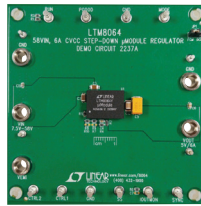


POWER MANAGEMENT ICS

LINEAR TECHNOLOGY - DC/DC CONTROLLERS, CONVERTERS & SWITCHING REGULATOR SELECTION



Linear Technology manufactures a broad line of high performance switching regulator ICs with both synchronous and non-synchronous internal switches. These switching voltage regulators offer typical input voltage capability from 2.25V up to 60V, switching frequencies up to 4MHz and high efficiency operation up to 96%. Also with Burst Mode operation, quiescent currents in the tens of micro-amps level can be attained. This combination of features allows very small, low profile circuit implementations with minimum external components. Topologies include buck (step-down) switching regulators, boost (step-up) switching regulators, buck-boost switching regulator, inverting switching regulators, and flyback and isolated topology switching regulators. Linear Technology's µModule (micromodule) DC/DC power products are complete system-in-package (SIP) power management solutions with integrated DC/DC controller, power transistors, input and output capacitors, compensation components and inductor within a compact, surface mount BGA or LGA package. µModule power products support functions as Step-Down (buck), Step-Down and Step-Up (buck-boost), Battery Charger, Isolated Converter, and LED driver. As a highly integrated solution with PCB Gerber files available for every device, µModule power products address time and space constraints while delivering a high efficiency, reliable and with select products a low EMI solution compliant with EN55022 class B standards. To view Newark's complete offering, please go to www.newark.com

Mfg. Part No.	Description	Stock No.	Price Each 1-24+
DC/DC Controllers			
● LTC3892EUH#PBF	60V Low IQ, Dual, 2-Phase Synchronous Step-Down DC/DC Controller	47Y5714	---
● LTC1871EMS#PBF	Wide Input Range, No RSENSE Current Mode Boost, Flyback and SEPIC Controller	56M4256	---
● LTC3886EUKG#PBF	60V Dual Output Step-Down Controller with Digital Power System Management	56Y1541	---
● LTC3884EUK#PBF	Dual Output PolyPhase Step-Down Controller with Sub-Milliohm DCR Sensing and Digital Power System Management	68Y7004	---
DC/DC Integrated POL Converters			
● LTM8021EV#PBF	36VIN, 500mA Step-Down DC/DC µModule (Power Module)	01P1603	---
● LTM8023IV#PBF	2A, 36V DC/DC Step-Down µModule (Power Module) Regulator	02P7640	---
● LTM4644IY#PBF	Quad DC/DC µModule (Power Module) Regulator with Configurable 4A Output Array	27X1569	---
● LTM4625EY#PBF	20VIN, 5A Step-Down DC/DC µModule (Power Module) Regulator	30Y6523	---
● LTM8027EY#PBF	60V, 4A DC/DC µModule (Power Module) Regulator	30Y6525	---
● LTM4622EV#PBF	Dual Ultrathin 2.5A or Single 5A Step-Down DC/DC µModule (Power Module) Regulator	53Y1421	---
● LTM4613EY#PBF	EN55022B Compliant 36VIN, 15VOUT, 8A, DC/DC µModule (Power Module) Regulator	66Y7160	---
● LTM8026EY#PBF	36VIN, 5A CVCC Step-Down µModule (Power Module) Regulator	66Y7169	---
● LTM8052AEY#PBF	36VIN, 5A, 2-Quadrant CVCC Step-Down µModule (Power Module) Regulator	66Y7174	---
● LTM8054EY#PBF	36VIN, 5.4A Buck-Boost µModule (Power Module) Regulator	66Y7184	---
● LTM8055MPY#PBF	36VIN, 8.5A Buck-Boost µModule (Power Module) Regulator	66Y7190	---
● LTM4623EY#PBF	Ultrathin 20VIN, 3A Step-Down DC/DC µModule (Power Module) Regulator	70Y9194	---
● LTM8064IY#PBF	58VIN, 6A CVCC Step-Down µModule Regulator	79Y0407	---
● LTM4618EV#PBF	6A DC/DC µModule (Power Module) Regulator with Tracking and Frequency Synchronization	84R5009	---
● LTM8033EV#PBF	Ultralow Noise EMC 36VIN, 3A DC/DC µModule (Power Module) Regulator	84R5012	---
DC/DC Switching Regulators-Adjustable			
● LT8614EUDC#PBF	42V, 4A Synchronous Step-Down Silent Switcher with 2.5µA Quiescent Current	18X0216	---
● LT8610IMSE#PBF	42V, 2.5A Synchronous Step-Down Regulator with 2.5µA Quiescent Current	28W4627	---
● LT8613EUDC#PBF	42V, 6A Synchronous Step-Down Regulator with Current Sense and 3µA Quiescent Current	30Y9652	---
● LT8570EDD#PBF	Boost/SEPIC/Inverting DC/DC Converter with 65V Switch, Soft-Start and Synchronization	41Y2831	---
● LT8570EMS8E#PBF	Boost/SEPIC/Inverting DC/DC Converter with 65V Switch, Soft-Start and Synchronization	41Y2835	---
● LTC3118IUD#PBF	18V, 2A Buck-Boost DC/DC Converter with Low-Loss Dual Input PowerPath	43Y2786	---
● LTC7138IMSE#PBF	High Efficiency, 140V 400mA Step-Down Regulator	43Y2800	---
● LT8620HMSE#PBF	65V, 2A Synchronous Step-Down Regulator with 2.5µA Quiescent Current	51Y6049	---

