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

Mfg. Part No.	Description	Stock No.	Price Each 1-24+
Popular DC/DC Controllers, Converters & Switching Regulators Module Demo Boards			
DC2017A	LTM8055 Demo Board, Buck-Boost µModule Regulator, 5V ≤ VIN ≤ 36V, Vout = 12V @ 6A	77Y4222	---
DC2202A	LT8640EUDC Demo Board, µPower Buck Silent Switcher, 5.7V ≤ VIN ≤ 42V; Vout = 5V @ 5A	80Y5786	---
DC2113A	LTC3649 Demo Board, Sync Buck, 3.1V ≤ VIN ≤ 60V, Vout = 3.3V/5V @ 4A	82Y0503	---
DC2237A	LTM8064 Demo Board, CVCC Source/Sink Step-Down µModule Regulator, 7.5V ≤ VIN ≤ 58V, Vout = 5V @ ±6A	82Y0506	---
DC2422A-A	LTC7812EUH Demo Board, Sync Buck + Sync Boost, 4V ≤ VIN ≤ 36V; VOUT = 12V @ 8A	82Y0507	80.00
DC2422A-B	LTC7812EUH Demo Board, Sync Boost + Sync Buck, 4V ≤ VIN ≤ 36V; VOUT1 (Quasi Regulated) = 10V-16V @ 6-8A	82Y0508	80.00
DC2422A-C	LTC7812EUH Demo Board, Sync Boost + Sync Buck, 4V ≤ VIN ≤ 36V; VBoost = 12V, Vbuck = 12V to 5V @ 8A	82Y0509	---

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LINEAR TECHNOLOGY - LDO REGULATOR SELECTION

RoHS Compliant Available

Linear Technology manufactures a broad line of high performance low dropout linear regulators (LDO). These LDOs offer very low dropout, fast transient response, excellent line and load regulation, and have a very wide input voltage range, from 0.9V to 80V. Output currents range from 100mA to 10A, with positive, negative and multiple outputs. LDO+ devices provide additional functionality and features beyond the basic linear regulator performance. Functionality may include voltage, current and temperature monitoring, diagnostic information and features such as programmable current limit, active output discharge or the ability to control an upstream supply powering the LDO. To view Newark's complete offering, please go to www.newark.com

Mfg. Part No.	Description	Stock No.	Price Each 1-24+
LDO Regulators-Adjustable			
LT3042EDD#PBF	20V, 200mA, Ultralow Noise, Ultrahigh PSRR RF Linear Regulator	45Y0523	---
LT1175CS8#PBF	500mA Negative Low Dropout Micropower Regulator	57M2460	---
LT1762EMS8#PBF	150mA, Low Noise, LDO Micropower Regulators	57M6011	---
LT1763CS8#PBF	500mA, Low Noise, LDO Micropower Regulators	57M6066	---
LT1764AEQ#PBF	3A, Fast Transient Response, Low Noise, LDO Regulators	57M6108	---
LT1962EMS8#PBF	300mA, Low Noise, Micropower LDO Regulators	57M7404	2.08
LT1963AEQ#PBF	1.5A, Low Noise, Fast Transient Response LDO Regulators	57M7443	---
LT1964ES5-BYP#TRMPBF	200mA, Low Noise, Low Dropout Negative Micropower Regulator	57M7582	---
LT3010EMS8E#PBF	50mA, 3V to 80V Low Dropout Micropower Linear Regulator	57M7843	---
LT3021ES8#PBF	500mA, Low Voltage, Very Low Dropout Linear Regulator	57M8006	---
LT1761ES5-BYP#TRMPBF	100mA, Low Noise, LDO Micropower Regulators in TSOT-23	59M8293	---
LT3080EMS8E#PBF	Adjustable 1.1A Single Resistor Low Dropout Regulator	75M4716	---
LT3066EDE#PBF	45V VIN, 500mA Low Noise, Linear Regulator with Programmable Current Limit and Active Output Discharge	77Y5443	---
LDO Regulators-Fixed			
LT3060EDC-15#TRMPBF	45V VIN, Micropower, Low Noise, 100mA Low Dropout, Linear Regulator	30Y6547	---
LT1129IST-5#PBF	Micropower Low Dropout Regulators with Shutdown	57M2106	---
LT1763CS8-3.3#PBF	500mA, Low Noise, LDO Micropower Regulators	57M6056	---
LT1764AEQ-3.3#PBF	3A, Fast Transient Response, Low Noise, LDO Regulators	57M6105	---
LT1962EMS8-5#PBF	300mA, Low Noise, Micropower LDO Regulators	57M7401	---
LT1963AEST-3.3#PBF	1.5A, Low Noise, Fast Transient Response LDO Regulators	57M7459	---
LT3010EMS8E-5#PBF	50mA, 3V to 80V Low Dropout Micropower Linear Regulator	57M7840	---
LT1964ES5-5#TRMPBF	200mA, Low Noise, Low Dropout Negative Micropower Regulator	59M8319	---
LT1761ES5-5#PBF	100mA, Low Noise, LDO Micropower Regulators in TSOT-23	61M3359	---

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LINEAR TECHNOLOGY - LED DRIVER SELECTION

RoHS Compliant Available

Linear Technology has a very broad line of LED driver ICs for automotive, display backlighting, handheld and general lighting applications. They are configured as either Inductorless white LED drivers (for LEDs in parallel), or switching regulator based white LED drivers (for LEDs in series). Topologies include boost regulator LED drivers, buck regulator LED drivers, buck-boost LED drivers, SEPIC topology led drivers and more. Regardless of topology, these LED driver ICs offer the highest efficiency, lowest noise, and the smallest footprints. Other features of Linear Technology LED driver include integrated Schottky diodes, accurate LED current matching and multiple output capability. Go to www.newark.com to learn more about the complete portfolio.

