2019 MST Product Summary_V04

Operation type	Part Number	Voltage range	Bop/Brp Typ	OD	OC	TP	Pull up	Reverse	Micro Power	K	E	NOTES
Latch	MH163	3.5V~20V	+/- 30	V				V		V	V	SO N/S SAME SIP3
Latch	MH173	2.5V~24V	+/- 30				V	V		V	V	SO N/S SAME SIP3
Latch	MH178	2.5V~6.0V	+/- 30	V					V		V	20 Hz/ 10uA
Latch	MH179	2.5V~6.0V	+/- 30	V					V		V	2K Hz/ 350uA
Latch	MH180	2.5V~24V	+/- 50	V				V		V	V	DMOS
Latch	MH181	3.5V~20V	+/- 70		V			V		V	V	Bipolar
Latch	MH182	3.0V~24V	+/- 40	V						V	V	DMOS
Latch	MH185	2.5V~24V	+/- 30	V				V		V	V	SO N/S SAME SIP3
Latch	MH186	2.5V~24V	+/- 30	V				V		V	V	DMOS
Latch	MH187	2.5V~24V	+/- 40	V				V		V	V	DMOS
Latch	MH188	2.5V~25V	+/- 15	V				V		V	V	DMOS
Latch	MH189	2.5V~24V	+/- 15	V						V	V	AECQ, CMOS
Latch	MH190	4.0V~30V	+/- 70		V			V		V	V	High V bipolar
Latch	MH191	4.0V~30V	-/+ 70		V			V		V	V	Reverse output Logic
Latch	MH192	1.8V~6.0V	+/- 30	V				V		V	V	DMOS
Latch	MH193	2.5V~24V	+/- 15				V	V		V	V	UA only
Latch	MH41F	4.0V~30V	+/- 70		V			V		V	V	High ESD
Latch	MH195	4.0V~30V	+/- 90		V			V		V	V	AECQ Bipolar

MST Package

Sot23(SO)
2.9*1.6*1.1

Sot23-5L(SH)
2.9*1.6*1.1

Micro(SP)
2.92*1.3*1.0

Tsot23(ST)
2.9*1.6*0.8

Sot553(SN)
1.6*1.2*0.6

Sot89-5L(SF)
4.5*2.5*1.5

Operation type	Part Number	Voltage range	BopS/N Typ	OD	OC	TP	Pull up	Reverse	Micro Power	K	E	NOTES
Omni-SW	MH248	2.5V~6.0V	+/- 30	V					V		V	BH 10
Omni-SW	MH248R	2.5V~6.0V	+/- 30	V					V		V	output inverted
Omni-SW	MH248-β	2.5V~6.0V	+/- 40	V					V		V	Low Sensitivity
Omni-SW	MH251	1.65V~6.0V	+/- 30			V			V		V	BH 10
Omni-SW	MH251-β	1.65V~6.0V	+/- 40			V			V		V	Low Sensitivity
Dual-SW	MH252	1.65V~6.0V	+/- 30			V			V		V	Dual output
Uni-Polar	MH254	1.65V~6.0V	+ 30			V			V		V	BH 10
Omni-SW	MH255	1.65V~6.0V	+/- 30			V			V		V	BH 10
Omni-SW	MH255-β	1.65V~6.0V	+/- 40			V			V		V	Low Sensitivity
Uni-Polar	MH257	1.65V~6.0V	+ 30			V			V		V	BH 10
Omni-SW	MH258	1.65V~6.0V	+/- 30	V					V		V	BH 10
Omni-SW	MH258-β	1.65V~6.0V	+/- 40	V					V		V	Low Sensitivity
Omni-SW	MH260	1.65V~6.0V	+/- 30			V			V		V	BH 10, DFN 1*1
Omni-SW	MH261	1.65V~6.0V	+/- 30	V					V		V	BH 10, DFN 1*1
Omni-SW	MH262	1.65V~6.0V	+/- 20			V			V		V	Ultra High Sensitivity

