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Analog and Interface Product Selector Guide

*Thermal Management • Motor Driver • Interface and Networking Peripherals
Power Management • Linear and Mixed Signal • CO and Smoke Detector ICs*



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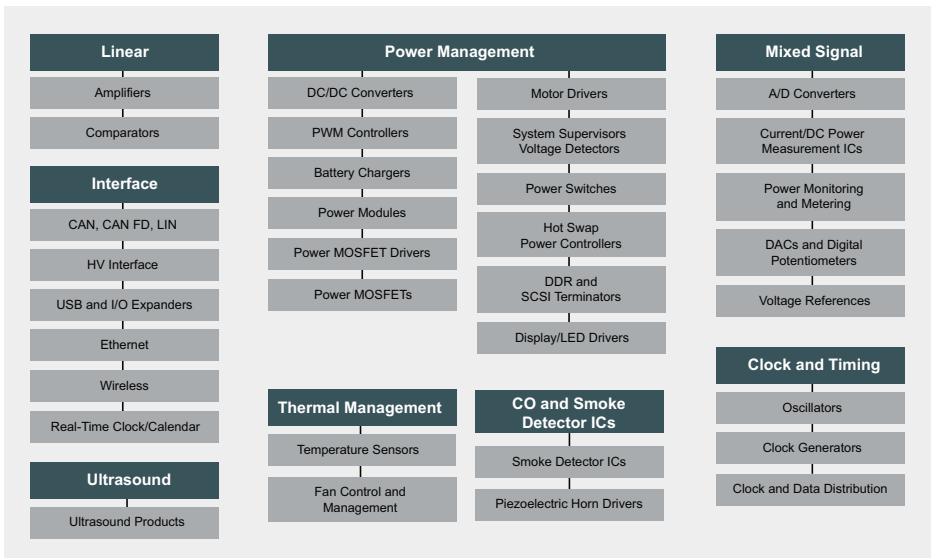
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THERMAL MANAGEMENT

THERMAL MANAGEMENT: Temperature Sensors							
Part #	Typical Accuracy (°C)	Maximum Accuracy @ 25°C (°C)	Maximum Temperature Range (°C)	Vcc Range (V)	Maximum Supply Current (µA)	Features	Packages
Logic Output Temperature Sensors							
TC6501	±0.5	±3	-55 to +125	+2.7 to +5.5	40	Cross to MAX6501, open-drain	5-pin SOT-23A
TC6502	±0.5	±3	-55 to +125	+2.7 to +5.5	40	Cross to MAX6502, push-pull	5-pin SOT-23A
TC6503	±0.5	±3	-55 to +125	+2.7 to +5.5	40	Cross to MAX6503, open-drain	5-pin SOT-23A
TC6504	±0.5	±3	-55 to +125	+2.7 to +5.5	40	Cross to MAX6504, push-pull	5-pin SOT-23A
TC620	±1	±3	-40 to +125	+4.5 to +18	400	Two resistor-programmable trip points	8-pin PDIP, 8-pin SOIC
TC621	Note 1	Note 1	-40 to +85	+4.5 to +18	400	Requires external thermistor, resistor-programmable trip points	8-pin PDIP, 8-pin SOIC
TC622	±1	±5	-40 to +125	+4.5 to +18	600	Dual output, TO-220 for heat sink mounting, resistor-programmable trip points	8-pin PDIP, 8-pin SOIC, 5-pin TO-220
TC623	±1	±3	-40 to +125	+2.7 to +4.5	250	Two resistor-programmable trip points	8-pin PDIP, 8-pin SOIC
TC624	±1	±5	-40 to +125	+2.7 to +4.5	300	Dual output, resistor-programmable trip points	8-pin PDIP, 8-pin SOIC
MCP9501	±1	±4	-40 to +125	+2.7 to +5.5	40	Active-High, Push-Pull Output, Rising Temperature Switch	5-pin SOT-23
MCP9502	±1	±4	-40 to +125	+2.7 to +5.5	40	Active-Low, Open Drain Output, Rising Temperature Switch	5-pin SOT-23
MCP9503	±1	±4	-40 to +125	+2.7 to +5.5	40	Active-High, Push-Pull Output, Falling Temperature Switch	5-pin SOT-23
MCP9504	±1	±4	-40 to +125	+2.7 to +5.5	40	Active-Low, Open Drain Output, Falling Temperature Switch	5-pin SOT-23
MCP9509	±0.5	NS	-40 to +125	+2.7 to +5.5	50	Resistor-programmable temperature switch	5-pin SOT-23
MCP9510	±0.5	NS	-40 to +125	+2.7 to +5.5	80	Resistor-programmable temperature switch	6-pin SOT-23
Voltage Output Temperature Sensors							
MCP9700	±1	±4	-40 to +125	+2.3 to +5.5	12	Linear Active Thermistor® IC, Temperature slope: 10 mV/°C	3-pin TO-92, 5-pin SC-70, 3-pin SOT-23
MCP9701	±1	±4	-40 to +125	+3.1 to +5.5	12	Linear Active Thermistor IC, Temperature slope: 19.53 mV/°C, cross to MAX6612	3-pin TO-92, 5-pin SC-70, 3-pin SOT-23
MCP9700A	±1	±2	-40 to +125	+2.3 to +5.5	12	Linear Active Thermistor IC, Temperature slope: 10 mV/°C	3-pin TO-92, 5-pin SC-70, 3-pin SOT-23
MCP9701A	±1	±2	-40 to +125	+3.1 to +5.5	12	Linear Active Thermistor IC, Temperature slope: 19.53 mV/°C, cross to MAX6612	3-pin TO-92, 5-pin SC-70, 3-pin SOT-23
TC1046	±0.5	±2	-40 to +125	+2.7 to +4.4	60	High precision temperature-to-voltage converter, 6.25 mV/°C	3-pin SOT-23B
TC1047	±0.5	±2	-40 to +125	+2.7 to +4.4	60	High precision temperature-to-voltage converter, 10 mV/°C	3-pin SOT-23B
TC1047A	±0.5	±2	-40 to +125	+2.5 to +5.5	60	High precision temperature-to-voltage converter, 10 mV/°C	3-pin SOT-23B
Serial Output Temperature Sensors							
MCP9800	±0.5	±1	-55 to +125	+2.7 to +5.5	400	SMBus/I ² C compatible interface, 0.0625°C to 0.5°C adj. resolution, Power-saving one-shot temperature measurement	5-pin SOT-23
MCP9801	±0.5	±1	-55 to +125	+2.7 to +5.5	400	SMBus/I ² C compatible interface, 0.0625°C to 0.5°C adj. resolution, Power-saving one-shot temperature measurement, multi-drop capability	8-pin MSOP, 8-pin SOIC
MCP9802	±0.5	±1	-55 to +125	+2.7 to +5.5	400	SMBus/I ² C compatible interface with time out, 0.0625°C to 0.5°C adj. resolution, Power-saving one-shot temperature measurement	5-pin SOT-23
MCP9803	±0.5	±1	-55 to +125	+2.7 to +5.5	400	SMBus/I ² C compatible interface with time out, 0.0625°C to 0.5°C adj. resolution, Power-saving one-shot temperature measurement, Multi-drop capability	8-pin MSOP, 8-pin SOIC
MCP9804	±0.25	±1	-40 to +125	+2.7 to +5.5	400	User programmable temperature limits with alert output, 1°C temp. accuracy from -40°C to +125°C	8-pin MSOP, 8-pin 2 × 3 DFN
MCP9805	±0.5	±1 ⁽²⁾	-20 to +125	+3.0 to +3.6	400	JEDEC-compatible register set, SMBus/I ² C compatible interface, Programmable, Shut-down modes and EVENT output	8-pin TSSOP, 8-pin 2 × 3 DFN
MCP9808	±0.25	±0.5	-40 to +125	+2.7 to +5.5	400	0.5°C temperature accuracy from -10°C to +100°C	8-pin 2 × 3 DFN, 8-pin MSOP
MCP9843	±0.5	±1 ⁽²⁾	-20 to +125	+3.0 to +3.6	500	Compliant to JEDEC TSE3000B3 specification	8-pin TSSOP, 8-pin 2 × 3 DFN, 8-pin 2 × 3 TDFN
MCP98243	±1	±3	-40 to +125	+3.0 to +3.6	500	Serial output temperature sensor with integrated EEPROM (TSE2002B3)	8-pin TSSOP, 8-pin 2 × 3 DFN, 8-pin 2 × 3 TDFN
MCP98244	±0.5	±3	-40 to +125	+1.7 to +3.6	500	Serial output temperature sensor compliant to TSE2004a	8-pin 2 × 3 TDFN
MCP9844	±0.5	±3	-40 to +125	+1.7 to +3.6	500	Serial output temperature sensor with integrated EEPROM (TSE2004a)	8-pin 2 × 3 TDFN
TC77	±0.5	±1	-55 to +125	+2.7 to +5.5	400	SPI-compatible interface, 0.0625°C temperature resolution	5-pin SOT-23A, 8-pin SOIC
TC72	±0.5	±1	-55 to +125	+2.65 to +5.5	400	SPI-compatible interface, Power-saving one-shot temperature measurement, 0.25°C temperature resolution	8-pin MSOP, 8-pin 3 × 3 DFN
TC74	±0.5	±2	-40 to +125	+2.7 to +5.5	350	SMBus/I ² C-compatible interface, 1°C temperature resolution	5-pin SOT-23A, 5-pin TO-220
TCN75A	±0.5	±2	-40 to +125	+2.7 to +5.5	500	SMBus/I ² C-compatible interface, power-saving one-shot temperature measurement, multi-drop capability, 0.0625°C to 0.5°C adjustable temperature resolution	8-pin MSOP, 8-pin SOIC
EMC1001	±0.5	±1.5	-25 to +125	3.0-3.6	50	1.5°C SMBus/I ² C ambient with two alerts	6-pin SOT
AT30TS74	±1	±2	-55 to +125	+1.7 to +5.5	125	SMBus/I ² C compatible interface, 0.0625°C to 0.5°C adj. resolution, power-saving one-shot temperature measurement	8-pin SOIC, 8-pin MSOP, 8-pin 2 × 3 UDFN, 4-ball WLCSP, 5-ball WLCSP
AT30TS75A	±0.5	±1	-55 to +125	+1.7 to +5.5	125	SMBus/I ² C compatible interface, 0.0625°C to 0.5°C adj. resolution, power-saving one-shot temperature measurement	8-pin SOIC, 8-pin MSOP, 8-pin 2 × 3 UDFN
AT30TS750A	±0.5	±1	-55 to +125	+1.7 to +5.5	125	SMBus/I ² C compatible interface, nonvolatile registers to retain user-configured or pre-defined power-up defaults	8-pin SOIC, 8-pin MSOP, 8-pin 2 × 3 UDFN

Note 1: These devices use an external temperature sensor. Accuracy of the total solution is a function of the accuracy of the external sensor.

2: Maximum accuracy measured at 85°C.

THERMAL MANAGEMENT: Temperature Sensors (Continued)

Part #	Typical Accuracy (°C)	Maximum Accuracy @ 25°C (°C)	Maximum Temperature Range (°C)	Vcc Range (V)	Maximum Supply Current (µA)	Features	Packages
Serial Output Temperature Sensors (Continued)							
AT30TSE752A	±0.5	±1	-55 to +125	+1.7 to +5.5	125	SMBus/I ² C compatible interface, nonvolatile registers to retain user-configured or pre-defined power-up defaults, integrated 2 KB serial EEPROM	8-pin SOIC, 8-pin MSOP, 8-pin 2 × 3 UDFN
AT30TSE754A	±0.5	±1	-55 to +125	+1.7 to +5.5	125	SMBus/I ² C compatible interface, nonvolatile registers to retain user-configured or pre-defined power-up defaults, integrated 4 KB serial EEPROM	8-pin SOIC, 8-pin MSOP, 8-pin 2 × 3 UDFN
AT30TSE758A	±0.5	±1	-55 to +125	+1.7 to +5.5	125	SMBus/I ² C compatible interface, nonvolatile registers to retain user-configured or pre-defined power-up defaults, integrated 8 KB serial EEPROM	8-pin SOIC, 8-pin MSOP, 8-pin 2 × 3 UDFN
AT30TSE002B	±1	±3	-40 to +125	+2.7 to +3.6	500	JEDEC (JC42.4) SO-DIMM SPD + TS compliant, SMBus/I ² C compatible interface, integrated 2 KB serial EEPROM	8-pin 2 × 3 UDFN
AT30TSE004A	±0.5	±3	-40 to +125	+1.7 to +3.6	500	JEDEC JC42.4 (TSE2004av) DIMM SPD + TS compliant, SMBus/I ² C compatible interface, integrated 4 KB serial EEPROM	8-pin 2 × 3 UDFN

THERMAL MANAGEMENT PRODUCTS: Temperature Sensors (Continued)

Part #	# of Remote Temp. Sensors	Typical Accuracy (°C)	Maximum Accuracy @ 25°C (°C)	Maximum Temperature Range (°C)	Ambient Temp. Sensor	Alert/THERM	Hardware Shutdown	Vcc Range (V)	Typical Supply Current (µA)	Description and Additional Features	Packages
Serial Output Temperature Sensors with Remote Diode Monitors											
MIC184	1	±1.0	±2.0	-55 to +125	1	1	-	2.7-5.5	340	Local/Remote Thermal Supervisor	8-pin SOIC, 8-pin MSOP
MIC280	1	±1.0	±2.0	-55 to +125	1	1	-	3.0-3.6	230	Precision IttyBitty® Thermal Supervisor	6-pin SOT
MIC281	1	±1.0	±3.0	-55 to +125	0	1	-	3.0-3.6	230	Low-Cost IttyBitty Thermal Supervisor	6-pin SOT
MIC284	1	±1.0	±2.0	-55 to +125	1	2	-	2.7-5.5	350	Two-Zone Thermal Supervisor with CRIT Output	8-pin SOIC, 8-pin MSOP
MIC384	2	±1.0	±2.0	-55 to +125	1	1	-	2.7-5.5	350	Three-Zone Thermal Supervisor	8-pin SOIC, 8-pin MSOP
MCP9902	1	±0.25	±1.0	-40 to +125	1	2	-	3.0-3.6	450	Lower Temperature Dual Temperature Sensor	8-pin WDFN
MCP9903	2	±0.25	±1.0	-40 to +125	1	2	-	3.0-3.6	450	Lower Temperature Triple Temperature Sensor	10-pin 3 × 3 VDFN
MCP9904	3	±0.25	±1.0	-40 to +125	1	2	-	3.0-3.6	450	Lower Temperature Quad Temperature Sensor	10-pin 3 × 3 VDFN
EMC1033	2	±1.0	±3	-40 to +125	1	2	-	3.0-3.6	50	Triple SMBus/I ² C Sensor with Resistance Error Correction (REC)	8-pin MSOP
EMC1043	2	±0.5	±1.0	-40 to +125	1	-	-	3.0-3.6	105	Triple SMBus/I ² C Sensor with REC, Beta Compensation and Hotter of Two Zones	8-pin MSOP
EMC1046	5	±0.25	±1.0	-40 to +125	1	-	-	3.0-3.6	395	Sextuple SMBus/I ² C Sensor with REC, Beta Compensation and Hottest of Thermal Zones	10-pin MSOP
EMC1047	6	±0.25	±1.0	-40 to +125	1	-	-	3.0-3.6	395	Septuple SMBus/I ² C Sensor with REC, Beta Compensation and Hottest of Thermal Zones	10-pin MSOP
EMC1053	2	±0.5	±1.0	-40 to +125	1	-	-	3.0-3.6	105	Triple SMBus/I ² C Sensor with REC and Hotter of Two Zones	8-pin MSOP
EMC1063	2	±0.5	±1.0	-40 to +125	1	-	-	3.0-3.6	105	Triple SMBus/I ² C Sensor with Hotter of Two Zones	8-pin MSOP
EMC1072	1	±0.25	±1.0	-40 to +125	1	2	-	3.0-3.6	430	Dual SMBus/I ² C Sensor with Selectable Address	8-pin MSOP
EMC1073	2	±0.25	±1.0	-40 to +125	1	2	-	3.0-3.6	430	Triple SMBus/I ² C Sensor with Selectable Address	10-pin MSOP
EMC1074	3	±0.25	±1.0	-40 to +125	1	2	-	3.0-3.6	430	Quad SMBus/I ² C Sensor with Selectable Address	10-pin MSOP
EMC1182	1	±0.25	±1.0	-40 to +125	1	2	-	3.0-3.6	200	Dual Channel 1.8V SMBus/I ² C Temperature Sensor with REC, Beta Compensation	8-pin TDFN, 8-pin DFN
EMC1183	2	±0.25	±1.0	-40 to +125	1	2	-	3.0-3.6	200	Triple Channel 1.8V SMBus/I ² C Temperature Sensor with REC, Beta Compensation	10-pin DFN
EMC1184	3	±0.25	±1.0	-40 to +125	1	2	-	3.0-3.6	200	Quad Channel 1.8V SMBus/I ² C Temperature Sensor with REC, Beta Compensation	10-pin DFN
EMC1186	1	±0.25	±1.0	-40 to +125	1	1	1	3.0-3.6	200	Dual Channel 1.8V SMBus/I ² C Sensor with REC, Beta Compensation and Resistor-Settable Hardware Thermal Shutdown	8-pin TDFN
EMC1187	2	±0.25	±1.0	-40 to +125	1	1	1	3.0-3.6	200	Triple Channel 1.8V SMBus/I ² C Sensor with REC, Beta Compensation and Resistor-Settable Hardware Thermal Shutdown	10-pin DFN
EMC1188	3	±0.25	±1.0	-40 to +125	1	1	1	3.0-3.6	200	Quad Channel 1.8V SMBus/I ² C Sensor with REC, Beta Compensation and Resistor-Settable Hardware Thermal Shutdown	10-pin DFN
EMC1412	1	±0.25	±1.0	-40 to +125	1	2	-	3.0-3.6	430	Dual SMBus/I ² C Sensor with REC, Beta Compensation and Selectable Address	8-pin TDFN, 8-pin MSOP
EMC1413	2	±0.25	±1.0	-40 to +125	1	2	-	3.0-3.6	430	Triple SMBus/I ² C Sensor with REC, Beta Compensation and Selectable Address	10-pin DFN, 10-pin MSOP
EMC1414	3	±0.25	±1.0	-40 to +125	1	2	-	3.0-3.6	430	Quad SMBus/I ² C Sensor with REC, Beta Compensation and Selectable Address	10-pin MSOP, 10-pin DFN
EMC1422	1	±0.25	±1.0	-40 to +125	1	1	1	3.0-3.6	430	Dual SMBus/I ² C Sensor with REC, Beta Compensation and Resistor-Settable Hardware Thermal Shutdown	8-pin MSOP
EMC1423	2	±0.25	±1.0	-40 to +125	1	1	1	3.0-3.6	430	Triple SMBus/I ² C Sensor with REC, Beta Compensation and Resistor-Settable Hardware Thermal Shutdown	10-pin MSOP
EMC1424	3	±0.25	±1.0	-40 to +125	1	1	1	3.0-3.6	430	Quad SMBus/I ² C Sensor with REC, Beta Compensation and Resistor-Settable Hardware Thermal Shutdown	10-pin MSOP
EMC1428	7	±0.25	±1.0	-40 to +125	1	1	1	3.0-3.6	450	Octal SMBus/I ² C Sensor REC, Beta Compensation and Resistor-Settable Hardware Thermal Shutdown and Hottest of Thermal Zones	16-pin QFN

Note 1: These devices use an external temperature sensor. Accuracy of the total solution is a function of the accuracy of the external sensor.

2: Maximum accuracy measured at 85°C.

3: TCN75 idle current is 250 mA. This device also has a Software Shutdown mode that reduces supply current to < 1 mA.

THERMAL MANAGEMENT: Sensor Conditioning ICs							
Part #	Typical Tc Accuracy	Typical Th Accuracy	Max. Temp. Range (°C)	Vcc Range (V)	Max. Supply Current (µA)	Features	Packages
MCP9600	1	1	-40 to +125	+2.7 to +5.5	500	Fully integrated thermocouple EMF to temperature converter. Supports thermocouple K, J, T, N, S, E B and R	5 × 5 MQFN

THERMAL MANAGEMENT: Open-Loop Fan Controllers and Fan Fault Detectors									
Part #	Description	# of Temp. Monitors	Typical Accuracy (°C)	Maximum Accuracy @ 25°C (°C)	Maximum Temperature Range (°C)	Vcc Range (V)	Maximum Supply Current (µA)	Features	Packages
EMC2101	Single SMBus I ² C Fan Manager	2	±0.5	±1	-40 to +125	+3.0 to +3.6	1,000	Fan Controller with high-frequency PWM driver, programmable fan speed table and alert	8-pin MSOP, 8-pin SOIC
EMC2300	Triple SMBus I ² C Fan Manager	3	±0.25	±3	-0 to +70	+3.0 to +3.6	3,000	Fan Controller with high-frequency PWM driver, programmable fan speed table, voltage monitors, alert	16-pin SSOP
EMC6D103S	Triple SMBus I ² C Fan Manager	3	±0.25	±3	-0 to +70	+3.0 to +3.6	3,000	Fan Controller with high-frequency PWM driver, programmable fan speed table, voltage monitors, alert	24-pin SSOP1
TC642	Fan Manager	1	Note 1	Note 1	-40 to +85	+3.0 to +5.5	1,000	FanSense™ Fan Monitor, Minimum fan speed control	8-pin PDIP, 8-pin SOIC, 8-pin MSOP
TC642B	Fan Manager	1	Note 1	Note 1	-40 to +85	+3.0 to +5.5	400	FanSense Fan Monitor, Minimum fan speed control, Fan auto-restart	8-pin PDIP, 8-pin SOIC, 8-pin MSOP
TC646	Fan Manager	1	Note 1	Note 1	-40 to +85	+3.0 to +5.5	1,000	FanSense Fan Monitor, Auto-shutdown	8-pin PDIP, 8-pin SOIC, 8-pin MSOP
TC646B	Fan Manager	1	Note 1	Note 1	-40 to +85	+3.0 to +5.5	400	FanSense Fan Monitor, Auto-shutdown, Fan auto-restart	8-pin PDIP, 8-pin SOIC, 8-pin MSOP
TC647	Fan Manager	1	Note 1	Note 1	-40 to +85	+3.0 to +5.5	1,000	FanSense Fan Monitor, Minimum fan speed control	8-pin PDIP, 8-pin SOIC, 8-pin MSOP
TC647B	Fan Manager	1	Note 1	Note 1	-40 to +85	+3.0 to +5.5	400	FanSense Fan Monitor, Minimum fan speed control, Fan auto-restart	8-pin PDIP, 8-pin SOIC, 8-pin MSOP
TC648	Fan Manager	1	Note 1	Note 1	-40 to +85	+3.0 to +5.5	1,000	Overtemperature alert, Auto-shutdown	8-pin PDIP, 8-pin SOIC, 8-pin MSOP
TC648B	Fan Manager	1	Note 1	Note 1	-40 to +85	+3.0 to +5.5	400	Overtemperature alert, Auto-shutdown, Fan auto-restart	8-pin PDIP, 8-pin SOIC, 8-pin MSOP
TC649	Fan Manager	1	Note 1	Note 1	-40 to +85	+3.0 to +5.5	1,000	FanSense Fan Monitor, Auto-shutdown	8-pin PDIP, 8-pin SOIC, 8-pin MSOP
TC649B	Fan Manager	1	Note 1	Note 1	-40 to +85	+3.0 to +5.5	400	FanSense Fan Monitor, Auto-shutdown, Fan auto-restart	8-pin PDIP, 8-pin SOIC, 8-pin MSOP
TC650	Fan Manager	1	±1	±3	-40 to +125	+2.8 to +5.5	90	Overtemperature alert	8-pin MSOP
TC651	Fan Manager	1	±1	±3	-40 to +125	+2.8 to +5.5	90	Overtemperature alert, Auto-shutdown	8-pin MSOP
TC652	Fan Manager	1	±1	±3	-40 to +125	+2.8 to +5.5	90	FanSense Fan Monitor, Overtemperature alert	8-pin MSOP
TC653	Fan Manager	1	±1	±3	-40 to +125	+2.8 to +5.5	90	FanSense Fan Monitor, Overtemperature alert, Auto-shutdown	8-pin MSOP
TC654	Dual SMBus Fan Manager	1	Note 1	Note 1	-40 to +85	+3.0 to +5.5	320	FanSense Fan Monitor, RPM data	10-pin MSOP
TC655	Dual SMBus Fan Manager	1	Note 1	Note 1	-40 to +85	+3.0 to +5.5	320	FanSense Fan Monitor, RPM data, Overtemperature alert	10-pin MSOP
TC664	Single SMBus Fan Manager	1	Note 1	Note 1	-40 to +85	+3.0 to +5.5	320	FanSense Fan Monitor, RPM data	10-pin MSOP
TC665	Single SMBus Fan Manager	1	Note 1	Note 1	-40 to +85	+3.0 to +5.5	320	FanSense Fan Monitor, RPM data, Overtemperature alert	10-pin MSOP
TC670	Predictive Fan Fault Detector	1	N/A	N/A	-40 to +85	+3.0 to +5.5	150	FanSense Fan Monitor, Programmable threshold	6-pin SOT-23

Note 1: These devices use an external temperature sensor. Accuracy of the total solution is a function of the accuracy of the external sensor.