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LINEAR TECHNOLOGY - LED DRIVER SELECTION (CONT.)

Mfg. Part No.	Description	Stock No.	Price Each 1-24+
LED Drivers			
LT3744EUHE#PBF	High Current Synchronous Step-Down LED Driver	45Y0539	4.98
LT3952EFE#PBF	60V LED Driver with 4A Switch Current	47Y5752	---
LT3909EDD#PBF	2-String × 60mA, 2MHz Step-Up LED Driver with ±2% Current Matching	56Y1588	---
LT8500ETJ#PBF	48-Channel LED PWM Generator with 12-Bit Resolution and 50MHz Cascadable Serial Interface	76Y2412	1.40
LT3965EFE#PBF	8-Switch Matrix LED Dimmer	80Y1645	---
LT3761AEMSE#PBF	60VIN LED Controller with Internal PWM Generator	84Y6875	1.63
LT8391EFE#PBF	60V Synchronous 4-Switch Buck-Boost LED Controller with Spread Spectrum	84Y8899	5.23

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LINEAR TECHNOLOGY - SUPERVISOR AND MONITOR SELECTION

RoHS Compliant Available

Linear Technology provides an extensive array of integrated circuits to monitor and control circuit board DC power supplies, and protect electronics from damaging voltages and currents. Monitoring functions include voltage supervision for reset generation, as well as ADC-based digital measurements of voltage, current, charge, power, energy, and temperature. For power control, devices can turn on/off power supply rails (e.g., through a pushbutton) and also sequence, track, trim, and margin them with precision. Devices such as Surge Stoppers, Hot Swap and Ideal diode controllers protect electronic sub-systems against abnormal voltages (undervoltage, overvoltage surges such as automotive load dump, reversed inputs, or reversed output ports) and currents (short-circuits, overcurrents, or reverse currents). Our robust Power over Ethernet (PoE) controllers allow up to 90W of power to be managed and transferred between power sourcing equipment (PSE) and powered devices (PDs) over low-cost Ethernet cables, thereby avoiding costly AC outlet installations and running power cables. All of these devices incorporate a high degree of accuracy, offer varying levels of functional integration, and feature analog or digital configuration, resulting in cost-efficient designs that would otherwise be burdened with multiple complicated components when designed discretely. The Monitor, Control and Protection family provides convenient solutions for the growing number of analog and digital power management functions demanded by today's high-performance systems. To view Newark's complete offering, please go to www.newark.com

Mfg. Part No.	Description	Stock No.	Price Each 1-24+
Supervisors and Monitors			
LTC2936CUFD#PBF	Programmable Hex Voltage Supervisor with EEPROM and Comparator Outputs	38Y9879	---
LTC2956IMS-2#PBF	Wake-Up Timer with Pushbutton Control	41Y2807	---
LTC1696HS6#TRMPBF	Overvoltage Protection Controller	56Y1532	---
LTC2937IUHE#PBF	Programmable Six Channel Sequencer and Voltage Supervisor with EEPROM	66Y7081	---
LTC2945HMS#PBF	Wide Range I2C Power Monitor	66Y7085	---

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LINEAR TECHNOLOGY - VOLTAGE REFERENCE SELECTION

RoHS Compliant Available

Linear Technology offers a broad line of series and shunt precision voltage references. Shunt voltage references operate in a manner that is functionally equivalent to a Zener diode. Series voltage references operate in a manner that is functionally equivalent to a 3 terminal regulator. Many of Linear Technology's voltage references are designed to operate in either series or shunt mode. All of our products offer excellent initial accuracy and low drift over time and temperature. Linear Technology's "Reference+" parts combine precision voltage references with comparators or amplifiers. To view Newark's complete offering, please go to www.newark.com

Mfg. Part No.	Description	Stock No.	Price Each 1-24+
Voltage Reference			
LT6654BHLS8-2.048#PBF	Precision Wide Supply High Output Drive Low Noise Reference	66Y7210	---
LT6657AHMS8-2.5#PBF	1.5ppm/°C Drift, Low Noise, Buffered Reference	66Y7211	---

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MAXIM POWER MANAGEMENT SELECTION

Maxim is a leading supplier of integrated circuits for power and battery management applications. Maxim offers a wide range of power conversion and control ICs and our battery management products provide charging and monitoring functions. Maxim products are designed to meet the needs of various applications in industrial, communications, automotive, consumer and medical markets

Mfg. Part No.	Stock No.
HIP6013CB	05B6843

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MAXIM - DC/DC CONTROLLERS, CONVERTERS & SWITCHING REGULATOR SELECTION

RoHS Compliant Available

Maxim's high-efficiency switching regulator ICs and power modules provide longer battery life, generate less heat, and require less board space than competitive products. Maxim provides+D598 a wide selection of DC-DC switching regulators and controllers to handle a broad range of applications. To view Newark's complete offering, please go to www.newark.com

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