

Product Selection Guide

2022

Global Mixed-mode Technology Inc.
Green products



Analog IC Solutions

Power Management Partner

Integrity • Service • Innovation • Sharing

Amplifier Series

Operational Amplifier

Part Number	V _{DD} (V)		CH	I _{OUT} (mA)	S/R (V/us)	BW (M Hz)	Offset (mV)	Note	Package
	min.	max.							
G1214	2.2	7	1	66	6.5	6.5	5	Rail-to-Rail Input/Output	SC-70-5/SOT-23-5
G1577	4.5	19.5	1	400	80	35	3	Rail-to-Rail Output	SOT-23-5/ TDFN3X3-8/ MSOP-8(FD)
G1562	4.5	20	1	65	150	30	2	Rail-to-Rail Input/Output	TSOT-23-5
G1582	4.5	20	1	400	50	35	3	Rail-to-Rail Input/Output	SOT-23-5/ TDFN3X3-8
G1224	2.2	5.5	2	66	6	2.5	5	Rail-to-Rail Input/Output	MSOP-8/SOP-8
G1583A	4.5	19.5	2	300	30	35	3	Rail-to-Rail Output	MSOP-8/ MSOP-8(FD)/ TDFN3X3-8
G1563	4.5	20	2	65	150	30	2	Rail-to-Rail Input/Output	MSOP-8
G1583	4.5	20	2	400	50	35	3	Rail-to-Rail Output	MSOP-8/ TDFN3X3-8
G1244	3	5.5	4	66	6	2.5	5	Rail-to-Rail Input/Output	TSSOP-14
G1564	4.5	20	4	65	150	30	2	Rail-to-Rail Input/Output	TSSOP-14
G1584A	4.5	20	4	300	30	35	3	Rail-to-Rail Output	TSSOP-14(FD)

Comparator

Part Number	V _{DD} (V)		CH	I _O (uA)	T _{PHL} (ns)	T _{PLH} (ns)	Offset (mV)	Note	Package
	min.	max.							
G1363	0.8	5.5	1	13	300	300	7	Open Drain Output	SOT-23-5/ WDFN1.6X1.6-6
G1361	1	5.5	1	13	300	300	7	Push-Pull Output	AQFN1X1.45-6
G1362	1.2	5.5	2	26	300	300	7	Open Drain Output	TDFN2X2-8
G1362A	1.2	5.5	2	26	300	300	7	Push-Pull Output	AQFN1.5X1.5-8

Integrated Buffer

Part Number	V _{DD} (V)		CH	I _{OUT} (mA)	S/R (V/us)	BW (M Hz)	I _{SC} (mA)	Note	Package
	min.	max.	V _I +V _{COM}	V _I , V _{COM}	V _I , V _{COM}	V _I , V _{COM}	V _I , V _{COM}		
G1625	7	18	1	100	23	20	270	SMBus, Rail-to-Rail Output	TDFN3X3-8
G1626	7	18	1	100	--	--	--	SMBus, V _{COM} REF	TDFN3X3-8
G1614	9	20	12+1+1	25, 100	16, 50	10	100, 300	Rail-to-Rail Output, SMBus, 2 Banks REG, CRC	QFN4X4-24
G1615	9	20	12+1+1+1	40, 100	16, 50	30	100, 300	Rail-to-Rail Output, SMBus, HAVDD, Repair OP, CRC	QFN4X4-24
G1632	6.5	18	14+1	25, 100	16, 20	10	100, 180	Rail-to-Rail Output, 2 Banks REG	QFN5X5-32
G1621	6.5	18	14+1	25, 100	20, 20	10, 20	75, 140	Rail-to-Rail Output, SMBus, 2 Banks MTP, Checksum	TQFN4X4-24/ QFN5X5-32

