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Hall IC Selection Guide

/ Hall IC Auswahlhilfe

	Operation type	Part Number	Voltage range	Output Current	BOP	BRP	BHYS	OD	OC	TP	PIR	SS	MP	STD	PWM	VC	RP	AR	FG	RD	TSD	E	K	Process	Package	Short Protect	Notes
	Latch	A1163	3.5~24V	100mA	+30	-30	60	•									•				•	•	•	CMOS	S3		EW610B,EW413
	Latch	A1171	3.5~24V	80mA	+30(-30)	-30(+30)	60	•														•	•	CMOS	I3/(S3)		FS177,AH177,US1881
	Latch	A1173	2.5~26V	25mA	+30	-30	60				•											•	•	DMOS	S3		EW432,EW632
3Q	Latch	A1175	1.8~6.0V	5mA		-15(+15)	30	•									•					•	•	DMOS	I3/(S3)		
2Q	Latch	A1178	2.0~6.0V	5mA	+20(-20)	-20(+20)	40	•					•									•	•	DMOS	I3/(S3)		10Hz
3Q	Latch	A1179	2.0~6.0V	5mA	+20(-20)	-20(+20)	40	•					•									•	•	DMOS	I3/(S3)		2KHz
	Latch	A1180	2.5~24V	25mA	+50(-50)	-50(+50)	100	•									•					•	•	DMOS	I3/(S3)		
	Latch	A1181	2.5~20V	50mA	+50	-50	100		•								•					•	•	Bipolar	I3		A1210
	Latch	A1182	3.0~24V	50mA	+40(-40)	-40(+40)	80	•														•	•	CMOS	I3/(S3)		US2882
	Latch	A1186	2.5~26V	50mA	+30(-30)	-30(+30)	60	•									•					•	•	DMOS	I3/(S3)		AH375
1Q	Latch	A1188	2.5~26V	50mA	+15(-15)	-15(+15)	30	•									•					•	•	DMOS	I3/(S3)/L3/D6/N6		US2881
	Latch	A1189	2.5~26V	50mA	+15(-15)	-15(+15)	30	•														•	•	DMOS	I3/(S3)		ACQ-100
2Q	Latch	A1190	4.5~30V	25mA	+50	-50	100		•								•					•	•	Bipolar	I3/(S3)		FS41,SS41F
	Latch	A1193	2.5~26V	25mA	+15(-15)	-15(+15)	30				•											•	•	DMOS	I3/(S3)		EW732
3Q	Latch	A1195	4.5~30V	25mA	50	-50	100		•								•					•	•	Bipolar	I3		ACQ-100
	Latch	A2163	3.5~24V	100mA	+30	-30	60			•											•	•	•	CMOS	I3/(S3)		EW632

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	Switch	A1253	1.7~6.0V	25mA	±30	±20	10	•														•	•	CMOS	I3/S3		
	Switch	A2254	1.7~5.5V	5mA	-30	-20	10			•			•									•		CMOS	I3/S3		
	Switch	A2255	1.7~5.5V	5mA	±30	±20	10			•			•									•		CMOS	I3/S3		A3212,XC3202B
	Switch	A2256	2.0~5.5V	5mA	±30	±20	10			•			•									•		CMOS	I3/S3		Hi SPEED
	Switch	A2257	1.7~5.5V	5mA	+30	+20	10			•			•									•		CMOS	I3/S3		
	Switch	A1258	1.7~5.5V	10mA	±30	±20	10	•					•									•		CMOS	I3/S3		
	Switch	A1259	2.0~5.5V	10mA	±30	±20	10	•					•									•		CMOS	I3/S3		Hi SPEED
	Switch	A2260	2.0~5.5V	5mA	±30	±20	10			•			•	•								•		CMOS	D6/D4		
	Switch	A1261	2.0~5.5V	10mA	±30	±20	10	•					•	•								•		CMOS	D6/D4		
2Q	Switch	A2262	1.7~5.5V	5mA	±20	±13	7			•			•									•		CMOS	I3/S3		
1Q	Switch	A2263	1.7~6.0V	5mA	±30	±20	10			•												•	•	CMOS	I3/S3		
3Q	Switch	A2264	1.7~5.5V	5mA	-30	-20	10			•			•	•								•		CMOS	D6/D4		
3Q	Switch	A2267	1.7~5.5V	5mA	30	20	10			•			•	•								•		CMOS	D6/D4		
	Unipolar	A1281	2.5~24V	50mA	+175(-175)	+130(-130)	45	•									•					•	•	DMOS	I3/(S3)		US5881,TEL4905
	Unipolar	A1282	2.5~24V	50mA	+85(-85)	+65(-65)	20	•									•					•	•	DMOS	I3/(S3)		
	Unipolar	A1283	2.5~24V	50mA	+120(-120)	+70(-70)	50	•									•					•	•	DMOS	I3/(S3)		
2Q	Unipolar	A1285	2.5~24V	50mA	+25(-25)	+17(-17)	8	•														•	•	DMOS	I3/(S3)		EW460
new	Switch	A1271	2.5~24V	50mA	±85	±65	20	•									•					•	•	DMOS	I3/S3		
1Q	Switch	A1273	2.5~24V	50mA	±85	±65	20				•						•					•	•	DMOS	I3/S3		