THERMAL MANAGEMENT: Closed-Loop Fan Controllers with SMBus/I ² C Interface													
Part #	# of Fan Drivers	PWM/Linear Control	# of Remote Temp. Monitors	Ambient Temp. Sensor	Typical Accuracy (°C)	Maximum Accuracy @ 25°C (°C)	Maximum Temperature Range (°C)	Vcc Range (V)	SMBus Alert	System Shutdown	Voltage Monitors	Description	Packages
EMC2112	1	Linear	3	1	±0.25	±1.0	0 to +85	+3.3 and +5	Yes	Yes	No	RPM-Based Fan Controller with Hardware Thermal Shutdown	20-pin QFN
EMC2103-1	1	PWM	1	1	±0.5	±1.0	-40 to +125	+3.0 to +3.6	Yes	Yes	No	RPM-Based Fan Controller with Hardware Thermal Shutdown	12-pin QFN
EMC2103-2	1	PWM	3	1	±0.5	±1.0	-40 to +125	+3.0 to +3.6	Yes	Yes	No	RPM-Based Fan Controller with Hardware Thermal Shutdown	16-pin QFN
EMC2103-4	1	PWM	3	1	±0.5	±1.0	-40 to +125	+3.0 to +3.6	Yes	Yes	No	RPM-Based Fan Controller with Hardware Thermal Shutdown and EEPROM loadable	16-pin QFN
EMC2104	2	PWM	4	1	±0.25	±1.0	-40 to +85	+3.0 to +3.6	Yes	Yes	Yes	Dual RPM-Based PWM Fan Controller with Hardware Thermal Shutdown	20-pin QFN
EMC2105	1	Linear	4	1	±0.25	±1.0	-40 to +85	+3.3 and +5.0	Yes	Yes	Yes	RPM-Based High-Side Fan Controller with Hardware Thermal Shutdown	20-pin QFN
EMC2106	2	PWM & Linear	4	1	±0.25	±1.0	-40 to +85	+3.3 and +5.0	Yes	Yes	Yes	RPM-Based High Side Fan Controller with Hardware Thermal Shutdown	28-pin QFN
EMC2113	1	PWM	3	1	±0.5	±1.0	-40 to +125	+3.0 to +3.6	Yes	Yes	No	Single RPM-Based Fan Controller with Multiple Temperature Zones and Hardware Thermal Shutdown	16-pin QFN
EMC2301	1	PWM	N/A	N/A	N/A	N/A	-40 to +125	+3.0 to +3.6	Yes	No	N/A	Single RPM-Based PWM Fan Speed Controller	8-pin MSOP
EMC2302	2	PWM	N/A	N/A	N/A	N/A	-40 to +125	+3.0 to +3.6	Yes	No	N/A	Dual RPM-Based PWM Fan Speed Controller	10-pin MSOP
EMC2303	3	PWM	N/A	N/A	N/A	N/A	-40 to +125	+3.0 to +3.6	Yes	No	N/A	Triple RPM-Based PWM Fan Speed Controller	12-pin QFN
EMC2305	5	PWM	N/A	N/A	N/A	N/A	-40 to +125	+3.0 to +3.6	Yes	No	N/A	Penta RPM-Based PWM Fan Speed Controller	16-pin QFN

MOTOR DRIVERS

MOTOR DRIVERS: Stepper Motors, DC Motors and 3-Phase BLDC Motors										
Part #	Motor Type	Input Voltage Range (V)	Internal/External FETs	Output Current (mA)	Control Scheme	Motor Speed Output	Protections	Temperature Operating Range (°C)	Features	Packages
ATA6826C	DC Motor	7 to 40	Internal	1000	SPI	N/A	Short Circuit, Overtemperature, Power Supply Fail	-40 to +125	3 half bridge outputs, No shoot-through, Very low quiescent current <2 µA	S014
ATA6831C	DC Motor	7 to 40	Internal	1000	SPI	N/A	Short Circuit, Overtemperature, Power Supply Fail	-40 to +125	3 half bridge outputs, No shoot-through, Very low quiescent current <2 µA, PWM input	18-pin 4 × 4 QFN
ATA6832C	DC Motor	7 to 40	Internal	1000	SPI	N/A	Short Circuit, Overtemperature, Power Supply Fail	-40 to +150	3 half bridge outputs, No shoot-through, Very low quiescent current <2 µA, PWM input	18-pin 4 × 4 QFN
ATA6836C	DC Motor	7 to 40	Internal	650	SPI	N/A	Short Circuit, Overtemperature, Power Supply Fail	-40 to +125	6 half bridge outputs, No shoot-through, Very low quiescent current <2 µA	24-pin 5 × 5 QFN
ATA6838C	DC Motor	7 to 40	Internal	950	SPI	N/A	Short Circuit, Overtemperature, Power Supply Fail	-40 to +125	6 half bridge outputs, No shoot-through, Very low quiescent current <2 µA	S028
ATA6823C	DC Motor	7 to 20	External	100	PWM, DIR	N/A	Short Circuit, Overtemperature, Over/Under Voltage, Chargepump Fail	-40 to +125	Dead time adjust, Charge pump supply for external battery reverse protection NMOS, LDO 3V3/5V, Window Watchdog, LIN TRX, Sleep mode <45µA	24-pin 5 × 5 QFN
ATA6824C	DC Motor	7 to 20	External	100	PWM, DIR	N/A	Short Circuit, Overtemperature, Over/Under Voltage, Chargepump Fail	-40 to +150	Dead time adjust, Charge pump supply for external battery reverse protection NMOS, LDO 3V3/5V, Window Watchdog, HV interface	32-pin 7 × 7 QFN
ATA6843	3-Phase Brushless Motor	5.5 to 32	External	100	Direct PWM	N/A	Short Circuit, Overtemperature, Over/Under Voltage, Chargepump Fail	-40 to +125	Charge pump supply for external battery reverse protection NMOS, Dead time adjust, LDO 3V3/5V, Window Watchdog, LIN TRX, Sleep mode <45µA	32-pin 7 × 7 TQFP
ATA6844	3-Phase Brushless Motor	5.5 to 32	External	100	Direct PWM	N/A	Short Circuit, Overtemperature, Over/Under Voltage, Chargepump Fail	-40 to +150	Charge pump supply for external battery reverse protection NMOS, Dead time adjust, LDO 3V3/5V, Window Watchdog, LIN TRX, Sleep mode <45 µA	48-pin 7 × 7 QFN
MCP8024	3-Phase Brushless Motors	6.0 to 28.0	External	500	Direct PWM	N/A	UVLO, OVLO, 48V Load Dump, Thermal Shutdown, Overcurrent Output	-40 to +150	Three Op Amps, Adj. Buck Regulator, 5V LDO, 12V LDO, Thermal Warning, Dead Time, Blanking Time, Level Translator, Motor Enable	48-pin 7 × 7 QFN
MCP8025	3-Phase Brushless Motor	6.0 to 19.0	External	500	Direct PWM	No	Overcurrent, Overvoltage, Undervoltage, Overtemperature, 48V Load Dump Protection, Short Circuit, Shoot Through	-40 to +150	Sleep Mode, LIN Transceiver, AZ Output, Adj. Buck Regulator, LOD, Op Amp, Overcurrent Comparator, Fault Output, Thermal Warning, Selectable Dead Time and Blanking Time	40-pin 5 × 5 QFN, 48-pin 7 × 7 TQFP
MCP8026	3-Phase Brushless Motor	6.0 to 28.0	External	500	Direct PWM	No	Overcurrent, Overvoltage, Undervoltage, Overtemperature, 48V Load Dump Protection, Short Circuit, Shoot Through	-40 to +150	Sleep Mode, LIN Transceiver, AZ Output, Adj. Buck Regulator, LOD, Op Amp, Overcurrent Comparator, Fault Output, Thermal Warning, Selectable Dead Time and Blanking Time	40-pin 5 × 5 QFN, 48-pin 7 × 7 TQFP
MCP8063	3-Phase Brushless Motor	2.0 to 14.0	Internal	750	Sensorless Sinusoidal	Frequency Generator	Overtemperature, Motor Lock-up, Overcurrent, Overvoltage	-40 to +125	3-Phase BLDC 180° Sinusoidal Sensorless Fan Motor Driver, Overcurrent Limitation, Output Switching Frequency at 23 kHz	Thermally Enhanced 8-pin 4 × 4 DFN
MTS62C19A	One Bipolar Stepper Motor or Two DC Motors	10.0 to 40.0	Internal	750	Direct PWM Input, Current Limit Control, Microstepping	No	Overtemperature, Under Voltage	-40 to +105	Dual Full-Bridge Motor Driver for Stepper Motors, Pin compatible with Allegro 6219	24-pin SOIC
MTS2916A	One Bipolar Stepper Motor or Two DC Motors	10.0 to 40.0	Internal	750	Direct PWM Input, Current Limit Control, Microstepping	No	Overtemperature, Under Voltage	-40 to +105	Dual Full-Bridge Motor Driver for Stepper Motors, Pin compatible with Allegro 2916	24-pin SOIC
MTD6501C	3-Phase Brushless Motor	2.0 to 14.0	Internal	800	Sensorless Sinusoidal	Frequency Generator	Overtemperature, Motor Lock-up, Overcurrent, Overvoltage	-30 to +95	3-Phase BLDC 180° Sinusoidal Sensorless Fan Motor Driver, Overcurrent limitation, Output Switching Frequency at 20 kHz	Thermally Enhanced 8-pin SOP
MTD6501D	3-Phase Brushless Motor	2.0 to 14.0	Internal	500	Sensorless Sinusoidal	Frequency Generator	Overtemperature, Motor Lock-up, Overcurrent, Overvoltage	-30 to +95	3-Phase BLDC 180° Sinusoidal Sensorless Fan Motor Driver, Boost Mode, Overcurrent limitation, Output Switching Frequency at 20 kHz	10-pin MSOP
MTD6501G	3-Phase Brushless Motor	2.0 to 14.0	Internal	800	Sensorless Sinusoidal	Frequency Generator	Overtemperature, Motor Lock-up, Overcurrent, Overvoltage	-30 to +95	3-Phase BLDC 180° Sinusoidal Sensorless Fan Motor Driver, Overcurrent limitation, Output Switching Frequency at 23 kHz	Thermally Enhanced 8-pin SOP
MTD6502B	3-Phase Brushless Motor	2.0 to 5.5	Internal	750	Sensorless Sinusoidal	Frequency Generator	Overtemperature, Motor Lock-up, Overcurrent, Overvoltage	-40 to +125	3-Phase BLDC Sinusoidal Sensorless Fan Motor Driver, Direction control, Overcurrent limitation, Output Switching Frequency at 30 kHz	10-pin 3 × 3 TDFN
MTD6508	3-Phase Brushless Motor	2.0 to 5.5	Internal	750	Sensorless Sinusoidal	Frequency Generator	Overcurrent, Overvoltage, Overtemperature, Motor Lock-up	-40 to +125	180° Sinusoidal Sensorless Drive, Direction Control, Programmable BEMF Coefficient Range, Output Switching Frequency at 30 kHz, Programmable Start-up RPM and Slew Rate, Selectable Start-up Strength and Phase Target Regulation	10-pin 3 × 3 UDFN, 16-pin 4 × 4 UQFN
MTD6505	3-Phase Brushless Motor	2.0 to 5.5	Internal	750	Sensorless Sinusoidal	Frequency Generator	Overcurrent, Overvoltage, Overtemperature, Motor Lock-up	-40 to +125	180° Sinusoidal Sensorless Drive, Direction Control, Programmable BEMF Coefficient Range, Output Switching Frequency at 30 kHz	10-pin 3 × 3 UDFN

POWER MANAGEMENT

POWER MANAGEMENT: Voltage References

Part #	V _{IN} Max (V)	Output Voltage (V)	Max. Load Current (mA)	Initial Accuracy (max.%)	Temperature Coefficient (ppm/°C)	Maximum Supply Current (µA @ 25°C)	Packages
MCP1501	5.5	1.024, 1.250, 1.8, 2.048, 2.5, 3.0, 3.3, 4.096	20	±0.08	50	350	8-pin 2 × 2 WDFN, 6-pin SOT-23, 8-pin SOIC
MCP1525	5.5	2.5	±2	±1	50	100	3-pin TO-92, 3-pin SOT-23B
MCP1541	5.5	4.096	±2	±1	50	100	3-pin TO-92, 3-pin SOT-23B
LM4040C	15	2.5, 4.096, 5.0	15	±0.5	100	65-85	3-pin SOT-23
LM4040D	15	2.5, 4.096, 5.0	15	±1	150	65-85	3-pin SOT-23
LM4041C	15	1.225, Adj. (1.24-10V)	12	±0.5	100	70	3-pin SOT-23
LM4041D	15	1.225, Adj. (1.24-10V)	12	±1	150	70	3-pin SOT-23
MIC40403	10	Adjustable	15	±1	–	70	8-pin SOT-143

POWER MANAGEMENT: Single Output Linear Regulators

Part #	Output Current (mA)	V _{IN} Min (V)	V _{IN} Max (V)	V _{OUT} (V)	Voltage Drop Typical (mV)	IGND Typical (µA)	Output Accuracy (%)	PSRR 1 kHz (dB)	Features	Packages
MIC5231	10	3.5	12	2.75, 3.0, 3.3, 5.0	150	650 nA	±2	50	High Input Voltage, Small Package	5-pin SOT-23
MIC5232	10	2.7	7	1.2, 2.5, 2.8, 3.3	100	1.8 µA	±2	55	7V input	5-pin TSOT, 6-pin VDFN
MAQ5280	25	4.5	120	Adj.	1100	31 µA	±2	80	Ultra High Input Voltage, Load Dump	8-pin SOIC
MIC5280	25	4.5	120	Adj.	1100	31 µA	±2	80	High Input Voltage, Load Dump, Reverse Battery Protection	8-pin SOIC
MIC5281	25	6	120	3.3, 5.0, Adj.	2000	6 µA	±3	90	High Input Voltage, Load Dump	8-pin MSOP
MAQ5281	25	6	120	3.3, 5.0, Adj.	2000	6 µA	±3	90	High Input Voltage, Load Dump	8-pin MSOP
MAQ5282	50	6	120	3.3, 5.0, Adj.	2000	6 µA	±3	90	High Input Voltage, High PSRR	8-pin MSOP
MIC5282	50	6	120	3.3, 5.0, Adj.	2000	6 µA	±3	90	High Input Voltage, Load Dump	8-pin MSOP
TC1014	50	2.7	6	1.8, 2.5, 2.7, 2.8, 2.85, 3.0, 3.3, 3.6, 4.0, 5.0	85	50 µA	±0.5	64	Ultra Low Dropout	5-pin SOT-23
TC1054	50	2.7	6	1.8, 2.5, 2.7, 2.8, 2.85, 3.0, 3.3, 3.6, 4.0, 5.0	85	50 µA	±0.5	64	Ultra Low Dropout	5-pin SOT-23
TC1070	50	2.7	6	1.23-5.5	85	50 µA	±0.5	64	Ultra Low Dropout	5-pin SOT-23
TC1072	50	2.7	6	2.5, 2.7, 2.8, 2.85, 3.0, 3.3, 3.6, 4.0, 5.0	85	50 µA	±0.5	64	Ultra Low Dropout	6-pin SOT-23
TC1223	50	2.7	6	2.5, 2.7, 2.8, 3.0, 3.3, 3.6, 4.0, 5.0	85	50 µA	±0.5	64	Ultra Low Dropout	5-pin SOT-23
TC2014	50	2.7	6	1.8, 2.7, 2.8, 3.0, 3.3	45	50 µA	±0.4	55	Ultra Low Dropout	5-pin SOT-23
TC2054	50	2.7	6	1.8, 2.7, 2.8, 3.0, 3.3	45	55 µA	±0.4	50	Ultra Low Dropout	5-pin SOT-23
MCP1790	70	6	30	3.0, 3.3, 5.0	700	70 µA	±0.2	90	High Input	3-pin SOT-223, 3-pin DPAK
MCP1791	70	6	30	3.0, 3.3, 5.0	700	70 µA	±0.2	90	High Input	5-pin DPAK, 5-pin SOT-223
MIC5203	80	2.5	16	2.6, 2.8, 3.0, 3.3, 3.6, 3.8, 4.0, 4.5, 5.0	300	180 µA	±3	60	High Input Voltage, Small Package	4-pin SOT-143, 5-pin SOT-23
MIC5213	80	2.5	16	2.5, 2.6, 2.7, 2.8, 3.0, 3.3, 3.6, 5.0	280	180 µA	±3	60	High Input Voltage, Small Package	5-pin SC70
TC1016	80	2.7	6	1.8, 2.7, 2.8, 3.0	150	53 µA	±0.5	58	Low Dropout	5-pin SC-70, 5-pin SOT-23
LP2951	100	2	30	4.8, 5.0, Adj.	380	100 µA	±0.5	70	High Input Voltage, High PSRR	8-pin SOIC, 8-pin PDIP
MIC5200	100	2.5	26	3.0, 3.3, 4.8, 5.0	230	130 µA	±1	70	Low Dropout	8-pin MSOP, 3-pin SOT-223, 8-pin SOIC
MIC5233	100	2.3	36	1.8, 2.5, 3.0, 3.3, 5.0, Adj.	270	18 µA	±1	50	High Input Voltage, Reverse Battery and Current Protection	3-pin SOT-223, 5-pin SOT-23
MIC5253	100	2.7	5.5	1.5, 1.8, 1.85, 2.5, 2.6, 2.7, 2.8, 2.9, 3.0, 3.1, 3.2, 3.3	165	75 µA	±0.5	70	Low Dropout	5-pin SC70
MIC5270	100	-2	-16	(-)-3.0, (-)-4.1, (-)-5.0, Adj.	500	35 µA	±2	50	Negative LDO	5-pin SOT-23
MIC5271	100	-3.3	-16	(-)-3.0, (-)-4.1, (-)-5.0, Adj.	500	25 µA	±2	50	Negative LDO	5-pin SOT-23
TC1015	100	2.7	6	1.8, 2.5, 2.7, 2.8, 2.85, 3.0, 3.3, 3.6, 4.0, 5.0	180	50 µA	±0.5	64	Low Dropout	5-pin SOT-23
TC1055	100	2.7	6	1.8, 2.5, 2.7, 2.8, 2.85, 3.0, 3.3, 3.6, 4.0, 5.0	180	50 µA	±0.5	64	Low Dropout	5-pin SOT-23
TC1071	100	2.7	6	1.23-5.5	180	50 µA	±0.5	64	Low Dropout	5-pin SOT-23
TC1073	100	2.7	6	2.5, 2.7, 2.8, 2.85, 3.0, 3.3, 3.6, 4.0, 5.0	180	50 µA	±0.5	64	Low Dropout	6-pin SOT-23

POWER MANAGEMENT: Single Output Linear Regulators (Continued)

