

POWER MANAGEMENT ICS

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

| Mfg. Part No. | Description | Stock No. | Price Each 1-4+ |
|--|---|-----------|--------------------|
| DC/DC Controllers | | | |
| ● MAX15035ETL+ | 15A Step-Down Regulator with Internal Switches | 73Y2378 | 17.14 |
| ● MAX15059AETE+T | 76V, 300mW Boost Converter and Current Monitor for APD Bias Applications | 73Y2383 | 3.19 |
| ● MAX15062AATA+T | 60V, 300mA, Synchronous Step-Down DC-DC Converter | 73Y2386 | 2.26 |
| ● MAX1744EUB+ | High-Voltage, Step-Down DC-DC Controller in UMAX | 73Y2623 | 4.97 |
| ● MAX1745AUB+ | High-Voltage, Step-Down DC-DC Controller in UMAX | 73Y2626 | 5.29 |
| ● MAX17505ATP+ | 1.7A, 60V Synchronous Buck Regulator | 73Y2645 | 3.65 |
| ● MAX17544ATP+ | 3.5A, 60V, Synchronous Buck Regulator | 73Y2650 | 3.48 |
| ● MAX17545ATP+ | 4.5V to 42V, 1.7A, Synchronous Buck Regulator | 73Y2651 | 2.78 |
| ● MAX17552AUB+ | 4.5V to 60V, 100mA Synchronous Buck Regulator | 73Y2652 | 2.28 |
| ● MAX1821EUB+ | WCDMA Cellular Phone 600mA Buck Regulators | 73Y2713 | --- |
| ● MAX1953EUB+T | Low-Cost, High-Frequency, Current-Mode PWM Buck Controllers | 73Y2809 | 3.78 |
| ● MAX1954EUB+ | Low-Cost, High-Frequency, Current-Mode PWM Buck Controllers | 73Y2810 | --- |
| ● MAX767CAP+ | 5V to 3.3V Output, Synchronous, Step-Down Power Supply Controller | 73Y5984 | 8.92 |
| DC/DC Integrated POL Converters | | | |
| ● MAXM17543ALJ+ | 60V, 2.5A Integrated Inductor Power Module | 84Y5975 | 11.27 |
| ● MAXM17544ALJ+ | 60V, 2.5A Integrated Inductor Power Module | 84Y5977 | --- |
| ● MAXM17545ALJ+ | 60V, 2.5A Integrated Inductor Power Module | 84Y5979 | 10.72 |
| DC/DC Switching Regulators-Fixed | | | |
| ● MAX1692EUB+ | Low-Noise, 5.5V Input, PWM Step-Down Regulator | 73Y2560 | 4.77 |
| ● MAX1951ESA+T | 1MHz, All-Ceramic, 2.6V to 5.5V Input, 2A PWM Step-Down DC-to-DC Regulators | 73Y2806 | 4.80 |
| ● MAX635ACSA+ | Preset/Adjustable Output CMOS Inverting Switching Regulators | 73Y5393 | 5.10 |
| ● MAX636ACPA+ | Preset/Adjustable Output CMOS Inverting Switching Regulators | 73Y5401 | --- |
| ● MAX643AEPA+ | 5V Adjustable, 10W, CMOS, Step-Up, Switching Regulator Controller | 73Y5483 | 7.33 |
| ● MAX732EWE+ | +12V/+15V Step-Up Current-Mode PWM Regulators | 73Y5873 | 10.56 |
| ● MAXM17503ALJ+ | 60V, 2.5A Integrated Inductor Power Module | 84Y5963 | 11.54 |
| ● MAXM17504ALJ+ | 60V, 2.5A Integrated Inductor Power Module | 84Y5965 | 12.62 |
| ● MAXM17505ALJ+ | 60V, 2.5A Integrated Inductor Power Module | 84Y5967 | 11.04 |
| ● MAXM17514ALJ+ | 4A 125°C Power Modules | 84Y5969 | --- |
| ● MAXM17515ALJ+ | 5.5V, 5A 125°C Power Modules | 84Y5971 | --- |
| ● MAXM17516ALJ+ | 6A 125°C Power Modules | 84Y5973 | --- |
| Popular DC/DC Controllers, Converters & Switching Regulators Module Demo Boards | | | |
| ● MAXM17503EVKIT# | Evaluation kit for 60V, 2.5A Integrated Inductor Power Module | 84Y5964 | 31.18 |
| ● MAXM17504EVKIT# | Evaluation kit for 60V, 2.5A Integrated Inductor Power Module | 84Y5966 | 31.18 |
| ● MAXM17505EVKIT# | Evaluation kit for 60V, 2.5A Integrated Inductor Power Module | 84Y5968 | 30.45 |
| ● MAXM17514EVKIT# | EVKIT for 4A 125°C Power Modules | 84Y5970 | 36.08 |
| ● MAXM17515EVKIT# | EVKIT for 5.5V, 5A 125°C Power Modules | 84Y5972 | 36.08 |
| ● MAXM17516EVKIT# | EVKIT for 6A 125°C Power Modules | 84Y5974 | 30.45 |
| ● MAXM17543EVKIT# | Evaluation kit for 60V, 2.5A Integrated Inductor Power Module | 84Y5976 | 34.31 |
| ● MAXM17544EVKIT# | Evaluation kit for 60V, 2.5A Integrated Inductor Power Module | 84Y5978 | 36.08 |
| ● MAXM17545EVKIT# | Evaluation kit for 60V, 2.5A Integrated Inductor Power Module | 84Y5980 | 31.18 |

