	-40 to +125	WSOP8
*UMISO8311	5000	7000	Voltage sensing	2	Differential	9.9	20	75	-40 to +125	WSOP8

▶ 光耦合隔离式放大器 | Optocoupler Interface Isolated Amplifiers

Part Number	Isolation Voltage (V _{RMS})	Maximum Transient isolation Voltage (V _{PK})	Device Type	V _{FSR} (V)	Output Type	Input Offset (±) (max) (mV)	Input Offset Drift (±) (typ) (μV/°C)	CMTI (kV/μs)	Operating Temperature Range (°C)	Package
*UMOC8300	5000	8000	Voltage sensing	0.5	Differential	1	4	15	-40 to +125	WSOP8

▶ 隔离式 ADC | Isolated ADCs

Part Number	Isolation Voltage (V _{RMS})	Maximum Operating isolation Voltage (V _{RMS})	Device Type	V _{FSR} (mV)	Number of Input Channels	SNR (dB)	CMTI (kV/μs)	Digital Output Interface	Sample Rate (max) (Mbps)	Operating Temperature Range (°C)	Package
*UMISO8306E05	5000	1500	Current sensing	50	1	82	100	Manchester coded CMOS	21	-40 to +125	WSOP8
*UMISO8306E25	5000	1500	Current sensing	250	1	82	100	Manchester coded CMOS	21	-40 to +125	WSOP8
*UMISO8306M05	5000	1500	Current sensing	50	1	82	100	Uncoded CMOS	21	-40 to +125	WSOP8
*UMISO8306M25	5000	1500	Current sensing	250	1	82	100	Uncoded CMOS	21	-40 to +125	WSOP8
*UMISO8306L25	5000	1500	Current sensing	250	1	82	100	LVDS	21	-40 to +125	WSOP16

▶ 隔离式栅极驱动器 | Isolated Gate Drivers

Part Number	Isolation Voltage (V _{RMS})	I _{OUT+} / I _{OUT-} (A)	Features	Channels	V _{CC} UVLO Threshold (V)	Output Side V _{DD} Voltage (max) (V)	CMTI (V/ns)	Operating Temperature Range (°C)	Package
UMISO5101Tx	3000 / 5000	4 / 6	Interlock, UVLO, High CMTI	1	6.5, 8.5, 12.5, 17.6	35	150	-40 to +125	SOP8, WSOP8
UMISO5201Mx	3000 / 5000	10 / 10	Interlock, Miller clamping, UVLO, High CMTI	1	6.5, 8.5, 12.5, 17.6	35	150	-40 to +125	SOP8, WSOP8
UMISO5191Vx	5700	6 / 8	Opto-compatible input, UVLO, High CMTI	1	6, 8, 12, 15	45	250	-40 to +125	WSOP6
UMISO5102Vx	2500 / 3000 / 5000	4 / 6	UVLO, High CMTI, Programmable deadtime, DT floating detection and protection, Input-side and output-side UVLO protection	2	6.5, 8.5, 12.5, 17.6	35	150	-40 to +125	LGA13, SOP16, WSOP14, WSOP16
UMISO5202Mx	5000	10 / 10	UVLO, High CMTI, Miller clamping, Programmable deadtime, DT floating detection and protection, Input-side and output-side UVLO protection	2	6.5, 8.5, 12.5, 17.6	35	150	-40 to +125	WSOP18