Part #	Output Current (mA)	V _{IN} Min (V)	V _{IN} Max (V)	V _{OUT} (V)	Voltage Drop Typical (mV)	IGND Typical (μA)	Output Accuracy (%)	PSRR 1 kHz (dB)	Features	Packages
TC1224	100	2.7	6	2.5, 2.7, 2.8, 3.0, 3.3, 3.6, 4.0, 5.0	180	50 μA	±0.5	64	Low Dropout	5-pin SOT-23
TC2015	100	2.7	6	1.8, 2.7, 2.8, 3.0, 3.3	90	55 μA	±0.4	55	Low Dropout	5-pin SOT-23
TC2055	100	2.7	6	1.8, 2.7, 2.8, 3.0, 3.3	90	55 μA	±0.4	50	Low Dropout	5-pin SOT-23
TC59	100	–	–10	–8	380	3 μA	±0.5	50	Negative LDO	3-pin SOT-23A
TC1188	120	2.7	6	1.8, 2.8, 2.84, 3.15	130	50 μA	±0.5	80	High PSRR	5-pin SOT-23
TC1189	120	2.7	6	1.8, 2.8, 2.84, 3.15	130	50 μA	±0.5	80	High PSRR	5-pin SOT-23
MCP1810	150	2.5	5.5	1.2, 1.8, 2.5, 3.0, 3.3, 4.2	380	0.02 μA	±1	25	Ultra Low I _Q	2 × 2 VDFN
MAQ5283	150	6	120	3.3, 5.0, Adj.	1800	8 μA	±3	75	High Input Voltage, High PSRR	8-pin SOIC
MIC2951	150	2	30	3.3, 5.0	320	120 μA	±1	67	Load Dump, Reverse Battery Protection	8-pin MSOP, 8-pin SOIC, 8-pin PDIP
MIC5205	150	2.5	16	2.5, 2.7, 2.8, 2.85, 2.9, 3.0, 3.1, 3.2, 3.3, 3.6, 3.8, 4.0, 5.0, Adj.	165	80 μA	±1	75	High Input Voltage, Small Package	5-pin SOT-23
MIC5206	150	2.5	16	2.5, 2.7, 3.0, 3.2, 3.3, 3.6, 3.8, 4.0, 5.0, Adj.	165	1.3mA	±1	75	High Input Voltage, Small Package	8-pin MSOP, 5-pin SOT-23
MIC5225	150	2.3	16	1.5, 1.8, 2.5, 2.7, 3.0, 3.3, 5.0, Adj.	310	29 μA	±0.5	35	High Input Voltage, Small Package, Reverse Current Protection	5-pin SOT-23
MIC5234	150	2.3	30	Adj.	320	20 μA	±1	–	High Input Voltage, Load Dump, Reverse Battery and Current Protection	8-pin SOIC
MIC5235	150	2.3	24	1.5, 1.8, 2.5, 2.7, 3.0, 3.3, 5.0, Adj.	310	18 μA	±1	35	High Input Voltage, Reverse Battery and Current Protection	5-pin SOT-23
MIC5236	150	2.3	30	2.5, 3.0, 3.3, 5.0, Adj.	300	20 μA	±1	55	High Input Voltage, Load Dump, Reverse Battery and Current Protection	8-pin MSOP, 8-pin SOIC
MIC5238	150	1.5	6	1.0, 1.1, 1.3	310	23 μA	±5	50	Low Dropout	5-pin TSOT, 5-pin SOT-23
MIC5247	150	2.7	6	1.5, 1.6, 1.8, 1.85, 2.0, 2.1, 2.2, 2.4	150	85 μA	±1	60	Low Dropout	5-pin TSOT, 6-pin VDFN, 5-pin SOT-23
MIC5248	150	2.7	6	1.2	–	100 μA	±3	60	Low Dropout	6-pin VDFN, 5-pin SOT-23
MIC5252	150	2.7	6	1.8, 2.5, 2.8, 2.85, 3.0, 4.75	135	90 μA	±1	60	Low Dropout	6-pin VDFN, 5-pin SOT-23
MIC5255	150	2.7	6	2.5, 2.6, 2.7, 2.75, 2.8, 2.85, 2.9, 3.0, 3.1, 3.2, 3.3, 3.5	135	90 μA	±1	60	Low Dropout	5-pin TSOT, 6-pin VDFN, 5-pin SOT-23
MIC5256	150	2.7	6	1.5, 1.8, 2.5, 2.6, 2.7, 2.8, 2.85, 2.9, 3.0, 3.1, 3.3	135	90 μA	±1	60	Low Dropout	5-pin TSOT, 5-pin SOT-23
MIC5258	150	2.7	6	1.2	–	85 μA	±3	–	Low Dropout	5-pin SOT-23
MIC5265	150	2.7	5.5	1.5, 1.8, 1.85, 2.5, 2.6, 2.7, 2.8, 2.85, 2.9, 3.0, 3.1, 3.2, 3.3	210	75 μA	±2	64	Low Dropout	5-pin TSOT, 6-pin UDFN
MIC5268	150	2.7	6	1.2	–	110 μA	±3	–	Low Dropout	5-pin SOT-23
MIC5283	150	6	120	3.3, 5.0, Adj.	1800	8 μA	±3	75	High Input Voltage, Load Dump	8-pin SOIC, 8-pin VDFN
MIC5295	150	2.3	24	3.0, 3.3, 5.0, Adj.	310	18 μA	±1	50	Reverse Battery and Current Protection	5-pin TO-252
MIC5301	150	2.3	5.5	1.3, 1.5, 1.8, 2.1, 2.5, 2.6, 2.8, 2.85, 2.9, 3.0, 3.3, 4.6, Adj.	40	85 μA	±2	75	Ultra Low Dropout	5-pin TSOT, 6-pin UDFN, 6-pin WDFN
MIC5302	150	2.3	5.5	1.3, 1.5, 1.8, 2.1, 2.5, 2.6, 2.8, 2.85, 2.9, 3.0, 3.3, 4.6	50	85 μA	±2	65	Ultra Low Dropout	4-pin UDFN
MIC5304	150	2.3	5.5	3.15/1.85, 3.15/1.875, 3.2/1.8	85	24 μA	±0.5	65	Ultra Low Dropout	6-pin UDFN
MIC5305	150	2.25	5.5	1.5, 1.8, 2.0, 2.5, 2.6, 2.7, 2.8, 2.85, 2.9, 3.0, 3.3, 4.6, 4.75, Adj.	60	90 μA	±1	85	Ultra Low Dropout	5-pin TSOT, 6-pin UDFN, 6-pin VDFN
MIC5306	150	2.25	5.5	1.8, 2.5, 2.6	45	16 μA	±1	62	Ultra Low Dropout	5-pin TSOT
MIC5308	150	1.6	5.5	1.2, 1.5, 1.8, Adj.	45	23 μA	±2	90	Ultra Low Dropout, Ultra High PSRR	6-pin TSOT, 6-pin UDFN
MIC5317	150	2.5	6	1.0, 1.2, 1.5, 1.8, 2.5, 2.8, 3.0, 3.3	155	32 μA	±2	80	High PSRR	5-pin TSOT, 4-pin UDFN, 5-pin SOT-23
MIC5365	150	2.5	5.5	1.5, 1.8, 2.0, 2.5, 2.6, 2.7, 2.8, 2.85, 2.9, 3.0, 3.3	155	32 μA	±2	80	High PSRR	5-pin SC70, 5-pin TSOT, 4-pin UDFN
MIC5366	150	2.5	5.5	1.5, 1.8, 2.0, 2.5, 2.6, 2.7, 2.8, 2.85, 2.9, 3.0, 3.3	155	32 μA	±2	80	High PSRR	5-pin SC70, 4-pin UDFN
MIC5376	150	2.5	5.5	2.8	120	29 μA	±2	60	Low Dropout	5-pin SC70, 4-pin UDFN

POWER MANAGEMENT: Single Output Linear Regulators (Continued)

Part #	Output Current (mA)	V _{IN} Min (V)	V _{IN} Max (V)	V _{OUT} (V)	Voltage Drop Typical (mV)	IGND Typical (μA)	Output Accuracy (%)	PSRR 1 kHz (dB)	Features	Packages
MIC5377	150	2.5	5.5	Adj.	120	29 μA	±2	60	Low Dropout	5-pin SC70, 8-pin UQFN
MIC5378	150	2.5	5.5	Adj.	120	29 μA	±2	60	Low Dropout	5-pin SC70, 8-pin UQFN
MCP1711	150	1.4	6	1.1–5.0	670	0.6 μA	±1	–	Ultra Low I _q , Capless	4-pin UQFN, 5-pin SOT-23
MCP1754	150	3.6	16	1.8–5.0	300	56 μA	±0.4	72	High Performance	8-pin DFN, 5-pin SOT-223, 5-pin SOT-23
MCP1754S	150	3.6	16	1.8–5.0	300	56 μA	±0.2	72	High Performance	3-pin SOT-89, 3-pin SOT-23A, 3-pin SOT-223, 8-pin DFN
MCP1804	150	2	28	1.8–18	300	50 μA	±2	50	High Input	3-pin SOT-89, 5-pin SOT-89, 3-pin SOT-223, 5-pin SOT-23
TC1017	150	2.7	6	1.8, 2.6, 2.7, 2.8, 2.85, 2.9, 3.0, 3.3, 4.0	285	53 μA	±0.5	58	Low Dropout	5-pin SC-70, 5-pin SOT-23
TC1185	150	2.7	6	1.8, 2.5, 2.7, 2.8, 2.85, 3.0, 3.3, 3.6, 4.0, 5.0	270	50 μA	±0.5	64	Low Dropout	5-pin SOT-23
TC1186	150	2.7	6	1.8, 2.5, 2.7, 2.8, 2.85, 3.0, 3.3, 3.6, 4.0, 5.0	270	50 μA	±0.5	64	Low Dropout	5-pin SOT-23
TC1187	150	2.7	6	1.23–5.5	270	50 μA	±0.5	64	Low Dropout	5-pin SOT-23
TC2185	150	2.7	6	1.8, 2.7, 2.8, 3.0, 3.3	140	55 μA	±0.4	55	High Accuracy	5-pin SOT-23
TC2186	150	2.7	6	1.8, 2.7, 2.8, 3.0, 3.3	140	55 μA	±0.4	50	High Accuracy	5-pin SOT-23
MIC5207	180	2.5	16	1.8, 2.5, 2.8, 2.9, 3.0, 3.1, 3.2, 3.3, 4.0, 5.0, Adj.	165	80 μA	±3	75	High Input Voltage, Small Package	5-pin TSOT, 5-pin SOT-23
MIC5201	200	2.5	26	3.0, 3.3, 4.8, 5.0, Adj.	270	130 μA	±2	75	Low Dropout	8-pin MSOP, 3-pin SOT-223, 8-pin SOIC
MIC5367	200	2.5	5.5	1.2, 1.5, 3.3	180	29 μA	±2	65	Low Dropout	6-pin UDFN
MIC5368	200	2.5	5.5	1.2, 1.5, 3.3	180	29 μA	±1	65	Low Dropout	6-pin UDFN
MIC94300	200	1.8	3.6	Input Follower	170	138 μA	–	0	RippleBlocker	4-pin UDFN
MIC94310	200	1.8	3.6	1.2, 1.5, 1.8, 1.85, 2.5, 2.7, 2.8, 2.85, 3.0, 3.3	40	170 μA	±1	85	RippleBlocker	4-pin UDFN, 5-pin SOT-23
MIC2954	250	2	30	5.0, Adj.	375	140 μA	±1	–	Load Dump	3-pin SOT-223, 3-pin TO-220, 8-pin SOIC
MCP1700	250	2.3	6	1.8, 2.5, 3.0, 3.3, 5.0	300	1.6 μA	±0.4	44	Low I _q	3-pin TO-92, 3-pin SOT-89, 3-pin SOT-23, 6-pin DFN
MCP1702	250	2.7	13.2	1.2, 1.5, 1.8, 2.5, 2.8, 3.0, 3.3, 4.0, 5.0	625	2 μA	±0.4	44	Low I _q	3-pin TO-92, 3-pin SOT-89, 3-pin SOT-23A
MCP1703A	250	2.7	16	1.2–5.5	625	2 μA	±0.4	35	High Input, Low I _q	3-pin SOT-89, 3-pin SOT-23A, 3-pin SOT-223, 8-pin DFN
MAQ5300	300	2.3	5.5	1.5, 1.8, 2.5, 2.8, 2.85, 3.0, 3.3	100	85 μA	±2	65	Low Dropout	6-pin VDFN
MIC5249	300	2.7	6	1.5, 1.8, 2.5, 2.8, 2.85, 3.0, 3.3	340	85 μA	±1	65	High PSRR	8-pin MSOP
MIC5259	300	2.7	6	1.5, 1.8, 2.1, 2.5, 2.8, 2.85, 3.0, 3.3	300	105 μA	±0.5	70	Low Dropout	5-pin TSOT, 6-pin VDFN
MIC5303	300	2.3	5.5	1.5, 1.8, 2.1, 2.5, 2.6, 2.8, 2.85, 2.9, 3.0, 3.3	100	85 μA	±2	65	Ultra Low Dropout	4-pin UDFN
MIC5307	300	2.4	5.5	1.5, 1.8, 2.8, 3.0	120	20 μA	±1	62	Low Dropout	5-pin TSOT
MIC5309	300	1.7	5.5	1.2, 1.5, 1.8, Adj.	100	23 μA	±2	90	Ultra High PSRR	6-pin TSOT, 6-pin UDFN
MIC5318	300	2.3	6	1.5, 1.8, 2.5, 2.8, 3.3, Adj.	110	85 μA	±2	75	High PSRR	5-pin TSOT, 6-pin UDFN
MIC5323	300	2.65	5.5	1.8, 2.8, 3.3, Adj.	120	90 μA	±2	80	High PSRR	5-pin TSOT, 6-pin UDFN
MIC5327	300	2.3	5.5	1.8, 2.8	180	24 μA	±0.5	60	High PSRR	4-pin UDFN
MIC5337	300	2.3	5.5	1.8, 2.8	180	24 μA	±0.5	65	High PSRR	4-pin UDFN
MIC5353	300	2.6	6	1.8, 2.5, 2.6, 2.8, 3.0, 3.3, Adj.	160	90 μA	±2	60	Low Dropout	6-pin UDFN
MIC5363	300	2.5	5.5	1.2, 2.1, 2.8, 3.3	225	38 μA	±2	80	High PSRR	6-pin UDFN
MIC5364	300	2.5	5.5	1.2, 2.1, 2.8, 3.3	225	38 μA	±2	80	High PSRR	6-pin UDFN
MIC5501	300	2.5	5.5	1.2, 1.8, 2.8, 3.0, 3.3	160	38 μA	±2	60	Low Dropout	4-pin UDFN, 5-pin SOT-23
MIC5502	300	2.5	5.5	1.2, 1.8, 2.8, 3.0, 3.3	160	38 μA	±2	60	Low Dropout	4-pin UDFN
MIC5503	300	2.5	5.5	1.2, 1.8, 2.8, 3.0, 3.3	160	38 μA	±2	60	Low Dropout	4-pin UDFN
MIC5504	300	2.5	5.5	1.2, 1.8, 2.8, 3.0, 3.1, 3.3	160	38 μA	±2	60	Low Dropout	4-pin UDFN, 5-pin SOT-23
MIC5512	300	2.5	5.5	1.2, 1.8, 2.8, 3.3	160	38 μA	±2	65	Low Dropout	6-pin UDFN
MIC5514	300	2.5	5.5	1.2, 1.8, 2.8, 3.0, 3.3	160	38 μA	±2	65	Low Dropout	6-pin UDFN

POWER MANAGEMENT: Single Output Linear Regulators (Continued)

Part #	Output Current (mA)	V _{IN} Min (V)	V _{IN} Max (V)	V _{OUT} (V)	Voltage Drop Typical (mV)	I _{IGND} Typical (µA)	Output Accuracy (%)	PSRR 1 kHz (dB)	Features	Packages
MCP1755	300	3.6	16	1.8–5.5	300	68 µA	±0.85	80	High Input, Low Dropout	3-pin SOT-223, 8-pin DFN, 5-pin SOT-223, 5-pin SOT-23
MCP1755S	300	3.6	16	1.8–5.5	300	68 µA	±0.85	80	Low Dropout	3-pin SOT-223, 8-pin DFN
MCP1824	300	2.1	6	0.8, 1.2, 1.8, 2.5, 3.0, 3.3, 5.0	200	120 µA	±0.4	55	High Accuracy	5-pin SOT-223, 5-pin SOT-23
MCP1824S	300	2.1	6	0.8, 1.2, 1.8, 2.5, 3.0, 3.3, 5.0	200	120 µA	±0.4	55	High Accuracy	3-pin SOT-223,
TC1107	300	2.7	6	2.5, 2.7, 2.8, 3.0, 3.3, 5.0	240	50 µA	±0.5	60	Low Dropout	8-pin MSOP, 8-pin SOIC 150mil
TC1108	300	2.7	6	2.5, 2.7, 2.8, 3.0, 3.3, 5.0	240	50 µA	±0.5	60	Low Dropout	3-pin SOT-223
TC1173	300	2.7	6	3.3, 5.0, 2.5, 2.7, 2.8, 3.0	240	50 µA	±0.5	60	Low Dropout	8-pin MSOP, 8-pin SOIC 150mil
TC1174	300	2.7	6	1.23–5.5	270	50 µA	±0.5	60	Low Dropout	8-pin MSOP, 8-pin SOIC 150mil
TC1269	300	2.7	6	2.5, 2.8, 3.0, 3.3, 5.0	240	50 µA	±0.5	50	Low Dropout	8-pin MSOP
TC1300	300	2.7	6	2.5, 2.7, 2.8, 2.85, 3.0, 3.3	210	80 µA	±0.5	60	Low Dropout	8-pin MSOP
MIC29201	400	2	26	3.3, 4.8, 5.0, 12	400	140 µA	±1	70	Load Dump, Reverse Battery Protection	5-pin TO-220, 5-pin DDPACK, 8-pin SOIC
MIC29202	400	2	26	Adj.	400	140 µA	±1	70	Load Dump, Reverse Battery Protection	5-pin TO-220, 5-pin DDPACK
MIC29204	400	2	26	5.0, Adj.	400	140 µA	±1	70	Load Dump, Reverse Battery Protection	8-pin SOIC, 8-pin PDIP
MIC2920A	400	2	26	3.3, 4.8, 5.0, 12	400	140 µA	±1	70	Load Dump, Reverse Battery Protection	3-pin SOT-223, 3-pin TO-220
MIC5325	400	1.7	5.5	1.2, 1.5, 1.8, 3.3, 3.6	110	35 µA	±2	65	Low Noise	6-pin UDFN
MIC47050	500	1	3.6	1.2, 1.8, Adj.	44	6 µA	±0.5	50	Ultra Low Dropout	6-pin UDFN, 6-pin VDFN
MIC47053	500	1	3.6	Adj.	44	6 µA	±2	55	Ultra Low Dropout	8-pin UDFN
MIC5209	500	2.5	16	1.8, 2.5, 3.0, 3.3, 3.6, 4.2, 5.0, Adj.	350	8 mA	±1	75	High Input Voltage, Small Package	8-pin SOIC, 3-pin SOT-223, 8-pin VDFN, 5-pin DDPACK
MIC5216	500	2.5	12	2.5, 3.3, 3.6, 5.0	300	8 mA	±1	75	High Input Voltage, Small Package	8-pin MSOP, 5-pin SOT-23
MIC5219	500	2.5	12	2.5, 2.6, 2.7, 2.8, 2.85, 2.9, 3.0, 3.1, 3.3, 3.6, 5.0, Adj.	350	12 mA	±1	75	High Input Voltage, Small Package	8-pin MSOP, 6-pin UDFN, 6-pin VDFN, 5-pin SOT-23
MIC5237	500	2.5	16	2.5, 3.3, 5.0	300	8 mA	±3	75	High Input Voltage, Reverse Battery Protection	3-pin TO-263, 3-pin TO-220
MIC5239	500	2.3	30	1.5, 1.8, 2.5, 3.0, 3.3, 5.0, Adj.	350	23 µA	±1	50	Reverse Battery and Current Protection	8-pin MSOP, 8-pin SOIC, 3-pin SOT-223
MIC5319	500	2.5	5.5	1.375, 1.8, 1.85, 2.5, 2.6, 2.7, 2.8, 2.85, 2.9, 3.0, 3.3, 5.0, Adj.	200	90 µA	±1	70	High PSRR	5-pin TSOT, 6-pin VDFN
MIC5524	500	2.5	5.5	1.2, 1.8, 2.8, 3.0, 3.3	260	38 µA	±2	65	Low Noise	4-pin UDFN
MIC5528	500	2.5	5.5	3.3	260	38 µA	±2	70	Low Dropout	6-pin UDFN, 6-pin X2DFN
MIC94305	500	1.8	3.6	Input Follower	170	150 µA	–	0	RippleBlocker	6-pin UDFN
MIC94325	500	1.8	3.6	Adj.	100	170 µA	±1	85	RippleBlocker	6-pin UDFN
MIC94345	500	1.8	3.6	1.2, 1.5, 1.8, 2.8, 3.3	100	170 µA	±1	85	RippleBlocker	6-pin UDFN
MIC94355	500	1.8	3.6	1.2, 1.5, 1.8, 2.8, 3.3	100	170 µA	±1	85	RippleBlocker	6-pin UDFN
MCP1725	500	2.3	6	0.8, 1.2, 1.8, 2.5, 3.0, 3.3, 5.0	210	120 µA	±0.5	60	Low Dropout	8-pin DFN, 8-pin SOIC 150mil
MCP1825	500	2.1	6	0.8, 1.2, 1.8, 2.5, 3.0, 3.3, 5.0	210	120 µA	±0.5	60	Low Dropout	5-pin TO-220, 5-pin DDPACK, 5-pin SOT-223
MCP1825S	500	2.1	6	0.8, 1.2, 1.8, 2.5, 3.0, 3.3, 5.0	300	120 µA	±0.5	60	Low Dropout	3-pin TO-220, 3-pin SOT-223, 3-pin DDPACK
TC1262	500	2.7	6	2.5, 2.8, 3.0, 3.3, 5.0	350	80 µA	±0.5	64	Low Dropout	3-pin TO-220, 3-pin SOT-223, 3-pin DDPACK
TC1263	500	2.7	6	2.5, 2.8, 3.0, 3.3, 5.0	350	80 µA	±0.5	64	Low Dropout	5-pin TO-220, 5-pin DDPACK, 8-pin SOIC 150mil
MIC29371	750	4.3	26	3.3, 5.0, 12	370	160 µA	±1	–	Load Dump, Reverse Current Protection	5-pin TO-220, 5-pin DDPACK
MIC29372	750	4.3	26	Adj.	370	160 µA	±1	–	Load Dump, Reverse Current Protection	5-pin TO-220, 5-pin DDPACK
MIC2937A	750	4.3	26	3.3, 5.0, 12	370	160 µA	±1	–	Load Dump, Reverse Current Protection	3-pin TO-263, 3-pin TO-220
MIC3775	750	2.25	6	1.5, 1.65, 1.8, 2.5, 3.0, 3.3, Adj.	280	6.5 mA	±1	60	Reverse Current Protection	8-pin MSOP
MIC3975	750	2.25	16	1.65, 1.8, 2.5, 3.0, 3.3, 5.0, Adj.	300	7.5 mA	±1	55	Reverse Current Protection	8-pin MSOP

POWER MANAGEMENT: Single Output Linear Regulators (Continued)

