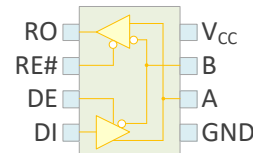




CAN / RS-485/422/232 Line Transceiver IC

- UTC UTRS-series are RS-485/RS-422 transceivers with one driver and one receiver. The devices are 5V-powered, reliable with fail-safe circuitry, short-circuit protection, over-temperature shutdown and >12kV ESD capability



Part No.	Pin#	Duplex	Speed	RIN	Node#	Features
UTRS485	8	Half	1.0 Mbps	> 12k Ω (1UL)	32	Hot-swap Glitch-free
UTRS3088	8	Half	1.0 Mbps	> 96k Ω (1/8UL)	256	Hot-swap Glitch-free
UTRS458	8	Half	500 kbps	> 96k Ω (1/8UL)	256	Hot-swap Glitch-free, Polarity-free
UTRS3082	8	Half	115 kbps	> 96k Ω (1/8UL)	256	Hot-swap Glitch-free
UTRS3080	14	Full	500 kbps	> 96k Ω (1/8UL)	256	slew-rate limiting

- RS-232 transceiver IC renders circuit better driving capability

Part Number	pin# min	Drv# / Rcv#	Speed (bps)	Vcc(V)	Auto- Powerdown	Additional Control-pins
UT3243A	28	3-Drv / 5-Rcv	235k	3.3 / 5V	Yes	INVD# FON FOFF# activeRout
UT5232	28	3-Drv / 5-Rcv	235k	3.3 / 5V		INVD# FON FOFF# activeRout
UT3223	20	2-Drv / 2-Rcv	250k	3.3 / 5V	Yes	EN# INVD# FON FOFF#
UT3222	20	2-Drv / 2-Rcv	250k	3.3 / 5V		EN# FOFF#
UT3232	16	2-Drv / 2-Rcv	250k	3.3 / 5V		
UT232E	16	2-Drv / 2-Rcv	120k	3.3 / 5V		
UTRS3227*	16	1-Drv / 1-Rcv	1M	3.3 / 5V	Yes	INVD# FON FOFF# Rdy
UT3221	16	1-Drv / 1-Rcv	250k	3.3 / 5V	Yes	EN# INVD# FON FOFF#
UT3221E	16	1-Drv / 1-Rcv	250k	3.3 / 5V	Yes	EN# FOFF#
UT213	28	4-Drv / 5-Rcv	120k	5V		EN FOFF#(D, R)
75232	20	3-Drv / 5-Rcv	120k	5V		
75185	20	3-Drv / 5-Rcv	120k	5V		

- UTC UCA82C-series provide differential transmitting capability to the bus and differential receiving capability to the CAN controller

		V _{CC} : 5V 1MBd	Support nodes >110 V _{DIFF} : 1.5~3V	R _I : 5k~25kΩ R _{DIFF} : 20k~100kΩ		
		Part Number	Bus Voltage	Transient Voltage	Slew Rate	I_{CC,MAX}
		UCA82C250	12V (18V rated)	-150 ~ +100V	14 V/μs	170μA
		UCA82C251	24V (36V rated)	-200 ~ +200V	7 V/μs	330μA

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Planar MOSFET (600~680V)

- UTC provides competitive MOSFET in robust planar structure, for circuit reliability and budget benefit for customers.

Part Number	V _{DSS}	R _{DS(ON),MAX}	Part Number	V _{DSS}	R _{DS(ON),MAX}	Part Number	V _{DSS}	R _{DS(ON),MAX}
BSS127/Z	600	500Ω	10N60-ML	600	0.9Ω	4N65-ML	650	2.6Ω
01N60Z-ML	600	60Ω	10N60Z	600	0.75Ω	4N65Z	650	2.5Ω
03N60-KW	600	20Ω	12N60-ML	600	0.74Ω	5N65-MLQ	650	2.6Ω
03N60-CB	600	24Ω	13N60-ML	600	0.68Ω	5N65-ML1	650	2.5Ω
05N60-CB	600	23Ω	14N60-ML	600	0.55Ω	5N65Z	650	2.4Ω
1N60-MS	600	14Ω	16N60-ML	600	0.55Ω	6N65-ML	650	1.9Ω
1N60-SE	600	17.5Ω	17N60-ML	600	0.42Ω	7N65-ML	650	1.3Ω
1N60-LC1	600	11Ω	18N60-HC	600	0.45Ω	8N65-ML	650	1.2Ω
1N60Z	600	11.5Ω	18N60-ML	600	0.4Ω	8N65-MLQ	650	1.3Ω
2N60A-LC1	600	6.3Ω	20N60-HCQ	600	0.5Ω	9N65-ML	650	1.3Ω
2N60Z	600	5Ω	26NM60Z-U3	600	0.14Ω	9N65-HD2	650	1.2Ω
2N60-LC1	600	5Ω	26NM60SZ-U3	600	0.155Ω	10N65-ML	650	1Ω
3N60Z	600	3.6Ω	1N65-MS	650	14Ω	12N65-ML	650	0.85Ω
3N60-LC	600	3Ω	1N65-SE	650	18Ω	13N65-ML	650	0.72Ω
4N60Z	600	2.5Ω	1N65-LC1	650	12Ω	14N65-ML	650	0.65Ω
4N60-ML	600	2.3Ω	1N65Q-TA	650	9.5Ω	16N65-ML	650	0.6Ω
5N60Z	600	1.8Ω	2N65-CBS	650	9.5Ω	17N65-ML	650	0.48Ω
5N60-ML1	600	2.5Ω	2N65A-LC1	650	6.6Ω	18N65-HC	650	0.5Ω
6N60Z	600	1.75Ω	2N65-LC1	650	5.5Ω	18N65-ML	650	0.43Ω
6N60-ML	600	1.7Ω	2N65ZL	650	5Ω	20N65-HC	650	0.4Ω
7N60-ML	600	1.2Ω	3N65-LC	650	3.8Ω	20N65-ML	650	0.43Ω
7N60Z	600	1Ω	3N65Z	650	3.8Ω	16N68-ML	680	0.6Ω
8N60-ML	600	1Ω	4N65-TC3	650	2.9Ω	M67N68	680	0.45Ω