*产品预发布 Preview

监控器和复位 IC

Supervisor & Reset ICs

▶ 监控器和复位 IC | Supervisor & Power Reset ICs

Part Number	Watchdog	Output driver type / Reset output	Manual Reset Input	PFI Option	Typical Threshold voltage (V)	V _{CC} Range (V)	I _Q (typ) (mA)	Reset Timeout Period (ms)	Operating Temperature Range (°C)	Package
UM803x	No	Open-drain, Active-low	No	No	1.58, 1.674, 2.19, 2.63, 2.93, 3.08, 4.38, 4.63	1.51 to 5.5	0.002	25, 50, 200, 435	-40 to +125	SOT323/SOT23-3
UM803-Q	No	Open-drain, Active-low	No	No	2.93	1.0 to 5.5	0.002	240	-40 to +125	SOT23-3
UM805x	No	Open-drain, Active-low	Yes	No	1.58, 1.674, 2.19, 2.63, 2.93, 3.08, 4.38, 4.63	1.51 to 5.5	0.002	25, 50, 200, 435	-40 to +125	SOT143
UM807x	No	Open-drain, Active-low	Yes	No	1.58, 1.674, 2.19, 2.63, 2.93, 3.08, 4.38, 4.63	1.51 to 5.5	0.002	25, 50, 200, 435	-40 to +125	SOT143
UM820	Yes (Programmable Watchdog)	Open-drain, Active-low	Yes	No	1.54, 1.58, 1.674, 1.728, 2.19, 2.325, 2.40, 2.79, 2.88, 3.069, 3.168, 4.0, 4.38, 4.65, 4.80	1.51 to 5.5	0.002	5, 25, 200, 435	-40 to +125	DFN8 2.0×2.0, DFN8 3.0×3.0
UM810x	No	Push-pull, Active-high	No	No	1.58, 1.674, 2.19, 2.63, 2.93, 3.08, 4.38, 4.63	1.51 to 5.5	0.002	25, 50, 200, 435	-40 to +125	SOT323/SOT23-3
UM812x	No	Push-pull, Active-high	Yes	No	1.58, 1.674, 2.19, 2.63, 2.93, 3.08, 4.38, 4.63	1.51 to 5.5	0.002	25, 50, 200, 435	-40 to +125	SOT143
UM822x	No	Push-pull, Active-high	Yes	No	1.58, 1.674, 2.19, 2.63, 2.93, 3.08, 4.38, 4.63	1.51 to 5.5	0.002	25, 50, 200, 435	-40 to +125	SOT143
UM809x	No	Push-pull, Active-low	No	No	1.58, 1.674, 2.19, 2.63, 2.93, 3.08, 4.38, 4.63	1.51 to 5.5	0.002	25, 50, 200, 435	-40 to +125	SOT323/SOT23-3
UM811x	No	Push-pull, Active-low	Yes	No	1.58, 1.674, 2.19, 2.63, 2.93, 3.08, 4.38, 4.63	1.51 to 5.5	0.002	25, 50, 200, 435	-40 to +125	SOT143
UM821x	No	Push-pull, Active-low	Yes	No	1.58, 1.674, 2.19, 2.63, 2.93, 3.08, 4.38, 4.63	1.51 to 5.5	0.002	25, 50, 200, 435	-40 to +125	SOT143
UM825x	No	Push-pull, Active-low / Active-high	Yes	No	1.54, 1.58, 1.674, 1.728, 2.19, 2.32, 2.40, 2.63, 2.79, 2.93, 3.08, 3.168, 4.0, 4.38, 4.63, 4.8	1.51 to 5.5	0.002	25, 50, 200, 435	-40 to +125	SOT23-5/SOT353
UM708x	No	Push-pull, Active-low / Active-high	Yes	Yes	1.58, 1.674, 2.19, 2.63, 2.93, 3.08, 4.38, 4.63	1.51 to 5.5	0.002	25, 50, 200, 435	-40 to +125	SOP8

-Q 产品通过车规认证 AEC-Q100 Qualified

▶ 监控器和复位IC (续) | Supervisor & Power Reset ICs (continued)

Part Number	Watchdog	Output driver type / Reset output	Manual Reset Input	PFI Option	Typical Threshold voltage (V)	V _{CC} Range (V)	I _Q (typ) (mA)	Reset Timeout Period (ms)	Operating Temperature Range (°C)	Package
UM813x	Yes (1600 ms)	Push-pull, Active-high	Yes	Yes	1.58, 1.674, 2.19, 2.63, 2.93, 3.08, 4.38, 4.63	1.51 to 5.5	0.002	25, 50, 200, 435	-40 to +125	SOP8
UM823x	Yes (1600 ms)	Push-pull, Active-low	Yes	No	1.54, 1.58, 1.674, 1.728, 2.19, 2.32, 2.40, 2.63, 2.79, 2.93, 3.08, 3.168, 4.0, 4.38, 4.63, 4.8	1.51 to 5.5	0.002	25, 50, 200, 435	-40 to +125	SOT23-5/SOT353
UM823-Q	Yes (1600 ms)	Push-pull, Active-low	Yes	No	2.93	1.0 to 5.5	0.004	200	-40 to +125	SOT23-5
UM706x	Yes (1600 ms)	Push-pull, Active-low	Yes	Yes	1.58, 1.674, 2.19, 2.63, 2.93, 3.08, 4.38, 4.63	1.51 to 5.5	0.002	25, 50, 200, 435	-40 to +125	DFN8 1.5×1.5, SOP8, MSOP8
UM824x	Yes (1600 ms)	Push-pull, Active-low / Active-high	No	No	1.54, 1.58, 1.674, 1.728, 2.19, 2.32, 2.40, 2.63, 2.79, 2.93, 3.08, 3.168, 4.0, 4.38, 4.63, 4.8	1.51 to 5.5	0.002	25, 50, 200, 435	-40 to +125	SOT23-5/SOT353

