

LED Current	LED Voltage	Output Ports	Op Voltage	Topology	Package	Dimming	Comms	MPN	Supplier
1A +	Vcc - 2V	1	7 - 40V	Buck with ext'l FET	SOP-14	PWM	NO	PR4101A	Prema
1A +	Vcc - 2V	1	7 - 40V	Buck with ext'l FET	SOP-8	NO	NO	PR4101B	Prema
1A +	Vcc - 2V	1	7 - 21V	Buck with ext'l FET	SOT-23	NO	NO	PR4103	Prema
0.04A	Vcc - 4V	1	8 - 23V	Buck with int'l FET	SOP-8	PWM	NO	PR4102	Prema
0.01A	Vcc	10	3.3 - 5.5	Constant current source	SSOP-20	PWM & Analogue	3 wire	PR4010	Prema
0.03A	Vcc	4	1.8 - 5.5V	Ext I _{LED} Limit	SSOP-14 or FFP12	Int'l PWM	I ² C	NJU6062	NJR
0.3A - 0.7A	Vcc - 2.4V	1	5.5 - 36V	Buck int'l circuit	5 pin block	PWM	NO	KC24AH-XXX	Mornsun
Step Up Converters									
0.2A	5V +	1	0.9 - 1.9V	Boost with int'l FET	SOT-23 or COB	NO	NO	PR4401	Prema
0.25A	5V +	1	0.9 - 1.9V	Boost with int'l FET	SOT-23 or COB	NO	NO	PR4402	Prema
0.25A	5V +	1	0.9 - 1.9V	Boost with int'l FET	SO8	Enable	NO	PR4403	Prema
0.3A	<16V	1	0.9 - 5V	Boost with int'l FET	SO9	PWM	NO	PR4404	Prema
0.02A	<22V	1	2.8 - 5.5V	Boost with int'l FET	TS6	PWM & Analogue	NO	KIB3401F	KEC
0.02A	<40V	1	2.8 - 5.5V	Boost with int'l FET	TS6	PWM & Analogue	NO	KAB3405T	KEC
0.3	<38V	6	7.5 - 22V	Boost with int'l FET	UQFN-24	PWM	NO	KIB3408QU	KEC
0.3	<38V	4	7.5 - 22V	Boost with int'l FET	TSSOP-20	PWM	NO	KIB3406FT	KEC
Charge Pump Converters									
0.3A	<4V	4	2.7 - 5.5V	Constant current	QFN-16	PWM & Analogue	NO	KAC3301QN	KEC
0.3A	<4V	6	2.7 - 5.5V	Constant current	TQFN-16	Int'l PWM	I ² C	KAC3302QN	KEC
0.7A	<4V	1	2.7 - 5.5V	Constant current	TDFN-8	PWM	NO	KAC3305DN	KEC

Notes

The number of LEDs each port can drive is the LED voltage divided by the LED V_f. The number of ports gives the number of LED strings. More than one string of LEDs maybe taken from a single port as long as the total LED current does not exceed the specification.

PCB Mount LED Drivers (Under Development)

Step Down Converters

<u>LED Current</u>	<u>LED Voltage</u>	<u>Output Ports</u>	<u>Op Voltage</u>	<u>Topology</u>	<u>Package</u>	<u>Dimming</u>	<u>Comms</u>	<u>MPN</u>	<u>Supplier</u>
1.0 - 1.5A	V _{cc} - 2.4V	1	5.5 - 36V	Buck Buck int'l circuit	5 pin block	PWM	NO	KIB325XT KC24RN/RT-XXX	KEC Mornsun

Step Up Converters

0.12A	<30V	4	6 - 35V	Boost with int'l FET	QFN24 or SSOP32	PWM	NO	NJW4600	NJR
0.1A	<5V	1	2.5 - 5.5V	Constant current	SOT-23 or ESON1616	PWM	NO	NJW6080	NJR
0.1A	<30V	1	2.5 - 5.5V	Constant current	SOT-23 or ESON1616	PWM	NO	NJW4615	NJR

Charge Pump Converters

Notes

The number of LEDs each port can drive is the LED voltage divided by the LED V_f . The number of ports gives the number of LED strings. More than one string of LEDs maybe taken from a single port as long as the total LED current does not exceed the specification.