Part #	Output Current (mA)	V _{IN} Min (V)	V _{IN} mA _x (V)	V _{OUT} (V)	Voltage Drop Typical (mV)	IGND Typical (μA)	Output Accuracy (%)	PSRR 1 kHz (dB)	Features	Packages
TC1264	800	2.7	6	1.8, 2.5, 3.0, 3.3	450	80 μA	±0.5	64	Low Dropout	3-pin TO-220, 3-pin SOT-223 3-pin DDPACK
TC1265	800	2.7	6	1.8, 2.5, 3.0, 3.3	450	80 μA	±0.5	64	Low Dropout	5-pin TO-220, 5-pin DDPACK, 8-pin SOIC 150mil
TC2117	800	2.7	6	1.8, 2.5, 3.0, 3.3	600	80 μA	±0.5	55	Low Dropout	3-pin SOT-223, 3-pin DDPACK
MIC37100	1000	2.25	6	1.5, 1.65, 1.8, 2.5, 3.3	280	400 μA	±1	50	Reverse Battery and Current Protection	3-pin SOT-223
MIC37101	1000	2.25	6	1.5, 1.65, 1.8, 2.1, 2.5, 3.3	280	400 μA	±1	50	Reverse Battery and Current Protection	8-pin SOIC
MIC37102	1000	2.25	6	Adj.	280	400 μA	±1	50	Reverse Battery and Current Protection	8-pin SOIC, 5-pin SPAK
MIC39100	1000	2.25	16	1.8, 2.5, 3.3, 5.0	410	6.5 mA	±1	55	Reverse Battery and Current Protection	3-pin SOT-223
MIC39101	1000	2.25	16	1.8, 2.5, 3.3, 5.0	410	6.5 mA	±1	55	Reverse Battery and Current Protection	8-pin SOIC
MIC39102	1000	2.25	16	Adj.	410	6.5 mA	±1	55	Reverse Battery and Current Protection	8-pin SOIC
MIC47100	1000	1	3.6	0.8, 1.0, 1.2, Adj.	80	350 μA	±0.5	80	Ultra Low Dropout	8-pin MSOP, 8-pin VDFN
MIC69101	1000	1.65	5.5	1.8	215	11 mA	±2	55	Low Dropout	10-pin VDFN
MIC69103	1000	1.65	5.5	Adj.	215	11 mA	±2	55	Low Dropout	10-pin VDFN
MCP1726	1000	2.3	6	0.8, 1.2, 1.8, 2.5, 3.3, 5.0	500	130 μA	±0.5	54	Low Dropout	8-pin DFN, 8-pin SOIC 150mil
MCP1826	1000	2.3	6	0.8, 1.2, 1.8, 2.5, 3.0, 3.3, 5.0	225	120 μA	±0.5	60	Low Dropout	5-pin TO-220, 5-pin DDPACK, 5-pin SOT-223
MCP1826S	1000	2.3	6	0.8, 1.2, 1.8, 2.5, 3.0, 3.3, 5.0	225	120 μA	±0.5	60	Low Dropout	3-pin TO-220, 3-pin SOT-223, 3-pin DDPACK
MIC2940A	1250	2	26	3.3, 5.0, 12	400	35 mA	±1	–	Load Dump, Reverse Current Protection	3-pin TO-263, 3-pin TO-220
MIC2941A	1250	2	26	Adj.	400	35 mA	±1	–	Load Dump, Reverse Current Protection	5-pin TO-220, 5-pin DDPACK
MIC29150	1500	2.25	26	3.3, 5.0, 12	350	22 mA	±1	–	Load Dump, Reverse Current Protection	3-pin TO-263, 3-pin TO-220
MIC29151	1500	2.25	26	3.3, 5.0, 12	350	22 mA	±1	–	Load Dump, Reverse Current Protection	5-pin TO-220, 5-pin DDPACK
MIC29152	1500	2.25	26	Adj.	350	22 mA	±1	–	Load Dump, Reverse Current Protection	5-pin TO-252, 5-pin TO-220, 5-pin DDPACK
MIC37139	1500	2.25	6	1.8, 2.5	500	17 mA	±1	50	Reverse Battery and Current Protection	Please call for package information
MIC37150	1500	2.25	6	1.5, 1.65, 1.8, 2.5, 3.3	325	17 mA	±1	45	Reverse Battery and Current Protection	3-pin SPAK
MIC37151	1500	2.25	6	1.5, 1.65, 1.8, 2.5, 3.3	325	17 mA	±1	45	Reverse Battery and Current Protection	5-pin SPAK
MIC37152	1500	2.25	6	Adj.	325	17 mA	±1	45	Reverse Battery and Current Protection	8-pin SOIC, 5-pin SPAK
MIC37153	1500	2.25	6	Adj.	325	17 mA	±1	45	Reverse Battery and Current Protection	8-pin SOIC
MIC39150	1500	2.25	16	1.65, 1.8, 2.5	375	17 mA	±1	53	Reverse Battery and Current Protection	3-pin TO-263, 3-pin TO-220
MIC39151	1500	2.25	16	1.65, 1.8, 2.5	375	17 mA	±1	53	Reverse Battery and Current Protection	5-pin TO-220, 5-pin DDPACK
MIC39151	1500	2.25	6	Adj.	365	110 mA	±1	45	Low Dropout	5-pin TO-220, 5-pin DDPACK
MIC39152	1500	2.25	16	Adj.	375	17 mA	±1	53	Reverse Battery and Current Protection	5-pin TO-252, 5-pin DDPACK
MIC47150	1500	1.4	6.5	Adj.	280	15 mA	±1	55	Low Dropout	5-pin TO-252
MIC49150	1500	1.4	6.5	0.9, 1.2, 1.5, 1.8, Adj.	280	15 mA	±1	57	Low Dropout	8-pin MSOP, 5-pin SPAK
MIC59150	1500	1	3.8	Adj.	100	12.5 mA	±1	60	Ultra Low Dropout	8-pin SOIC
MIC61150	1500	1.1	3.6	1.0, Adj.	75	7.6 mA	±1	50	Ultra Low Dropout, Soft Start	10-pin MSOP, 10-pin VDFN
MCP1727	1500	2.3	6	0.8, 1.2, 1.8, 2.5, 3.0, 3.3, 5.0	330	120 μA	±0.5	60	Low Dropout	8-pin DFN, 8-pin SOIC 150mil
MCP1827	1500	2.3	6	0.8, 1.2, 1.8, 2.5, 3.0, 3.3, 5.0	330	120 μA	±0.5	60	Low Dropout	5-pin TO-220, 5-pin DDPACK
MCP1827S	1500	2.3	6	0.8, 1.2, 1.8, 2.5, 3.0, 3.3, 5.0	330	120 μA	±0.5	60	Low Dropout	3-pin TO-220, 3-pin DDPACK
MIC49200	2000	1.4	6.5	1.0, 1.8, Adj.	400	15 mA	±1	83	Low Dropout	5-pin SPAK
MIC68200	2000	1.65	5.5	1.2, 1.5, 1.8, 2.5, 3.3, Adj.	300	42 mA	±1	60	Low Dropout, Soft Start	10-pin VDFN
MIC37252	2500	3	6	Adj.	550	40 mA	±2	50	Reverse Current Protection	5-pin SPAK, 5-pin DDPACK

POWER MANAGEMENT: Single Output Linear Regulators (Continued)

Part #	Output Current (mA)	V _{IN} Min (V)	V _{IN} mA _x (V)	V _{OUT} (V)	Voltage Drop Typical (mV)	IGND Typical (μA)	Output Accuracy (%)	PSRR 1 kHz (dB)	Features	Packages
MIC29300	3000	2.25	26	3.3, 5.0, 12	370	37 mA	±1	–	Load Dump, Reverse Current Protection	3-pin TO-263, 3-pin TO-220
MIC29301	3000	2.25	26	3.3, 5.0, 12	370	37 mA	±1	–	Load Dump, Reverse Current Protection	5-pin TO-220, 5-pin DDPAK
MIC29302	3000	2.25	26	Adj.	370	37 mA	±1	–	Load Dump, Reverse Current Protection	5-pin TO-220, 5-pin DDPAK
MIC29302A	3000	3	16	Adj.	450	60 mA	±1	–	Reverse Battery and Current Protection	5-pin TO-252, 5-pin DDPAK
MIC29302H	3000	2.25	26	Adj.	370	37 mA	±1	–	Load Dump, Reverse Current Protection	5-pin DDPAK
MIC29303	3000	2.25	26	Adj.	370	37 mA	±1	–	Load Dump, Reverse Current Protection	5-pin TO-220, 5-pin DDPAK
MIC29310	3000	2.3	16	3.3, 5.0	600	60 mA	±1	–	Load Dump, Reverse Current Protection	3-pin TO-263, 3-pin TO-220
MIC29312	3000	2.3	16	Adj.	600	60 mA	±1	–	Load Dump, Reverse Current Protection	5-pin TO-220, 5-pin DDPAK
MIC35302	3000	2.25	6	Adj.	370	20 mA	±1	50	Reverse Battery and Current Protection	5-pin TO-252
MIC37300	3000	2.25	6	1.5, 1.65, 1.8, 2.5, 3.3	300	27 mA	±1	50	Reverse Current Protection	3-pin SPAK
MIC37301	3000	2.25	6	1.5, 1.8, 2.5, 3.3	300	27 mA	±1	50	Reverse Current Protection	8-pin SOIC, 5-pin SPAK
MIC37302	3000	2.25	6	Adj.	300	27 mA	±1	50	Reverse Current Protection	5-pin SPAK, 5-pin DDPAK
MIC37303	3000	2.25	6	Adj.	300	27 mA	±1	50	Reverse Current Protection	8-pin SOIC, 8-pin VDFN
MIC39300	3000	2.25	16	1.8, 2.5	385	45 mA	±1	–	Reverse Battery and Current Protection	3-pin TO-263, 3-pin TO-220
MIC39301	3000	2.25	16	1.8, 2.5	385	45 mA	±1	–	Reverse Battery and Current Protection	5-pin TO-220, 5-pin DDPAK
MIC39302	3000	2.25	16	Adj.	385	45 mA	±1	–	Reverse Battery and Current Protection	5-pin DDPAK
MIC47300	3000	1.4	6.5	Adj.	230	25 mA	±1	–	Low Dropout	5-pin TO-252
MIC49300	3000	1.4	6.5	0.9, 1.2, 1.5, 1.8, Adj.	280	25 mA	±1	–	Low Dropout	5-pin SPAK
MIC59300	3000	1	3.8	1.2V, Adj.	205	30 mA	±1	65	Low Dropout	8-pin SOIC, 5-pin DDPAK
MIC61300	3000	1.1	3.6	1.0, Adj.	150	7.6 mA	±1	55	Low Dropout, Soft Start	10-pin MSOP, 10-pin VDFN
MIC69301	3000	1.65	5.5	1.2	275	32 mA	±2	55	Low Dropout	8-pin SOIC, 5-pin SPAK, 5-pin DDPAK
MIC69302	3000	1.65	5.5	Adj.	275	32 mA	±2	55	Low Dropout	5-pin SPAK, 5-pin DDPAK
MIC69303	3000	1.65	5.5	Adj.	275	32 mA	±2	55	High Current	8-pin SOIC, 12-pin VDFN
MIC68400	4000	1.65	5.5	1.8, Adj.	360	90 mA	±2	50	Low Dropout, Soft Start	16-pin VQFN
MIC68401	4000	1.65	5.5	Adj.	360	90 mA	±2	50	Low Dropout, Soft Start	16-pin VQFN
MIC29500	5000	2.25	26	3.3, 5.0, 12	370	70 mA	±1	–	Load Dump, Reverse Current Protection	3-pin TO-220
MIC29501	5000	2.25	26	3.3, 5.0, 12	370	70 mA	±1	–	Load Dump, Reverse Current Protection	5-pin TO-220, 5-pin DDPAK
MIC29502	5000	2.25	26	Adj.	370	70 mA	±1	–	Load Dump, Reverse Current Protection	5-pin TO-220, 5-pin DDPAK
MIC29503	5000	2.25	26	Adj.	370	70 mA	±1	–	Load Dump, Reverse Current Protection	5-pin TO-220, 5-pin DDPAK
MIC29510	5000	2.3	16	3.3, 5.0	700	100 mA	±1	–	Load Dump, Reverse Current Protection	3-pin TO-220
MIC29512	5000	2.3	16	Adj.	700	100 mA	±1	–	Load Dump, Reverse Current Protection	5-pin TO-220
MIC37501	5000	2.3	6	1.5, 1.65, 1.8, 2.5, 3.3	330	57 mA	±1	–	Reverse Current Protection	7-pin SPAK
MIC37502	5000	2.3	6	Adj.	330	57 mA	±1	–	Reverse Current Protection	7-pin SPAK, 5-pin DDPAK
MIC39500	5000	2.25	16	1.8, 2.5	400	70 mA	±1	30	Reverse Battery and Current Protection	3-pin TO-263, 3-pin TO-220
MIC39501	5000	2.25	16	1.8, 2.5	400	70 mA	±1	30	Reverse Battery and Current Protection	5-pin TO-220, 5-pin DDPAK
MIC49500	5000	1.4	6	0.9, 1.2, Adj.	290	55 mA	±1	75	Low Dropout	7-pin SPAK
MIC69502	5000	1.65	5.5	Adj.	250	54 mA	±1	52	High Current	7-pin SPAK
MIC29712	7500	2.3	16	Adj.	700	250 mA	±2	–	High Current	5-pin TO-220
MIC29751	7500	2.5	26	3.3, 5.0	425	120 mA	±1	–	Load Dump, Reverse Current Protection	5-pin TO-247
MIC29752	7500	2.5	26	Adj.	425	120 mA	±1	–	Load Dump, Reverse Current Protection	5-pin TO-247

POWER MANAGEMENT: Multiple Output Linear Regulators

Part #	Product Type	Iout #1	Iout #2	Iout #3	Iout #4	V _{IN} Min. (V)	V _{IN} Max. (V)	V _{out} (V)	Voltage Drop Typ. (mV)	IGND Typ. (μA)	PSRR 1kHz (dB)	Packages
MIC2210	Dual LDOs	150 mA	300 mA	–	–	2.25	5.5	Please Refer to Datasheet	120/140	48/60 μA	60	10-pin VDFN
MIC2211	Dual LDOs	150 mA	300 mA	–	–	2.25	5.5	Please Refer to Datasheet	120/140	48/60 μA	60	10-pin VDFN
MIC2212	Dual LDOs	150 mA	300 mA	–	–	2.25	5.5	Please Refer to Datasheet	120/140	48/60 μA	60	10-pin VDFN
MIC2213	Dual LDOs	150 mA	300 mA	–	–	2.25	5.5	Please Refer to Datasheet	120/140	48/60 μA	60	10-pin VDFN, 16-pin VQFN
MIC2214	Dual LDOs	150 mA	300 mA	–	–	2.25	5.5	Please Refer to Datasheet	120/140	48/60 μA	60	10-pin VDFN, 16-pin VQFN
MIC2215	Multi-Channel LDOs	250 mA	250 mA	250 mA	–	2.25	5.5	Please Refer to Datasheet	100	110 μA	70	16-pin VQFN
MIC2219	Dual LDOs	150 mA	300 mA	–	–	2.25	5.5	Please Refer to Datasheet	120	48 μA	60	10-pin VDFN
MIC5202	Dual LDOs	100 mA	100 mA	–	–	2.5	26	Please Refer to Datasheet	225	170 μA	75	8-pin SOIC
MIC5208	Dual LDOs	50 mA	50 mA	–	–	2.5	16	Please Refer to Datasheet	250	180 μA	–	8-pin MSOP
MIC5210	Dual LDOs	150 mA	150 mA	–	–	2.5	16	Please Refer to Datasheet	165	80 μA	75	8-pin MSOP
MIC5211	Dual LDOs	80 mA	80 mA	–	–	2.5	16	Please Refer to Datasheet	250	90 μA	60	6-pin SOT-23
MIC5212	Dual LDOs	500 mA	500 mA	–	–	4	16	Please Refer to Datasheet	350	1.5mA	75	8-pin SOIC
MIC5264	Dual LDOs	150 mA	150 mA	–	–	2.7	5.5	Please Refer to Datasheet	210	75 μA	64	10-pin VDFN
MIC5310	Dual LDOs	150 mA	150 mA	–	–	2.3	5.5	Please Refer to Datasheet	35	85 μA	70	8-pin UDFN, 8-pin VDFN
MIC5311	Dual LDOs	300 mA	300 mA	–	–	2.5	5.5	Please Refer to Datasheet	120	28 μA	60	10-pin VDFN
MIC5312	Dual LDOs	300 mA	300 mA	–	–	2.5	5.5	Please Refer to Datasheet	120	28 μA	60	10-pin VDFN
MIC5315	Dual LDOs	300 mA	300 mA	–	–	1.7	5.5	Please Refer to Datasheet	85	30 μA	65	10-pin UDFN
MIC5316	Dual LDOs	300 mA	300 mA	–	–	1.7	5.5	Please Refer to Datasheet	85	30 μA	65	12-pin UDFN
MIC5320	Dual LDOs	150 mA	150 mA	–	–	2.3	5.5	Please Refer to Datasheet	35	85 μA	65	6-pin TSOT, 6-pin UDFN, 6-pin WDFN
MIC5321	Dual LDOs	150 mA	150 mA	–	–	2.3	5.5	Please Refer to Datasheet	35	85 μA	75	6-pin TSOT, 6-pin UDFN, 6-pin WDFN
MIC5322	Dual LDOs	150 mA	150 mA	–	–	2.3	5.5	Please Refer to Datasheet	35	150 μA	75	6-pin UDFN
MIC5330	Dual LDOs	300 mA	300 mA	–	–	2.3	5.5	Please Refer to Datasheet	75	85 μA	70	8-pin VDFN
MIC5331	Dual LDOs	300 mA	300 mA	–	–	2.3	5.5	Please Refer to Datasheet	120	40 μA	65	8-pin UDFN
MIC5332	Dual LDOs	300 mA	300 mA	–	–	2.3	5.5	Please Refer to Datasheet	120	40 μA	65	8-pin UDFN
MIC5333	Dual LDOs	300 mA	300 mA	–	–	2.3	5.5	Please Refer to Datasheet	120	40 μA	65	10-pin UDFN
MIC5335	Dual LDOs	300 mA	300 mA	–	–	2.3	5.5	Please Refer to Datasheet	75	90 μA	65	6-pin UDFN
MIC5338	Dual LDOs	300 mA	300 mA	–	–	2.5	5.5	Please Refer to Datasheet	220	38 μA	55	6-pin UDFN
MIC5339	Dual LDOs	300 mA	300 mA	–	–	2.5	5.5	Please Refer to Datasheet	220	38 μA	55	6-pin UDFN
MIC5350	Dual LDOs	300 mA	500 mA	–	–	2.6	5.5	Please Refer to Datasheet	75/125	95 μA	50	8-pin UDFN
MIC5355	Dual LDOs	500mA	500 mA	–	–	2.5	5.5	Please Refer to Datasheet	350	38 μA	55	8-pin MSOP
MIC5356	Dual LDOs	500mA	500 mA	–	–	2.5	5.5	Please Refer to Datasheet	350	38 μA	55	8-pin MSOP, 8-pin VDFN
MIC5357	Dual LDOs	500mA	500 mA	–	–	2.6	5.5	Please Refer to Datasheet	130	95 μA	70	8-pin MSOP
MIC5370	Dual LDOs	150mA	150 mA	–	–	2.3	5.5	Please Refer to Datasheet	155	32 μA	60	6-pin UDFN
MIC5371	Dual LDOs	150mA	150 mA	–	–	2.5	5.5	Please Refer to Datasheet	155	32 μA	60	6-pin UDFN
MIC5373	Multi-Channel LDOs	200mA	200 mA	200 mA	–	1.7	5.5	Please Refer to Datasheet	170	32 μA	55	16-pin UQFN
MIC5374	Multi-Channel LDOs	200 mA	200 mA	200 mA	1 mA	1.7	5.5	Please Refer to Datasheet	170	42 μA	55	16-pin UQFN
MIC5380	Dual LDOs	150 mA	150 mA	–	–	2.5	5.5	Please Refer to Datasheet	155	32 μA	60	10-pin UQFN
MIC5381	Dual LDOs	150 mA	150 mA	–	–	2.5	5.5	Please Refer to Datasheet	155	32 μA	60	10-pin UQFN
MIC5383	Multi-Channel LDOs	200 mA	200 mA	200 mA	–	1.7	5.5	Please Refer to Datasheet	170	32 μA	55	16-pin UQFN
MIC5384	Multi-Channel LDOs	200 mA	200 mA	200 mA	1 mA	1.7	5.5	Please Refer to Datasheet	170	42 μA	55	16-pin UQFN
MIC5385	Multi-Channel LDOs	150 mA	150 mA	150 mA	–	2.5	5.5	Please Refer to Datasheet	180	32 μA	70	8-pin UDFN
MIC5387	Multi-Channel LDOs	150 mA	150 mA	150 mA	–	2.5	5.5	Please Refer to Datasheet	180	32 μA	70	6-pin UDFN
MIC5388	Dual LDOs	200 mA	200 mA	–	–	2.5	5.5	Please Refer to Datasheet	175	32 μA	73	6-pin WLCSP

POWER MANAGEMENT: Multiple Output Linear Regulators (Continued)

Part #	Product Type	Iout #1	Iout #2	Iout #3	Iout #4	V _{IN} Min. (V)	V _{IN} Max. (V)	V _{out} (V)	Voltage Drop Typ. (mV)	IGND Typ. (μA)	PSRR 1kHz (dB)	Packages
MIC5389	Dual LDOs	200 mA	200 mA	–	–	2.5	5.5	Please Refer to Datasheet	175	32 μA	73	6-pin WLCSOP
MIC5392	Dual LDOs	150 mA	150 mA	–	–	2.5	5.5	Please Refer to Datasheet	155	57 μA	60	6-pin UDFN, 6-pin X2DFN
MIC5393	Dual LDOs	150 mA	150 mA	–	–	2.5	5.5	Please Refer to Datasheet	155	57 μA	60	6-pin X2DFN
MIC5396	Dual LDOs	300 mA	300 mA	–	–	2.5	5.5	Please Refer to Datasheet	160	37 μA	60	8-pin UDFN, 8-pin X2DFN
MIC5397	Dual LDOs	300 mA	300 mA	–	–	2.5	5.5	Please Refer to Datasheet	160	37 μA	60	8-pin UDFN, 8-pin X2DFN
MIC5398	Dual LDOs	300 mA	300 mA	–	–	2.5	5.5	Please Refer to Datasheet	160	37 μA	60	8-pin X2DFN
MIC5399	Dual LDOs	300 mA	300 mA	–	–	2.5	5.5	Please Refer to Datasheet	160	37 μA	60	8-pin UDFN, 8-pin X2DFN
MIC68220	Dual LDOs	2.0A	2.0A	–	–	1.65	5.5	Please Refer to Datasheet	300	15 mA	40	20-pin VDFN
TC1307	Single LDOs	150 mA	150 mA	150 mA	150 mA	2.7	6	Please Refer to Datasheet	200	220 μA	60	16-pin QSOP
TC1301A	Single LDOs	300 mA	150 mA	–	–	2.7	6	Please Refer to Datasheet	104	103 μA	58	8-pin MSOP, 8-pin DFN
TC1301B	Single LDOs	300 mA	150 mA	–	–	2.7	6	Please Refer to Datasheet	104	114 μA	58	8-pin MSOP, 8-pin DFN
TC1302A	Single LDOs	300 mA	150 mA	–	–	2.7	6	Please Refer to Datasheet	104	103 μA	58	8-pin MSOP, 8-pin DFN
TC1302B	Single LDOs	300 mA	150 mA	–	–	2.7	6	Please Refer to Datasheet	104	114 μA	58	8-pin MSOP, 8-pin DFN

