

# ON SEMICONDUCTOR Power Management

ON Semiconductor®



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Power Management

ON Semiconductor

## IGNITION DRIVER

MOUSER STOCK NO.	ON Semiconductor Part No.	Package	V (BR) CES (Typ.) (V)	VCE (sat) (Typ.) (V)	IC (Max.) (A)	EAS (Typ.) (μJ)	PD (Max.) (W)	Price Each			
								1	10	100	1000
863-NGD8201ANT4G	NGD8201ANT4G	DPAK-4	400	1.3	20	250000	125	1.32	1.06	.817	.57

## LOAD/RELAY DRIVERS

MOUSER STOCK NO.	ON Semiconductor Part No.	Package	V (BR) (V)		IR (Max.) (μA)	VIO (Max.) (V)	ID (Max.) (A)	Price Each			
			Min.	Max.				1	10	100	1000
863-NCV7608DQR2G	NCV7608DQR2G	SSOP-36EP	3.15	5.25	5	7	-	3.52	2.83	2.58	
863-NCV7707DQR2G	NCV7707DQR2G	SSOP-36EP	5.5	28	18	-	-	6.15	4.94	4.51	

## MOSFET/IGBT DRIVERS

MOUSER STOCK NO.	ON Semiconductor Part No.	Package	VCC (V)		Number of Drivers	IO (Max.) (A)	tp (Max.) (ns)	Price Each			
			Min.	Max.				1	10	100	1000
863-NCP5359ADR2G	NCP5359ADR2G	SOIC-8	-0.3	15	2	0.0025	25	.60	.505	.308	.238
863-ADP3110AKRZ-RL	ADP3110AKRZ-RL	SO-8	-0.3	15	2	0.005	70	.65	.487	.306	.23
863-NCP5106BDR2G	NCP5106BDR2G	SOIC-8	-0.3	20	2	0.5	620	1.05	.896	.688	.48
863-NCP5104DR2G	NCP5104DR2G	SOIC-8	-0.3	20	2	0.005	620	1.05	.896	.688	.48
863-ADP3110AKCPZ-RL	ADP3110AKCPZ-RL	DFN-8	4.15	13.2	2	0.005	45	.58	.487	.297	.23
863-NCP5901MNTBG	NCP5901MNTBG	DFN-8	4.5	13.2	2	0.0122	25	.50	.415	.253	.196
863-NCP81071ADR2G	NCP81071ADR2G	SOIC-8	4.5	20	2	0.3	35	1.31	1.12	.86	.60
863-NCV7518MWTXG	NCV7518MWTXG	QFN-32	4.75	5.25	5	0.005	1000	4.19	3.37	3.07	2.09
863-MC33152DG	MC33152DG	SOIC-8	6.5	18	2	1.5	120	1.37	1.16	.898	.626
863-MC34151DG	MC34151DG	SOIC-8	6.5	18	2	1.5	100	1.41	1.20	.926	.646
863-MC34151PG	MC34151PG	PDIP-8	6.5	18	2	1.5	100	1.41	1.20	.925	.646
863-MC34152DG	MC34152DG	SOIC-8	6.5	18	2	1.5	120	1.32	1.13	.87	.607
863-MC34152PG	MC34152PG	PDIP-8	6.5	18	2	1.5	120	1.32	1.13	.87	.607

