

# TEXAS INSTRUMENTS Power Management ICs

Products may be RoHS compliant. Check mouser.com for RoHS status.

## BATTERY CHARGE MANAGEMENT (CONT.)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Texas Instruments Part No.	Package	Lead Acid	Li-Ion	Li Polymer	NiCd	NiMH	# Series Cells	Integrated FET	Safety Charge Timer	Temperature Monitoring	Price Each			
												1	25	100	250
595-BQ24090DGQT	BQ24090DGQT	MSOP-10	No	Yes	No	No	No	1	No	Yes	No	2.50	2.00	1.60	1.33
595-BQ24091DGQT	BQ24091DGQT	MSOP-10	No	Yes	No	No	No	1	No	Yes	No	2.50	2.00	1.60	1.33
595-BQ24100RHRLR	BQ24100RHRLR	QFN-20	No	Yes	Yes	No	No	1	Yes	No	Yes	4.50	3.60	2.80	2.66
595-BQ24103RHRLR	BQ24103RHRLR	QFN-20	No	Yes	Yes	No	No	1, 2	Yes	No	Yes	4.50	3.60	2.80	2.66
595-BQ24103ARHLR	BQ24103ARHLR	QFN-20	No	Yes	Yes	No	No	1, 2	Yes	No	Yes	4.06	3.60	2.80	2.66
595-BQ24123RHRLT	BQ24123RHRLT	QFN-20	No	Yes	Yes	No	No	1, 2	Yes	Yes	Yes	4.47	3.96	3.08	2.92
595-BQ24702PW	BQ24702PW	TSSOP-24	Yes	Yes	Yes	Yes	Yes	Multiple	No	No	No	5.28	4.23	3.29	3.12
595-UC2906DW	UC2906DW	SOIC-16	Yes	No	No	No	No	-	No	No	No	6.10	4.88	4.11	3.95
595-UC2906N	UC2906N	PDIP-16	Yes	No	No	No	No	-	No	No	No	5.50	4.40	3.71	3.57
595-UC3906DW	UC3906DW	SOIC-16	Yes	No	No	No	No	Multiple	No	No	No	6.10	4.88	4.11	3.95
595-UC3906N	UC3906N	PDIP-16	Yes	No	No	No	No	Multiple	No	No	No	4.95	4.40	3.71	3.57
595-UC3909N	UC3909N	PDIP-20	Yes	No	No	No	No	Multiple	No	No	Yes	6.10	4.88	4.11	3.96
595-BQ2000PN-B5	BQ2000PN-B5	PDIP-8	No	Yes	Yes	Yes	Yes	Multiple	No	Yes	Yes	3.05	2.70	2.10	1.99
595-BQ2000SN-B5	BQ2000SN-B5	SOIC-8	No	Yes	Yes	Yes	Yes	Multiple	No	Yes	Yes	3.70	2.97	2.31	2.18
595-BQ2000TPN-B5	BQ2000TPN-B5	PDIP-8	No	Yes	Yes	Yes	Yes	Multiple	No	Yes	Yes	3.37	2.70	2.10	1.99
595-BQ2000TPW	BQ2000TPW	TSSOP-8	No	Yes	Yes	Yes	Yes	Multiple	No	Yes	Yes	3.70	2.97	2.31	2.18
595-BQ2002SN	BQ2002SN	SOIC-8	No	No	No	Yes	Yes	Multiple	No	Yes	Yes	2.36	1.90	1.41	1.33
595-BQ2002TPN	BQ2002TPN	PDIP-8	No	No	No	Yes	Yes	Multiple	No	Yes	Yes	1.92	1.70	1.27	1.19
595-BQ2002TSN	BQ2002TSN	SOIC-8	No	No	No	Yes	Yes	Multiple	No	Yes	Yes	2.36	1.90	1.41	1.33
595-BQ2004PN	BQ2004PN	PDIP-16	No	No	No	Yes	Yes	Multiple	No	Yes	Yes	4.84	3.87	3.01	2.85
595-BQ2004SN	BQ2004SN	SOIC-16	No	No	No	Yes	Yes	Multiple	No	Yes	Yes	5.40	4.32	3.36	3.19
595-BQ2031PN-A5	BQ2031PN-A5	PDIP-16	Yes	No	No	No	No	Multiple	No	Yes	Yes	5.60	4.48	3.78	3.64
595-BQ2031SN-A5	BQ2031SN-A5	SOIC-16	Yes	No	No	No	No	Multiple	No	Yes	Yes	6.20	4.96	4.18	4.03
595-BQ24022DRCR	BQ24022DRCR	SON-10	No	Yes	Yes	No	No	1	Yes	Yes	No	2.47	1.98	1.48	1.38
595-BQ25010RHRLR	BQ25010RHRLR	QFN-20	No	Yes	No	No	No	1	Yes	Yes	No	3.37	2.70	2.10	1.99
595-BQ25017RHRLT	BQ25017RHRLT	QFN-20	No	Yes	Yes	No	No	1	No	No	No	4.05	3.24	2.52	2.39
595-BQ2954PNE4	BQ2954PNE4	PDIP-16	No	Yes	Yes	No	No	Multiple	No	Yes	Yes	4.50	3.60	2.80	2.66
595-BQ2954SN	BQ2954SN	SOIC-16	No	Yes	Yes	No	No	Multiple	No	Yes	Yes	4.95	3.96	3.08	2.92
595-BQ2406DRCT	BQ2406DRCT	SON-10	No	Yes	Yes	No	No	1	Yes	Yes	Yes	2.24	1.98	1.54	1.46
595-BQ24070RHRLR	BQ24070RHRLR	QFN-20	No	Yes	Yes	No	No	1	Yes	Yes	Yes	3.25	2.88	2.24	2.12
595-BQ24071RHRLT	BQ24071RHRLT	QFN-20	No	Yes	Yes	No	No	1	Yes	Yes	Yes	3.66	3.24	2.52	2.39
595-BQ24080DRCT	BQ24080DRCT	SON-10	No	Yes	Yes	No	No	1	Yes	Yes	No	2.36	1.89	1.47	1.39
595-BQ24081DRCT	BQ24081DRCT	SON-10	No	Yes	Yes	No	No	1	Yes	Yes	Yes	2.62	2.10	1.57	1.40
595-BQ24155RGGYT	BQ24155RGGYT	QFN-14	No	Yes	Yes	No	No	1	Yes	Yes	No	5.25	4.20	3.36	2.80
595-BQ24180YFFT	BQ24180YFFT	DSBGA-25	No	Yes	Yes	No	No	1	Yes	Yes	No	6.13	4.90	3.92	3.26

