

BRUSHED DC SOLENOID DRIVERS | MOTOR DRIVERS

<i>Part Number</i>	<i>V_{IN} (Min) (V)</i>	<i>V_{IN} (Max) (V)</i>	<i># of Half-Bridges</i>	<i>Output Current (Max) (A)</i>	<i>Control Interface</i>	<i>Package</i>	<i>Notes</i>
MP6508	2.7	18	4	1.2	PWM	TSSOP-16 EP QFN16 (4x4)	Bipolar Stepper
MP6513L	2.5	5.5	2	0.6	PWM	TSOT23-6	H-Bridge
MP6513	2.5	21	2	0.8	PWM	TSOT23-6	H-Bridge
MP8049S	5	26	4	5.5	PWM	QFN40 (5x5)	Dual Full-Bridge Driver
MP6507	2.7	15	4	0.7	PWM	TSSOP-16 EP QFN16 (3x3) QFN16 (4x4)	Bipolar Stepper
MP8046	7.5	28	2	5	PWM	TSSOP20F	Full-Bridge Driver, Exposed Pad
MP8044	7.5	22	2	5	PWM	TSSOP20F	Full-Bridge Driver, Exposed Pad
MP8042	7.5	24	2	5	PWM	TSSOP20F	Full-Bridge Driver, Exposed Pad
MP8040	7.5	24	1	9	PWM	SOIC8EP	Integrated Half-Bridge

BRUSHLESS DC PRE-DRIVERS

<i>Part Number</i>	<i>Supply (Min) (V)</i>	<i>Supply (Max) (V)</i>	<i>V_{SW} (Max) (V)</i>	<i># of Half-Bridges</i>	<i>Sink / Source Current (A)</i>	<i>Hall Input</i>	<i>Package</i>	<i>Notes</i>
MP6535	5	55	55	3	1 / 0.8	Yes	QFN40 (5x5)	3-Phase BLDC, Buck Regulator
MP6534	5	55	55	3	1 / 0.8	No	QFN41 (5x5)	3-Phase BLDC, Buck Regulator
MP6528	5	60		2	1 / 0.8		QFN28 (4x4)	H-Bridge
MP6532	5	60	60	3	1 / 0.8	Yes	QFN28 (4x4) TSSOP-28 EP	3-Phase BLDC
MP6530	5	60	60	3	1 / 0.8	No	QFN28 (4x4) TSSOP-28 EP	3-Phase BLDC

BRUSHLESS DC PRE-DRIVERS | MOTOR DRIVERS

Part Number	Supply (Min) (V)	Supply (Max) (V)	VSW (Max) (V)	# of Half-Bridges	Sink / Source Current (A)	Hall Input	Package	Notes
MP1921A	9	18	100	1	2.5 / 1.5	No	SOIC8EP QFN8 (3x3) QFN9 (3x3) QFN10 (4x4)	High Frequency Half-Bridge Gate Driver
MP1924A	8	15	100	1	4.5 / 2.6		QFN10 (4x4) SOIC8	High Frequency Half-Bridge Gate Driver, Lower VDD Threshold

STEPPER MOTOR DRIVERS

Part Number	VIN (Min) (V)	VIN (Max) (V)	Output Current (Max) (A)	Step Mode	Control Interface	Package	Notes
MP6509	2.7	18	1.2	(1) (1/2)	Parallel	TSSOP-20 EP	Bipolar, Current Attenuation
MP6508	2.7	18	1.2	(1) (1/2)	Parallel	TSSOP-16 EP QFN16 (4x4)	Bipolar Stepper
MP6501A	8.5	35	2.5	(1) (1/2) (1/4) (1/8)	Indexer	TSSOP-28 EP	Bipolar Stepper
MP6518	8.5	35	1.5	(1) (1/2) (1/4) (1/8)	Indexer	TSSOP-28 EP	Bipolar Stepper
MP6507	2.7	15	0.7	(1) (1/2)	Parallel	TSSOP-16 EP QFN16 (3x3) QFN16 (4x4) TSSOP16	700 mA Bipolar Stepper

INTEGRATED BLDC MOTOR DRIVERS

Part Number	VIN (Min) (V)	VIN (Max) (V)	# of Half-Bridges	Output Current (Max) (A)	Hall Input	Package	Notes
MP6536	5	26	3	5.5	No	QFN16 (5x5)	3-Channel Half-Bridge Driver
MP6505	4.5	16	2	0.4	Yes	QFN16 (3x3) TSSOP-16 EP	Single-Phase Brushless DC
MP6510	4.5	16	2	1.2	Yes	SOIC8EP QFN8 (3x3) QFN9 (3x3)	Single-Phase Brushless DC