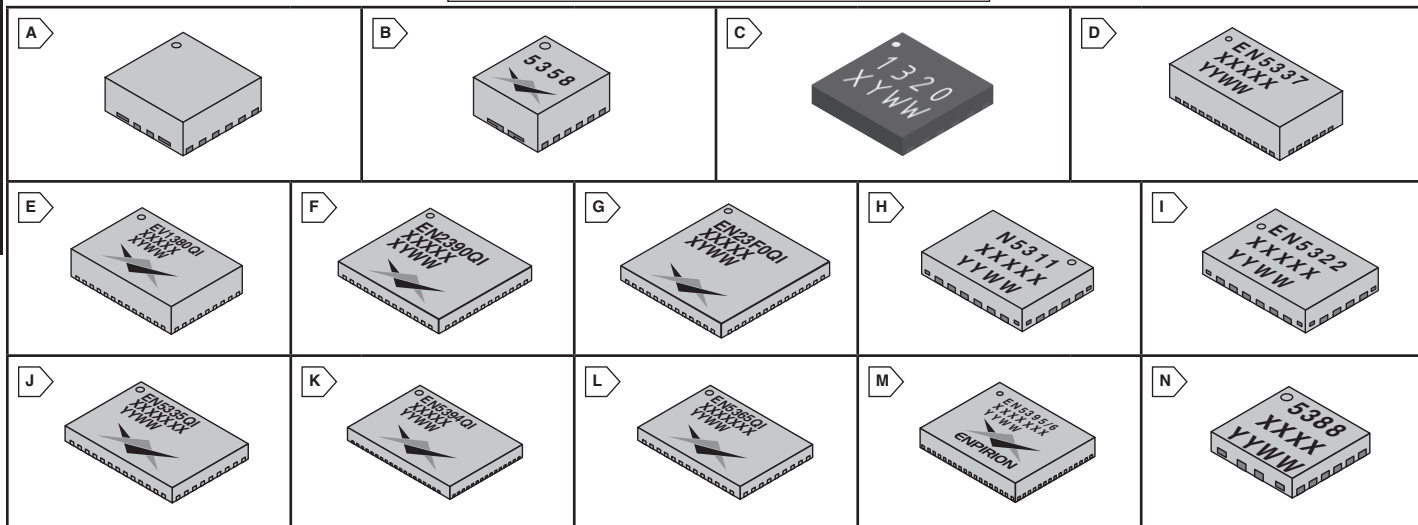


ENPIRION DC-DC Converters

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Power Management
Enpirion



Enpirion is a provider of highly integrated power management solutions, and leverages advances in Power Semiconductor Devices and CMOS-compatible Magnetics to deliver the world's first complete DC-DC conversion in an IC package. Enpirion solutions reduce footprint by up to 70%, reduce parts count by as much as 60%, and dramatically ease the design constraints associated with switch-mode DC-DC converters.

Enpirion makes the industry's smallest Power System on Silicon (PSoS) - the first ultra-integrated all-silicon DC-to-DC converter, and the first to feature an integrated inductor. Enpirion's patented approach capitalizes on semiconductor geometry advances that enable a 10x switching-frequency improvement - integrating a PWM controller, power FETs, compensation circuitry, and magnetic components into a single turnkey IC package.

Enpirion manufactures a growing line of Switch-mode DC-DC converters with integrated inductor. Integration of the inductor sets Enpirion products apart from the competition. The layout and placement of the inductor is one of the most common reasons for power IC related failures. Enpirion solves this problem, reduces foot print, reduces part count, and reduces noise associated with switch-mode power conversion. Applications include high volume consumer products such as mobile phones, portable game players, MP3 and personal media players, as well as data networking, telecoms, user terminal equipment such as set top box, and of course notebook and desktop PC.