模拟开关和多路复用器

Analog Switches & Multiplexers

▶ 模拟开关和多路复用器 | Analog Switches & Multiplexers

Part Number	Configuration	Signal Type	V _{CC} Range (V)	Bandwidth (MHz)	R _{ON} (typ) (Ω)	C _{ON} (typ) (pF)	Typical Application	Operating Temperature Range (°C)	Package
Low Ron Analog Switches (Ron<1Ω)									
UM4157	1 × [SEL + 1 × (1:2)]	Single	1.65 to 4.3	70	0.8	90	GPIO	-40 to 85	SOT363
UM2268	2 × [SEL + 1 × (1:2)]	Single	1.8 to 4.4	80	0.4	56	—	-40 to 85	QFN10 1.8×1.4
UM4684	2 × [SEL + 1 × (1:2)]	Single	1.8 to 5.5	20	0.5	406	—	-40 to 85	CSP10 2.0×1.5, MSOP10
UM5223	2 × [SEL + 1 × (1:2)]	Single	1.65 to 4.5	75	0.5	55	—	-40 to 85	QFN10 1.8×1.4
UM3699	2 × [SEL + 2 × (1:2)]	Single	1.65 to 5.5	20	0.6	230	—	-40 to 85	QFN16 3.0×3.0
*UMUX3718	2 × [SEL + 1 × (1:2)]	Single	2.5 to 5.5	150	0.7	42	—	-40 to 125	QFN10 1.8×1.4
High Bandwidth Data Switches (BW>200MHz)									
UM3156	1 × [SEL + 1 × (1:2)]	Single	1.65 to 5.5	230	10	20.1	GPIO	-40 to 85	SC70-6/SC88/SOT363
UM3156-Q	1 × [SEL + 1 × (1:2)]	Single	1.65 to 5.5	230	10	20.1	GPIO	-40 to 125	SC70-6/SC88/SOT363
UM3157	1 × [SEL + 1 × (1:2)]	Single	1.65 to 5.5	250	7	18.5	GPIO	-40 to 85	SC70-6/SC88/SOT363
*UM3157A	1 × [SEL + 1 × (1:2)]	Single	1.65 to 5.5	500	5	11	GPIO	-40 to 125	SC70-6/SC88/SOT363/SOT23-6
*UM3158	1 × [SEL + 1 × (1:2)] + nOE	Single	1.65 to 5.5	500	5	11	GPIO	-40 to 125	VSSOP8
UM3257	2 × [SEL + 1 × (1:2)]	Single	1.65 to 5.5	250	7	18.5	GPIO	-40 to 85	DFN12 3.0×1.6
UM3258	2 × [SEL + 1 × (1:2)]	Single	1.65 to 5.5	300	7	18.5	GPIO	-40 to 85	DFN12 3.0×1.0
UM4717	2 × [SEL + 1 × (1:2)]	Single	1.8 to 5.5	300	6	15	GPIO	-40 to 85	CSP10 1.9×1.4, QFN10 1.8×1.4
*UM4717A	2 × [SEL + 1 × (1:2)]	Single	1.65 to 5.5	500	5	11	GPIO	-40 to 125	MSOP10

*产品预发布 Preview

-Q 产品通过车规认证 AEC-Q100 Qualified

▶ 模拟开关和多路复用器 (续) | Analog Switches & Multiplexers (continued)