POWER MANAGEMENT: Linear Regulators – LDO Controller and SIM Card

Part #	Product Type	V _{IN} Min. (V)	V _{IN} Max. (V)	V _{out} (V)	IGND Typ. (μA)	V _{REF} (V)	V _{EN} (V)	Internal Charge Pump	External N-Ch. MOSFET	Packages
MIC5156	LDO Controllers	3	36	3.3, 5.0, Adj.	2.7	1.235	2.4	–	Yes	8-pin SOIC, 8-pin PDIP
MIC5157	LDO Controllers	3	36	3.3, 5.0, 12	4.5	1.235	2.4	Yes	Yes	14-pin PDIP, 14-pin SOIC 150mil
MIC5158	LDO Controllers	3	36	5.0, Adj.	4.5	1.235	2.4	Yes	Yes	14-pin PDIP, 14-pin SOIC 150mil
MIC5159	LDO Controllers	1.65	5.5	1.8, 3.0, Adj.	10	1.235	1.2	–	Yes	6-pin SOT-23
MIC5190	LDO Controllers	0.9	5.5	Adj. down to 0.5V	15	0.5	0.8	–	Yes	10-pin MSOP, 10-pin VDFN
MIC5191	LDO Controllers	1	5.5	Adj. down to 1.0V	15	1	0.8	–	Yes	10-pin MSOP, 10-pin VDFN
MIC4555	SIM Card Lvl Shifter with 50 mA LDO	2.7	5.5	1.8, 3.3	41/79	–	–	–	–	16-pin VQFN

POWER MANAGEMENT: DDR Termination Regulators

Part #	Iout	V _{IN} Min. (V)	V _{IN} Max. (V)	V _{out} (V)	PWR Good	VTT Accuracy	External Transistor	Sync Buck	Frequency	Features	Packages
MIC5162	±7A	1.35	6	1/2 of V _{IN}	–	±5 mV	✓	–	–		10-pin MSOP
MIC5163	±7A	0.75	6	1/2 of V _{IN}	–	±5 mV	✓	–	–	Low Voltage	10-pin MSOP
MIC5164	±7A	1.35	6	1/2 of V _{IN}	✓	±5 mV	✓	–	–		10-pin MSOP
MIC5165	±7A	0.75	6	1/2 of V _{IN}	✓	±5 mV	✓	–	–	Low Voltage	10-pin MSOP
MIC5166	±3A	0.9	3.6	1/2 of V _{IN}	✓	±40 mV	–	–	–	Integrated FETs	3 × 3 DFN
MIC5167	±6A	2.6	5.5	Adj. down to 0.35V	✓	±12 mV	–	✓	1 MHz	Integrated Sync Buck	4 × 4 DFN

POWER MANAGEMENT: High-Voltage Linear Regulators

Part #	Input to Output Voltage Differential (Min.)	Input to Output Voltage Differential (Max.)	Output Voltage (V)	Max Output Current (mA)	Typical Line Regulation (%/V)	Typical Load Regulation (%/mA)	Packages
LR8	12	450	1.2–440	10	0.003	0.15	3-Lead TO-252, 3-Lead TO-92, 3-Lead SOT-89
LR12	12	100	1.2–88	50	0.003	0.06	3-Lead TO-252, 8-Lead SOIC, 3-Lead TO-92
LR645	15	450	10	3	0.0001	0.50	8-Lead SOIC, 3-Lead TO-92, 3-Lead TO-220, 3-Lead SOT-89
LR745	25	450	20	2	0.0001	0.50	3-Lead TO-92, 3-Lead SOT-89

POWER MANAGEMENT: Single Output Switching Regulators (Buck)

Part #	Input Voltage Range (V)	Output Voltage (V)	Operating Junction Temperature Range (°C)	Switching Frequency (kHz)	Output Current (mA)	Features	Packages
MCP1601	2.7 to 5.5	0.9V to V _{IN}	-40 to +85	750	500	UVLO, Auto-switching, LDO	8-pin MSOP
MCP1602	2.7 to 5.5	0.8 to 4.5	-40 to +85	2000	500	PFM, PWM auto-switching, UVLO, soft start, power good indicator	10-pin MSOP, 10-pin 3 × 3 DFN
MCP1603	2.7 to 5.5	0.8 to 4.0	-40 to +85	2000	500	Overtemperature and overcurrent protection	5-pin TSOT-23, 8-pin 2 × 3 DFN
MCP1612	2.7 to 5.5	0.8 to 5.5	-40 to +85	1400	1000	Overall efficiency > 94%, Soft start, overtemperature and overcurrent protection	8-pin MSOP, 8-pin 3 × 3 DFN
MIC2245	2.7 to 5.5	Adj.	-40 to +125	4,000	500	LDO Standby Mode and Low Q current	10-pin 3 × 3 MLF
MIC23030	2.7 to 5.5	1.0, 1.2, 1.5, 1.8, Adj.	-40 to +125	8,000	400	HyperLight Load® mode	6-pin 1.6 × 1.6 MLF
MIC23031	2.7 to 5.5	1.0, 1.2, 1.5, 1.8, Adj.	-40 to +125	4,000	400	HyperLight Load mode	6-pin 1.6 × 1.6 MLF
MIC23050	2.7 to 5.5	1.0, 1.2, 1.8, 3.3	-40 to +125	4,000	600	HyperLight Load mode	8-pin 2 × 2 MLF
MIC23051	2.7 to 5.5	1-1.2, 1-1.8, 1.15-1.4, 0.95-1.25	-40 to +125	4,000	600	HyperLight Load mode	8-pin 2 × 2 MLF
MIC23150	2.7 to 5.5	1.0, 1.2, 1.35, 1.8, 3.3	-40 to +125	4,000	2,000	HyperLight Load mode	8-pin 2 × 2 MLF
MIC23153	2.7 to 5.5	1.8, Adj.	-40 to +125	4,000	2,000	Power Good, HyperLight Load mode	10-pin 2.5 × 2.5 MLF
MIC23155	2.7 to 5.5	1.8, Adj.	-40 to +125	3,000	2,000	Power Good, HyperLight Load mode	10-pin 2.5 × 2.5 MLF
MIC23303	2.7 to 5.5	Adj.	-40 to +125	4,000	3,000	Power Good, HyperLight Load mode	12-pin 3 × 3 DFN
MIC23201	2.7 to 5.5	Adj.	-40 to +125	2,000	2,000	Power Good	12-pin 3 × 3 DFN
MIC2202	2.3 to 5.5	Adj.	-40 to +125	1,600-2,500	600		10-pin MSOP, 10-pin 3 × 3 MLF
MIC2204	2.3 to 5.5	Adj.	-40 to +125	2,000	600		10-pin MSOP, 10-pin 3 × 3 MLF
MIC2267	3 to 5.5	Adj.	-40 to +125	400-1,500	2,000	Power Good	12-pin 3 × 3 MLF
MIC2207	2.7 to 5.5	Adj.	-40 to +125	2,000	3,000	Power Good	12-pin 3 × 3 MLF
MIC2208	2.7 to 5.5	Adj.	-40 to +125	1,000	3,000	Power Good	12-pin 3 × 3 MLF
MIC22200	2.6 to 5.5	Adj.	-40 to +125	800-1,200	3,000	Power Good	12-pin 3 × 3 MLF
MIC22400	2.6 to 5.5	Adj.	-40 to +125	300-4,000	4,000	Power Good	12-pin 3 × 3 MLF
MIC22601	2.6 to 5.5	Adj.	-40 to +125	4,000	6,000	Power Good	24-pin 4 × 4 MLF
MIC22602	2.6 to 5.5	Adj.	-40 to +125	1,000	6,000	Power Good	24-pin 4 × 4 MLF
MIC22700	2.6 to 5.5	Adj.	-40 to +125	1,000	7,000	Power Good	24-pin 4 × 4 MLF
MIC22950	2.6 to 5.5	Adj.	-40 to +125	400-2,000	10,000	Power Good	32-pin 5 × 5 MLF
MCP16311	4.4 to 30.0	2.0 to 24.0	-40 to +125	500	1000	PFM/PWM operation, enable function	8-pin MSOP, 8-pin 2 × 3 TDFN
MCP16312	4.4 to 30.0	2.0 to 24.0	-40 to +125	500	1000	PWM operation, enable function	8-pin MSOP, 8-pin 2 × 3 TDFN
MCP16301	4.0 to 30	2.0 to 15	-40 to +85	500	600	Integrated N-channel, UVLO, Soft start, overtemperature protection	6-pin SOT-23
MIC24045	4.5 to 19	0.64 to 5.25	-40 to +125	310-1200	5000	I ² C Programmable, 4.5V-19V Input, 5A Step-Down Converter	20-pin 3 × 3 QFN
MCP24048	4.5 to 19	0.7 to 3.3	-40 to +125	310-1200	40000	I ² C Programmable, 4.5V-19V Input, 5A Step-Down Converter	20-pin 3 × 3 QFN
TC105	2.2 to 10	3.0, 3.3, 5.0	-40 to +85	300	1000	Low power shutdown mode	5-pin SOT-23A
MIC24046	4.5 to 19	0.7 to 3.3	-40 to +125	400-790	5000	Internal soft-start and thermal shutdown protection	20-pin 3 × 3 QFN
MIC24051	4.5 to 19	Adj.	-40 to +125	600	6000	Power Good, Soft Start, Architecture Regulation Scheme	28-pin 5 × 6 QFN
MIC24052	4.5 to 19	Adj.	-40 to +125	600	6000	Power Good, Soft Start, HyperLight Load mode	28-pin 5 × 6 QFN
MIC24053	4.5 to 19	Adj.	-40 to +125	600	9000	Power Good, Soft Start, Architecture Regulation Scheme	28-pin 5 × 6 QFN
MIC24054	4.5 to 19	Adj.	-40 to +125	600	9000	Power Good, Soft Start, HyperLight Load mode	28-pin 5 × 6 QFN
MIC24055	4.5 to 19	Adj.	-40 to +125	600	12000	Power Good, Soft Start, Architecture Regulation Scheme	28-pin 5 × 6 QFN
MIC24056	4.5 to 19	Adj.	-40 to +125	600	12000	Power Good, Soft Start, HyperLight Load mode	28-pin 5 × 6 QFN
MIC26601	4.5 to 28	Adj.	-40 to +125	600	6000	Power Good, Soft Start, Hyper Speed Control® architecture	28-pin 5 × 6 QFN
MIC26603	4.5 to 28	Adj.	-40 to +125	600	6000	Power Good, Soft Start, HyperLight Load mode	28-pin 5 × 6 QFN
MIC26603Z	4.5 to 28	Adj.	-40 to +125	600	6000	Power Good, Soft Start, HyperLight Load mode	28-pin 5 × 6 QFN
MIC26901	4.5 to 28	Adj.	-40 to +125	600	9000	Power Good, Soft Start, Hyper Speed Control architecture	28-pin 5 × 6 QFN
MIC26903	4.5 to 28	Adj.	-40 to +125	600	9000	Power Good, Soft Start, HyperLight Load mode	28-pin 5 × 6 QFN
MIC26950	4.5 to 26	Adj.	-40 to +125	300	12000	Soft Start, Architecture Regulation Scheme: Hyper Speed Control architecture, Thermal Shutdown	28-pin 5 × 6 QFN
MIC27600	4.5 to 36	Adj.	-40 to +125	300	7000	Soft Start, Architecture Regulation Scheme: Hyper Speed Control architecture, Thermal Shutdown	28-pin 5 × 6 QFN
MIC4680	4 to 34	3.3, 5.0, Adj.	-40 to +125	200	1,300		8-pin SOIC
MIC4681	4 to 30	Adj.	-40 to +125	400	2,000		8-pin SOIC
MIC4682	4 to 34	Adj.	-40 to +125	200	2,000		8-pin SOIC
MIC4684	4 to 30	Adj.	-40 to +125	200	2,000		8-pin SOIC
MIC4685	4 to 30	Adj.	-40 to +125	200	3,000		7-pin SPAK
MIC28510	4.5 to 75	Adj.	-40 to +125	100-500	4000	Soft Start, Architecture Regulation Scheme: Hyper Speed Control architecture, Thermal Shutdown	28-pin 5 × 6 QFN
MIC28511-1	4.6 to 60	Adj.	-40 to +125	200-680	3000	Power Good, Soft Start, HyperLight Load mode	24-pin 3 × 4 FCQFN
MIC28511-2	4.6 to 60	Adj.	-40 to +125	200-680	3000	Power Good, Soft Start, Hyper Speed Control architecture	24-pin 3 × 4 FCQFN

POWER MANAGEMENT: Single Output Switching Regulators (Buck) (Continued)

Part #	Input Voltage Range (V)	Output Voltage (V)	Operating Junction Temperature Range (°C)	Switching Frequency (kHz)	Output Current (mA)	Features	Packages
MIC28512-1	4.6 to 70	Adj.	-40 to +125	200-680	2000	Power Good, Soft Start, HyperLight Load mode	24-pin 3 × 4 FCQFN
MIC28512-2	4.6 to 70	Adj.	-40 to +125	200-680	2000	Power Good, Soft Start, Hyper Speed Control architecture	24-pin 3 × 4 FCQFN
MIC28513-1	4.6 to 45	Adj.	-40 to +125	200-680	4000	Power Good, Soft Start, Hyper Speed Control architecture	24-pin 3 × 4 FCQFN
MIC28513-2	4.6 to 45	Adj.	-40 to +125	200-680	4000	Power Good, Soft Start, Hyper Speed Control architecture	24-pin 3 × 4 FCQFN
MIC4930	2.7 to 5.5	Adj.	-40 to +125	3300	3000	Power Good, Safe Start, Thermal Shutdown and Current Limit	10-pin 3 × 4 DFN
MIC4950	2.7 to 5.5	Adj.	-40 to +125	3300	5000	Power Good, Safe Start, Thermal Shutdown and Current Limit	8-pin SOIC, 10-pin 3 × 4 DFN

POWER MANAGEMENT: Single Output Switching Regulators (Boost)

Part #	Input Voltage Range (V)	Output Voltage (V)	Operating Junction Temperature Range (°C)	Switching Frequency (kHz)	Output Current (mA)	Features	Packages
MCP1623/4	0.65 to 6.0	2.0 to 5.5	-40 to +85	500	175	Integrated synchronous boost regulator, 0.65V start-up voltage, soft start, true load disconnect	6-pin SOT-23, 8-pin (2 × 3) DFN
MCP1642B/D	0.65 to 6.0	1.8 to 5.5	-40 to +85	1000	>800	Integrated synchronous boost regulator, 0.65V start-up voltage, soft start, enable, power good output, true load disconnect or input-to-output bypass option	8-pin MSOP, 8-pin (2 × 3) DFN
MCP16251/2	0.82 to 5.5	1.8 to 5.5	-40 to +85	500	250	True load disconnect shutdown (MCP16251)/Input to output bypass shutdown (MCP16252)	6-pin SOT-23, 8-pin (2 × 3) DFN
MCP1640/B/C/D	0.65 to 6	2.0 to 5.5	-40 to +85	500	350	Integrated synchronous boost regulator, 0.65V start-up voltage, Soft start, True load disconnect or input-to-output bypass option	6-pin SOT-23, 8-pin (2 × 3) DFN
MCP1643	0.5	0.6 to 5.0	-40 to +85	1000	550	True load disconnect, Shutdown	8-pin MSOP, 8-pin (2 × 3) DFN
MCP1663/4	2.4 to 5.5	Up to 32	-40 to +85	500	>375	High-efficiency (up to 92%), fixed-frequency, non-synchronous, 300 mV feedback for LED driving (MCP1664)	5-pin SOT-23, 8-pin (2 × 3) TDFN
MCP1661/2	2.4 to 5.5	5.5 to 32	-40 to +85	500	>200	Non-synchronous, Soft start, Enable, 300 mV feedback for LED driving (MCP1662)	6-pin SOT-23, 8-pin (3 × 3) TDFN
MIC2141	2.5 to 5.5	Up to 37	-40 to +85	330	1000	Micropower boost converter with control signal input to proportionally adjust output voltage	5-pin SOT-23
MIC2619	2.2 to 16	Up to 22	-40 to +125	1200	350	1.2 MHz PWM boost converter with OVP	6-pin Thin SOT-23
MIC2290	2.4 to 16	Up to 16	-40 to +125	1200	750	2 mm × 2 mm PWM boost regulator with internal Schottky diode	2 × 2 MLF
MIC2605/06	3 to 40	Up to 65	-40 to +125	1200/2000	800	0.5A, 1.2 MHz/2 MHz wide input range boost with integrated switch and Schottky diode	2 × 2 MLF
MIC2145	2.5 to 5.5	Up to 32	-40 to +85	450	900	High-efficiency 2.5W boost converter	8-pin MSOP, 3 × 3 MLF
MIC2570/1	2.5 to 10	Up to 30	-40 to +85	20	1100	Two-cell/single-cell switching regulator	8-pin SOIC, 8-pin MSOP
MIC2288	2.5 to 10	Up to 34	-40 to +125	1200	1200	1A 1.2 MHz PWM boost converter in Thin SOT-23 and 2 mm × 2 mm MLF	5-pin SOT-23, 2 × 2 MLF
MIC3172	2.5 to 10	Up to 34	-40 to +85	100	1250	100 kHz 1.25A switching regulators	8-pin SOIC, 8-pin DIP
MIC2295/96	2.5 to 10	Up to 34	-40 to +125	1200/600	1700	High power density 1.2A boost regulator	5-pin SOT-23, 2 × 2 MLF
MIC2601/02	0.9 to 15	Up to 36	-40 to +125	1200/2000	1700	1.2A, 1.2 MHz/2 MHz wide input range integrated switch boost regulator	2 × 2 MLF
MIC2250/51	4.5 to 20	Up to 32/27	-40 to +125	Variable	2000	High-efficiency low EMI boost regulator	5-pin SOT-23, 2 × 2 MLF
MIC2172	4.5 to 20	Up to 40	-40 to +85	100	2000	100 kHz 1.25A switching regulator	8-pin DIP, 8-pin SOIC
MIC2253	2.8 to 6.5	Up to 35	-40 to +125	1000	3500	3.5A 1 MHz high-efficiency boost regulator with OVP and softstart	3 × 3 MLF
MIC2171	2.5 to 6	Up to 6	-40 to +85	100	4000	100 kHz 2.5A switching regulator	T0220, T0263
MIC2875/76	2.5 to 6	Up to 6	-40 to +125	2000	4800	4.8A ISW, synchronous boost regulator with bi-directional load disconnect	2 × 2 Thin MLF

POWER MANAGEMENT: Multiple Output Switching Regulators

Part #	Description	Input Voltage Range (V)	Number of Outputs	Output Voltage (V)	Operating Temperature Range (°C)	Control Scheme	Switching Frequency (kHz)	Output Current (mA)	Features	Packages
MIC4742	2 MHz Dual 2A Integrated Switch Buck Regulator	2.9 to 5.5	2	DC/DC: 0.6 to 5.5	-40 to +125	PWM Mode	2000	DC to DC: 2,000/2,000 mA		16-pin 3 × 3 MLF, SSOP
MIC4744	4 MHz Dual 2A Integrated Switch Buck Regulator	2.9 to 5.5	2	DC/DC: 0.6 to 5.5	-40 to +125	PWM Mode	4000	DC to DC: 2,000/2,000 mA		16-pin 3 × 3 MLF, SSOP
MIC4782	1.8M Hz Dual 2A Integrated Switch	3 to 6	2	DC/DC: 0.61 to 6	-40 to +125	PWM Mode	1800	DC to DC: 2,000/2,000 mA		3 × 3 MLF
MIC2238	2.5 MHz Dual Phase PWM Buck Regulator	2.5 to 5.5	2	1.28/1.28, 1.8/1.2, 1.8/1.545, 1.8/1.575, 1.8/3.3, 1.8/1.6, 2.5/1.2, 3.3/1.2, 3.3/3.3, Adj./Adj.	-40 to +125	PWM Mode	25000	DC to DC: 800/800 mA	Automatic switching into light load mode of operation	3 × 3 MLF
MIC23250	4 MHz Dual Synchronous Buck Regulator	2.7 to 5.5	2	0.9/1.1, 1.2/1.0, 1.2/1.6, 1.2/1.8, 1.2/2.8, 1.2/3.3, 1.575/1.8, 2.6/3.3, Adj./Adj.	-40 to +125	PWM Mode	4000	DC to DC: 400/400 mA	With HyperLight Load® mode	2 × 2 MLF, 2.5 × 2.5 MLF
MIC23254	4 MHz Dual 400 mA Synchronous Buck Regulator	2.5 to 5.5	2	1.0/1.8	-40 to +125	PWM Mode	4000	DC to DC: 400/400 mA	With Low Input Voltage and HyperLight Load mode	2 × 2 MLF

POWER MANAGEMENT: Multiple Output Switching Regulators (Continued)