DDR Terminator

Part Number	V _{DDQ} (V)		I _{SOURCE} (A)	I _{SINK} (A)	I _{VREF} (mA)	V _{CNTL} (V)	EN	Note	Package
	min.	max.							
G2995/6	1.6	5.5	1.5	1.5	0.03	1.8~5.5	NO	DDR1/2	SOP-8(FD)
G2992B	1.2	3.6	2	2	--	3~5.5	NO	DDR1/2/3	SOP-8
G2985	1	3.5	2.4	2.4	10	2.5~5.5	S3/S5	DDR1/2/3/3L/4	TDFN3X3-10
G2992	1.2	3.6	3	3	--	3.3~5.5	NO	DDR1/2/3/3L	SOP-8(FD)
G2997B	1.2	3.6	4/3	4/3	10	3~5.5	S3/S5	DDR1/2/3/3L	MSOP-8
G2998	1.2	3.6	4/3	4/3	10	3~5.5	YES	DDR1/2/3/3L	SOP-8(FD)
G2986	1.1	3.6	4	4	10	3~5.5	S3/S5	DDR1/2/3/4/3L, LPDDR2/3	TDFN2X2-10

*Coming soon

Level Shifter									
Part Number	V _{DD} (V)		CH	V _{HIGH} (V)	V _{LOW} (V)	Data Rate (Mbps)	Charge Sharing	Note	Package
	min.	max.							
G2129	1.2	5.5	1-2-4	5	1.2	100	--	1-4-Bit Bidirectional Level Shift, Push-Pull I/O, Data rate 100Mbps	SC-70-6/ AQFN1.7X2.0-12
G2129B	1.65	5.5	1-2-4	5	1.8	24 2	--	2-4-Bit Bidirectional Level Shift, Push-Pull I/O, Data rate 24Mbps, Open-Drain I/O, Data rate 2Mbps	ADFN3X2-8/ ADFN1.0X1.4-8
G2587	2.6	5.5	7	40	-30	--	Yes		TQFN4X4-28
G2598	--	--	7-9	40	-20	--	Yes		TQFN3X3-20
G2581	2.6	5.5	9	40	-30	--	No	GPM	QFN5X5-32/ QFN4X4-32
G2583B/C	--	--	10	40	-20	--	Yes	GPM	TQFN4X4-28
G2798A	--	--	10	40	-20	--	Yes	6-CH CLK, STH, RESETH. 2-CH DISCH.	TQFN4X4-28
G2790/8B	--	--	10	40	-20	--	Yes	6-CH CLK, 2-CH STV_O, 2-CH VGP_O	TQFN4X4-32
G2590	16	40	10-11	40	-20	--	Yes		TQFN4X4-32
G2790C G2798C	--	--	11	40	-20	--	Yes	6-CH CLK, 2-CH STV_O, 2-CH VGP_O, VDis_O.	TQFN4X4-32
G2592	2.6	5.5	12	40	-15	--	Yes		TQFN4X4-32
G2782	2.6	5.5	12	40	-15	--	No	8-CH HC, LC1/2, 2-CH ST, VGHD, VSSG.	TQFN4X4-32
G2595E/F G2795E/F	--	--	14	40	-18	--	No	8-CH CLK, LC1/2, GSPOUT, VSS, G2595E/G2795E 2-CH EN_O, G2595F/G2795F CLR, VGHOUT, GPM	TQFN4X5-28
G2791A	--	--	14	42	-20	--	Yes	8-CH CLK, 2-CH STH, LC1/2, RSTH, VSSG.	TQFN4X4-32

Analog Switch Series

Analog Switch									
Part Number	V _{in} (V)		R _{ON} (Ω)	BW (M Hz)	T _{ON} (ns)	T _{OFF} (ns)	I _{SUPPLY} (uA)	Note	Package
	min.	max.							
G3104	1.65	5.5	6	250	1.6	25	0.1	Dual SPST	ADFN3X2-8
G3203	2.7	5.5	0.35	20	16	16	0.2	Dual SPDT	TDFN3X3-10
G3204/A	2.3	5.5	10	230	5	4.5	1	Quad SPDT	TSSOP-16

Power Switch & Load Switch Series

Electronic-Fuse Protection Switch									
Part Number	V _{CC} (V)		R _{ON} (mΩ)	V _{OUT} Rising (us)	I _{Limit} (A)	I _{OUT} (A)	V _{OVP} Clamping (V)	Note	Package
	min.	max.							
G5288A	3.6	6.65	68	ADJ	ADJ	3.6	6.65	5V E-Fuse	TDFN3X3-10
G5288D	7.2	10	44	ADJ	ADJ	3.6	10	9V E-Fuse	TDFN3X3-10
G5288	8.5	15	32	ADJ	ADJ	3.6	15	12V E-Fuse	TDFN3X3-10
*G3722	3.0	18	29	ADJ	ADJ	4	V _{OVC}	V _{OVC} =3.6/5.45/13.55V/No/Programmable, Latch-OFF, Auto-Retry	TDFN2X2-8
G5288B	2.7	5.85	40	ADJ	ADJ	4.2	5.85	5V E-Fuse	TDFN3X3-10
*G3721	4.5	12	28	ADJ	ADJ	5	6.1/15	Latch-OFF, Auto-Retry	DFN3X3-10
*G3720	4.5	18	28	ADJ	ADJ	5	6.1/15	Latch-OFF, Auto-Retry	DFN3X3-10
*G5289/A	4.5	40	15	ADJ	ADJ	7	ADJ	40V E-Fuse	TDFN3X3-10