MST Package

DFN1.0*1.0-4L(SS)
1.0*1.0*0.4

DFN1.6*1.6-6L(SM)
1.6*1.6*0.4

DFN2.0*2.0-6L(SD)
2.0*2.0*0.75

DFN2.0*2.0-3L(SQ)
2.0*2.0*0.53

SOT-23L(SL)
2.92*1.6*1.1

Operation type	Part Number	Voltage range	BopS/N Typ	OD	OC	TP	Pull up	Reverse	Micro Power	K	E	NOTES
Omni-SW	MH253	2.5V~6.0V	+/- 30	V						V	V	3K Hz, BH 10
Omni-SW	MH253C	2.5V~6.0V	+/- 30			V				V	V	3K Hz, BH 10
Omni-SW	MH256	1.65V~6.0V	+/- 30			V			V	V	V	2K Hz, BH 10
Omni-SW	MH259	1.65V~6.0V	+/- 30	V					V	V	V	2K Hz, BH 10
Omni-SW	MH271	2.5V~26V	+/- 80	V						V	V	BH 20
Omni-SW	MH273	2.5V~26V	+/- 80				V			V	V	BH 20, 10K ohm

MST Package

To92s-3L(UA)
4.0*3.0*1.52

To94(VK)
5.22*3.65*1.56

Operation type	Part Number	Voltage range	BOP Typ	OD	OC	TP	Pull up	Reverse	Micro Power	K	E	NOTES
Uni-Polar	MH281	3.0V~24V	175	V				V		V	V	BH 45
Uni-Polar	MH282	3.0V~24V	95	V				V		V	V	BH 20
Uni-Polar	MH283	3.0V~24V	120	V				V		V	V	BH 50
Uni-Polar	MH285	4.0V-30V	80		V			V		V	V	High V bipolar

MST Package

Sot23-6L(SR)
3.0*1.6*1.1

Operation type	Part Number	Voltage range	Sensetivity Typ	trim	non trim	TP	Pull up	Reverse	Micro Power	K	E	SW	AR	FG	RD	PWM	TSD	Short Protect	NOTES
Ratiometric Linear	MH481	3.0V~ 6.5V	1.7~2.2mV/G			V					V								Bipolar
Ratiometric Linear	MH491	2.8V~ 6.0V	A/B/C/D	V	V	V				V	V								1.5/2/2.5/3 Sen
Ratiometric Linear	MH492	2.8V~ 6.0V	A/B	V	V	V				V	V								5/9 Sen
Ratiometric Linear	MH493	2.8V~ 6.0V	A/B/C/D	V	V	V				V	V								4/7/10/13 Sen
Programming Linear	MH482	4.5V~5.5V	0.9~25mV/G			V					V					V			

Operation type	Part Number	Voltage range		OD	OC	TP	Pull up	Reverse	Micro Power	K	E	SW	AR	FG	RD	PWM	TSD	Short Protect	NOTES
2 coil	MH276T	3.5 V~ 20V	+/- 50		V			V			V						V	V	Bipolar
			+/- 70		V			V			V						V	V	Bipolar
			+/- 100		V			V			V						V	V	Bipolar
2 coil	MH277	3.5V~20V	+/- 30	V				V		V	V						V		CMOS
2 coil	MH381	2.5V ~ 20V	+/- 30	V				V		V	V		V	V	V		V		CMOS
2 coil	MH284	2.5V ~ 20V	+/- 30	V				V		V	V		V				V		low Vdd version
2 coil	MH382	4.5V ~ 28V	+/- 30	V				V		V	V		V	V	V		V		CMOS
1 coil	MH477	3.5V ~ 20V	+/- 30			V				V	V						V		CMOS
1 coil	MH361	3.5V ~ 20V	+/- 30			V				V	V		V	V	V		V		12V
1 coil	MH365	1.65V ~ 6.5V	+/- 30			V		V		V	V	V	V	V	V	V	V		5V

Operation type	Part Number	Voltage range	Bop/Brp Typ	OD	OC	TP	Pull up	Reverse	Micro Power	K	E	SW	AR	FG	RD	PWM	TSD	Short Protect	NOTES
Dirction	MH452	2.8V-18V	+/- 15	V						V	V								Dual Channel

Operation type	Part Number	Voltage range	B_{BIAS}	OD	OC	TP	Pull up	Reverse	Micro Power	K	E	SW	AR	FG	RD	PWM	TSD	Short Protect	NOTES
Gear tooth	MH5801	4.0V-24V	100-5000	V						V	V							V	BH 40, 1 Output

Operation type	Part Number	Voltage range	Bpk	OD	256 Line	512 Line	1024 Line	Reverse	Micro Power	K	E	SW	AR	FG	RD	PWM	TSD	Short Protect	NOTES
Encoder	MH5711	3.0V-5.5V	300-3000	V	V	V	V			V	V								10K Hz