

MAXIM INTEGRATED Laser and LED Drivers



Opto Drivers

Maxim Integrated

LED DISPLAY DRIVERS

◆ Surface Mount Device

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Maxim Integrated Part No.	Package	Digits or Characters	Output Format	Display Type	Interface	Fonts	Segment Blinking	Supply Voltage (Min./Max.)(V)	Price Each		
										1	25	100
◆ 700-MAX6954AAX	MAX6954AAX+	SSOP-36	-	7/14/16-Seg	Comm Cath	Serial SPI	ASCII/Hex	Yes	2.7/5.5	18.35	14.37	13.93
◆ 700-ICM7217BIPI	ICM7217BIPI+	PDIP-28	4-Digit	7-Seg	Common Anode	-	Code B	No	4.5/6	10.33	9.85	9.37
◆ 700-ICM7212AMIPL	ICM7212AMIPL+	PDIP-40W	4-Digit	7-Seg	Static	Micro	Code B	No	3/6	6.08	4.77	4.52
◆ 700-MAX6958BAEE	MAX6958BAEE+	QSOP-16	4-Digit	7-Seg + 2 ann	Common Cathode	Serial SPI	Hex	No	3/5.5	7.27	5.69	5.40
◆ 700-ICM7218AIP+	ICM7218AIP+	PDIP-40W	8-Digit	7-Seg+DP	Comm Anode	Micro	Code B/Hex	No	4/6	9.54	8.29	7.24
◆ 700-MAX7219CNG	MAX7219CNG+	PDIP-24	8-Digit	7-Seg+DP	Comm Cath	Serial 3-Wire	Code B	No	4.0/5.5	9.07	7.15	6.24
◆ 700-MAX7219CWG	MAX7219CWG+	SOIC-24W	8-Digit	7-Seg+DP	Comm Cath	Serial 3-Wire	Code B	-	4.0/5.5	8.88	6.95	6.11
◆ 700-MAX7219CWGT	MAX7219CWGT	SOICW-24	8-Digit	7 Seg+DP	Common Cathode	Serial 3-Wire	Code B	-	4/5.5	12.11	9.13	7.99
◆ 700-MAX7219ENG	MAX7219ENG+	PDIP-24	8-Digit	7-Seg+DP	Comm Cath	Serial 3-Wire	Code B	-	4.0/5.5	10.06	7.94	6.93
◆ 700-MAX6951CEE	MAX6951CEE+	QSOP-16	8-Digit	7-Seg+DP	Comm Cath	Serial SPI	Hexadecimal	Yes	2.7/5.5	9.48	7.48	6.53
◆ 700-MAX6951EEE	MAX6951EEE+	QSOP-16	8-Digit	7-Seg+DP	Comm Cath	Serial SPI	Hexadecimal	Yes	2.7/5.5	9.72	8.45	7.38
◆ 700-MAX7221CNG	MAX7221CNG+	PDIP-24	8-Digit	7-Seg+DP	Comm Cath	Serial SPI	Code B	-	4.0/5.5	9.27	7.31	6.38
◆ 700-MAX7221CWG	MAX7221CWG+	SOIC-24W	8-Digit	7-Seg+DP	Comm Cath	Serial SPI	Code B	-	4.0/5.5	9.14	7.15	6.29
◆ 700-MAX7221EWG	MAX7221EWG+	SOIC-24W	8-Digit	7-Seg+DP	Comm Cath	Serial SPI	Code B	-	4.0/5.5	10.49	9.07	7.97
◆ 700-MAX6955AAX	MAX6955AAX+	SSOP-36	8/16-Digit	7/14/16-Seg	Comm Cath	Serial 2-Wire	ASCII/Hex	Yes	2.7/5.5	14.45	12.48	10.97
◆ 700-MAX6965ATE	MAX6965ATE+	TQFN-16	9-Digit	Any Digit Type	Common Anode	Serial 2-Wire	-	Yes	2/3.6	3.44	2.69	2.55
◆ 700-MAX6966AEE	MAX6966AEE+	QSOP-16	10-Digit	Any Digit Type	Common Anode	Serial 2-Wire	-	No	2.25/3.6	3.88	3.04	2.88
◆ 700-MAX6966ATE	MAX6966ATE+	TQFN-16	10-Digit	Any Digit Type	Common Anode	Serial 2-Wire	-	No	2.25/3.6	3.88	3.04	2.88
◆ 700-MAX6971AUG	MAX6971AUG+	TSSOP-24	16-Digit	Any Digit Type	Common Anode	Serial 4-Wire	-	No	3/5.5	4.25	3.33	3.15
◆ 700-MAX6969AWG	MAX6969AWG+	SOIC-24W	16-Digit	Any Digit Type	Comm Anode	Serial 4-Wire	-	No	3.0/5.5	3.77	2.94	2.79
◆ 700-MAX6969AUG	MAX6969AUG+	TSSOP-24	16-Digit	Any Digit Type	Common Anode	Serial 4-Wire	-	No	3/5.5	3.77	2.95	2.79
◆ 700-MAX6971ANG	MAX6971ANG+	NPDIP-24	16-Digit	Any Digit Type	Common Anode	Serial 4-Wire	-	No	3/5.5	4.25	3.33	3.15
◆ 700-MAX6954ATL	MAX6954ATL+	TQFN-EP-40	16-Digit	7-Seg	Common Cathode	Serial SPI	ASCII/Hex	Yes	2.7/5.5	20.38	15.96	15.16
◆ 700-MAX6964AEG	MAX6964AEG+	QSOP-24	17-Digit	Any Digit Type	Common Anode	Serial 2-Wire	-	Yes	2/3.6	3.70	2.90	2.74
◆ 700-MAX6964ATG	MAX6964ATG+	TQFN-24	17-Digit	Any Digit Type	Common Anode	Serial 2-Wire	-	Yes	2/3.6	4.75	3.72	3.52
◆ 700-MAX6956AAI	MAX6956AAI+	SSOP-28	28-Digit	Any Digit Type	Comm Anode	Serial 2-Wire	-	-	2.7/5.5	6.44	5.03	4.41
◆ 700-MAX6957AAI	MAX6957AAI+	SSOP-28	28-Digit	Any Digit Type	Comm Anode	Serial 2-Wire	-	-	2.7/5.5	7.24	5.65	4.97
◆ 700-MAX6956ATL	MAX6956ATL+	QFN-EP-40	28-Digit	Any Digit Type	Common Anode	Serial SPI	-	-	2.5/5.5	8.38	6.57	6.24

