

# TEXAS INSTRUMENTS Power Management ICs

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

## POWER MANAGEMENT IC (PMIC) SOLUTIONS WITH AND WITHOUT BATTERY

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Texas Instruments Part No.	Package	Battery Charger	Step-Down DC-DC Converter	Step-Up DC-DC Converter	LDO	Vin (Min./Max.)	Processor Supplier	Adjustable Output	Price Each			
										1	25	100	250
595-TPS65020RHAT	TPS65020RHAT	QFN-40	No	3	-	3	2.5/6	Marvell	Yes	6.80	5.44	4.59	4.42
595-TPS65021RHAT	TPS65021RHAT	QFN-40	No	3	-	3	2.5/6	TI, Marvell, AMD	Yes	6.12	5.44	4.59	4.42
595-TPS65022RHAT	TPS65022RHAT	QFN-40	-	3	-	3	2.5/6	Marvell	Yes	6.12	5.44	4.59	4.42
595-TPS65023RSBR	TPS65023RSBR	QFN-40	No	3	-	3	2.5/6	TI	Yes	6.60	5.28	4.45	4.29
595-TPS65023RSBT	TPS65023RSBT	QFN-40	No	3	-	3	2.5/6	TI	Yes	7.30	5.84	4.92	4.74
595-TPS65024ORHBT	TPS65024ORHBT	QFN-32	-	3	-	3	2.5/6	Freescale, Samsung	-	6.50	5.20	4.38	4.22
595-TPS650241RHBT	TPS650241RHBT	QFN-32	-	3	-	3	2.5/6	Freescale, Samsung	-	7.20	5.76	4.86	4.68
595-TPS650242RHBT	TPS650242RHBT	QFN-32	-	3	-	3	2.5/6	Samsung	-	6.50	5.20	4.38	4.22
595-TPS650244RHBT	TPS650244RHBT	QFN-32	-	3	-	3	-	Centrality	-	6.50	5.20	4.38	4.22
595-TPS650245RHBT	TPS650245RHBT	QFN-32	-	3	-	3	2.5/6	Samsung	-	6.50	5.20	4.38	4.22
595-TPS65050RSMT	TPS65050RSMT	QFN-32	No	2	-	4	2.5/6	Samsung	Yes	4.61	3.69	2.87	2.72
595-TPS65053RGER	TPS65053RGER	QFN-24	No	2	-	3	2.5/6	TI, Freescale	Yes	4.16	3.33	2.59	2.46
595-TPS65053RGET	TPS65053RGET	QFN-24	No	2	-	3	2.5/6	-	Yes	4.61	3.69	2.87	2.72
595-TPS65811RTQT	TPS65811RTQT	QFN-56	No	2	1	2	3/18	Freescale	No	11.91	10.72	9.50	9.11
595-TPS65800RTQT	TPS65800RTQT	QFN-56	Yes	2	1	7	3/18	Freescale, Marvell	Yes	10.54	9.52	8.44	8.06
595-TPS65010RGZT	TPS65010RGZT	QFN-48	Yes	2	-	2	2.5/20	TI	Yes	5.70	4.56	3.84	3.70

## MOTION - MOTOR CONTROLLERS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Texas Instruments Part No.	Package	Operating Supply (Min./Max.)	Operating Supply Current (mA)	Peak Output Current (A)	DC Motor Control	Brushless DC Motor Control	Stepper Motor Controllers	Current Limited	Differential Current Sense Amp	Price Each			
											1	25	100	250
595-UC3176QP	UC3176QP	PLCC-28	3/35	18	2	No	No	No	Yes	Yes	13.74	12.37	10.97	10.51
595-UC2637DW	UC2637DW	SOIC-20	5/36	8.5	0.4	Yes	No	No	Yes	No	7.70	6.16	5.19	4.99
595-UC2637N	UC2637N	PDIP-18	5/36	8.5	0.4	Yes	No	No	Yes	No	7.70	6.16	5.19	4.99
595-UC3637DW	UC3637DW	SOIC-20	5/36	8.5	0.4	Yes	No	No	Yes	No	7.10	5.68	4.79	4.61
595-UC3637N	UC3637N	PDIP-18	5/36	8.5	0.4	Yes	No	No	Yes	No	7.10	5.68	4.79	4.61
595-UC3625N	UC3625N	PDIP-28	10/18	14.5	0.5	No	Yes	No	Yes	Yes	10.34	9.75	8.64	8.25
595-UC3638DW	UC3638DW	SOIC-20	10/36	15	0.4	Yes	No	No	Yes	Yes	7.20	5.76	4.85	4.68
595-UC3770AN	UC3770AN	PDIP-16	10/45	33	1.5	No	No	Yes	Yes	No	6.20	4.96	3.85	3.66
595-UC3770BN	UC3770BN	PDIP-16	10/45	33	1.5	No	No	Yes	Yes	No	6.28	5.02	4.23	4.08
595-UC3717AN	UC3717AN	PDIP-16	10/46	7	1	No	No	Yes	Yes	No	9.10	7.28	6.13	5.90