## LITHIUM ION PROTECTION

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Texas Instruments Part No.	Package	Li-Ion	Li-Polymer	Cells Protected (Max.)	Protection FETs	Shutdown Current (µA)	Over Current Delay	Over Current Protection	Serial Bus	Price Each			
											1	25	100	250
595-UCC3911DP-1	UCC3911DP-1	SOIC-16	Yes	Yes	2	Internal	3.5	Yes	Yes	No	5.30	4.24	3.57	3.44
595-BQ29401PW	BQ29401PW	TSSOP-8	Yes	Yes	2, 3, 4	External	2	No	No	No	1.32	1.10	.88	.66
595-BQ29312PW	BQ29312PW	TSSOP-24	No	No	2, 3, 4	External	1	Yes	Yes	Yes	2.98	2.37	2.00	1.92
595-BQ29330DBT	BQ29330DBT	SM8-30	Yes	Yes	2, 4	External	1	Yes	Yes	Yes	2.23	1.98	1.54	1.46
595-BQ293311PW	BQ29311PW	TSSOP-24	Yes	Yes	3, 4	External	1	Yes	Yes	Yes	2.47	1.98	1.54	1.46
595-BQ29312APW	BQ29312APW	TSSOP-24	Yes	Yes	4	External	1	Yes	Yes	No	2.47	1.98	1.54	1.46
595-BQ29312ARTHRR	BQ29312ARTHRR	QFN-24	Yes	Yes	4	External	1	Yes	Yes	No	2.25	1.80	1.40	1.33
595-BQ29412DCT3R	BQ29412DCT3R	SM8-8	Yes	Yes	4	External	2	No	No	No	1.35	1.12	.90	.675
595-BQ29412PW	BQ29412PW	TSSOP-8	Yes	Yes	4	External	2	No	No	No	1.49	1.23	.99	.742
595-BQ29414DCTR	BQ29414DCTR	SM8-8	Yes	Yes	4	External	2	Yes	Yes	Yes	1.28	1.07	.856	.642
595-BQ29414PWR	BQ29414PWR	TSSOP-8	Yes	Yes	4	External	2	Yes	Yes	Yes	1.28	1.07	.856	.642
595-BQ29415DCTR	BQ29415DCTR	SM8-8	Yes	Yes	4	External	2	Yes	Yes	Yes	1.28	1.07	.856	.642
595-BQ29415PWR	BQ29415PWR	TSSOP-8	Yes	Yes	4	External	2	Yes	Yes	Yes	1.28	1.07	.856	.642