1-CH Power Switch & 1-CH Load Switch

Part Number	V _{in} (V)		R _{ON} (mΩ)	V _{OUT} Rising (ms)	I _{OUT} (A)	Flag	Dis-R (Ω)	Note	Package
	min.	max.							
G5027C	0.7	4	5.5	0.01	--	N	220	10μs ≤ t _D + t _R ≤ 65μs @ V _{OUT} = 1.05V	TDFN3X3-8
G5409	0.5	5.5	10	ADJ	ADJ	Y	200	I _{OUT} Programmable up to 7A, Need a VBIAS	AQFN2X2-12 FC
G2892	0.7	5.7	14	ADJ	6	Y	15		TDFN2X2-10
G5029A	0.9	5.5	22	ADJ	--	N	220	Need a 5V VBIAS, @V _{OUT} =1.05V	TDFN2X2-8
G5192	1.5	5.5	25	0.13	--	N	250	RON = 68mΩ @VIN = 1.5V	WLCSP2X2-4
G5017	1	3.6	26	0.13	--	N	80	RON = 56mΩ @VIN = 1.2V	WLCSP2X2-4
G529	2.7	5.5	70	1	1.1	Y	N	Fast SCP, HML 2.0 V _{OUT} Reverse-Current Protection	SOT-23-6
G5287	1.5	5.5	80	1	--	N	R	External discharging	TDFN1.6X1.6-6
G5245A	2.7	5.5	110	2.5	1.5	N	75	LVDS or Panel Switch	SOT-23-5
G5244	2.7	5.5	120	1.9	2	N	R	V _{OUT} External discharging resistor	SOT-23-5/ ADFN1.5X1.5-6
G3717	4.5	24	20	--	6	N	N	Ideal Diode	TDFN3X3-10
G3718	4.5	24	20	--	6	N	N	ORing-Dual Ideal Diode	TDFN3X3-10
G5161	4	20	50	1.5	--	Y	N		TSOT-23-8 FC
G509	2.7	5.5	37/67	2	ADJ I _{OUT}	Y	Y	UL, IEC, CB, G509x1x2x3, x1: H/L/S/N, x2: I _{OUT} 30/25/20/10/05/02, 3A/3S/2S/1S, x3: V _{OUT} Discharge R=300/150/75/DSG/No	SOT-563/ SOT-23-5/6/ TSOT-23-5/6
G517x G517A	2.7	5.5	50/70	1.5	3.1 ADJ	Y	150 600	UL, IEC, CB, TYPE-C, Fast SCP, V _{OUT} Reverse-Current Protection, BCDEFGH I _{OUT} =0.3/0.6/1.1/1.6/2.2/3.1/2.7A BCDEFGH R _{ON} =40~75 mΩ	SOT-23-5/SOT-23-6/ TSOT-23-6/MSOP-8/ TDFN2X2-6/ WDFN2X2-6
G524x	2.7	5.5	70	1.5	2.2	Y	150/N	UL, IEC, CB, Fast SCP, V _{OUT} Reverse-Current Protection, A/B/C/D I _{OUT} =1.9/2.2/1.7/1.2 A	SOT-23-5/ TSOT-23-6/ MSOP-8
G527	2.7	5.5	70	1.4	ADJ	Y	75	UL, IEC, CB, Fast SCP, V _{OUT} Reverse-Current Protection	TSOT-23-6/ MSOP-8(FD)
G5250	2.7	5.5	108	1.5	2.4	Y	N	UL, IEC, CB, G5250Q I _{OUT} =0.2A, G5250H/M/S I _{OUT} =0.7A, G5250G/K/N I _{OUT} =1.1A, G5250F I _{OUT} =1.5A, G5250I I _{OUT} =2.0A, G5250A I _{OUT} =2.4A	SOT-23-5
G518	2.7	5.5	50	1.5	3.1/ADJ	Y	Y	UL, IEC, CB, TYPE-C, G518B ADJ, VBUS Voltage Tolerance 24V	TSOT-23-5 FC/ TSOT-23-6 FC
G3712	4	5.5	35	2	ADJ	Y	--	UL, IEC, CB, Type-C, Fast role swap, VBUS Voltage Tolerance 29V	WLCSP4X4-16
G516	4	20	50	1.5	3.7	Y	N	UL, IEC, CB, USB TYPE-C	TSOT-23-8 FC
G2176	4.5	22	80	V _{in} /4	ADJ	N	950	UL, IEC, CB, OC & OT Latched OFF mode	TDFN2X2-6