## NVSRAM

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Texas Instruments Part No.	Package	Memory Density	Controller	Module	Supply Voltage	Negative Voltage Tolerance (%)	Price Each			
								1	25	100	250
595-BQ2201SN	BQ2201SN	SOIC-8	-	Yes	No	5	-	4.60	3.69	2.87	2.72
595-BQ4010MA-150	BQ4010MA-150	DIP MODULE-28	64	No	Yes	5	5	13.20	12.49	10.93	9.99
595-BQ4010MA-85	BQ4010MA-85	DIP MODULE-28	64	No	Yes	5	5	13.17	11.86	10.51	10.07
595-BQ4010YMA-150N	BQ4010YMA-150N	DIP MODULE-28	64	No	Yes	5	10	13.20	12.49	10.93	9.99
595-BQ4010YMA-70	BQ4010YMA-70	DIP MODULE-28	64	No	Yes	5	10	13.01	11.71	10.38	9.95
595-BQ4011MA-100	BQ4011MA-100	DIP MODULE-28	256	No	Yes	5	5	13.64	12.28	10.89	10.44
595-BQ4011MA-150	BQ4011MA-150	DIP MODULE-28	256	No	Yes	5	5	13.85	13.11	11.47	10.49
595-BQ4011YMA-100	BQ4011YMA-100	DIP MODULE-28	256	No	Yes	5	10	16.36	14.73	13.06	12.52
595-BQ4011YMA-200	BQ4011YMA-200	DIP MODULE-28	256	No	Yes	5	10	13.85	13.11	11.47	10.49
595-BQ4013MA-85	BQ4013MA-85	DIP MODULE-32	1024	No	Yes	5	5	22.84	15.97	15.38	14.82
595-BQ4013YMA-120	BQ4013YMA-120	DIP MODULE-32	1024	No	Yes	5	10	19.30	18.28	15.99	14.62
595-BQ4013YMA-85	BQ4013YMA-85	DIP MODULE-32	1024	No	Yes	5	10	17.34	16.18	15.02	14.73