8X8 MATRIX COLOR LED DISPLAY DRIVERS

◆ Surface Mount Device

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MOUSER STOCK NO.	Maxim Integrated Part No.	Package	Display Type	Intensity Control	Interface	Shutdown Supply Current (A) (typ.)	Operating Supply Current (A) (typ.)	Supply Voltage (V)	Temperature Range (°C)	Price Each		
										1	25	100
◆ 700-MAX6960AMHD	MAX6960AMH+D	MQFP-44	RGY, RGB, Monocolor	2 or 4 Step	3-wire, 4 wire	250	7.5	2.7-3.6	-40 to 125	18.21	14.26	13.54
◆ 700-MAX6960ATH	MAX6960ATH+	TQFN-EP-44	RGY, RGB, Monocolor	2 or 4 Step	3-wire, 4 wire	250	7.5	2.7-3.6	-40 to 125	13.46	10.54	10.01
◆ 700-MAX6962ATH	MAX6962ATH+	TQFN-EP-44	RGY, RGB, Monocolor	2 or 4 Step	3-wire, 4 wire	250	7.5	2.7-3.6	-40 to 125	11.97	9.30	8.83

LED DRIVERS

◆ Surface Mount Device

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Maxim Integrated Part No.	Package	LED Type	Driver Type	Device Vin (Min./Max.)(V)	LED Chan.	I _{led} Per Channel (Max.) (A)	LED String Voltage (Max.)(V)	Dimming Type	Price Each		
										1	25	100
◆ 700-MAX16840ATB+T	MAX16840ATB+T	TDFN-EP-10	High Brightness	Boost/SEPIC, Buck-Boost	6.5/40	1	1	48	Analog	3.49	2.65	2.41
◆ 700-MAX16833BAUE+	MAX16833BAUE+	TSSOP-EP-16	High Brightness	Boost, SEPIC, Boost-Buck	65/5	1	10	65	PWM, Serial Pulse	6.56	4.54	3.03
◆ 700-MAX6970AUE+	MAX6970AUE+	TSSOP-EP-16	Universal	-	3/5.5	8	0.055	36	PWM	3.88	3.04	2.88
◆ 700-MAX6946ATE	MAX6946ATE+	TQFN-EP-16	Universal	-	2.25/3.6	10	0.02	-	PWM	3.82	2.99	2.84
◆ 700-MAX16821BATI	MAX16821BATI+	TQFN-EP-28	Universal	Boost, SEPIC, Boost-Buck	4.75/28	1	30	30	PWM	7.47	5.26	3.57
◆ 700-MAX16821CATI	MAX16821CATI+	TQFN-EP-28	Universal	Boost, SEPIC, Boost-Buck	4.75/28	1	30	100	PWM	7.74	5.36	3.57
◆ 700-MAX16814AUP+	MAX16814AUP+	TSSOP-EP-20	Universal	Boost, SEPIC, Boost-Buck	4.75/40	4	0.15	-	PWM	3.77	2.89	1.93
◆ 700-MAX16834ATP	MAX16834ATP+	TQFN-EP-20	Universal	Boost, SEPIC, Boost-Buck, Flyback	4.75/28	1	10	250	PWM	6.36	4.47	3.04
◆ 700-MAX16802AEUA	MAX16802AEUA+	μMAX-8	Universal	Boost/SEPIC	10.8/24	1	3	250	PWM	2.96	1.57	1.37
◆ 700-MAX16802BEUA	MAX16802BEUA+	μMAX-8	Universal	Boost/SEPIC	10.8/24	1	3	250	PWM	2.67	2.05	1.37
◆ 700-MAX16818ATI	MAX16818ATI+	TQFN-28	Universal	Boost/SEPIC	7/28	1	30	100	PWM	7.04	4.87	3.25
◆ 700-MAX16818ETI	MAX16818ETI+	TQFN-28	Universal	Boost/SEPIC	7/28	1	30	100	PWM	7.04	4.87	3.25