Part Number	Configuration	Signal Type	V _{CC} Range (V)	Bandwidth (MHz)	R _{ON} (typ) (Ω)	C _{ON} (typ) (pF)	Typical Application	Operating Temperature Range (°C)	Package
UM3670	2 × [SEL + 2 × (1:2)]	Single	1.8 to 5.5	300	5	18	GPIO	-40 to 85	QFN16 3.0×3.0, QFN16 2.6×1.8
UM3670-Q	2 × [SEL + 2 × (1:2)]	Single	1.8 to 5.5	300	5	18	GPIO	-40 to 125	QFN16 2.6×1.8
UM3670B	2 × [SEL + 2 × (1:2)]	Single	1.65 to 5.5	500	5	11	GPIO	-40 to 125	QFN16 3.0×3.0, QFN16 2.6×1.8
UM3671	1 × [SEL + 4 × (1:2)]	Single	1.65 to 5.5	500	6.8	43	GPIO	-40 to 125	QFN16 3.0×3.0, QFN16 2.6×1.8
UM7222	1 × [SEL + 2 × (1:2)] + nOE	Differential	2.7 to 5.5	550	9	7	USB2.0	-40 to 85	QFN10 1.8×1.4, MSOP10
UM7222B	1 × [SEL + 2 × (1:2)] + nOE	Differential	1.65 to 5.5	550	9	12	USB2.0	-40 to 125	QFN10 1.8×1.4
UM7227	1 × [SEL + 2 × (1:2)] + nOE	Differential	2.7 to 5.5	750	9.8	7	USB2.0	-40 to 85	QFN10 1.8×1.4, MSOP10
UM9636	2 × [SEL + 1 × (1:2)]	Differential	2.7 to 12	720	83	7.7	USB2.0	-40 to 85	QFN10 1.8×1.4
*UMUX3384	2 × [5 × (1:1) + nOE]	Single	1.65 to 5.5	540	5	9.8	GPIO	-40 to 125	TSSOP24, QFN24 3.5×5.5
Video Switch									
UM330	1 × [SEL + 4 × (1:2)] + nOE	Single	4.5 to 5.5	500	7	10	VGA	-40 to 85	TSSOP16
UM330A	1 × [SEL + 4 × (1:2)] + nOE	Single	1.65 to 5.5	600	7.6	10	VGA	-40 to 125	SSOP16(0.635)

电源管理

Power Management

线性稳压器 | Low Dropout Regulator

Part Number	Input Voltage Range (V)	Output Options	I _Q (mA)	Output Current (mA)	Noise (μV _{RMS})	V _{OUT} Range (V)	Dropout (mV)	PSRR @1kHz (dB)	EN Control	Operating Temperature Range (°C)	Package
UM4750	2.5 to 5.5	Fixed	0.11	300 (Dual Output)	200	1.2 to 5.0	100	45	Yes	-40 to +85	SOT23-6 DFN6 2.0×2.0, DFN8 3.0×3.0
High PSRR, Low Noise Linear Regulator											
UM1520	1.7 to 5.5	Fixed	0.05	300	50	1.1, 1.2, 1.8, 2.5, 2.7, 2.8, 3.0, 3.3	178 (typ)	91 (typ)	Yes	-40 to +85	SOT23-5, DFN4 1.0×1.0
UM1522	1.7 to 5.5	Adjustable	0.05	300	50	0.8 to 3.3	178 (typ)	73 (typ)	Yes	-40 to +85	SOT23-5
UM1523	1.7 to 5.5	Fixed	0.05	300	50	0.8, 0.9, 1.0	178 (typ)	73 (typ)	Yes	-40 to +85	SOT23-5, DFN4 1.0×1.0
300mA/350mA CMOS Linear Regulators											
UM165xx	2.5 to 6.0	Fixed	0.09	300	—	2.8 / 3.3	90	65	No	-40 to +85	SOT23-3
UM175xx	2.5 to 6.0	Fixed	0.09	300	—	2.8 / 3.3	90	65	Yes	-40 to +85	SOT23-5
UM365xx	2.5 to 6.0	Fixed	0.05	300	200	1.2 to 5.0	150	—	No	-40 to +85	SOT23-3, SOT323
UM375xx	2.0 to 6.0	Fixed	0.05	300	170	1.2 to 5.0	150	—	Yes	-40 to +85	SOT23-5, SOT353
High Output Current CMOS Linear Regulator											
UM1770	2.5 to 6.0	Fixed / Adjustable	0.092	500	194	Fixed 1.0 to 4.0 Adjustable 1.0 to 5.0	220	60	Yes	-40 to +85	DFN6 2.0×2.0 SOT89-5, SOT23-5
UM1770-Q	2.5 to 6.0	Fixed / Adjustable	0.092	500	194	Fixed 1.0 to 4.0 Adjustable 1.0 to 5.0	220	60	Yes	-40 to +125	DFN6 2.0×2.0, SOT23-5
Ultra Low Quiescent Current Linear Regulators											
UM1530	1.8 to 6.0	Fixed	0.001	300	500	1.2 to 5.0	250	42	No	-40 to +85	SOT23-3 DFN6 2.0×2.0, DFN4 1.0×1.0
UM1540	1.8 to 6.0	Fixed	0.001	300	500	1.2 to 5.0	250	42	Yes	-40 to +85	SOT23-5 DFN4 1.0×1.0, DFN6 2.0×2.0
UM1550	1.8 to 8.0	Fixed	0.0025	300	115	1.2 to 5.0	250	42	No	-40 to +85	DFN6 2.0×2.0, DFN4 1.0×1.0 SOT23-3, SOT89-3
UM1560	1.8 to 8.0	Fixed	0.0025	300	115	1.2 to 5.0	250	42	Yes	-40 to +85	DFN6 2.0×2.0, DFN4 1.0×1.0 SOT23-5, SOT343

