

STMICROELECTRONICS Data Transmission and Drivers



Products may be RoHS compliant. Check mouser.com for RoHS status.

Surface Mount Device

DATA TRANSMISSION

RS-232

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Supply Voltage (V)	No. of Drivers	No. of Rcvrs	Data Rate (Min/Typ) (kbps)	ICC (Typ) (mA)	Ext. Cap. (uF)	No. of Ext. Cap.	ESD Protect	Temperature Range (°C)	Price Each		
												1	10	100
◆ 511-ST3232BT	ST3232BTR	TSSOP-16	3.0	2	2	-----/250	0.3	0.1	4	-	-40 to +85	2.38	2.02	1.64
◆ 511-ST3232CT	ST3232CTR	TSSOP-16	3.0	2	2	-----/250	0.3	0.1	4	-	0 to +70	2.14	1.83	1.49
◆ 511-ST3232CWR	ST3232CWR	SO-16L	3.0	2	2	-----/250	0.3	0.1	4	-	0 to +70	2.14	1.83	1.49
◆ 511-ST3232CDR	ST3232CDR	SO-16	3.0	2	2	-----/400	0.3	0.1	4	-	0 to +70	2.10	1.80	1.47
◆ 511-ST3232EB	ST3232EBTR	TSSOP-16	3.0	2	2	-----/250	0.3	0.1	4	15kV	-40 to +85	2.74	2.35	1.89
◆ 511-ST3241ECP	ST3241ECP	SSOP-28	3.0	3	5	250/-----	0.3	0.1	4	15kV	0 to +70	3.39	2.88	2.35
◆ 511-ST232CDR	ST232CDR	SO-16	5.0	2	2	-----/400	1.5	0.1	4	-	0 to +70	1.11	.98	.78
◆ 511-ST232CN	ST232CN	DIP-16	5.0	2	2	-----/400	1.5	0.1	4	-	0 to +70	.99	.87	.69
◆ 511-ST3232EBDR	ST3232EBDR	SO-16	5.0	2	2	-----/400	5	0.1	4	15kV	-40 to +85	1.39	1.23	.98
◆ 511-ST3232ECD	ST3232ECDR	SO-16	5.0	2	2	-----/400	5	0.1	4	15kV	0 to +70	2.46	2.12	1.75
◆ 511-ST3485ECDR	ST3485ECDR	SO-8	7.0	1	1	-----/250	0.3	0.1	4	15kV	0 to +70	2.63	2.25	1.84
◆ 511-ST3485EBDR	ST3485EBDR	SO-8	7.0	1	1	-----/250	0.3	0.1	4	15kV	-40 to +85	2.58	2.23	1.76

RS-422

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MOUSER STOCK NO.	STM Part No.	Package Type	Supply Voltage (V)	No. of Drivers	No. of Rcvrs	Output State	ICC (Typ) (mA)	VOL (Min) (V)	VOL (Max) (V)	Prop. Delay In-out (typ)(ns)	Temperature Range (°C)	Price Each		
												1	10	100
◆ 511-ST26C31BDR	ST26C31BDR	SO-16	5.0	4	-	Tri-State	0.8	2.5	0.5	6	-40 to +85	.93	.82	.68
◆ 511-ST26C31B	ST26C31BTR	TSSOP-16	5.0	4	-	Tri-State	0.8	2.5	0.5	6	-40 to +85	.97	.89	.74
◆ 511-ST26C32ABDR	ST26C32ABDR	SO-16	7.0	-	4	Tri-State	16	0.2	0.3	19	-40 to +85	.97	.85	.66
◆ 511-ST26C32AB	ST26C32ABTR	TSSOP-16	7.0	-	4	Tri-State	16	0.2	0.3	19	-40 to +85	1.03	.91	.764

RS-485

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Supply Voltage (V)	No. of Drivers	No. of Rcvrs	Data Rate (Min/Typ) (kbps)	ICC (Typ) (mA)	VOL (Min) (V)	VOL (Max) (V)	Prop. Delay In-out (typ)(ns)	Temperature Range (°C)	Price Each		
												1	10	100
◆ 511-ST485CDR	ST485CDR	SO-8	5.0	1	1	-----/-----	0.3	3.5	0.4	30	0 to +70	1.14	1.01	.84
◆ 511-ST485CN	ST485CN	DIP-8	5.0	1	1	-----/-----	0.3	3.5	0.4	30	0 to +70	1.55	1.40	1.11
◆ 511-ST485EBDR	ST485EBDR	SO-8	5.0	1	1	-----/-----	0.3	3.5	0.4	30	-40 to +85	1.78	1.58	1.24
◆ 511-ST3485EBDR	ST3485EBDR	SO-8	7.0	1	1	-----/250	0.3	0.1	4	15kV	-40 to +85	2.58	2.23	1.76
◆ 511-ST3485ECDR	ST3485ECDR	SO-8	7.0	1	1	-----/250	0.3	0.1	4	15kV	0 to +70	2.63	2.25	1.84