Part #	Description	Input Voltage Range (V)	Number of Outputs	Output Voltage (V)	Operating Temperature Range (°C)	Control Scheme	Switching Frequency (kHz)	Output Current (mA)	Features	Packages
MIC23450	3 MHz, PWM, 2A Triple Buck Regulator	2.7 to 5.5	3	DC/DC: 0.62 to 3.3	-40 to +125	PWM Mode	3000	DC to DC: 2,000/2,000/2,000 mA	With HyperLight Load mode and Power Good	5 × 5 QFN
MIC24420	2.5A Dual Output PWM Synchronous Buck Regulator	4.5 to 15	2	DC/DC: 0.7 to 10.5	-40 to +125	PWM Mode	1000	DC to DC: 2,500/2,500 mA	Power Good and Soft Start, 180° out of phase operation	4 × 4 QFN
MIC24421	2.5A Dual Output PWM Synchronous Buck Regulator	4.5 to 15	2	DC/DC: 0.7 to 10.5	-40 to +125	PWM Mode	500	DC to DC: 2,500/2,500 mA	Power Good and Soft Start, 180° out of phase operation	4 × 4 QFN
MIC25400	2A Dual Output PWM Synchronous Buck Regulator	4.5 to 13.2	2	DC/DC: 0.7 to 9.4	-40 to +125	PWM Mode	1000	DC to DC: 2,000/2,000 mA	180° out of phase operation	4 × 4 QFN
MIC23158	3 MHz PWM Dual 2A Buck Regulator with Output Auto Discharge + B15	3 to 5.5	2	DC/DC: 1 to 3.3	-40 to +125	PWM Mode	3000	DC to DC: 2,000/2,000 mA	HyperLight Load mode, Power Good and Output Auto-Discharge	3 × 4 MLF
MIC23159	3 MHz PWM Dual 2A Buck Regulator	3 to 5.5	2	DC/DC: 1 to 3.3	-40 to +125	PWM Mode	3000	DC to DC: 2,000/2,000 mA	HyperLight Load mode and Power Good	3 × 4 MLF
MIC23451	3 MHz, 2A Triple Synchronous Buck Regulator	2.7 to 5.5	3	DC/DC: 1 to 3.3	-40 to +125	PWM Mode	3000	DC to DC: 2,000/2,000/2,000 mA	HyperLight Load mode and Power Good	4 × 4 QFN
MIC2230	Dual Synchronous Step-Down DC/DC Regulator	2.5 to 5.5	2	1.28/1.65, 1.8/1.2, 1.8/1.545, 1.8/1.575, 1.8/3.3, 1.8/1.6, 2.5/1.2, 3.3/1.2, 3.3/3.3, Adj./Adj.	-40 to +125	PWM Mode	2500	DC to DC: 800/800 mA	Power Good and Soft Start	3 × 3 MLF
MIC23099	Step-Up/Step-Down Regulators with Battery Monitoring	0.85 to 1.6	2	DC/DC Boost: 1.8 to 3.3, DC/DC Buck 1 to V _{OUT1}	-40 to +125	PWM Mode	100 Boost, 1000 Buck	DC to DC Buck: 30mA, DC/DC Boost 200 mA	AA/AAA Battery Monitoring	2.5 × 2.5 QFN
MIC2225	2 MHz DC/DC Converter with LDO	2.7 to 5.5	2	DC/DC: 1.0 to 4.5 LDO: 0.8 to 3.3	-40 to +125	PWM Mode	2000	DC to DC Buck: 600 mA, LDO: 300 mA	Independent enable, >95% efficiency	2 × 2 MLF
MIC23060	4 MHz DC/DC Regulator and LDO Regulator	2.7 to 5.5	2	DC/DC: 1.0 to 4.5 LDO: 0.8 to 3.3	-40 to +125	PWM Mode	4000	DC to DC Buck: 600 mA, LDO: 300 mA	Flexible sequencing feature	2.5 × 2.5 MLF
MIC2800	2 MHz DC/DC Converter with Two Linear Regulators. POR/Power Good pin and LOWQ Mode	2.7 to 5.5	3	DC/DC: 1.8 to 3.3 LDOs: 0.8 to 3.6	-40 to +125	PWM Mode	2000	DC to DC Buck: 600 mA, LDO: 300/300 mA	POR/Power Good pin and LOWQ mode	3 × 3 MLF
MIC2810	2 MHz DC/DC Regulator with Two Linear Regulators. LDO1 has a separate V _{IN} pin and can either post-regulate the DC/DC converter or be connect directly to the main input supply. POR/Power Good Pin.	2.7 to 5.5	3	DC/DC: 1.8 to 3.3 LDOs: 0.8 to 3.6	-40 to +125	PWM Mode	2000	DC to DC Buck: 600 mA, LDO: 300/300 mA	LDO1 has a separate VIN pin and can either post-regulate the DC/DC converter	3 × 3 MLF
MIC2811	2 MHz 600 mA DC/DC Regulators with Triple 300 mA LDOs	2.7 to 5.5	4	DC/DC: 1.0 to 2.0 LDOs: 0.8 to 3.6	-40 to +125	PWM Mode	2000	DC to DC Buck: 600 mA, LDO: 300/300/300 mA	LDO1 and LDO2 have separate Vin	3 × 3 MLF
MIC2821	2 MHz 600 mA DC/DC Regulators with Triple 300 mA LDOs	2.7 to 5.5	4	DC/DC: 1.0 to 2.0 LDOs: 0.8 to 3.6	-40 to +125	PWM Mode	2000	DC to DC Buck: 600 mA, LDO: 300/300/300 mA	Independent enable for all four regulators.	3 × 3 MLF
MIC2826	Quad Output PMIC with HyperLight Load Mode DC/DC, Three LDOs and I ² C Control	2.7 to 5.5	4	DC/DC: 1.0 to 1.8 LDOs: 0.8 to 3.3	-40 to +125	PWM Mode	4000	DC to DC Buck: 500 mA, LDO: 150/150/150 mA	I ² C Control and Dynamic Voltage Scaling 3 LDOs	2.5 × 2.5 MLF
MIC2827	Triple Output PMIC with HyperLight Load Mode DC-DC, Two LDOs and I ² C Control	2.7 to 5.5	3	DC/DC: 1.0 to 1.8 LDOs: 0.8 to 3.3	-40 to +125	PWM Mode	4000	DC to DC Buck: 500 mA, LDO: 150/150 mA	I ² C Control and Dynamic Voltage Scaling 3 LDOs	2.5 × 2.5 MLF
MIC7400	Configurable Five-Channel Buck Regulator Plus One-Boost	2.4 to 5.5	6	1.8V, 1.1V, 1.8V, 1.05V, 1.25V, 12V or Configurable	-40 to +125	PWM Mode	2000 Boost, 1300 Bucks	DC to DC Bucks: 3,000 mA, DC/DC Boost 200 mA	Highly integrated configurable, featuring five buck regulators, one boost regulator and global power good indicator	4.5 × 4.5 QFN
MIC7401	Configurable Five-Channel Buck Regulator Plus One-Boost with HyperLight Load mode, I ² C Control, and Enable	2.4 to 5.5	6	1.8V, 1.1V, 1.8V, 1.05V, 1.25V, 12V or Configurable	-40 to +125	PWM Mode	2000 Boost, 1300 Bucks	DC to DC Bucks: 3,000 mA, DC/DC Boost 200 mA	Highly integrated configurable, featuring five buck regulators, one boost regulator, global power good indicator and enable pin	4.5 × 4.5 QFN

POWER MANAGEMENT: Combination Switching Regulators

Part #	Description	Input Voltage Range (V)	Output Voltage (V)	Operating Temp. Range (°C)	Control Scheme	Switching Frequency (kHz)	Typical Active Current (mA)	Output Current (mA)	Features	Packages
TC1303	Synchronous Buck Regulator, LDO with Power Good	2.7 to 5.5	DC/DC: 0.8 to 4.5 LDO: 1.5 to 3.3	-40 to +85	PFM/PWM	2000	65/600	DC/DC: 500 mA LDO: 300 mA	PFM/PWM auto-switching, Power good output	10-pin MSOP, 10-pin 3 × 3 DFN
TC1304	Synchronous Buck Regulator, LDO	2.7 to 5.5	DC/DC: 0.8 to 4.5 LDO: 1.5 to 3.3	-40 to +85	PFM/PWM	2000	65/600	DC/DC: 500 mA LDO: 300 mA	PFM/PWM auto-switching, Power sequencing	10-pin MSOP, 10-pin 3 × 3 DFN
TC1313	Synchronous Buck Regulator, LDO	2.7 to 5.5	DC/DC: 0.8 to 4.5 LDO: 1.5 to 3.3	-40 to +85	PFM/PWM	2000	65/600	DC/DC: 500 mA LDO: 300 mA	PFM/PWM auto-switching	10-pin MSOP, 10-pin 3 × 3 DFN

POWER MANAGEMENT: Inductorless Offline Switching Regulators

Part #	V _{IN} (Vac)	Adjustable V _{OUT} (V)	Fixed V _{OUT} (V)	I _{OUT} Max. (mA)	Load Regulation (%/mA)	Packages
SR086	80–285	9.0–50	3.3	100	0.025	8-Lead SOIC with Heat Slug
SR087	80–285	9.0–50	5	100	0.017	8-Lead SOIC with Heat Slug
SR10	80–285	6.0–28	6.0, 12, 24	60	–	8-Lead SOIC

POWER MANAGEMENT: PWM Controllers

Part #	Supported Topologies	Supported Outputs	Input Voltage Range (V)	Output Voltage (V)	Operating Frequency (Hz)	Operating Temp. Range (°C)	Features	Packages
MIC2101	Sync. Buck	1	4.5 to 38	0.8 to 24	200k to 600k	–40 to +125	HyperLight Load® mode, External Clock Sync, Power Good, Soft Start, Internal Compensation and Voltage Bias	16-pin 3 × 3 MLF®
MIC2102	Sync. Buck	1	4.5 to 38	0.8 to 24	200k to 600k	–40 to +125	Power Good, Soft Start, Internal Compensation and Voltage Bias	16-pin 3 × 3 MLF
MIC2103	Sync. Buck	1	4.5 to 75	0.8 to 24	200k to 600k	–40 to +125	HyperLight Load mode, External Clock sync, Power Good, Soft Start, Internal Compensation and Voltage Bias	16-pin 3 × 3 MLF
MIC2104	Sync. Buck	1	4.5 to 75	0.8 to 24	200k to 600k	–40 to +125	Power Good, Soft Start, Internal Compensation and Voltage Bias	16-pin 3 × 3 MLF
MIC2111B	Sync. Buck	1	3.3 to 5.5	0.6 to 3.64	200k to 2M	–40 to +125	Power Good, Soft Start, Internal Voltage Bias, Enable Pin, Current Limit/Short Circuit Protection	3 × 3 QFN
MIC2124	Sync. Buck	1	3.0 to 18	0.8 to 12	300k	–40 to +125	Soft Start, Internal Voltage Bias	10-pin MSOP
MIC2130	Sync. Buck	1	8.0 to 40	0.7 to 24	150k or 400k	–40 to +125	Power Good, Soft Start, Internal Voltage Bias	16-pin e-TSSOP, 16-pin 4 × 4 MLF
MIC2131	Sync. Buck	1	8.0 to 40	0.7 to 24	150k or 400k	–40 to +125	Power Good, Soft Start, Internal Voltage Bias	16-pin e-TSSOP, 16-pin 4 × 4 MLF
MIC2150	Sync. Buck	2	4.5 to 14.5	0.7 to 5.5	500k	–40 to +125	Power Good, Soft Start, Internal Voltage Bias	24-pin 4 × 4 MLF
MIC2151	Sync. Buck	2	4.5 to 14.5	0.7 to 5.5	300k	–40 to +125	Power Good, Soft Start, Internal Voltage Bias	24-pin 4 × 4 MLF
MIC2155	Sync. Buck	1	4.5 to 14.5	0.7 to 3.6	500k	–40 to +125	External Clock Sync, Power Good, Soft Start	32-pin 5 × 5 MLF
MIC2164	Sync. Buck	1	3.0 to 28	0.8 to 5.5	300k, 600k, 1M	–40 to +125	Soft Start, Internal Compensation and Voltage Bias	10-pin MSOP
MIC2164C	Sync. Buck	1	3.0 to 28	0.8 to 5.5	270k	–40 to +125	Soft Start, Internal Compensation and Voltage Bias	10-pin MSOP
MIC2165	Sync. Buck	1	4.5 to 28	0.8 to 5.5	600k	–40 to +125	Hyper Speed Control® architecture, Power Good, Soft Start, Internal Voltage Bias	10-pin MSOP
MIC2166	Sync. Buck	1	4.5 to 28	0.8 to 5.5	600k	–40 to +125	Power Good, Soft Start, Internal Compensation and Voltage Bias	10-pin MSOP
MIC2168	Sync. Buck	1	3.0 to 14.5	0.8 to 5.5	1.0M	–40 to +125	Soft Start, Internal Compensation and Voltage Bias	10-pin MSOP
MIC2169	Sync. Buck	1	3.0 to 14.5	0.8 to 5.5	500k	–40 to +125	Soft Start, Internal Voltage Bias	10-pin MSOP
MIC2169A	Sync. Buck	1	3.0 to 14.5	0.8 to 5.5	500k	–40 to +125	Soft Start, Internal Voltage Bias	10-pin MSOP
MIC2169B	Sync. Buck	1	3.0 to 14.5	0.8 to 5.5	500k	–40 to +125	Soft Start, Internal Voltage Bias	10-pin MSOP
MIC2176	Sync. Buck	1	4.5 to 75	0.8 to 24	100k, 200k, or 300k	–40 to +125	Soft Start, Internal Compensation and Voltage Bias	10-pin MSOP
MIC2182	Sync. Buck	1	4.5 to 32	1.25 to 6.0	300k	–40 to +85	Skip Mode, External Clock Sync, Soft Start, Internal Voltage Bias	16-pin SOP. 16-pin SSOP
MIC2183	Sync. Buck	1	2.9 to 14	1.3 to 12	200k/400k	–40 to +125	External Clock Sync, Soft Start, Internal Voltage Bias	16-pin SOP. 16-pin QSOP
MIC2125	Sync. Buck	1	4.5 to 28	0.6 to 24	200k to 750k	–40 to +125	HyperLight Load mode, Power Good, Soft Start (7 ms), Internal Voltage Bias, Enable Pin, Current Limit/Short Circuit Protection	16-pin 3 × 3 MLF
MIC2126	Sync. Buck	1	4.5 to 28	0.6 to 24	200k to 750k	–40 to +125	Power Good, Soft Start (7 ms), Internal Voltage Bias, Enable Pin, Current Limit/Short Circuit Protection	16-pin 3 × 3 MLF
MIC2128	Sync. Buck	1	4.5 to 75	0.6 to 30	200k to 800k	–40 to +125	Programmable soft-start/frequency/current-limit, Internal compensation and voltage bias	16-pin 3 × 3 MLF
MIC2184	Async. Buck	1	2.9 to 14	1.3 to 12	200k/400k	–40 to +125	External Clock Sync, Soft Start, Internal Voltage Bias	16-pin SOP. 16-pin QSOP
MIC2185	Boost, SEPIC, Ćuk	1	2.9 to 14	3.3 to 5.5	200k/400k	–40 to +85	Skip Mode, External Clock Sync, Soft Start, Internal Voltage Bias	16-pin SOIC, 16-pin QSOP
MIC2186	Boost, SEPIC, Flyback	1	2.9 to 14	3.3 to 5.5	100/200/400k	–40 to +85	Skip Mode, External Clock Sync, Soft Start, Internal Voltage Bias	16-pin SOP. 16-pin QSOP
MIC2193	Sync. Buck	1	2.9 to 14	3.3 to 5.5	400k	–40 to +125	Internal Voltage Bias, UVLO	8-pin SOIC
MIC2194	Async. Buck	1	2.9 to 14	3.3 to 5.5	400k	–40 to +125	Internal voltage Bias, UVLO, Current Limit/Short Circuit Protection	8-pin SOIC
MIC2196	Boost, SEPIC	1	2.9 to 14	3.3 to 5.5	400k	–40 to +125	Internal voltage Bias, UVLO, Current Limit/Short Circuit Protection	8-pin SOIC
MIC2198	Sync. Buck	1	4.5 to 32	0.8 to 6.0	500k	–40 to +125	Internal voltage Bias, UVLO, Current Limit/Short Circuit Protection	12-pin 4 × 4 MLF
MIC2199	Buck	1	4.5 to 32	0.8 to 6.0	300k	–40 to +125	Internal voltage Bias, UVLO, Current Limit/Short Circuit Protection	12-pin 4 × 4 MLF
MIC3808	Push-Pull, Half Bridge, Full Bridge	1	8.3 to 15	–	Adj. to 1M	–40 to +85	Soft Start, Internal Voltage Bias, UVLO, Current Limit/Short Circuit Protection	8-pin SOP, 8-pin MSOP
MIC3809	Push-Pull, Half Bridge, Full Bridge	1	4.1 to 15	–	Adj. to 1M	–40 to +85	Soft Start, Internal Voltage Bias, UVLO, Current Limit/Short Circuit Protection	8-pin SOP, 8-pin MSOP
MIC3838	Push-Pull, Half Bridge, Full Bridge	1	8.3 to 15	–	Adj. to 1M	–40 to +85	Soft Start, Internal Voltage Bias, UVLO, Current Limit/Short Circuit Protection	10-pin MSOP

POWER MANAGEMENT: PWM Controllers (Continued)

Part #	Supported Topologies	Supported Outputs	Input Voltage Range (V)	Output Voltage (V)	Operating Frequency (Hz)	Operating Temp. Range (°C)	Features	Packages
MIC3839	Push-Pull, Half Bridge, Full Bridge	1	4.1 to 15	–	Adj. to 1M	–40 to +85	Soft Start, Internal Voltage Bias, UVLO, Current Limit/Short Circuit Protection	10-pin MSOP
MIC38C42	Forward, Flyback	1	15.5 to 20	–	Adj. to 500k	–40 to +85	Forward, Flyback Supported Topologies	8-pin PDIP, 14-pin PDIP, 8-pin MSOP, 8-pin SOIC, 14-pin SOIC
MIC38C43	Forward, Flyback	1	9.0 to 20	–	Adj. to 500k	–40 to +85	Forward, Flyback Supported Topologies	8-pin PDIP, 14-pin PDIP, 8-pin MSOP, 8-pin SOIC, 14-pin SOIC
MIC38C44	Forward, Flyback	1	15.5 to 20	–	Adj. to 500k	–40 to +85	Forward, Flyback Supported Topologies	8-pin PDIP, 14-pin PDIP, 8-pin MSOP, 8-pin SOIC, 14-pin SOIC
MIC38C45	Forward, Flyback	1	9.0 to 20	–	Adj. to 500k	–40 to +85	Forward, Flyback Supported Topologies	8-pin PDIP, 14-pin PDIP, 8-pin MSOP, 8-pin SOIC, 14-pin SOIC
MIC38HC42	Forward, Flyback	1	15.5 to 20	–	Adj. to 500k	–40 to +85	Forward, Flyback Supported Topologies	8-pin PDIP, 14-pin PDIP, 8-pin SOIC, 14-pin SOIC
MIC38HC44	Forward, Flyback	1	15.5 to 20	–	Adj. to 500k	–40 to +85	Forward, Flyback Supported Topologies	8-pin PDIP, 14-pin PDIP, 8-pin SOIC, 14-pin SOIC
MIC38HC45	Forward, Flyback	1	9.0 to 20	–	Adj. to 500k	–40 to +85	Forward, Flyback Supported Topologies	8-pin PDIP, 14-pin PDIP, 8-pin SOIC, 14-pin SOIC
MIC9130	Forward, Flyback	1	9.0 to 180	–	Adj. to 1.5M	–40 to +125	Forward, Flyback Supported Topologies, External Clock Sync	16-pin SOIC, 16-pin QSOP
MIC9131	Forward, Flyback	1	9.0 to 180	–	Adj. to 1M	–40 to +125	Forward, Flyback Supported Topologies, External Clock Sync	16-pin SOIC, 16-pin QSOP
MCP1630	Flyback, Boost, SEPIC, Ćuk	1	3.0 to 5.5	–	Sync. to 1M	–40 to +125	External Clock Sync, Current Limit/Short Circuit Protection	8-pin 2x3 DFN, 8-pin MSOP
MCP1630V	Flyback, Boost, SEPIC, Ćuk	1	3.0 to 5.5	–	Sync. to 1M	–40 to +125	External Clock Sync, Current Limit/Short Circuit Protection	8-pin 2x3 DFN, 8-pin MSOP
MCP1631	Flyback, Boost, SEPIC, Ćuk	1	3.0 to 5.5	–	Sync. to 2M	–40 to +125	External Clock Sync, Current Limit/Short Circuit Protection	20-pin TSSOP, 20-pin SSOP, 20 pin 4 x 4 QFN
MCP1631V	Flyback, Boost, SEPIC, Ćuk	1	3.0 to 5.5	–	Sync. to 2M	–40 to +125	External Clock Sync, Current Limit/Short Circuit Protection	20-pin TSSOP, 20-pin SSOP, 20-pin 4 x 4 QFN
MCP1631HV	Flyback, Boost, SEPIC, Ćuk	1	3.5 to 16	–	Sync. to 2M	–40 to +125	External Clock Sync, Current Limit/Short Circuit Protection	20-pin TSSOP, 20-pin SSOP
MCP1631VHV	Flyback, Boost, SEPIC, Ćuk	1	3.5 to 16	–	Sync. to 2M	–40 to +125	External Clock Sync, Current Limit/Short Circuit Protection	20-pin TSSOP, 20-pin SSOP
MCP1632	Flyback, Boost, SEPIC, Ćuk	1	3.0 to 6	–	300k/600k	–40 to +125	Soft Start, Internal Voltage Bias, UVLO, Current Limit/Short Circuit Protection	8-pin MSOP, 8-pin 2 x 3 DFN
MCP19035	Sync. Buck	1	4.5 to 30	–	300k/600k	–40 to +125	Power Good, Soft Start, Internal Voltage Bias, UVLO, Current Limit/Short Circuit Protection	10-pin 3 x 3 DFN