PIM_5576564

MAXIM - LDO REGULATOR SELECTION



Maxim offers a wide range of high performance LDO ICs (low-dropout linear regulators). An LDO differs from a standard linear voltage regulator in that the LDO can operate with a very small voltage difference between the regulated output voltage level and the unregulated input voltage. Typically an LDO might offer a "dropout" (difference between input and output voltage) of less than 0.3V whereas a standard linear voltage regulator typically offers a dropout voltage of 1 Volt or more. The low dropout voltage makes LDOs a good choice for portable and battery-powered applications. To view Newark's complete offering, please go to www.newark.com

| Mfg. Part No. | Description | Stock No. | Tape Cut 1-9+ |
|-----------------------|---|-----------|------------------|
| LDO Regulators | | | |
| ● MAX15006AATT+T | 40V, Ultra-Low Quiescent-Current Linear Regulators in 6-Pin TDFN/8-Pin SO | 73Y2354 | 3.09 |
| ● MAX1726EUK33+T | 12V, Ultra-Low-IQ, Low-Dropout Linear Regulators | 73Y2615 | 3.71 |
| ● MAX1818EUT33+T | 500mA, Low-Dropout Linear Regulator in SOT23 | 73Y2711 | 2.83 |
| ● MAX603CSA+ | 5V/3.3V or Adjustable, Low-Dropout, Low-IQ, 500mA Linear Regulators | 73Y5157 | 4.20 |
| ● MAX604ESA+T | 5V/3.3V or Adjustable, Low-Dropout, Low-IQ, 500mA Linear Regulators | 73Y5173 | 5.29 |

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MAXIM - LDO REGULATOR SELECTION (CONT.)

| | | | |
|-----------------|--|---------|------|
| ● MAX8902AATA+T | Low-Noise 500mA LDO Regulators in a 2mm x 2mm TDFN Package | 73Y6247 | 3.17 |
|-----------------|--|---------|------|

PIM_5576576

MAXIM - POWER MANAGEMENT SELECTION



Maxim's power-switching products simplify system power management by combining control logic with integrated power MOSFETs or drivers for external MOSFETs. These devices add monitoring and safety features such as overvoltage protection (OVP), short-circuit protection, and overtemperature protection. High-brightness LED drivers are integrated circuits that are optimized to efficiently drive strings of high-brightness LEDs. Maxim's continually expanding portfolio includes products covering the full range of efficient switch-mode topologies (step-down, step-up, SEPIC) as well as some linear LED drivers. Go to www.newark.com to learn more about the complete portfolio.

| Mfg. Part No. | Description | Stock No. | Price Each 1-9+ |
|--------------------------------------|--|-----------|--------------------|
| LED Drivers | | | |
| ● ICM7218BIP+ | 8-Digit, Multiplexed, LED Decoder Driver | 73Y1787 | 9.09 |
| ● MAX6952EAX+ | 4-Wire Interfaced, 2.7V to 5.5V, 4-Digit 5 x 7 Matrix LED Display Driver | 73Y5732 | 17.56 |
| ● MAX6968APE+ | 8-Port, 5.5V Constant-Current LED Driver | 73Y5754 | 4.21 |
| ● MAX6969ANG+ | 16-Port, 5.5V Constant-Current LED Driver | 73Y5756 | 6.56 |
| ● MAX7219CWG+T | Serially Interfaced, 8-Digit, LED Display Drivers | 73Y5834 | 8.90 |
| MOSFET Drivers | | | |
| ● ICL7667CPA+ | Dual-Power MOSFET Driver (Inverting) | 73Y1774 | 4.24 |
| ● MAX4420CPA+ | High-Speed, 6A MOSFET Driver (Noninverting) | 73Y4114 | 2.75 |
| ● MAX4427EPA+ | Dual High-Speed, 1.5A MOSFET Drivers | 73Y4140 | 4.82 |
| ● MAX4427ESA+T | Dual High-Speed, 1.5A MOSFET Drivers | 73Y4141 | 4.69 |
| ● MAX5048CAUT+T | 7A Sink/3A Source Current, 8ns, SOT23, MOSFET Driver | 73Y4680 | 1.19 |
| Motor Driver Reference Design | | | |
| ● MAXREFDES89# | MAXREFDES89#: MAX14871 Full-Bridge DC Motor Driver mbed Shield | 77Y7641 | 49.91 |