DRIVERS



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Description	Supply Voltage (V)	Supply Current Typ/Max (mA)	Drivers Per Package	Propagation Delay Time Type/Max (ns)	Temp. Range (°C)	Price Each		
									1	10	100
◆ 511-L293DD-TR	L293DD013TR	SO-12	Push-pull DTL/TTL comp. driver	36	---/1.2	4	----/----	-40 to +150	4.72	4.26	3.57
◆ 511-L297	L297/1	DIP-20	Stepper motor controller driver	10	---/80	4	----/----	-40 to +150	9.52	8.72	7.31
◆ 511-L297D	L297D	SO-20	Stepper motor controller driver	10	---/80	4	----/----	-40 to +150	6.65	6.45	5.87
◆ 511-L298HN	L298HN	Multiwatt-15	Dual full bridge driver	50	---/4	2	----/----	-40 to +150	4.85	4.35	3.65
◆ 511-L6201	L6201	SO-20	DMOS full bridge driver	52	---/5	1	----/----	-40 to +150	10.04	9.08	7.35
◆ 511-L6201PS	L6201PS	PowerSO-20	DMOS full bridge driver	48	---/4	1	200/400	-40 to +150	10.30	8.74	7.18
◆ 511-L6202	L6202	DIP-18	DMOS full bridge driver	48	---/1.5	1	200/400	-40 to +150	9.71	8.74	7.18
◆ 511-L6205N	L6205N	SO-24	DMOS driver for bipolar stepper motor	52	5/10	1	----/----	-40 to +150	11.36	10.22	8.40
◆ 511-L6205PD	L6205PD	PowerSO-20	DMOS full bridge driver	52	---/2.8	1	100/400	-40 to +150	11.87	10.67	9.28
◆ 511-L6206PD	L6206PD	PowerSO-36	DMOS full bridge driver	52	5/10	2	----/----	-40 to +150	12.39	11.29	9.69
◆ 511-L6207PD	L6207PD	PowerSO-36	DMOS dual full bridge driver with PWM	52	---/2.8	2	100/400	-40 to +150	12.61	11.51	9.85
◆ 511-L6208PD	L6208PD	PowerSO-36	DMOS driver for bipolar stepper motor	52	---/2800	2	----/----	-40 to +150	15.96	14.44	12.13
◆ 511-L6208Q	L6208Q	QFN-48	Stepper motor controller driver	52	---/5600	1	500	-40 to +150	6.90	5.63	5.06
◆ 511-E-L6219	L6219	PWRDIP-20+2+2	Stepper motor driver	46	8/15	1	----/----	-55 to +150	3.54	3.16	2.59
◆ 511-E-L6219DS013TR	E-L6219DS013TR	SO-24	Stepper motor driver	10 to 46	8/15	4	----/----	-20 to +85	4.13	3.68	2.85
◆ 511-L6208N	L6208N	PDIP-24	DMOS driver for bipolar stepper motor	8 to 52	10/----	1	500/----	-40 to +150	12.30	11.19	9.52
◆ 511-L6225DTR	L6225DTR	SO-20	DMOS dual full bridge driver	8 to 52	---/1.4	2	----/----	-40 to +150	8.07	6.47	5.22
◆ 511-L6230PD	L6230PD	PowerSO-36	DMOS driver for 3-phase brushless DC motor	8 to 52	---/1.4	1	----/----	-40 to +150	10.52	9.52	8.00
◆ 511-L6230QTR	L6230QTR	VQFPFN-32	DMOS driver for 3-phase brushless DC motor	8 to 52	---/1.4	1	----/----	-40 to +150	5.59	5.05	4.25
◆ 511-L6234PD	L6234PD	PowerSO-20	Triple half bridge for motor driver	52	---/6.5	3	----/----	-40 to +150	9.98	9.02	7.56
◆ 511-L6235PD	L6235PD	PowerSO-36	DMOS driver for three-phase brushless DC motor	52	5/10	1	----/----	-40 to +150	11.14	10.16	8.71
◆ 511-L6235Q	L6235Q	QFN-48	DMOS driver for 3-phase brushless DC motor	8 to 52	2500/5600	1	500/----	-40 to +150	7.10	5.82	5.25
◆ 511-L6385ED013TR	L6385ED013TR	SO-8	High-voltage high and low side driver	17	---/400	1	110/150	-45 to +125	1.80	1.68	1.41