2-CH Power Switch & 2-CH Load Switch

Part Number	V _{in} (V)		R _{ON} (mΩ)	V _{OUT} Rising (ms)	I _{OUT} (A)	OC Flag	Dis-R (Ω)	Note	Package
	min.	max.							
G2898/A	0.7	5.5	17	ADJ	6	N	250/50	Need a 2.5V ~ 5.5V VBIAS	TDFN2X3-14
G2894	0.7	2.2	20	0.022	4	N	220	10μs ≤ t _D + t _R ≤ 65μs @ V _{OUT} = 1.05V	TDFN2X3-14
G2895	2.7	5.5	120	2	0.2/0.6	N/Y	150	Vin Range 2.7V~5.5V with a VB of 3V/5V Recovery Mode & Latched Mode	TSOT-23-6/ TDFN2X2-10

USB Type-C Protection Switch

Part Number	V _{PWR} (V)		OVP (CH)	ESD (CH)	CC FET (A)	V _{OVP} Clamp (V)	V _{Tolerant} VBUS to CC (V)	Note	Package
	min.	max.							
*G2330/A	2.7	3.3	4	6	0.6	8	24	USB Type-C Short-to-VBUS OVP, IEC 61000-4-2 ESD Protection	TQFN3X3-20

*Coming soon

DC-DC Series

Synchronous (Quasi-PWM) Step Down Controller

Part Number	V _{in} (V)		PG	F _{SW} (k Hz)	FB (V)	V _{O_MAX} (V)	OVP (% , us)	Note	Package
G5616B	2.0	24	YES	ADJ	0.75	3.6	115, 30	DDR2/3/3L/4, LPDDR3, 1.5A LDO(VTT), VTT Tracking, VTTREF	TQFN3X3-20
G5619/A	2.0	24	YES	ADJ	0.75 0.675	3.6	115, 30	DDR2/3/3L/4, LPDDR3, 1.5A LDO(VTT), G5619 non-tracking; G5619A Tracking, VTTREF, FB=0.75V@VID=0V	TQFN3X3-20
G5417/A	2.0	24	YES	ADJ	0.75	FB-3.6	117, 30	DDR2/3/3L/4, LPDDR3, 1.5A LDO(VTT), VTTREF	TQFN3X3-20
G6201	3.0	24	YES	ADJ	VID	1.80	122, 5	VCCIN_AUX, VID Set 1.8V/1.65V/1.1V/0V	TQFN3X3-20
G5415A	4.5	26	YES	ADJ	0.8	5.5	--	V5V, EN, PG, UVP & OTP(non-latch)	TQFN3X3-16
G5318	4.5	28	YES	ADJ	0.7	2.6	120, 20	EN, UVP, OCP, VOUT Adjustable, 1.5ms V _{OUT} Servo Soft Start	TDFN3X3-10

Point Of Load (Synchronous Quasi-PWM Step Down Converter)