Split-gate Trench MOSFET

- UTC split-gate trench MOSFET utilize vertical structure and advanced technology to provide low resistance, fast switching, and low-profile packages over conventional trench MOSFET.

N-ch SGT	VDSS	$R_{DS(ON), MAX}$	Package
USG03R014M-J	30V	1.4 mΩ	PDFN5x6
USG04R012M-T	40V	1.25 mΩ	TOLL-8A
USG06R360M	60V	36 mΩ	TO-252
USG06R029M	60V	2.9 mΩ	TO-220
USG06R024M	60V	2.4 mΩ	TO-220
USG08R044H	80V	4.4 mΩ	PDFN5x6 TO-263
USG085R035H-T	85V	3.5 mΩ	PDFN5x6 TO-263
USG085R031H	85V	3.1 mΩ	TO-220
USGR028N85	85V	2.8 mΩ	TO-220
USG10R035H	100V	3.5 mΩ	TO-220
USG10R800H	100V	80 mΩ	PDFN3x3
USG10R555H	100V	55.5 mΩ	PDFN3x3
USG10R550M	100V	55 mΩ	PDFN3x3
USG10R415H	100V	41.5 mΩ	PDFN3x3 TO-220
USG10R230H	100V	23 mΩ	PDFN3x3 PDFN5x6 TO-220
USG10R160H	100V	16 mΩ	PDFN3x3 PDFN5x6
USG10R135H	100V	13.5 mΩ	PDFN3x3 PDFN5x6
USG10R130M-T	100V	13 mΩ	PDFN5x6
USG10R100M	100V	10 mΩ	PDFN5x6 TO-220 TO-220F1
USG10R088M	100V	8.8 mΩ	PDFN5x6 TO-252 TO-220F1
USG10R068M	100V	6.8 mΩ	PDFN5x6
USG10R068H	100V	6.8 mΩ	PDFN5x6 TO-263 TO-220

N-ch SGT	VDSS	$R_{DS(ON), MAX}$	Package
USG10R072M	100V	7.2 mΩ	PDFN5x6 TO-252 TO-263 TO-251 TO-262 TO-220 TO-220F1
USG10R072H	100V	8 mΩ	PDFN5x6 TO-252 TO-263 TO-251 TO-262 TO-220 TO-220F1
USG10R060H	100V	6 mΩ	PDFN5x6 TO-220
USG10R080M-T	100V	8 mΩ	PDFN5x6 TO-220F1
USG10R050M-T	100V	5 mΩ	PDFN5x6 TO-220 TO-220F1
USG10R052M	100V	5.2 mΩ	PDFN5x6
USG10R050M	100V	5 mΩ	TO-263 TO-220 TO-220F1 TO-247
USG10R044M	100V	4.4 mΩ	PDFN5x6 TO-252 TO-220 TO-220F1
USG10R044H	100V	4.4 mΩ	PDFN5x6 TO-252 TO-263 TO-220 TO-220F1
USG10R036M	100V	3.6 mΩ	TO-220
USGR026N10	100V	2.6 mΩ	TOLL-8A TOLL-8B TO-263 TO-220 TO-220F1 TO-247
USG12R072M-T	120V	7.2 mΩ	PDFN5x6 TO-220 TO-220F1
USG80N15H	150V	13.5 mΩ	PDFN5x6 TO-220 TO-220F1

P-ch SGT	VDSS	$R_{DS(ON), MAX}$	Package
USG60P08M	-80	19.5 mΩ	TO-220

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