## BATTERY FUEL GAUGES

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Texas Instruments Part No.	Package	NiCd	NiMH	Primary Lithium	Li-Ion Safety Enhancement	Lead Acid	Li-Ion	Communication Interface	Charge vs Discharge Relationship	Price Each			
											1	25	100	250
595-BQ2010SN-D107	BQ2010SN-D107	SOIC-16	Yes	Yes	No	No	No	No	DQ	C=D	8.40	6.72	5.66	5.45
595-BQ2013HSN-A514	BQ2013HSN-A514	SOIC-16	Yes	Yes	No	No	Yes	No	HDQ	D>C	8.10	6.48	5.46	5.26
595-BQ2014SN-D120	BQ2014SN-D120	SOIC-16	Yes	Yes	No	No	No	No	DQ	C=D	6.05	6.00	5.66	5.45
595-BQ2019PW	BQ2019PW	TSSOP-8	Yes	Yes	No	No	Yes	Yes	HDQ	-	4.71	3.78	2.94	2.78
595-BQ2040-D111	BQ2040SN-D111	SOIC-16	Yes	Yes	No	No	Yes	Yes	SMBus	C=D	8.40	6.72	5.66	5.45
595-BQ2050SN-D119	BQ2050SN-D119	SOIC-16	No	No	No	No	No	Yes	DQ	C=D	8.40	6.72	5.66	5.45
595-BQ2050HSN-A508	BQ2050HSN-A508	SOIC-16	No	No	No	Yes	No	Yes	HDQ	C=D	8.10	6.48	5.46	5.26
595-BQ2052SN-A515	BQ2052SN-A515	SOIC-16	No	No	Yes	No	No	No	HDQ	-	8.33	7.50	6.65	6.37
595-BQ2060A-E619DBQ	BQ2060A-E619DBQ	SSOP-28	Yes	Yes	Yes	Yes	Yes	Yes	HDQ, SMBus	C=D	6.60	5.28	4.45	4.29
595-BQ20Z90DBT-V110	BQ20Z90DBT-V110	SM8-30	No	No	No	No	No	Yes	SMBus	C=D	8.08	6.45	5.44	5.24
595-BQ20Z95DBT	BQ20Z95DBT	SM8-44	No	No	No	Yes	No	Yes	SMBus	C=D	8.50	7.65	6.78	6.50
595-BQ26200PW	BQ26200PW	TSSOP-8	Yes	Yes	No	No	Yes	Yes	HDQ	-	4.95	3.96	3.08	2.92
595-BQ26231PW	BQ26231PW	TSSOP-8	Yes	Yes	No	No	Yes	Yes	HDQ	-	4.10	3.28	2.75	2.65
595-BQ27000DRKR	BQ27000DRKR	SON-10	No	No	No	No	No	Yes	HDQ	-	2.33	2.07	1.61	1.52
595-BQ27200DRKR	BQ27200DRKR	SON-10	No	No	No	No	No	Yes	I2C	C=D	2.33	2.07	1.61	1.52
595-BQ27350PWR	BQ27350PWR	TSSOP-20	No	No	No	No	No	Yes	HDQ, I2C	C=D	4.05	3.24	2.52	2.39
595-BQ27500DRZR-V120	BQ27500DRZR-V120	SON-12	No	No	No	No	No	Yes	I2C	C=D	3.04	2.43	1.89	1.79
595-BQ27500DRZT	BQ27500DRZT	SON-12	No	No	No	No	No	Yes	I2C	C=D	3.80	3.36	2.61	2.48
595-BQ27541DRZT-V200	BQ27541DRZT-V200	SON-12	No	No	No	No	No	Yes	HDQ, I2C	-	4.00	3.20	2.56	2.13

## BATTERY CHARGE MANAGEMENT

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-BQ24006PWP	BQ24006PWP	HTSSOP-20	No	Yes	Yes	No	No	2	Yes	Yes	Yes	4.40	3.52	2.95	2.84
595-BQ2057DGKG4	BQ2057DGKG4	MSOP-8	No	Yes	Yes	No	No	1	No	No	Yes	1.89	1.52	1.13	1.06
595-BQ24010DRCR	BQ24010DRCR	SON-10	No	Yes	Yes	No	No	1	Yes	Yes	Yes	2.47	1.98	1.48	1.38
595-BQ24012DRCR	BQ24012DRCR	SON-10	No	Yes	Yes	No	No	1	Yes	Yes	No	2.47	1.98	1.48	1.38
595-BQ24013DRCR	BQ24013DRCR	SON-10	No	Yes	Yes	No	No	1	Yes	Yes	No	2.47	1.98	1.48	1.38
595-BQ24030RHLR	BQ24030RHLR	QFN-20	No	Yes	Yes	No	No	1	No	No	No	3.66	3.24	2.52	2.39
595-BQ24032ARHLT	BQ24032ARHLT	QFN-20	No	Yes	Yes	No	No	1	Yes	Yes	Yes	4.50	3.60	2.80	2.66
595-BQ24038RHLT	BQ24038RHLT	QFN-20	No	Yes	Yes	No	No	1	Yes	Yes	Yes	4.50	3.60	2.80	2.66
595-BQ24085DRCR	BQ24085DRCR	SON-10	No	Yes	Yes	No	No	1	Yes	No	No	2.14	1.90	1.42	1.33