Part Number	V _{in} (V)		I _{OUT} (A)	F _{SW} (k Hz)	FB (V)	HS _{RON} (mΩ)	LS _{RON} (mΩ)	Note	Package
G2188	4.2	28	12	800	0.60	40	20	VOUT 0.6V to 12V, OCP 6A/9A/12A, Non-Latch Mode, EN, PG	AQFN3X3-10 FC
G6020	4.5	24	8	600	1.2/ 1.115/ 1.065	22	8.6	G6020 DDR4/LPDDR4X/LPDDR5, G6020A/D DDR4, G6020B/E LPDDR4X, G6020C/F LPDDR5, LV BK1(LDO Mode) 1A 2.5/1.8/0.6/0.5V(2.5V), HV BK2 8A 1.2V/1.115V/1.065V, LDO(SW Mode) 1.5A 0.6/0.5V(1.8V)	AQFN3X3-18 FC
G5425B	4.5	23	8	500	3.30	20	10	VOUT 3.3V, Integrated 3VLDO Switchover, EN, PGOOD, Low I _Q , Ultrasonic Mode	AQFN3X3-12 FC
G5425	5.5	23	8	750	5.10	20	10	VOUT 5V, Integrated 5VLDO Switchover, EN, PGOOD, Low I _Q , Ultrasonic Mode	AQFN3X3-12 FC
G5416	2	26	10.5	ADJ	0.75	20	8.5	DDR4 with VPP 2.5V/1A, 1.5A LDO VTT, 10mA VTTREF, S3, S5, PGOOD, Low I _Q , MLCC	QFN4X4-30
G5497	4.5	26	12	ADJ	0.75	20	8.5	LPDDR4X, 0.6V/1A LDO (VTX)	QFN4X4-30
G5335A/D	4.5	28	6	ADJ	0.80	20	20	EN, PGOOD, MLCC, Soft start adjustable, G5335A/E 23-Pin, G5335C/D/F 22-Pin	QFN4X4-23/ QFN4X4-22
G5335E			8				8.5		
G5335C/F			10				8.5		
G5334	4.5	20	15	ADJ	0.60	13	6.5	EN, PGOOD	QFN4X4-23
G5312	4.5	28	8	ADJ	0.75	20	20	With 5V Supply, EN, PGOOD	QFN4X4-28
G5309	4.5	28	10	ADJ	0.75	20	8.5	With 5V Supply, EN, PGOOD	QFN4X4-28
G5329B	4.5	26	5	ADJ	0.80	30	30	VOUT 0.8V to 5.5V, Build in V5V, Low I _Q , Non-latched mode, EN, PGOOD, MLCC, G5329B 24-Pin, G5329A 32-Pin	QFN3X3-24/ QFN4X4-32
G5329			8			30	15		
G5329A			12			30	8.5		
G5337	4.5	21	6	ADJ	Selec- table	20	20	VOUT = 5.05V/6V/7V/8V/9V/12V/15V/20V, VOUT Line-Compensation, USB PD, Non-latched mode, EN, PGOOD, MLCC	QFN4X4-32

Auto Buck-Boost Converter

Part Number	V _{in} (V)		V _O (V)		I _{OUT} (A)	F _{SW} (M Hz)	FB (V)	Note	Package
G2298	1.8	5.5	1.8	5.5	1.5	2.4	0.5	Auto-Transition Buck and Boost Mode	TDFN3X3-10
G2228/A	1.8	5.5	2.8	5.5	1.5	2.4	0.5	Auto-Transition Buck and Boost Mode	WLCSP2X4-8/ TDFN3X4-10
G2287	2.1	5.5	1.8	5.2	1.6	2.5	0.8	Auto-Transition Buck and Boost Mode	WLCSP3X5-15
G2224	2.8	5.5	2.8	5.5	3	2.4	0.5	Auto-Transition Buck and Boost Mode	TDFN3X4-14

Switching Charger									
Part Number	V _{in} (V)		CC _{MAX} (A)	F _{SW} (k Hz)	Boost V _O (V)	Boost I _{SW} (A)	Interface	Note	Package
	min.	max.							
G2230/A	4.2	6.2	2	1500	5	4.6	i ² C	DPPM, Boost for USB OTG, NTC TS, OTP, Safety timer, Power key function, USB Battery Charging port	WLCSP4X5-20
G2246	4	5.5	2.5	1500	--	--	--	DPPM, VIN OVP, OTP, I Set, 4.2V/4.35V, Adj. BAT Voltage, NTC, Charge timer	TQFN3X3-16