LINEAR TECHNOLOGY - DC/DC CONTROLLERS, CONVERTERS & SWITCHING REGULATOR SELECTION (CONT.)

Mfg. Part No.	Description	Stock No.	Price Each 1-24+
DC/DC Switching Regulators-Adjustable			
● LT8330ES6#TRMPBF	Low IQ Boost/SEPIC/Inverting Converter with 1A, 60V Switch	55Y5157	---
● LT8494EFE#PBF	SEPIC/Boost DC/DC Converter with 2A, 70V Switch, and 7µA Quiescent Current	55Y5181	---
● LT8631EFE#PBF	100V, 1A Synchronous Micropower Step-Down Regulator	55Y5211	---
● LT8640HUDC#PBF	42V, 5A Synchronous Step-Down Silent Switcher with 2.5µA Quiescent Current	55Y5223	---
● LT1074CT#PBF	Step-Down Switching Regulator	57M1301	---
● LT1765EFE#PBF	Monolithic 3A, 1.25MHz Step-Down Switching Regulators	57M6199	---
● LT3580EDD#PBF	Boost/Inverting DC/DC Converter with 2A Switch, Soft-Start, and Synchronization	57M8515	---
● LTC3121EDE#PBF	15V, 1.5A Synchronous Step-Up DC/DC Converter with Output Disconnect	68Y0906	---
● LTC3624IMSE#PBF	17V, 2A Synchronous Step-Down Regulator with 3.5µA Quiescent Current	68Y6998	3.42
● LTC7812EUH#PBF	Low IQ, 38V Synchronous Boost+Buck Controller	68Y7032	---
● LT8331EMSE#PBF	Low IQ Boost/SEPIC/ Flyback/Inverting Converter with 0.5A, 140V Switch	68Y7038	---
● LTC3649EUD#PBF	60V, 4A Synchronous Step-Down Regulator with Rail-to-Rail Programmable Output	77Y4709	---
● LT8609AEMSE#PBF	42V, 2A/3A Peak Synchronous Step-Down Regulator with 2.5µA Quiescent Current	80Y1647	---
● LT8608IMSE#PBF	42V, 1.5A Synchronous Step-Down Regulator with 2.5µA Quiescent Current	81Y5726	---
DC/DC Switching Regulators-Fixed			
● LTC3525DISC6-3#TRMPBF	400mA Micropower Synchronous Step-Up DC/DC Converter with Pass Through Mode	51Y5997	---
● LT1767EMS8E-3#PBF	Monolithic 1.5A, 1.25MHz Step-Down Switching Regulators	57M6271	---
DC/DC Switching Regulators-Multi Output			
● LTC3371EUHF#PBF	4-Channel 8A Configurable Buck DC/DCs with Watchdog and Power-On Reset	30Y6491	---
● LTC3370EUH#PBF	4-Channel 8A Configurable Buck DC/DCs	41Y7668	---
● LT8616EFE#PBF	Dual 42V Synchronous Monolithic Step-Down Regulator with 6.5µA Quiescent Current	46Y7264	---