	Operation type	Part Number	Voltage range	Output Current	BOP	BRP	BHYS	OD	OC	TP	PIR	SS	MP	STD	PWM	VC	RP	AR	FG	RD	TSD	E	K	Process	Package	Short Protect	Notes
	2 Coil	A2277	3.5~18V	400mA	+25	-25	50	•									•				•	•	•	CMOS	I4		AH276,FS277
	1 Coil	A4477	3.5~20V	400mA	+25	-25	50			•									•		•	•	•	CMOS	I4/L6		AH477A,FS310
new	2 Coil	A2381	2.5~20V	600mA	+25	-25	50	•									•	•			•	•	•	CMOS	I4		AH2984
	2 Coil	A2382	4.5~28V	300mA	+25	-25	50	•									•	•			•	•	•	CMOS	I4		US90
	1 Coil	A4361	3.5~20V	400mA	+25	-25	50			•								•	•		•	•	•	CMOS	I4/L6		FD1257
1Q	1 Coil	A4365	1.8~5.5V	500mA	+20	-20	40			•		•			•	•	•	•	•	•	•	•	•	CMOS	L6/D6/N6		FD0256,AH5795
4Q	1 Coil	A4362	3.0~28V	600mA	+20	-20	40			•		•			•			•	•	•	•	•	•	CMOS	I4/L6/D6		FD1257/FD2257

	Operation type	Part Number	Voltage range	Output Current	Sensitivity	OD	OC	TP	PIR	SS	MP	STD	PWM	VC	RP	AR	FG	RD	TSD	E	K	Process	Package	Short Protect	Notes
	Linear	A2481	3.0~6.0V	10mA	1.8~2.2mV/Gauss			•												•		Bipolar	I3	A/B	ZH49E,SS49E
	Linear	A2491	4.0~6.0V	5mA	1.5mV/Gauss			•												•	•	DMOS	I3/S3	T	A1308,A1309
	Linear	A2492	2.8~6.0V	5mA	2.0mV/Gauss			•												•	•	DMOS	I3/S3	T	A1308,A1309
	Linear	A2493	2.8~6.0V	5mA	2.5mV/Gauss			•												•	•	DMOS	I3/S3	T	A1308,A1309
	Linear	A2494	2.8~6.0V	5mA	3.0mV/Gauss			•												•	•	DMOS	I3/S3	T	A1308,A1309
new	Linear	A2495	2.8~6.0V	5mA	4.0mV/Gauss			•												•	•	DMOS	I3/S3	T	A1308,A1309
new	Linear	A2496	2.8~6.0V	5mA	5.0mV/Gauss			•												•	•	DMOS	I3/S3	T	A1308,A1309
new	Linear	A2497	2.8~6.0V	5mA	7.0mV/Gauss			•												•	•	DMOS	I3/S3	T	A1308,A1309
new	Linear	A2498	2.8~6.0V	5mA	9.0mV/Gauss			•												•	•	DMOS	I3/S3	T	A1308,A1309
new	Linear	A2499	2.8~6.0V	5mA	10mV/Gauss			•												•	•	DMOS	I3/S3	T	A1308,A1309
new	Linear	A249A	2.8~6.0V	5mA	13mV/Gauss			•												•	•	DMOS	I3/S3	T	A1308,A1309
3Q	Linear	A24A1	2.8~6.0V	5mA	1.5/2.0/2.5/3.0 mV/Gauss			•												•	•	DMOS	D6/N6		A1308,A1309
3Q	Linear	A24A2	2.8~6.0V	5mA	3.0/5.0/7.0/9.0 mV/Gauss			•												•	•	DMOS	D6/N6		A1308,A1309
3Q	Linear	A24A3	2.8~6.0V	5mA	4.0/7.0/10/13 mV/Gauss			•												•	•	DMOS	D6/N6		A1308,A1309
4Q	Element	AE101	2.0V	-	274/320/370 mV/500Gauss			•												•	•	InSb	S4/L4	E/F/G	HW101A,NE520
4Q	Element	AE102	2.0V	-	274/320/370 mV/500Gauss			•												•	•	InSb	T4	E/F/G	HW102A,NE522
4Q	Element	AE104	2.0V	-	274/320/370 mV/500Gauss			•												•	•	InSb	H4	E/F/G	HW104A,NE524
4Q	Element	AE108	2.0V	-	274/320/370 mV/500Gauss			•												•	•	InSb	M4/E4	E/F/G	HW108A,NE528,NE525
4Q	Element	AE302	2.0V	-	274/320/370 mV/500Gauss			•												•	•	InSb	Y4	E/F/G	HW302B,NE313

OD: Open Drain output
OC: Open Collector output
TP: TOTEM-POLE output
PIR: Built-in Pull Resistance
MP: Micro Power
STD: Speed up frequency of awake
PWM: PWM control
VC: Voltage control
RP: Reverse Protection
AR: Auto Restart
FG: Frequency Generation
RD: Revolution Detection
TSD: Thermal Shut-Down
E: Vehicle standards
K: Commercial specifications