◆ 700-MAX16819ATT	MAX16819ATT+T	TDFN-EP-6	Universal	Buck	4.5/28	1	3	26	PWM	2.03	1.53	1.33
◆ 700-MAX16820ATTT	MAX16820ATTT+T	TDFN-EP-6	Universal	Buck	4.5/28	1	3	26	PWM	2.03	1.53	1.33
◆ 700-MAX16822AASA	MAX16822AASA+	SO-8	Universal	Buck	6.5/65	1	0.35	63	PWM	2.73	1.47	1.42
◆ 700-MAX16832AASA	MAX16832AASA+	SO-8	Universal	Buck	6.5/65	1	0.7	63	PWM	1.89	1.79	1.55
◆ 700-MAX16832CASA	MAX16832CASA+	SO-EP-8	Universal	Buck	6.5/65	1	0.7	63	PWM	5.23	4.03	2.68
◆ 700-MAX6974ATL	MAX6974ATL+	TQFN-40	Universal	Current	3.0/3.6	24	0.03	-	PWM	17.37	15.11	13.18
◆ 700-MAX6975ATL	MAX6975ATL+	TQFN-40	Universal	Current	3.0/3.6	24	0.03	-	PWM	19.29	15.11	14.24
◆ 700-MAX16803ATE+	MAX16803ATE+	TQFN-16	Universal	Linear	6.5/40	1	0.35	38.6	PWM	6.38	4.90	3.27
◆ 700-MAX16805ATP	MAX16805ATP+	TQFN-20	Universal	Linear	6.5/40	1	0.35	38.6	PWM	5.96	4.13	2.75
◆ 700-MAX16836ATE	MAX16836ATE+	TQFN-EP-16	Universal	Linear	6.5/40	1	0.35	38.6	PWM	3.35	2.36	1.60
◆ 700-MAX16839ASA	MAX16839ASA+	TDFN-EP-6	Universal	Linear	5/40	1	0.1	39.1	PWM	2.11	1.46	.97
◆ 700-MAX16823AUE	MAX16823AUE+	TSSOP-16	Universal	Linear	5.5/40	3	0.1	39.1	PWM	4.11	3.04	2.19
◆ 700-MAX8647ETE	MAX8647ETE+	TQFN-16	White	Charge Pump	2.7/5.5	6	0.024	-	I2C Serial	4.97	3.75	3.28
◆ 700-MAX8648ETE	MAX8648ETE+	TQFN-16	White	Charge Pump	2.7/5.5	6	0.024	-	Serial Pulse	4.32	3.26	2.27
◆ 700-MAX1698EUB	MAX1698EUB+	μMAX-10	White	Inductor	2.7/5.5	50	0.35	-	Analog	3.33	2.46	1.77

LCD BACKLIGHT LED DRIVERS

◆ Surface Mount Device

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Maxim Integrated Part No.	Package	Topology	Max. No. of LEDs	Configuration	Dimming Control	P _{OUT} (W)	I _{LED} Max. (mA)	V _{IN} Max./Min. (V)	Price Each		
										1	25	100
◆ 700-MAX1570ETE	MAX1570ETE+	TQFN-16	Charge Pump	5	Parallel	Analog, PWM	0.7	30	2.7/5.5	4.51	3.01	2.41
◆ 700-MAX8901AETAT	MAX8901AETAT+T	TDFN-EP-8	Inductor Based	6	Series	PWM, Serial Pulse	0.6	25	2.6/5.5	3.19	2.40	2.10
◆ 700-MAX8901BETAT	MAX8901BETAT+T	TDFN-EP-8	Inductor Based	6	Series	PWM, Serial Pulse	0.6	25	2.6/5.5	3.18	2.40	2.10
◆ 700-MAX8831EWET	MAX8831EWET+	WLP-16	Inductor Based	45	Series-Parallel	Digital, I2C Serial	5	25	2.7/5.5	3.59	2.71	2.37
◆ 700-MAX1698AEB	MAX1698AEB+	10μMAX	Inductor Based	50	Series-Parallel	Analog	5	350	2.7/5.5	3.33	2.46	1.77