## MOTOR DRIVERS

MOUSER STOCK NO.	ON Semiconductor Part No.	Package	VM (V)		VCC (V)		ID (Max.) (A)	Control Type	Price Each			
			Min.	Max.	Min.	Max.			1	10	100	1000
863-STK682-010-E	STK682-010-E	SIP-19	-	5	9	32	3	Parallel	9.14	8.26	6.84	
863-LV11961HAAH	LV11961HA-AH	HSSOP-14	-	12	3.6	16	1	PWM	2.76	2.22	1.78	
863-NCV7718BDQR2G	NCV7718BDQR2G	SSOP-24	-	40	3.15	5.25	2	SPI	3.63	2.92	2.66	
863-LV8402GP-TE-L-H	LV8402GP-TE-L-H	VCT-24	1.5	16	2.8	6	1.4	Parallel	3.30	2.65	2.41	
863-LB1836M-TLM-E	LB1836M-TLM-E	MFP-14	1.8	10.5	2.5	10.5	1	Parallel	2.85	2.30	1.84	
863-LB1838M-TRM-E	LB1838M-TRM-E	MFP-14	1.8	10.5	2.5	10.5	1	Parallel	1.91	1.62	1.30	
863-LV8806QA-MH	LV8806QA-MH	UQFN-16	2	6	2	6	0.7	-	1.57	1.26	.971	
863-LB1843V-TLM-E	LB1843V-TLM-E	SSOP-20	2.2	10.5	3	10.5	0.8	Parallel	4.07	3.27	2.98	
863-LV8411GR-TE-L-E	LV8411GR-TE-L-E	VCT-24	2.5	6	2.5	6	0.4	Parallel	4.70	3.78	3.44	
863-LV8413GP-TE-L-H	LV8413GP-TE-L-H	VCT-16	2.5	6	2.5	6	0.4	Parallel	2.48	2.00	1.60	
863-LV8080LP-TE-L-E	LV8080LP-TE-L-E	VCT-16	2.5	6.5	-	-	0.4	Parallel	3.25	2.61	2.38	
863-NCV7708EDWR2G	NCV7708EDWR2G	SOIC-28	3	5.5	5.5	40	0.5	SPI, Parallel	2.91	2.47	2.14	
863-NCV7719DQR2G	NCV7719DQR2G	SSOP-24	3.15	5.25	5.5	28	0.55	SPI, Parallel	4.50	3.82	3.31	
863-LV8400V-TLM-E	LV8400V-TLM-E	SSOP-16	4	16	2.7	6	1.2	Parallel	3.25	2.61	2.38	
863-LV8711T-TLM-H	LV8711T-TLM-H	TSSOP-24	4	18	2.7	6	0.8	None	2.35	2.00	1.60	
863-LV8713T-TLM-H	LV8713T-TLM-H	TSSOP-24	4	18	2.7	6	0.8	Clock	4.26	3.43	3.12	
863-STK672-430AN-E	STK672-430AN-E	SIP-19	4.75	5.25	-	42	2	Parallel	6.25	5.62	4.62	
863-STK672-432AN-E	STK672-432AN-E	SIP-19	4.75	5.25	-	42	2	Parallel	6.25	5.62	4.62	
863-STK672-630AN-E	STK672-630AN-E	SIP-19	4.75	5.25	-	42	2.2	Parallel	6.08	5.17	4.48	
863-STK672-732AN-E	STK672-732AN-E	SIP-19	4.75	5.25	-	42	2.2	Parallel	6.43	5.17	4.71	
863-STK672-432BN-E	STK672-432BN-E	SIP-19	4.75	5.25	-	46	2	Parallel	6.25	5.62	4.62	
863-STK672-630CN-E	STK672-630CN-E	SIP-19	4.75	5.25	-	46	2.2	Parallel	6.43	5.17	4.71	
863-STK672-440BN-E	STK672-440BN-E	SIP-19	4.75	5.25	-	46	3	Parallel	7.13	6.45	5.34	
863-STK681-360-E	STK681-360-E	SIP-19	4.75	5.25	10	30	4.5	Parallel	8.92	8.03	6.60	
863-LV8731V-TLM-H	LV8731V-TLM-H	SSOP-44K	9	36	-	-	2	Clock, Parallel	2.82	2.27	1.82	
863-LV8761V-TLM-E	LV8761V-TLM-E	SSOP-36	9	38	3	6	3	Parallel	4.53	3.64	3.32	
863-LV8741V-TLM-E	LV8741V-TLM-E	SSOP-44	9.5	38	2.7	6	1.5	Clock, Parallel	3.56	2.86	2.61	
863-STK544UC62K-E	STK544UC62K-E	SIP-23	12.5	17.5	-	450	10	Parallel	12.59	11.58	9.78	
863-STK551U3A2A-E	STK551U3A2A-E	SIP-29	12.5	17.5	-	450	20	Parallel	17.63	16.21	13.69	
863-STK554U362A-E	STK554U362A-E	SIP-29	12.5	17.5	-	450	10	Parallel	12.59	11.58	9.78	
863-STK554U362C-E	STK554U362C-E	SIP-29	12.5	17.5	-	450	10	Parallel	12.59	11.58	9.78	
863-STK554U392A-E	STK554U392A-E	SIP-29	12.5	17.5	-	450	15	Parallel	14.48	13.31	11.24	
863-STK5F1U3E2D-E	STK5F1U3E2D-E	DIP-4	12.5	17.5	-	400	50	Parallel	50.11	46.76	40.59	
863-STK5F4U3E2D-E	STK5F4U3E2D-E	DIP-4	12.5	17.5	-	400	50	Parallel	56.09	52.69	47.26	
863-STK57FU391A-E	STK57FU391A-E	SIP-35	13.5	16.5	-	400	15	Parallel	25.08	23.14	19.76	
863-STK534U342C-E	STK534U342C-E	SIP-29	13.5	16.5	-	450	5	Parallel	16.79	15.44	13.04	
863-STK534U362C-E	STK534U362C-E	SIP-29	13.5	16.5	-	450	5	Parallel	15.11	13.89	11.73	
863-STK541UC62K-E	STK541UC62K-E	SIP-23	13.5	16.5	-	450	10	Parallel	16.79	15.44	13.04	
863-STK5Q4U362J-E	STK5Q4U362J-E	SPCM-24	13.5	16.5	-	450	12	Parallel	12.59	11.58	9.78	
863-STK581U3C2D-E	STK581U3C2D-E	SIP-22	13.5	16.5	-	450	30	Parallel	29.19	26.93	22.99	