POWER MANAGEMENT: Hybrid PWM Controllers – Digitally Enhanced Power Analog

Part #	Input Voltage Range (V)	Output Voltage (V)	Operating Temp. Range (°C)	Topologies Supported	Integrated MCU	Program Memory Size (kWords)	RAM (bytes)	Features	Packages
MCP19110	4.5 to 32	0.5 to 90% * V _{IN}	–40 to +125	Buck	✓	4	256	Synchronous Buck Analog Controller with integrated MCU, LDO and Synchronous MOSFET Drivers. User-Configurable/Programmable including MOSFET Dead Time, Switching Frequency, Analog Loop Compensation and Protection Thresholds	24-pin 4 x 4 QFN
MCP19111	4.5 to 32	0.5 to 90% * V _{IN}	–40 to +125	Buck	✓	4	256	Contains all features of the MCP19110, with four additional GPIO pins and a debug interface.	28-pin 5 x 5 QFN
MCP19114	4.5 to 42	0.5 to V _{IN} *n (dependent on topology)	–40 to +125	Boost, Flyback, SEPIC, Ćuk	✓	4	256	High-Speed Analog-based PWM Controller with integrated MCU, LDO and Synchronous MOSFET Drivers. User-Configurable/Programmable including MOSFET Dead Time, Switching Frequency, Analog Loop Compensation and Protection Thresholds. An I ² C communication interface is also integrated.	24-pin 4 x 4 QFN
MCP19115	4.5 to 42	0.5 to V _{IN} *n (dependent on topology)	–40 to +125	Boost, Flyback, SEPIC, Ćuk	✓	4	256	Contains all features of the MCP19114, with four additional GPIO pins and a debug interface.	28-pin 5 x 5 QFN
MCP19116	4.5 to 42	0.5 to V _{IN} *n (dependent on topology)	–40 to +125	Boost, Flyback, SEPIC, Ćuk	✓	8	336	Contains all features of MCP19114, with improved current control accuracy, additional code space, and other added benefits.	24-pin 4 x 4 QFN
MCP19117	4.5 to 42	0.5 to V _{IN} *n (dependent on topology)	–40 to +125	Boost, Flyback, SEPIC, Ćuk	✓	8	336	Contains all features of the MCP19116, with four additional GPIO pins and a debug interface.	28-pin 5 x 5 QFN
MCP19118	4.5 to 40	0.5 to 90% * V _{IN}	–40 to +125	Buck	✓	4	256	40V DC operation, 48V transient capability, Synchronous Buck Analog Controller with integrated MCU, LDO and Synchronous MOSFET Drivers. User-Configurable/Programmable including MOSFET Dead Time, Switching Frequency, Analog Loop Compensation and Protection Thresholds	24-pin 4 x 4 QFN
MCP19119	4.5 to 40	0.5 to 90% * V _{IN}	–40 to +125	Buck	✓	4	256	Contains all features of the MCP19119, with four additional GPIO pins and a debug interface.	28-pin 5 x 5 QFN
MCP19124	4.5 to 42	0.5 to V _{IN} *n (dependent on topology)	–40 to +125	Boost, Flyback, SEPIC, Ćuk	✓	4	256	Dual independent voltage and current control loops allow seamless transitions from constant voltage to constant current regulation. Integrated MCU, LDO, synchronous MOSFET drivers, temp sensor, ADC, and full analog control loop. User configurable output set points, dead time, switching frequency and protection thresholds.	24-pin 4 x 4 QFN
MCP19125	4.5 to 42	0.5 to V _{IN} *n (dependent on topology)	–40 to +125	Boost, Flyback, SEPIC, Ćuk	✓	4	256	Contains all the features of the MCP19124, with four additional GPIO pins and a debug interface	28-pin 5 x 5 QFN

POWER MANAGEMENT: Power Modules

Part #	Input Voltage Range (V)	Output Voltage (V)	Operating Temp. Range (°C)	Control Scheme	Switching Frequency (kHz)	V _{OUT} Max. (V)	Output Current (A)	Features	Packages
MIC28304-1	4.5 to 70	Adj.	-40 to +125	COT	600	24	3	HyperLight Load® Mode, Power Good, Soft Start	64-pin 12 × 12 QFN
MIC28304-2	4.5 to 70	Adj.	-40 to +125	COT	600	24	3	Hyper Speed Control® Architecture, Power Good, Soft Start	64-pin 12 × 12 QFN
MIC45205-1	4.5 to 26	Adj.	-40 to +125	COT	200–600	5.5	6	HyperLight Load Mode, Power Good, Soft Start	52-pin 8 × 8 QFN
MIC45205-2	4.5 to 26	Adj.	-40 to +125	COT	200–600	5.5	6	Hyper Speed Control Architecture, Power Good, Soft Start	52-pin 8 × 8 QFN
MIC45208-1	4.5 to 26	Adj.	-40 to +125	COT	200–600	5.5	10	HyperLight Load Mode, Power Good, Soft Start	52-pin 10 × 10 QFN
MIC45208-2	4.5 to 26	Adj.	-40 to +125	COT	200–600	5.5	10	Hyper Speed Control Architecture, Power Good, Soft Start	52-pin 10 × 10 QFN
MIC45212-1	4.5 to 26	Adj.	-40 to +125	COT	200–600	5.5	14	HyperLight Load Mode, Power Good, Soft Start	64-pin 12 × 12 QFN
MIC45212-2	4.5 to 26	Adj.	-40 to +125	COT	200–600	5.5	14	Hyper Speed Control Architecture, Power Good, Soft Start	64-pin 12 × 12 QFN
MIC33030	2.7 to 5.5	1.2, 1.8, Adj.	-40 to +125	PWM	8,000	3.6	0.4	HyperLight Load Mode	10-pin 2.5 × 2.0 MLF®
MIC33050	2.7 to 5.5	1.0, 1.2, 1.8, 3.3, Adj.	-40 to +125	PWM	4,000	3.3	0.6	HyperLight Load Mode	12-pin 3 × 3 MLF
MIC33153	2.7 to 5.5	1.2, Adj.	-40 to +125	PWM	4,000	3.6	1.2	HyperLight Load Mode, Power Good, Soft Start	14-pin 3 × 3.5 MLF
MIC3385	2.7 to 5.5	1.5, Adj.	-40 to +125	PWM	8,000	5.5	0.6	LowQ	14-pin 3 × 3.5 MLF
MIC28303-1	4.5 to 50	Adj.	-40 to +125	COT	600	24	3	HyperLight Load Mode, Power Good, Soft Start	64-pin 12 × 12 QFN
MIC28303-2	4.5 to 50	Adj.	-40 to +125	COT	600	24	3	Hyper Speed Control Architecture, Power Good, Soft Start	64-pin 12 × 12 QFN
MIC45116-1	4.5 to 20	Adj.	-40 to +125	COT	600	17	6	HyperLight Load Mode, Power Good, Soft Start	52-pin 8 × 8 QFN
MIC45116-2	4.5 to 20	Adj.	-40 to +125	COT	600	17	6	Hyper Speed Control Architecture, Power Good, Soft Start	52-pin 8 × 8 QFN
MIC45404	4.5 to 19	Selectable	-40 to +125	Fixed	400–790	3.3	5	Power Good, Soft Start	64-pin 6 × 10 QFN

POWER MANAGEMENT: Charge Pump DC-to-DC Converters

Part #	Configuration	Input Voltage Range (V)	Output Voltage (V)	Typical Output Current (mA)	Switching Frequency (kHz)	Supply Current (I _S , floating output μ A, 25 °C)	Output Resistance (Ω , at typical output current, 25 °C)	Power Conversion Efficiency (%)	Features	Packages
Inverting or Doubling Charge Pumps										
TC682	Inverted doubling	2.4 to 5.5	-2*V _{IN}	10	12	185	140	92% at 2.5 mA	–	8-pin SOIC and 8-pin PDIP
TC1240A	Doubling	2.5 to 5	2*V _{IN}	20	80	550	12	94% at 5 mA	Shutdown	6-pin SOT-23
TC7660S	Inverting or doubling	1.5 to 12	-V _{IN} or 2* V _{IN}	20	10 or 45	80	60	98% at 1 mA	Boost pin increases switching frequency	8-pin SOIC and 8-pin PDIP
TC7660H	Inverting or doubling	1.5 to 10	-V _{IN} or 2* V _{IN}	20	120	1000	55	85% at 10 mA	High-voltage oscillator	8-pin SOIC and 8-pin PDIP
TC7662B	Inverting or doubling	1.5 to 15	-V _{IN} or 2* V _{IN}	20	10 or 35	80	65	96% at 1 mA	Boost pin increases switching frequency	8-pin SOIC and 8-pin PDIP
TC7662A	Inverting or doubling	3 to 18	-V _{IN} or 2* V _{IN}	40	12	190	50	97% at 7.5 mA	No low-voltage terminal required	8-pin PDIP
TC962	Inverting or doubling	3 to 18	-V _{IN} or 2* V _{IN}	80	12 or 24	190	35	97% at 7.5 mA	Boost pin increases switching frequency	16-pin SOIC, 8-pin PDIP
Regulated Charge Pumps										
MCP1256	Regulated	1.8 to 3.6	3.3	100	650	2300	N/A	85% at 50 mA	Soft start, shutdown, power good signal and sleep mode	10-pin MSOP and 10-pin 3 × 3 DFN
MCP1257	Regulated	1.8 to 3.6	3.3	100	650	2300	N/A	85% at 50 mA	Soft start, shutdown, low battery warning signal, and sleep mode	10-pin MSOP and 10-pin 3 × 3 DFN
MCP1258	Regulated	1.8 to 3.6	3.3	100	650	2300	N/A	85% at 50 mA	Soft start, shutdown, power good signal and bypass mode	10-pin MSOP and 10-pin 3 × 3 DFN
MCP1259	Regulated	1.8 to 3.6	3.3	100	650	2300	N/A	85% at 50 mA	Soft start, shutdown, low battery warning signal, and bypass mode	10-pin MSOP and 10-pin 3 × 3 DFN
MCP1252	Regulated	2.0 to 5.5	3.3, 5.0, or adjustable	150	650	60	N/A	81% at 10 mA	Shutdown, power good, regulated output, adjustable version	8-pin MSOP
MCP1253	Regulated	2.0 to 5.5	3.3, 5.0, or adjustable	150	1000	60	N/A	81% at 10 mA	Shutdown, power good, regulated output, adjustable version	8-pin MSOP

POWER MANAGEMENT: CPU/System Supervisors

Part #	Type	Watchdog Timer	Manual Reset	Power Fail	Operating Temp. Range (°C)	Vcc Range (V)	Nominal Reset Voltage (V)	Reset Type	Output	Typical Reset Pulse Width (ms)	Typical Supply Current (µA)	Packages
MCP100	Supervisor	–	–	–	–40 to +85	1.0–5.5	2.7, 3, 3.15, 4.5, 4.6, 4.75, 4.85	Active Low	Push-Pull	350	45	3-pin SOT-23, 3-pin TO-92
MCP101	Supervisor	–	–	–	–40 to +85	1.0–5.5	2.7, 3, 3.15, 4.5, 4.6, 4.75, 4.85	Active High	Push-Pull	350	45	3-pin SOT-23, 3-pin TO-92
MCP102	Supervisor	–	–	–	–40 to +125	1.0–5.5	1.95 (I-Temp), 2.4, 2.7, 3, 3.15, 4.5, 4.75	Active Low	Push-Pull	120	1	3-pin SC-70, 3-pin SOT-23, 8-pin SOIC 150 mil, 3-pin TO-92
MCP103	Supervisor	–	–	–	–40 to +125	1.0–5.5	1.95 (I-Temp), 2.4, 2.7, 3, 3.15, 4.5, 4.75	Active Low	Push-Pull	120	1	3-pin SC-70, 3-pin SOT-23
MCP120	Supervisor	–	–	–	–40 to +85	1.0–5.5	2.7, 3, 3.15, 4.5, 4.6, 4.75, 4.85	Active Low	Open-Drain	350	45	3-pin SOT-23, 8-pin SOIC 150 mil, 3-pin TO-92
MCP121	Supervisor	–	–	–	–40 to +125	1.0–5.5	1.95 (I-Temp), 2.4, 2.7, 3, 3.15, 4.5, 4.75	Active Low	Open-Drain	120	1	3-pin SC-70, 3-pin SOT-23, 8-pin SOIC 150 mil, 3-pin TO-92
MCP130	Supervisor	–	–	–	–40 to +85	1.0–5.5	2.7, 3, 3.15, 4.5, 4.6, 4.75, 4.85	Active Low	Open-Drain	350	45	3-pin SOT-23, 8-pin SOIC 150 mil, 3-pin TO-92
MCP131	Supervisor	–	–	–	–40 to +125	1.0–5.5	1.95 (I-Temp), 2.4, 2.7, 3, 3.15, 4.5, 4.75	Active Low	Open-Drain	120	1	3-pin SC-70, 3-pin SOT-23, 8-pin SOIC 150 mil, 3-pin TO-92
MCP1316	Supervisor	✓	✓	–	–40 to +125	1.0–5.5	2.9, 4.6, (2.0–2.4V=I-Temp, 2.4–4.7=Ext)	Active Low	Push-Pull	200	1	5-pin SOT-23
MCP1316M	Supervisor	✓	✓	–	–40 to +125	1.0–5.5	2.9, 4.6, (2.0–2.4V=I-Temp, 2.4–4.7=Ext)	Active Low	Open-Drain	200	1	5-pin SOT-23
MCP1317	Supervisor	✓	✓	–	–40 to +125	1.0–5.5	2.9, 4.6, (2.0–2.4V=I-Temp, 2.4–4.7=Ext)	Active High	Push-Pull	200	1	5-pin SOT-23
MCP1318	Supervisor	✓	–	–	–40 to +125	1.0–5.5	2.9, 4.6, (2.0–2.4V=I-Temp, 2.4–4.7=Ext)	Active Low/High or High/Low	Dual Output Open-Drain and/or Push-Pull	200	1	5-pin SOT-23
MCP1318M	Supervisor	✓	–	–	–40 to +125	1.0–5.5	2.9, 4.6, (2.0–2.4V=I-Temp, 2.4–4.7=Ext)	Active Low/High or High/Low	Dual Output Open-Drain and/or Push-Pull	200	1	5-pin SOT-23
MCP1319	Supervisor	–	✓	–	–40 to +125	1.0–5.5	2.9, 4.6, (2.0–2.4V=I-Temp, 2.4–4.7=Ext)	Active Low/High or High/Low	Dual Output Open-Drain and/or Push-Pull	200	1	5-pin SOT-23
MCP1319M	Supervisor	–	✓	–	–40 to +125	1.0–5.5	2.9, 4.6, (2.0–2.4V=I-Temp, 2.4–4.7=Ext)	Active Low/High or High/Low	Dual Output Open-Drain and/or Push-Pull	200	1	5-pin SOT-23
MCP1320	Supervisor	✓	✓	–	–40 to +125	1.0–5.5	2.9, 4.6, (2.0–2.4V=I-Temp, 2.4–4.7=Ext)	Active Low	Open-Drain	200	1	5-pin SOT-23
MCP1321	Supervisor	✓	–	–	–40 to +125	1.0–5.5	2.9, 4.6, (2.0–2.4V=I-Temp, 2.4–4.7=Ext)	Active Low/High or High/Low	Dual Output Open-Drain and/or Push-Pull	200	1	5-pin SOT-23
MCP1322	Supervisor	–	✓	–	–40 to +125	1.0–5.5	2.9, 4.6, (2.0–2.4V=I-Temp, 2.4–4.7=Ext)	Active Low/High or High/Low	Dual Output Open-Drain and/or Push-Pull	200	1	5-pin SOT-23
MCP809	Supervisor	–	–	–	–40 to +85	1.0–5.5	2.7, 3.0, 3.15, 4.5, 4.6, 4.75, 4.85	Active Low	Push-Pull	350	45	3-pin SOT-23
MCP810	Supervisor	–	–	–	–40 to +85	1.0–5.5	2.7, 3.0, 3.15, 4.5, 4.6, 4.75, 4.85	Active High	Push-Pull	350	45	3-pin SOT-23
TC1232	Supervisor	✓	✓	–	–40 to +85	4.5–5.5	4.5, 4.75	Active Low/High or High/Low	Dual Output Open-Drain and/or Push-Pull	610	50	8-pin PDIP, 16-pin SOIC 300 mil, 8-pin SOIC 150 mil
TC1270A	Supervisor	–	✓	–	–40 to +125	1.0–5.5	2.7, 3, 3.15, 4.5, 4.75	Active Low	Push-Pull	280	7	4-pin SOT-143, 5-pin SOT-23
TC1270AN	Supervisor	–	✓	–	–40 to +125	1.0–5.5	2.7, 3, 3.15, 4.5, 4.75	Active Low	Open-Drain	280	7	4-pin SOT-143, 5-pin SOT-23
TC1271A	Supervisor	–	✓	–	–40 to +125	1.0–5.5	2.7, 3, 3.15, 4.5, 4.75	Active High	Push-Pull	280	7	4-pin SOT-143, 5-pin SOT-23
TC1272A	Supervisor	–	–	–	–40 to +125	1.0–5.5	4.50, 4.25, 3.89, 3.00, 2.85, 2.55, 2.25	Active Low	Push-Pull	140	12	3-pin SOT-23
TC32M	Supervisor	✓	–	–	–40 to +85	4.5–5.5	4.25	Active Low	Open-Drain	500	50	3-pin TO-92, 3-pin SOT-223
TCM809	Supervisor	–	–	–	–40 to +125	1.0–5.5	4.50, 4.25, 3.89, 3.00, 2.85, 2.55, 2.25	Active Low	Push-Pull	140	12	3-pin SC-70, 3-pin SOT-23
TCM810	Supervisor	–	–	–	–40 to +125	1.0–5.5	4.50, 4.25, 3.89, 3.00, 2.85, 2.55, 2.25	Active High	Push-Pull	140	12	3-pin SC-70, 3-pin SOT-23
MIC705	Supervisor	✓	✓	✓	–40 to +85	1.5–5.5	4.65	Active Low	Push-Pull	140	30	8-pin SOIC
MIC706	Supervisor	✓	✓	✓	–40 to +85	1.5–5.5	4.4	Active Low	Push-Pull	140	30	8-pin SOIC
MIC707	Supervisor	–	–	✓	–40 to +85	1.5–5.5	4.65	Active Low/High or High/Low	Push-Pull	140	30	8-pin SOIC
MIC708	Supervisor	–	–	✓	–40 to +85	1.5–5.5	4.4	Active Low/High or High/Low	Push-Pull	140	30	8-pin SOIC
MIC803	Supervisor	–	–	–	–40 to +125	1.0–5.5	2.63, 2.93, 3.00, 3.08, 4.00, 4.10, 4.38, 4.63	Active Low	Open-Drain	20/140/1100	5	3-pin SOT23, 3-pin SC70
MIC809	Supervisor	–	–	–	–40 to +85	1.4–5.5	2.63, 2.93, 3.08, 4.00, 4.38, 4.63	Active Low	Push-Pull	140	5	3-pin SOT23, 3-pin SC70
MIC809-5	Supervisor	–	✓	–	–40 to +125	1.4–5.5	2.93	Active Low	Push-Pull	30	0	3-pin SOT23, 3-pin SC70

POWER MANAGEMENT: CPU/System Supervisors (Continued)

Part #	Type	Watchdog Timer	Manual Reset	Power Fail	Operating Temp. Range (°C)	Vcc Range (V)	Nominal Reset Voltage (V)	Reset Type	Output	Typical Reset Pulse Width (ms)	Typical Supply Current (µA)	Packages
MIC810	Supervisor	–	–	–	–40 to +85	1.4–5.5	2.63, 2.93, 3.08, 4.00, 4.38, 4.63	Active Low/High or High/Low	Push-Pull	140	5	3-pin SOT23, 3-pin SC70
MIC811	Supervisor	–	✓	–	–40 to +85	1.4–5.5	2.63, 2.93, 3.08, 4.00, 4.38, 4.63	Active Low	Push-Pull	140	5	SOT143
MIC812	Supervisor	–	✓	–	–40 to +85	1.4–5.5	2.63, 2.93, 3.08, 4.00, 4.38, 4.63	Active Low/High or High/Low	Push-Pull	140	5	SOT143
MIC1810	Supervisor	–	–	–	–40 to +85	1.5–5.5	4.12, 4.37, 4.62	Active Low	Push-Pull	100	5	3-pin SOT23
MIC1815	Supervisor	–	–	–	–40 to +85	1.5–5.5	2.55, 2.88	Active Low	Push-Pull	100	5	3-pin SOT23
MIC1232	Supervisor	✓	–	–	–40 to +85	4.5–5.5	4.37, 4.62	Active Low/High or High/Low	Push-Pull	250	18	8-pin SOIC, 8-pin PDIP
MIC1832	Supervisor	✓	✓	–	–40 to +85	1.4–5.5	2.55, 2.88	Active Low/High or High/Low	Push-Pull	250	15	8-pin SOIC, 8-pin PDIP
MIC2755	Supervisor	–	✓	–	–40 to +85	1.5–5.5	1.24	Active Low	Open-Drain	700	2	8-pin MSOP
MIC2775	Supervisor	–	✓	–	–40 to +85	1.5–5.5	1.69, 2.25, 2.34, 2.53, 2.67, 2.81, 2.93, 3.09, 4.43, 4.68	Active Low/High or High/Low	Push-Pull	140	5	5-pin SOT23
MIC2776N	Supervisor	–	✓	–	–40 to +85	1.5–5.5	0.3	Active Low	Open-Drain	140	3	5-pin SOT23
MIC2776H	Supervisor	–	✓	–	–40 to +85	1.5–5.5	0.3	Active High	Push-Pull	140	3	5-pin SOT23
MIC2776L	Supervisor	–	✓	–	–40 to +85	1.5–5.5	0.3	Active Low	Push-Pull	140	3	5-pin SOT23
MIC2778	Supervisor	–	–	–	–40 to +85	1.5–5.5	1.24 with adjustable hysteresis	Active Low	Open-Drain	140	1	5-pin SOT23
MIC2779H	Supervisor	–	–	–	–40 to +85	1.5–5.5	1.24 with adjustable hysteresis	Active High	Push-Pull	140	1	5-pin SOT23
MIC2779L	Supervisor	–	–	–	–40 to +85	1.5–5.5	1.24 with adjustable hysteresis	Active Low	Push-Pull	140	1	5-pin SOT23
MIC2785	Supervisor	–	✓	–	–40 to +85	1.5–5.5	1.62	Active Low	Push-Pull	0.025	5	6-pin 1.2 × 1.2 QFN
MIC6315	Supervisor	–	✓	–	–40 to +85	1.4–5.5	2.63, 2.93, 3.00, 3.08, 4.00, 4.10, 4.38, 4.63	Active Low	Open-Drain	20/140/1100	5	4-pin SOT143
MIC8114	Supervisor	–	✓	–	–40 to +85	1.0–5.5	3.08	Active Low	Push-Pull	790	5	4-pin SOT143
MIC8115	Supervisor	–	✓	–	–40 to +85	1.0–5.5	3.08	Active Low	Push-Pull	1100	5	4-pin SOT143
MIC826	Supervisor	✓	✓	–	–40 to +125	1.0–5.5	1.665, 2.188, 2.315, 2.625, 2.925, 3.075, 4.375, 4.625	Active Low/High or High/Low	Push-Pull	140	4	6-pin 1.6 × 1.6 DFN
MIC706P/R/S/T	Supervisor	✓	✓	✓	–40 to +85	1.5–5.5	2.63, 2.93, 3.08	Active Low	Push-Pull	140	30	8-pin SOIC
MIC708P/R/S/T	Supervisor	–	–	✓	–40 to +85	1.5–5.5	2.63, 2.93, 3.08	Active Low/High or High/Low	Push-Pull	140	30	8-pin SOIC
TC51	Detector	–	–	–	–40 to +85	0.7–10	2.94, 2.65, 2.16 (1.6-6V)	Active Low	Open-Drain	50	2	3-pin SOT-23A
TC54	Detector	–	–	–	–40 to +85	0.7–10	4.21, 4.12, 2.94, 2.84, 2.65, 2.06, 1.37 (1.4-6V)	Active Low	CMOS Push-Pull or Open drain	0	1	3-pin SOT-89, 3-pin TO-92, 5-pin SOT-23, 3-pin SOT-23A
MCP111	Detector	–	–	–	–40 to +125	1.0–5.5	1.87(Itemp), 2.29, 2.59, 2.86, 2.87, 3.03, 4.31, 4.56	Active Low	Open-Drain	0	1	3-pin SC-70, 3-pin SOT-89, 3-pin SOT-23, 3-pin TO-92
MCP112	Detector	–	–	–	–40 to +125	1.0–5.5	1.87(Itemp), 2.29, 2.59, 2.86, 2.87, 3.03, 4.31, 4.56	Active Low	Push-Pull	0	1	3-pin SC-70, 3-pin SOT-89, 8-pin PDIP, 3-pin SOT-23, 3-pin TO-92
TC52	Detector	–	–	–	–40 to +85	1.5–10	4.41, 2.65 (1.5-5V)	Active Low	Open-Drain	0	3	5-pin SOT-23
TC53	Detector	–	–	–	–40 to +85	1.5–10	2.84, 2.65, 2.16 (1.6-6V, 7V)	Active Low	CMOS Push-Pull or Open drain	0	2	5-pin SOT-23
MIC2772	Dual	–	✓	–	–40 to +85	1.0–5.5	2.93, 3.08, 4.38, 4.63	Active Low	Open-Drain	20/140/1100	10	8-pin 2 × 2 MLF
MIC2774N	Dual	–	✓	–	–40 to +85	1.5–5.5	1.69, 2.25, 2.34, 2.53, 2.67, 2.81, 2.93, 3.09, 4.43, 4.68	Active Low	Open-Drain	140	3.5	5-pin SOT23
MIC2774H	Dual	–	✓	–	–40 to +85	1.5–5.5	1.69, 2.25, 2.34, 2.53, 2.67, 2.81, 2.93, 3.09, 4.43, 4.68	Active High	Push-Pull	140	3.5	5-pin SOT23
MIC2774L	Dual	–	✓	–	–40 to +85	1.5–5.5	1.69, 2.25, 2.34, 2.53, 2.67, 2.81, 2.93, 3.09, 4.43, 4.68	Active Low	Push-Pull	140	3.5	5-pin SOT23
MIC2777	Dual	–	–	–	–40 to +85	1.5–5.5	1.69, 2.25, 2.34, 2.53, 2.67, 2.81, 2.93, 3.09, 4.43, 4.68	Active Low/High or High/Low	Push-Pull	140	3.5	5-pin SOT23
MIC2782	Push Button	–	Dual	–	–40 to +85	1.5–5.5	Custom options	Active Low	Open-Drain	500/1000/2000	2.2	6-pin 0.8 × 1.2 CSP
MIC2790	Push Button	–	✓	–	–40 to +125	1.5–5.5	0.4	Active Low/High or High/Low	Dual Output Open-Drain and/or Push-Pull	1.05	40	8-pin 2 × 2 DFN
MIC2791	Push Button	–	✓	–	–40 to +125	1.5–5.5	0.4	Active Low/High or High/Low	Dual Output Open-Drain and/or Push-Pull	1.05	40	6-pin 1.6 × 1.6 DFN
MIC2793	Push Button	–	✓	–	–40 to +125	1.5–5.5	0.4	Active Low/High or High/Low	Dual Output Open-Drain and/or Push-Pull	1.05	40	8-pin 2 × 2 DFN