## ISOLATED DC-DC CONVERTERS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Texas Instruments Part No.	Package	Vin (Min.)	Vin (Max.)	Iout (Max.)	PO (W)	48V Bus	24V Bus	Excalibur	VO Adjustable	Price Each			
											1	25	100	250
<b>1W &amp; 2W Miniature</b>														
595-DCH010505DN7	DCH010505DN7	SIP Module-5	4.5	5.5	0.1	-	No	No	No	No	7.28	6.46	5.45	5.25
595-DCH010505SN7	DCH010505SN7	SIP Module-4	4.5	5.5	0.2	-	No	No	No	No	7.28	6.46	5.45	5.25
595-DCH010512DN7	DCH010512DN7	SIP Module-5	4.5	5.5	0.042	-	No	No	No	No	8.08	6.46	5.45	5.25
595-DCH010512SN7	DCH010512SN7	SIP Module-4	4.5	5.5	0.083	-	No	No	No	No	8.08	6.46	5.45	5.25
595-DCH010515DN7	DCH010515DN7	SIP Module-5	4.5	5.5	0.033	-	No	No	No	No	8.08	6.46	5.45	5.25
595-DCH010515SN7	DCH010515SN7	SIP Module-4	4.5	5.5	0.067	-	No	No	No	No	7.28	6.46	5.45	5.25
595-DCR010505U	DCR010505U	SOP-12	4.5	5.5	0.2	-	No	No	No	No	9.46	8.92	7.90	7.55
595-DCR010505U/1K	DCR010505U/1K	SOP-12	4.5	5.5	0.2	-	No	No	No	No	9.46	8.92	7.90	7.55
<b>Single Output</b>														
595-PT4142A	PT4142A	DIP Module-6	18	40	4	20	No	Yes	No	Yes	46.41	45.43	42.18	41.37
595-PT4142C	PT4142C	DIP Module-6	18	40	4	20	No	Yes	No	Yes	46.41	45.43	42.18	41.37
595-PT4143A	PT4143A	DIP Module-6	18	40	1.6	20	No	Yes	No	Yes	46.41	45.43	42.18	41.37
595-PT4144C	PT4144C	DIP Module-6	18	40	1.3	20	No	Yes	No	Yes	46.41	45.43	42.18	41.37
595-PT4582A	PT4582A	SIP Module-19	18	60	6	30	No	Yes	Yes	Yes	80.64	75.26	72.77	70.28
595-PT4584C	PT4584C	SIP Module-19	18	60	2	30	No	Yes	Yes	Yes	80.64	75.26	72.77	70.28
595-PTB48560BAZ	PTB48560BAZ	DIP Module-11	35	75	8	30	Yes	No	No	Yes	46.88	43.75	40.62	39.84
595-PT4564C	PT4564C	SIP Module-19	36	75	2	30	Yes	No	Yes	Yes	80.64	75.26	72.77	70.28
595-PTEA404120N2AD	PTEA404120N2AD	DIP Module-8	36	75	4.2	50	Yes	No	Yes	Yes	37.77	35.25	32.73	32.10
595-PTMA402050N2AD	PTMA402050N2AD	DIP Module-5	36	75	2	10	Yes	No	No	No	21.37	19.95	18.52	18.16
595-PTQA420050N2AD	PTQA420050N2AD	DIP Module-8	36	75	20	100	Yes	No	No	No	49.87	46.55	43.22	42.39
595-PTQA420050P2AD	PTQA420050P2AD	DIP Module-8	36	75	20	100	Yes	No	No	No	49.87	46.55	43.22	42.39
595-PTQA430025N2AD	PTQA430025N2AD	DIP Module-8	36	75	30	75	Yes	No	No	No	49.87	46.55	43.22	42.39
595-PTQA430025P2AD	PTQA430025P2AD	DIP Module-8	36	75	30	75	Yes	No	No	No	49.87	46.55	43.22	42.39
595-PTQA430033N2AD	PTQA430033N2AD	DIP Module-8	36	75	30	100	Yes	No	No	No	49.87	46.55	43.22	42.39
595-PTQA430033P2AD	PTQA430033P2AD	DIP Module-8	36	75	30	100	Yes	No	No	No	49.87	46.55	43.22	42.39
595-PTQB425080N2AD	PTQB425080N2AD	DIP Module-5	36	75	25	200	Yes	No	No	No	64.12	59.85	55.57	54.50