## RELAY DRIVER

MOUSER STOCK NO.	ON Semiconductor Part No.	Package	No. of Channels	RDS (on) (Typ.) (Ω)	Supply Current (mA)	Quiescent Current (Max.) (μA)	Operating Temperature (°C)	Price Each			
								1	10	100	1000
863-NCV7240DPR2G	NCV7240DPR2G	SSOP-24	8	1.5	5	32	-40 to 150	2.35	2.00	1.60	1.16

## VOLTAGE REFERENCE

MOUSER STOCK NO.	ON Semiconductor Part No.	Package	V(BR) (Typ.) (V)	TA (Min.) (°C)	TA (Max.) (°C)	Toler. (%)	IR Min. (mA)	VF (Max.) (V)	Price Each			
									1	10	100	1000
<b>Fixed</b>												
863-LM285Z-1.2G	LM285Z-1.2G	TO-92	1.235	-40	85	1	0.01	-	.70	.587	.379	.303
863-LM285Z-2.5G	LM285Z-2.5G	TO-92	2.5	-40	85	1.5	0.01	-	.68	.57	.368	.294
863-LM385BZ-2.5G	LM385BZ-2.5G	TO-92	2.5	-40	85	1	0.015	-	.64	.535	.345	.276
863-LM385D-2.5G	LM385D-2.5G	SOIC-8	2.5	0	70	3	0.015	-	.70	.589	.38	.304
863-LM385Z-2.5G	LM385Z-2.5G	TO-92	2.5	0	70	3	0.015	-	.60	.499	.322	.258
863-NCS1002ADR2G	NCS1002ADR2G	SOIC-8	2.5	-40	105	0.08	1	2.5	.50	.382	.207	.155
863-NCP51460SN33T1G	NCP51460SN33T1G	SOT-23-6	3.3	0	100	1	20	30	.85	.713	.46	.368
<b>Adjustable</b>												
863-TL431ACDR2G	TL431ACDR2G	SOIC-8	2.495	0	70	1	1	36	.45	.344	.186	.14
863-TL431ACLPRAG	TL431ACLPRAG	TO-92	2.495	0	70	1	1	36	.39	.299	.162	.121
863-TL431AILPRPG	TL431AILPRPG	TO-92	2.495	-40	85	1	1	36	.42	.355	.217	.167
863-TL431CDR2G	TL431CDR2G	SOIC-8	2.495	0	70	2.2	1	36	.39	.299	.162	.121
863-TL431CLPG	TL431CLPG	TO-92	2.495	0	70	2.2	1	36	.46	.326	.15	.115
863-TL431ACDG	TL431ACDG	SOIC-8	2.495	0	70	1	1	36	.46	.352	.191	.143
863-TL431BIDG	TL431BIDG	SOIC-8	2.495	-40	85	0.4	1	36	.45	.374	.228	.176
863-TL431BVDG	TL431BVDG	SOIC-8	2.495	-40	85	0.4	1	36	.64	.535	.326	.252
863-NCP431ACDR2G	NCP431ACDR2G	SOIC-8	2.5	-40	125	1	-	-	.47	.397	.242	.187
863-NCP431ACLPRAG	NCP431ACLPRAG	TO-92	2.5	-40	125	1	10	-	.53	.397	.25	.187
863-NCP431ACSNT1G	NCP431ACSNT1G	SOT-23	2.5	-40	125	1	10	-	.48	.315	.135	.104