POWER MANAGEMENT: Power MOSFET Drivers										
Part #	Drivers	Configuration	Peak Output Current (source/sink, A)	Maximum Supply Voltage (V)	Output Resistance (source/sink, Ω)	Propagation Delay (T_{d1}/T_{d2} , ns)	Rise/Fall Time (T_r/T_f , ns)	Capacitive Load Drive	Features	Packages
Low-Side Power MOSFET Drivers										
MCP1401	Single	Inverting	0.5/0.5	18	12/10	35/35	19/15	470 pF in 19 ns	Small footprint	5-pin SOT-23
MCP14A0051	Single	Inverting	0.5/0.5	18	6.5/4.5	40/31	51/39	1000 pF in 40 ns	Enable pin, small footprint	6-pin SOT-23, 6-pin 2 x 2 DFN
MCP14A0052	Single	Non-inverting	0.5/0.5	18	6.5/4.5	40/31	51/39	1000 pF in 40 ns	Enable pin, small footprint	6-pin SOT-23, 6-pin 2 x 2 DFN
MCP1402	Single	Non-inverting	0.5/0.5	18	12/10	35/35	19/15	470 pF in 19 ns	Small footprint	5-pin SOT-23
TC1410N	Single	Non-inverting	0.5/0.5	16	16/16	30/30	25/25	500 pF in 25 ns		8-pin SOIC, 8-pin MSOP, 8-pin PDIP
TC1411N	Single	Non-inverting	1.0/1.0	16	8/8	30/30	25/25	1000 pF in 25 ns		8-pin SOIC, 8-pin MSOP, 8-pin PDIP
MIC4416	Single	Non-Inverting	1.2/1.2	18	3.5/3.5	42/42	3.5/3.5	1000 pF in 24 ns		SOT-143
MIC4417	Single	Inverting	1.2/1.2	18	3.5/3.5	37/37	3.5/3.5	1000 pF in 24 ns		SOT-143
TC1426	Dual	Inverting	1.2/1.2	16	12/8	75/75	25/35	1000 pF in 38 ns		8-pin SOIC, 8-pin PDIP
TC1427	Dual	Non-inverting	1.2/1.2	16	12/8	75/75	25/35	1000 pF in 38 ns		8-pin SOIC, 8-pin PDIP
TC1428	Dual	Complimentary	1.2/1.2	16	12/8	75/75	25/35	1000 pF in 38 ns		8-pin SOIC, 8-pin PDIP
MIC4467	Quad	Inverting	1.2/1.2	18	5/5	35/55	5/5	470 pF in 14 ns	Latch-up Protected; Input to -5V	16-pin WSOIC, 14-pin PDIP
MIC4468	Quad	Non-inverting	1.2/1.2	18	5/5	35/55	5/5	470 pF in 14 ns	Latch-up Protected; Input to -5V	16-pin WSOIC, 14-pin PDIP
MIC4469	Quad	Complimentary	1.2/1.2	18	5/5	35/55	5/5	470 pF in 14 ns	Latch-up Protected; Input to -5V. SMD (Military)	16-pin WSOIC, 14-pin PDIP, 14-pin CerDIP
TC4467	Quad	Inverting	1.2/1.2	18	10/10	40/40	15/15	470 pF in 15 ns		16-pin SOIC, 14-pin PDIP
TC4468	Quad	Non-inverting	1.2/1.2	18	10/10	40/40	15/15	470 pF in 15 ns		16-pin SOIC, 14-pin PDIP
TC4469	Quad	Complimentary	1.2/1.2	18	10/10	40/40	15/15	470 pF in 15 ns		16-pin SOIC, 14-pin PDIP
MCP14A0151	Single	Inverting	1.5/1.5	18	17/10	41/32	18.5/17	1000 pF in 11.5 ns	Low Input Threshold and Enable Pin	6-pin SOT-23, 6-pin 2 x 2 DFN
MCP14A0152	Single	Non-inverting	1.5/1.5	18	17/10	41/32	18.5/17	1000 pF in 11.5 ns	Low Input Threshold and Enable Pin	6-pin SOT-23, 6-pin 2 x 2 DFN
MCP1415	Single	Inverting	1.5/1.5	18	6/4	41/48	20/20	470 pF in 13 ns	Small footprint	5-pin SOT-23
MCP1416	Single	Non-inverting	1.5/1.5	18	6/4	41/48	20/20	470 pF in 13 ns	Small footprint	5-pin SOT-23
MIC4414	Single	Non-inverting	1.5/1.5	18	3.5/3.5	12/12	12/12	1000 pF in 12 ns	Very small footprint	1.2 x 1.2 QFN
MIC4415	Single	Inverting	1.5/1.5	18	3.5/3.5	12/12	12/12	1000 pF in 12 ns	Very small footprint	1.2 x 1.2 QFN
TC4626	Single	Inverting	1.5/1.5	6	10/8	35/45	33/27	1000 pF in 40 ns	Boosted drive voltage	16-pin SOIC, 8-pin PDIP
TC4627	Single	Non-inverting	1.5/1.5	6	10/8	35/45	33/27	1000 pF in 40 ns	Boosted drive voltage	16-pin SOIC, 8-pin PDIP
TC4404	Single	Inverting	1.5/1.5	18	7/7	40/60	40/40	1000 pF in 30 ns		8-pin SOIC, 8-pin PDIP
TC4405	Single	Non-inverting	1.5/1.5	18	7/7	40/60	40/40	1000 pF in 30 ns		8-pin SOIC, 8-pin PDIP
MCP14A0153	Dual	Inverting	1.5/1.5	18	4.5/3	32/24	11/10	1000 pF in 11.5 ns	Low Input Threshold and Enable Pin	8-pin SOIC, 8-pin MSOP, 8-pin 2 x 3 DFN
MCP14A0154	Dual	Non-inverting	1.5/1.5	18	4.5/3	32/24	11/10	1000 pF in 11.5 ns	Low Input Threshold and Enable Pin	8-pin SOIC, 8-pin MSOP, 8-pin 2 x 3 DFN
MCP14A0155	Dual	Complimentary	1.5/1.5	18	4.5/3	32/24	11/10	1000 pF in 11.5 ns	Low Input Threshold and Enable Pin	8-pin SOIC, 8-pin MSOP, 8-pin 2 x 3 DFN
TC4426A	Dual	Inverting	1.5/1.5	18	7/7	30/30	25/25	1000 pF in 25 ns		8-pin SOIC, 8-pin MSOP, 8-pin PDIP, 8-pin 6 x 5 DFN-S
TC4427A	Dual	Non-inverting	1.5/1.5	18	7/7	30/30	25/25	1000 pF in 25 ns		8-pin SOIC, 8-pin MSOP, 8-pin PDIP, 8-pin 6 x 5 DFN-S
TC4428A	Dual	Complimentary	1.5/1.5	18	7/7	30/30	25/25	1000 pF in 25 ns		8-pin SOIC, 8-pin MSOP, 8-pin PDIP, 8-pin 6 x 5 DFN-S
MIC4426	Dual	Inverting	1.5/1.5	18	10/10	17/23	18/15	1000 pF in 18 ns		8-pin SOIC, 8-pin MSOP, 8-pin PDIP, 8-pin CerDIP
MIC4427	Dual	Non-inverting	1.5/1.5	18	10/10	17/23	18/15	1000 pF in 18 ns		8-pin SOIC, 8-pin MSOP, 8-pin PDIP, 8-pin CerDIP
MIC4428	Dual	Complimentary	1.5/1.5	18	10/10	17/23	18/15	1000 pF in 18 ns		8-pin SOIC, 8-pin MSOP, 8-pin PDIP, 8-pin CerDIP
MIC4126	Dual	Inverting	1.5/1.5	20	10/10	37/40	13/15	1000 pF in 13 ns		8-pin eSOIC, 8-pin eMSOP-8, 3 x 3
MIC4127	Dual	Non-inverting	1.5/1.5	20	10/10	37/40	13/15	1000 pF in 13 ns		8-pin eSOIC, 8-pin eMSOP-8, 3 x 3
MIC4128	Dual	Complimentary	1.5/1.5	20	10/10	37/40	13/15	1000 pF in 13 ns		8-pin eSOIC, 8-pin eMSOP-8, 3 x 3
MCP14E6	Dual	Inverting	2.0/2.0	18	5/5	45/45	12/15	1000 pF in 15 ns	Enable pin	8-pin SOIC, 8-pin PDIP, 8-pin 6 x 5 DFN
MCP14E7	Dual	Non-inverting	2.0/2.0	18	5/5	45/45	12/15	1000 pF in 15 ns	Enable pin	8-pin SOIC, 8-pin PDIP, 8-pin 6 x 5 DFN

POWER MANAGEMENT: Power MOSFET Drivers (Continued)

Part #	Drivers	Configuration	Peak Output Current (source/sink, A)	Maximum Supply Voltage (V)	Output Resistance (source/sink, Ω)	Propagation Delay (T _{d1} /T _{d2} , ns)	Rise/Fall Time (T _r /T _f , ns)	Capacitive Load Drive	Features	Packages
Low-Side Power MOSFET Drivers (Continued)										
MCP14E8	Dual	Complimentary	2.0/2.0	18	5/5	45/45	12/15	1000 pF in 15 ns	Enable pin	8-pin SOIC, 8-pin PDIP, 8-pin 6 × 5 DFN
TC1412	Single	Inverting	2.0/2.0	16	4/4	35/35	18/18	1000 pF in 18 ns		8-pin SOIC, 8-pin MSOP, 8-pin PDIP
TC1412N	Single	Non-Inverting	2.0/2.0	16	4/4	35/35	18/18	1000 pF in 18 ns		8-pin SOIC, 8-pin MSOP, 8-pin PDIP
MIC4478	Dual	Non-Inverting	2.5/2.5	32	6/3	160/70	120/45	1,000pF in 45 ns		8-pin SOIC
MIC4479	Dual	Inverting	2.5/2.5	32	6/3	160/70	120/45	1,000pF in 45 ns		8-pin SOIC
MIC4480	Dual	Complimentary	2.5/2.5	32	6/3	160/70	120/45	1,000pF in 45 ns		8-pin SOIC
TC4423A	Dual	Inverting	3.0/3.0	18	2.2/2.8	40/41	12/12	1800 pF in 12 ns		8-pin SOIC, 16-pin SOIC, 8-pin PDIP, 8-pin 6 × 5 DFN
TC4424A	Dual	Non-Inverting	3.0/3.0	18	2.2/2.8	40/41	12/12	1800 pF in 12 ns		8-pin SOIC, 16-pin SOIC, 8-pin PDIP, 8-pin 6 × 5 DFN
TC4425A	Dual	Complimentary	3.0/3.0	18	2.2/2.8	40/41	12/12	1800 pF in 12 ns		8-pin SOIC, 16-pin SOIC, 8-pin PDIP, 8-pin 6 × 5 DFN
MCP14E9	Dual	Inverting	3.0/3.0	18	4/4	45/45	14/17	1800 pF in 17 ns	Enable pin	8-pin SOIC, 8-pin PDIP, 8-pin 6 × 5 DFN
MCP14E10	Dual	Non-Inverting	3.0/3.0	18	4/4	45/45	14/17	1800 pF in 17 ns	Enable pin	8-pin SOIC, 8-pin PDIP, 8-pin 6 × 5 DFN
MCP14E11	Dual	Complimentary	3.0/3.0	18	4/4	45/45	14/17	1800 pF in 17 ns	Enable pin	8-pin SOIC, 8-pin PDIP, 8-pin 6 × 5 DFN
TC1413N	Single	Non-Inverting	3.0/3.0	16	2.7/2.7	35/35	20/20	1800 pF in 20 ns		8-pin SOIC, 8-pin MSOP, 8-pin PDIP
MAQ4123	Dual	Inverting	3.0/3.0	20	5/5	40/60	11/11	1,800 pF in 11 ns		8-pin eSOIC, 4 × 4
MAQ4124	Dual	Non-Inverting	3.0/3.0	20	5/5	40/60	11/11	1,800 pF in 11 ns		8-pin eSOIC
MAQ4125	Dual	Complimentary	3.0/3.0	20	5/5	40/60	11/11	1,800 pF in 11 ns		8-pin eSOIC
MIC4123	Dual	Inverting	3.0/3.0	20	5/5	44/59	11/11	1,800 pF in 11 ns		8-pin eSOIC, 4 × 4
MIC4124	Dual	Non-Inverting	3.0/3.0	20	5/5	44/59	11/11	1,800 pF in 11 ns		8-pin eSOIC, 4 × 4
MIC4125	Dual	Complimentary	3.0/3.0	20	5/5	44/59	11/11	1,800 pF in 11 ns		8-pin eSOIC, 4 × 4
MIC4423	Dual	Inverting	3.0/3.0	18	5/5	33/38	23/25	1,800 pF in 23ns		8-pin SOIC, 16-pin WSOIC, 8-pin PDIP
MIC4424	Dual	Non-Inverting	3.0/3.0	18	5/5	33/38	23/25	1,800 pF in 23ns		8-pin SOIC, 16-pin WSOIC, 8-pin PDIP, 8-pin CerDIP
MIC4425	Dual	Complimentary	3.0/3.0	18	5/5	33/38	23/25	1,800 pF in 23ns		8-pin SOIC, 16-pin WSOIC, 8-pin PDIP
MIC4223	Dual	Inverting	4.0/4.0	18	30/16	25/35	15/15	2000 pF in 15 ns	Enable pin	8-pin SOIC, 8-pin eMSOP
MIC4224	Dual	Non-Inverting	4.0/4.0	18	30/16	25/35	15/15	2000 pF in 15 ns	Enable pin	8-pin SOIC, 8-pin eMSOP
MIC4225	Dual	Complimentary	4.0/4.0	18	30/16	25/35	15/15	2000 pF in 15 ns	Enable pin	8-pin SOIC, 8-pin eMSOP
MCP14E3	Dual	Inverting	4.0/4.0	18	2.5/2.5	46/50	15/18	2200 pF in 15 ns	Enable pin	8-pin SOIC, 8-pin PDIP, 8-pin 6 × 5 DFN
MCP14E4	Dual	Non-Inverting	4.0/4.0	18	2.5/2.5	46/50	15/18	2200 pF in 15 ns	Enable pin	8-pin SOIC, 8-pin PDIP, 8-pin 6 × 5 DFN
MCP14E5	Dual	Complimentary	4.0/4.0	18	2.5/2.5	46/50	15/18	2200 pF in 15 ns	Enable pin	8-pin SOIC, 8-pin PDIP, 8-pin 6 × 5 DFN
MCP1403	Dual	Inverting	4.5/4.5	18	2.2/2.8	40/40	15/18	2200 pF in 15 ns		8-pin SOIC, 16-pin SOIC, 8-pin PDIP, 8-pin 6 × 5 DFN
MCP1404	Dual	Non-Inverting	4.5/4.5	18	2.2/2.8	40/40	15/18	2200 pF in 15 ns		8-pin SOIC, 16-pin SOIC, 8-pin PDIP, 8-pin 6 × 5 DFN
MCP1405	Dual	Complimentary	4.5/4.5	18	2.2/2.8	40/40	15/18	2200 pF in 15 ns		8-pin SOIC, 16-pin SOIC, 8-pin PDIP, 8-pin 6 × 5 DFN
MIC4120	Single	Non-Inverting	6.0/6.0	20	5/5	45/50	12/13	2200 pF in 12 ns		8-pin eSOIC, 3 × 3
MIC4129	Single	Inverting	6.0/6.0	20	5/5	45/50	12/13	2200 pF in 12 ns		8-pin eSOIC, 3 × 3
MIC4420	Single	Non-Inverting	6.0/6.0	18	2.8/2.5	18/48	12/13	2200 pF in 12 ns		8-pin SOIC, 8-pin MSOP, 8-pin PDIP, 5-pin TO-220, 8-pin CerDIP
MIC4429	Single	Inverting	6.0/6.0	18	2.8/2.5	18/48	12/13	2200 pF in 12 ns		8-pin SOIC, 8-pin MSOP, 8-pin PDIP, 5-pin TO-220
MIC44F18	Single	Non-Inverting	6.0/6.0	13	2/2	15/13	10/10	1000 pF in 10 ns	Enable pin	8-pin eMSOP, 2 × 2 QFN
MIC44F19	Single	Inverting	6.0/6.0	13	2/2	15/13	10/10	1000 pF in 10 ns	Enable pin	8-pin eMSOP, 2 × 2 QFN
MIC44F20	Single	Inverting	6.0/6.0	13	2/2	15/13	10/10	1000 pF in 10 ns	Enable pin	8-pin eMSOP, 2 × 2 QFN
MCP1406	Single	Inverting	6.0/6.0	18	2.1/1.5	40/40	20/20	2500 pF in 20 ns		8-pin SOIC, 8-pin PDIP, 8-pin 6 × 5 DFN
MCP1407	Single	Non-Inverting	6.0/6.0	18	2.1/1.5	40/40	20/20	2500 pF in 20 ns		8-pin SOIC, 8-pin PDIP, 8-pin 6 × 5 DFN
TC4421A	Single	Inverting	9.0/9.0	18	1.25/0.8	38/42	28/26	4700 pF in 15 ns		8-pin SOIC, 8-pin PDIP, 8-pin 6 × 5 DFN
TC4422A	Single	Non-Inverting	9.0 / 9.0	18	1.25 / 0.8	38/42	28/26	4700 pF in 15 ns		8-pin SOIC, 8-pin PDIP, 8-pin 6 × 5 DFN
MIC4421A	Single	Inverting	9.0 / 9.0	18	0.8/0.6	15/35	20/24	10,000 pF in 24 ns		8-pin PDIP, 8-pin SOIC, 5-pin TO-220
MIC4422A	Single	Non-Inverting	9.0 / 9.0	18	0.8/0.6	15/35	20/24	10,000 pF in 24 ns		8-pin PDIP, 8-pin SOIC, 5-pin TO-220
MIC4451	Single	Inverting	12.0/12.0	18	0.8/0.6	25/40	20/24	10,000 pF in 24 ns		8-pin PDIP, 8-pin SOIC, 5-pin TO-220
MIC4452	Single	Non-Inverting	12.0/12.0	18	0.8/0.6	25/40	20/24	10,000 pF in 24 ns		8-pin PDIP, 8-pin SOIC, 5-pin TO-220
TC4451	Single	Inverting	12.0/12.0	18	1.0/0.9	44/44	30/32	10,000 pF in 21 ns		8-pin SOIC, 8-pin PDIP, 8-pin 6 × 5 DFN
TC4452	Single	Non-Inverting	12.0/12.0	18	1.0/0.9	44/44	30/32	10,000 pF in 21 ns		8-pin SOIC, 8-pin PDIP, 8-pin 6 × 5 DFN