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MAXIM - SUPERVISOR AND MONITOR SELECTION



Maxim offers the broadest selection of innovative microprocessor supervisory solutions. To view Newark's complete offering, please go to www.newark.com

| Mfg. Part No. | Description | Stock No. | Price Each 1-9+ |
|---------------------------------|--|-----------|--------------------|
| Supervisors and Monitors | | | |
| ● DS1232LPSN-2+ | Low-Power MicroMonitor Chip | 73Y1130 | 5.03 |
| ● DS1233-15+ | 5V EconoReset | 73Y1137 | 1.25 |
| ● DS1233M-5+ | EconoReset | 73Y1151 | 1.33 |
| ● DS1705ESA+ | 3.3V and 5.0V MicroMonitor | 73Y1336 | 7.60 |
| ● DS1706ESA+ | 3.3V and 5.0V MicroMonitor | 73Y1337 | 3.76 |
| ● DS1708ESA+ | 3.3 and 5.0 Volt MicroMonitor | 73Y1347 | 3.76 |
| ● DS1811-10+ | 5V EconoReset with Open Drain Output | 73Y1433 | 2.43 |
| ● DS1813-5+ | 5V EconoReset with Pushbutton | 73Y1446 | 1.31 |
| ● DS1818-10+ | 3.3V EconoReset with Pushbutton | 73Y1457 | 3.96 |
| ● DS1833-10+ | 5V EconoReset | 73Y1476 | --- |
| ● MAX16997AAUA+ | High-Voltage Watchdog Timers with Adjustable Timeout Delay | 73Y2586 | 2.17 |
| ● MAX6765TTLTD-2T | Automotive Micropower Linear Regulators with Supervisor | 73Y5659 | 5.95 |

PIM_5576587

MAXIM - VOLTAGE REFERENCE SELECTION



Maxim offers an industry-leading portfolio of shunt and series voltage reference ICs. Maxim was the first to develop a series reference in a 3-pin SC70 and in chip-scale packaging. Maxim's hundreds of voltage references include high-accuracy, low-power, low-noise, and automotive-grade products. To view Newark's complete offering, please go to www.newark.com

| Mfg. Part No. | Description | Stock No. | Tape Cut 1-9+ |
|--------------------------|---|-----------|------------------|
| Voltage Reference | | | |
| ● DS4303R+T&R | Electronically Programmable Voltage Reference | 73Y1642 | 3.54 |
| ● LM4041BIX3-1.2+T | Improved Precision Micropower Shunt Voltage Reference | 73Y1827 | 1.22 |
| ● LM4050BEM3-2.5+T | 50ppm/°C Precision Micropower Shunt Voltage References with Multiple Reverse Breakdown Voltages | 73Y1835 | 4.19 |
| ● MAX6001EUR+T | Low-Cost, Low-Power, Low-Dropout, SOT23-3 Voltage References | 73Y5125 | 1.36 |
| ● MAX6003EUR+T | Low-Cost, Low-Power, Low-Dropout, SOT23-3 Voltage References | 73Y5126 | 1.26 |
| ● MAX6006AEUR+T | 1µA SOT23 Precision Shunt Voltage Reference | 73Y5130 | 2.16 |
| ● MAX6007AEUR+T | 1µA SOT23 Precision Shunt Voltage Reference | 73Y5134 | 2.52 |
| ● MAX6035AAUR50+T | High-Supply-Voltage, Precision Voltage Reference in SOT23 | 73Y5165 | 2.63 |
| ● MAX6070AAUT25+T | Low-Noise, High-Precision Series Voltage References | 73Y5187 | 2.63 |

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