● LTC3622EDE-23/5#PBF	17V, Dual 1A Synchronous Step-Down Regulator with Ultralow Quiescent Current	51Y6017	---
● LT8471HFE#PBF	Dual Multitopology DC/DC Converters with 2A Switches and Synchronization	51Y6043	5.90
● LT8602IUJ#PBF	42V Quad Monolithic Synchronous Step-Down Regulator	55Y5208	---
● LT3471EDD#PBF	Dual 1.3A, 1.2MHz Boost/Inverter in 3mm x 3mm DFN	57M8270	---
● LT3508EFE#PBF	Dual Monolithic 1.4A Step-Down Switching Regulator	58M1030	---
● LTM4677EY#PBF	Dual 18A or Single 36A µModule (Power Module) Regulator with Digital Power System Management	71Y8389	---
● LT8601EUJ#PBF	42V Triple Monolithic Synchronous Step-Down Regulator	77Y6668	---
Popular DC/DC Controllers, Converters & Switching Regulators Module Demo Boards			
DC1854A	LT8471EFE Demo Board, Dual Buck/Inverting, 6V ≤ VIN ≤ 32V, Vout1 = 5V @ 1.4A, Vout2 = -5V @ 0.8A	29Y9283	---
DC2005A	LTC3624 Demo Board (DFN), Micropower Sync Buck, 2.7V ≤ VIN ≤ 17V, Vout = 1.2V/1.8V/2.5V/3.3V/5V/Adj @ 2A	29Y9307	---
DC436A	LT1765ES8, Wide Input Range, 1.25MHz Step-Down DC/DC Converter, 8.5V-25Vin, 5Vout @ 2A	29Y9392	---
DC476A	LT1765EFE, Wide Input Range, 1.25MHz Step-Down DC/DC Converter, 3V to 25V Input, Jumper Selectable 3.3V or 5Vout @ 2A	29Y9402	---
DC502A	LT1767EMS8E, 1.25MHz Wide Input Range Step Down DC/DC Converter, 3V to 25V Input, 5V/3.3Vout @ 1A	29Y9417	---
DC2171A-A	LTM4623 Demo Board, Step-Down µModule Regulator, 4V ≤ VIN ≤ 20V, Vout = 1.0/1.2/1.5/1.8/2.5/3.3/5V @ 3A	41Y0594	7.80
DC414B	LTC1871EMS, Boost Controller, 3V ≤ VIN ≤ 5V, Vout = 5V @ 7A	56Y1502	---
DC2016A	LTM8054 Demo Board, µModule Sync Buck-Boost, 6V ≤ VIN ≤ 35V, Vout = 12V @ 1.8A to 3A	68Y0306	---
DC2311A	LTC3370EUH Demo Board, 4-Ch 8A Configurable Bucks, 2.25V ≤ VIN ≤ 5.5V, VOUT1-4 = 1.2V, 2.5V, 1.8V, 3.3V @ 0-2A Each	68Y6878	24.00
DC2066A	LTM4677EY Demo Board, µModule Regulator With Digital PSM, 4.5V ≤ VIN ≤ 16V, Vout0 = Vout1 = 0.5V to 1.8V @ 18A	72Y0785	---

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