ENPIRION DC-DC BUCK (STEP-DOWN) CONVERTER

NEW PRODUCT

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Enpirion Part No.	Fig.	Max. Continuous Load (A)	Input (VDC)	Output (VDC)	Switching Frequency (MHz)	Package	Dimensions: mm	Price Each			
									1	25	50	100
884-EP5348UI	EP5348UI	-	0.4	2.5-5.5	0.6 to VIN-VDO	5	QFN-14	2x1.75x.9	1.23	1.21	1.18	.958
884-EP5357LUI	EP5357LUI	A	0.6	2.4-5.5	1.8-3.3	5	QFN-16	2.5x2.25x1.1	2.30	2.18	2.05	1.85
884-EP5357HUI	EP5357HUI	A	0.6	2.4-5.5	1.8-3.3	5	QFN-16	2.5x2.25x1.1	2.30	2.18	2.05	1.85
884-EP5358LUI	EP5358LUI	B	0.6	2.4-5.5	0.6 to VIN-VDO	5	QFN-16	2.5x2.25x1.1	1.82	1.79	1.74	1.41
884-EP5358HUI	EP5358HUI	B	0.6	2.4-5.5	1.8-3.3	5	QFN-16	2.5x2.25x1.1	1.82	1.79	1.74	1.41
884-EP53A8HQI	EP53A8HQI	A	1.0	2.4-5.5	3.3V	5	QFN-16	3x3x1.1	2.39	2.29	2.13	1.91
884-EP53A8LQI	EP53A8LQI	A	1.0	0.3-6	3.3	5	QFN-16	3x3x1.1	2.39	2.29	2.13	1.91
884-EV1320QI	EV1320QI	C	2.0	.95-1.8	0.5-0.9	7.5	QFN-16	3x3x.55	1.40	1.23	1.15	.89
884-EN5339QI	EN5339QI	D	3.0	2.4-5.5	0.6 to VIN-VDO	3.5	QFN-24	4x6x1.1	3.99	3.28	2.81	2.50
884-EN5337QI	EN5337QI	D	3.0	2.375-5.5	0.6 to VIN-VDO	5	QFN-38	4x7x1.85	3.50	3.43	3.34	2.72
884-EN2340QI	EN2340QI	E	4	4.5-14	5	1	QFN-68	8x11x3	7.14	6.94	6.01	4.55
884-EN5367QI	EN5367QI	D	6.0	2.5-5.5	0.6-3.3	4	QFN-54	5.5x10x3	7.12	6.86	5.91	4.53
884-EN2360QI	EN2360QI	E	6 A	14 V	5 V	1 MHz	QFN-68	8 x 11 x 3	9.80	8.12	7.31	6.24
884-EV1380QI	EV1380QI	E	8.0	1-1.8	.74-.76	1.5	QFN-68	8x11x3	11.85	11.25	11.15	11.10
884-EN2390QI	EN2390QI	F	9 A	14 V	5 V	1 MHz	QFN-76	11 x 10 x 3	15.36	12.72	11.45	9.78
884-EN23F0QI	EN23F0QI	G	15 A	14 V	3.3 V	1 MHz	QFN-92	12 x 13 x 3	23.37	19.36	17.42	14.89

ENPIRION DC-DC CONVERTER / SWITCHER - POL PRODUCTS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Enpirion Part No.	Fig.	Max. Continuous Load (A)	Input (VDC)	Output (VDC)	Switching Frequency (MHz)	Package	Dimensions: mm	Price Each			
									1	25	50	100
884-EN5311QI	EN5311QI	H	1.0	2.4-5.5	0.6 to VIN-VDO	4	QFN-20	4x5x1.1	2.32	2.20	2.05	1.86
884-EN5322QI-T	EN5322QI	I	2.0	2.4-5.5	0.6 to VIN-VDO	5	QFN-24	4x6x1.1	4.26	4.20	4.00	3.50
884-EN5335QI	EN5335QI	J	3.0	2.375-5.5	0.8-3.3	5	QFN-44	7.5x10x1.85	5.61	5.51	5.41	4.59
884-EN5336QI	EN5336QI	J	3.0	2.375-5.5	0.8-3.3	5	QFN-44	7.5x10x1.85	5.61	5.51	5.41	4.59
884-EN5364QI	EN5364QI	K	6.0	2.375-6.6	0.6 to VIN-VDO	4	QFN-68	8x11x1.85	7.88	7.09	6.30	5.91
884-EN5365QI	EN5365QI	L	6.0	2.375-5.5	0.8-3.3	5	QFN-58	10x12x1.85	6.60	5.88	5.25	4.79
884-EN5366QI	EN5366QI	L	6.0	2.375-5.5	0.8-3.3	5	QFN-58	10x12x1.85	8.33	7.87	7.27	6.67
884-EN5394QI	EN5394QI	K	6.0	2.375-6.6	0.6 to VIN-VDO	4	QFN-68	8x11x1.85	9.80	8.82	7.84	7.35
884-EN5395QI	EN5395QI	M	9.0	2.375-5.5	0.75 to VIN-VD	5	QFN-16	10x12x1.85	10.78	9.48	8.43	7.37
884-EN5396QI	EN5396QI	M	9.0	2.375-5.5	0.75 to VIN-VD	5	QFN-58	10x12x1.85	10.64	10.10	9.41	8.54