-Q 产品通过车规认证 AEC-Q100 Qualified

线性稳压器 (续) | Low Dropout Regulator (continued)

Part Number	Input Voltage Range (V)	Output Options	I _Q (mA)	Output Current (mA)	Noise (μV _{RMS})	V _{OUT} Range (V)	Dropout(mV)	PSRR @1kHz (dB)	EN Control	Operating Temperature Range (°C)	Package
Ultra Low Quiescent Current Linear Regulators											
UM14233	4.3 to 12.0	Fixed	0.008	300	44	3.3	270	60	No	-40 to +85	SOT23-3, SOT89-3
UM1430	3.6 to 18.0	Fixed	0.0048	30	450	2.0 to 6.0	250	45	No	-40 to +85	SOT23-3, SOT89-3
UM1440	3.6 to 18.0	Fixed	0.0048	30	450	2.0 to 6.0	250	45	Yes	-40 to +85	SOT23-5, SOT89-5
UM1450	2.5 to 16.0	Fixed	0.002	250	240	2.5 to 5.0	300	40	No	-40 to +85	SOT23-3, SOT89-3
UM1460	2.5 to 16.0	Fixed / Adjustable	0.002	250	240	2.5 to 5.0	300	40	Yes	-40 to +85	SOT23-5, SOT89-5
UM1451	2.5 to 24.0	Fixed	0.0035	300	80	2.5 to 5.0	380	71	No	-40 to +85	SOT23-3, SOT89-3
UM1461	2.5 to 24.0	Fixed / Adjustable	0.0035	300	80	2.5 to 5.0	380	71	Yes	-40 to +85	SOT23-5, SOT89-5
UM1461-Q	2.5 to 24.0	Fixed / Adjustable	0.0035	300	80	2.5 to 5.0	380	71	Yes	-40 to +125	SOT23-5
UM1431	3.6 to 30	Fixed	0.0058	100	450	2.0 to 6.0	325	45	No	-40 to +85	SOT23-3, SOT23-5, SOT89-3
UM1441	3.6 to 30	Fixed	0.0058	100	450	2.0 to 6.0	325	45	Yes	-40 to +85	SOT23-5, SOT89-5
*UM1470	2.7 to 40	Fixed	0.001	150	190	1.2 to 6.5	295	52	No	-40 to +85	SOT23-3, SOT89-3
*UM1480	2.7 to 40	Fixed	0.001	150	190	1.2 to 6.5	295	52	Yes	-40 to +85	SOT23-5, DFN6 2.0×2.0

降压转换器 | DC-DC Buck

Part Number	Topology	Input Voltage Range (V)	Output Voltage (V)	Max Output Current (mA)	Quiescent Current (uA)	Switching Frequency (MHz)	Control Mode	Max Efficiency	Operating Temperature Range (°C)	Package
UM3500	Sync Buck	2.5 to 5.5	0.6 to VIN	600	50	1.5	PWM	96%	-40 to +85	SOT23-5
UM3501	Sync Buck	2.5 to 5.5	0.6 to VIN	600	50	1.2	PWM	90%	-40 to +85	SOT23-5, DFN6L 2.0×2.0
*UM3502	Sync Buck (Integrated Inductor)	2.5 to 5.5	0.6 to 5.0	600	60	1.2	PWM	90%	-40 to +85	QFN24 4.0×4.0
*UM3503	Sync Buck (Integrated Inductor)	2.5 to 5.5	1.0 to 5.0	1000	56	2.25	PWM	90%	-40 to +85	QFN24 4.0×4.0
*UM3506	Sync Buck (Integrated Inductor)	2.5 to 5.5	0.6 to 5.0	600	60	2.25	PWM	90%	-40 to +85	QFN14 2.5×2.5
*UM3507	Sync Buck	2.5 to 5.5	0.7 to 3.6	600	11	6	HiSAT-COT, PWM/PFM Auto	90%	-40 to +85	CSP5 0.88×0.96
UM3510	Sync Buck	2.5 to 6.0	0.6 to VIN	1000	56	2.25	PWM	95%	-40 to +85	SOT23-6, DFN6 2.0×2.0
UM5485	Sync Buck	4.2 to 20.0	0.77 to 5.0	2000	330	0.65	COT	93%	-40 to +85	SOT23-6
*UM5486	Sync Buck	3.8 to 40.0	0.8 to 40.0	3500	25	0.3 to 2.2	PSM (Frequency Spread Spectrum)	95%	-40 to +85	SOP8-EP, QFN15 2.0×3.0