◆ 511-L6386ADTR	L6386ADTR	SO-14	High-voltage high and low side driver	17	---/400	1	110/150	-45 to +125	2.85	2.42	1.97
◆ 511-L6391D	L6391D	SO-14	High-voltage high and low side driver	12.5 to 20	0.1/0.15	1	120/200	-40 to +125	2.97	2.76	2.33
◆ 511-L6398DTR	L6398DTR	SO-8	High-voltage high and low side driver	10 to 20	0.38/0.44	1	125/200	-40 to +125	2.57	2.23	1.84
◆ 511-L6470H	L6470H	HTSSOP-28	Microstepping motor driver w/motion engine & SPI	8 to 45	0.5/0.65	2	----/----	-25 to +150	9.16	8.35	7.16
◆ 511-L6472H	L6472H	HTSSOP-28	Microstepping motor driver	8 to 45	0.5/0.65	2	----/----	-25 to +150	9.95	8.96	7.36
◆ 511-L6472PD	L6472PD	SO-36	Microstepping motor driver	8 to 45	0.5/0.65	2	----/----	-25 to +150	12.72	11.35	10.45
◆ 511-L6506	L6506	DIP-18	Current controller for stepping motor	4.5 to 7	---/25	1	----/----	-40 to +150	4.08	3.53	3.12
◆ 511-L6520TR	L6520TR	SO-8	Highly integrated ballast controller for TL and CFL	10.5 to 18.5	8/10	1	----/----	-40 to +150	1.53	1.33	1.17
◆ 511-L6521TR	L6521TR	SO-8	Highly integrated ballast controller for TL and CFL	10.5 to 18.5	8/10	1	----/----	-40 to +150	1.53	1.33	1.17
◆ 511-L6563ATR	L6563ATR	SO-14	Advanced transition-mode PFC controller	10.3 to 22	----	----	----/----	-25 to +150	1.45	1.37	1.23
◆ 511-L6747ATR	L6747ATR	VDFPN-8	High current MOSFET driver	5 to 12	---/2	2	25/35	0 to +125	1.79	1.60	1.32
◆ 511-L6747CTR	L6747CTR	VDFPN-8	High current MOSFET driver	5 to 12	---/2	2	25/35	0 to +125	1.54	1.32	1.08
◆ 511-E-L9637D	E-L9637D	SO-8	Monolithic IC bus driver ISO 9141 interface	36	0.1/0.5	1	----/----	-40 to +150	2.24	1.97	1.63
◆ 511-E-L9825TR	E-L9825TR	PowerSO-20	Octal low-side driver for resistive & inductive loads	----	---/5	8	----/----	-40 to +150	7.09	6.42	5.27
◆ 511-E-L9826TR	E-L9826TR	SO-20	Octal low-side driver for resistive & inductive loads	-0.3 to 7	---/0.1	8	---/100	-65 to +150	5.17	4.63	3.74
◆ 511-L9942XP1TR	L9942XP1TR	PowerSSO-24	Stepper motor controller driver	-0.3 to 28	---/20	1	50/250	-40 to +150	7.74	6.85	5.10
◆ 511-L9848	L9848	SO-28	Octal low-high side configurable driver	-0.3 to 7	---/350	8	100/200	-40 to +150	6.38	5.73	4.68
◆ 511-L9958	L9958	SO-20	Low RDSON SPI controlled H-Bridge	40	---/20	2	40	-55 to +150	9.29	8.36	6.49
◆ 511-L9958SBTR	L9958SBTR	SO-16	Low RDSON SPI controlled H-Bridge	40	---/20	2	40	-55 to +150	9.29	8.36	6.49
◆ 511-L9958XP	L9958XP	SSO-24	Low RDSON SPI controlled H-Bridge	40	---/20	2	40	-55 to +150	7.50	6.66	5.55
◆ 511-TDE1798DP	TDE1798DP	DIP-8	Intelligent switch driver	50	6.5/8	1	----/----	-25 to +85	4.29	4.17	3.89
◆ 511-TD310IDT	TD310IDT	SO-16	Triple IGBT/MOS driver w/current sense	18	1.5/2	3	200/400	-40 to +125	2.53	2.29	1.84
◆ 511-ETE3718DP	E-TEA3718DP	PWRDIP-12+2+2	Bipolar stepper motor driver	7 to 50	---/25	1	----/----	0 to +70	2.41	2.20	1.80
◆ 511-VNL5050N3TR-E	VNL5050N3TR-E	SOT-223	OMNIFET II Low Side Driver SOT-223	5.5	0.1/0.25	1	----/----	-40 to +150	1.78	1.59	1.26