ENPIRION DC-DC CONVERTER / SWITCHER - LOW POWER PRODUCTS (MOBILE)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Enpirion Part No.	Fig.	Max. Continuous Load (A)	Input (VDC)	Output (VDC)	Switching Frequency (MHz)	Package	Dimensions: mm	Price Each			
									1	25	50	100
884-EP5352QI	EP5352QI	H	0.5	2.4-5.5	0.6-3.3	5	QFN-20	4x5x1.1	2.15	2.07	1.89	1.65
884-EP5362QI	EP5362QI	H	0.6	2.4-5.5	0.6-3.3	5	QFN-20	4x5x1.1	1.85	1.76	1.70	1.65
884-EP5368QI	EP5368QI	N	0.7	2.4-5.5	0.603 to VIN-0.4V	4	QFN-16	3x3x1.1	1.84	1.80	1.76	1.51
884-EP5382QI	EP5382QI	H	0.8	2.4-5.5	0.6-3.3	5	QFN-20	4x5x1.1	2.50	2.46	2.41	2.05
884-EP5388QI	EP5388QI	N	0.8	2.4-5.5	0.6 to VIN-0.36VD	4	QFN-16	3x3x1.1	1.98	1.93	1.89	1.62

ENPIRION EVALUATION BOARDS

NEW PRODUCT

MOUSER STOCK NO.	Enpirion Part No.	Max. Current Out (A)	Input (VDC)	Output (VDC)	Switching Frequency (MHz)	Price Each	MOUSER STOCK NO.	Enpirion Part No.	Max. Current Out (A)	Input (VDC)	Output (VDC)	Switching Frequency (MHz)	Price Each
884-EP5348UI-E	EP5348UI-E	0.4	2.5-5.5	0.6 to VIN-VDO	5	51.87	884-EN5364QI-E	EN5364QI-E	6.0	2.375-6.6	0.6 to VIN-VDO	4	63.21
884-EP5352QI-E	EP5352QI-E	0.5	2.4-5.5	0.6-3.3	5	54.99	884-EN5367QI-E	EN5367QI-E	6.0	2.5-5.5	0.6-3.3	4	69.00
884-EP5357HUI-E	EP5357HUI-E	0.6	2.4-5.5	1.8-3.3	5	51.87	884-EN5394QI-E	EN5394QI-E	6.0	2.375-6.6	0.6 to VIN-VDO	4	63.21
884-EP5362QI-E	EP5362QI-E	0.6	2.4-5.5	0.6-3.3	5	54.99	884-EN2360QI-E	EN2360QI-E	6	4.5-14	0.6-5	1	69.00
884-EV1380QI-E	EV1380QI-E	0.6	1-1.8	.74-.76	1.5	65.17	884-EN2390QI-E	EN2390QI-E	6	4.5-14	0.6-5	1	69.00
884-EV1320QI-E	EV1320QI-E	2.0	.95-1.8	0.5-0.9	7.5	69.00	884-EN23F0QI-E	EN23F0QI-E	6	4.5-14	0.6-5	1	69.00
884-EN5339QI-E	EN5339QI-E	3.0	2.4-5.5	0.6 to VIN-VDO	3.5	69.00	884-EN6360QI-E	EN6360QI-E	8.0	2.375-6.6	-	1	65.17
884-EN6347QI-E	EN6347QI-E	4.0	2.375-6.6	8-5	3	65.17	884-EN63A0QI-E	EN63A0QI-E	12.0	2.375-6.6	-	1.5	65.17
884-EN2340QI-E	EN2340QI-E	4.0	4.5-14	5	1	69.00							