*产品预发布 Preview

-Q 产品通过车规认证 AEC-Q100 Qualified

升压转换器 | DC-DC Boost

Part Number	Topology	Input Voltage Range (V)	Output Voltage (V)	Limit Current (mA)	Quiescent Current (uA)	Switching Frequency (MHz)	Control Mode	Max Efficiency	Operating Temperature Range (°C)	Package
UM3429S	Sync Boost	0.5 to 5.0	2.5 to 5.0	600	20	0.5	PWM	92%	-40 to +85	SOT23-6
UM3430A	Sync Boost	2.3 to 5.0	2.5 to 5.0	1000	48	0.5	PWM	94%	-40 to +85	SOT23-6, DFN6 2.0×2.0
UM1660	Sync Boost	2.0 to 6.0	2.0 to 28.0	450	36	1	PFM	88%	-40 to +85	SOT23-5, DFN6L 2.0×2.0
UM1666	Sync Boost	2.0 to 6.0	2.0 to 28.0	600	36	1	PFM	88%	-40 to +85	SOT23-5, DFN6L 2.0×2.0

LED 照明驱动 | LED Lighting Driver

Part Number	Description	Topology	V _{IN} Range (V)	Maximum LED Current (mA)	LED Current Accuracy (%)	Dimming Mode	Efficiency	Typical Sense Voltage (mV)	I _q (typ) (mA)	Operating Temperature Range (°C)	Package
UM1350	30V Input 350mA Step-Down Current Mode LED Driver	Buck	6.0 to 30.0	350	5	PWM/Analog	95%	100	0.22	-40 to +85	SOT23-5
UM1351	35V Input 700mA Step-Down Current Mode LED Driver	Buck	6.0 to 35.0	700	5	PWM/Analog	98%	100	0.43	-40 to +85	SOT89-5 SOT23-5
UM1360	40V, 1A Step-Down Current Mode LED Driver, with Frequency Jitter	Buck	6.0 to 40.0	1000	5	PWM/Analog	98%	100	0.43	-40 to +85	SOT89-5
UM1361	40V Input 1A Step-Down Current Mode LED Driver	Buck	6.0 to 40.0	1000	5	PWM/Analog	> 90%	100	0.6	-40 to +85	SOT23-5

LED 背光驱动 | LED Backlight Driver

Part Number	Topology	Channel	V _{IN} Range (V)	V _{OUT} Range (V)	Dimming Mode	I _{LIMIT} (A)	Switching Frequency (kHz)	Max Efficiency	Application	Operating Temperature Range (°C)	Package
UM1663	Boost	1	2.8 to 5.5	V _{IN} to 36	PWM	1.2	1000	85%	White LED Driver	-40 to +85	SOT23-6

负载开关 | Load Switches

Part Number	Feature	V _{CC} Range (V)	Typical R _{ON} (mΩ)	Quiescent Current (uA)	Shutdown Current (uA)	Current Limit (A)	Soft-Start	Operating Temperature Range (°C)	Package
*UM9711	High-Side Over Current Protection Power Switch with Flag	2.5 to 5.5	90	40	0.1	2.5	Yes	-40 to +85	SOT23-5, SOP8
*UM9712	High-Side Over Current Protection Power Switch with Flag	2.5 to 5.5	80	120	0.1	2.5	Yes	-40 to +85	SOP8, STO23-6, DFN6 2.0×2.0
UM3865P	Load Switch with Level Shifter	1.8 to 8.0	300	1	0.1	5	Yes	-40 to +85	SOT363

*产品预发布 Preview