Linear Charger									
Part Number	V _{in} (V)		CC _{MAX}	Pre-Charge	CV	Status	TEMP	Note	Package
	min.	max.	(A)	(A)	(V)	LED	TS		
G5809	4.5	6	0.5	0.1*CC	4.2	1	NO	Programmable CC, CV, UVLO, OTP, LDO 3.3V/300mA with EN	TDFN3X3-10
G2267	4.25	6.5	0.8	0.1*CC	4.2	1	NO	Programmable CC, CV, UVLO, OTP	TSOT-23-5
G5803	4.25	6.5	1	0.1*CC	4.2	1	NO	Programmable CC, CV, UVLO, OTP, Vin OVP	SOT-23-5
*G2279	3.5	28	1	0.1*CC	4.2	2	YES	Programmable CC, CV, UVLO, OTP	TDFN3X3-10
G2268	4.35	6.4	1.5	0.1*CC	4.2	2	YES	DPPM, Programmable CC, CV, UVLO, OTP, Safety timer, Input Current Limit selectable	TQFN3X3-16

Synchronous Step Down Converter									
Part Number	V _{IN} (V)		I _{OUT} (A)	F _{SW} (k Hz)	FB (V)	D _{MAX} (%)	I _Q (uA)	Note	Package
	min.	max.							
G5725	2.5	6	1	1000	0.6	100	50	EN, GND, LX, VIN, VFB, SS=2ms	T/SOT-23-5
G5728	2.5	6	1	1000	0.6	100	50	EN, GND, LX, VIN, VFB, SS=0.6ms	TSOT-23-5
G5728B	2.5	6	1	1400	0.6	100	50	EN, GND, LX, VIN, VFB, SS=0.6ms	TSOT-23-5
G5695	2.5	6	1	1400	0.6	100	50	VIN, GND, EN, FB, LX, SS=2ms, NC, EN, VIN, LX, GND, VFB, SS=2ms	T/SOT-23-5/ T/WDFN2X2-6
G5691	2.5	5.5	1	1500	0.6	100	50	NC, EN, VIN, LX, GND, FB, SS=2ms, V _{OUT} = ADJ & 1.2V & 3.3V	TDFN2X2-6
AT1691	2.5	5.5	1	1500	0.6	100	50	NC, EN, VIN, LX, GND, FB	TDFN2X2-6
G2262 G2262B G2262C	2.55	6	2 2 1/2	1600	0.6	--	25	FB, GND, VIN, LX, EN, OUT, PG/SS=0.5ms, G2262B Forced PWM Selectable, G2262C Forced PWM Only	SOT-563/ ADFN1X1.5-6
M2282	2.4	6	2	2200	0.6	100	6	FB, PG, EN, VIN, SW, GND	ADFN1.5X1.5-6
G2261A	2.55	6	2	3000	0.6	--	25	PGND, LX, AGND, FB, EN, MODE/PG, A/PVIN, SS=0.25ms	TDFN2x2-8
G2832	4.5	18	2	500	0.6	--	500	BS, GND, FB, EN, VIN, SW	SOT-23-6
G5791	4.5	24	2/3	340	0.92/ 1.22	90	3000	BS, IN, LX, GND, FB, COMP, EN, SS	SOP-8(FD)
AT1528/9	2.5	6	2/3.2	1000	0.8	100	450	VCC, REF, GND, FB, EN, PGND, LX, VIN, V _{IN} OVP(V _{CC} > 6.3V)	SOP-8/ SOP-8(FD)
G2822	2.7	6.5	2/3	1000	0.6	100	50	EN, GND, LX, VIN, NC/PG, FB, SS=1ms, SCP Non latched, A/B/C/D/H SCP Latched, A/D/H/J discharge R 1.8KΩ, B/C discharge R 50Ω	SOT-23-6/ T/SOT-23-5/ TDFN2X2-8
G2823A/D	2.7	6.5	3	1000	0.6	100	50	NC, SW*2, POK, EN, FB, NC, VCC, VIN*2	TDFN3X3-10
G2264/A	2.6	5.5	3	1500	0.45	100	17	COT, EN, P/AGND, FB, VOS, NC/PG, LX, VIN	SOT-23-6/ TDFN2X2-8
G2273/A	2.6	5.5	3	1500	0.6	100	17	COT, EN, GND, LX, VIN, PG, FB COT, VIN*2, LX*2, PGND*2, FB, EN, PG	SOT-23-5/6/ TDFN2X2-6/8/ AQFN2X2-12
G2283	2.6	6	3	2200	0.6	100	10	FB, PG, EN, VIN, SW, GND	ADFN1.5X1.5-6
G2275	2.6	6	3	2400	0.8	100	17	COT, EN, PG, FB, VOS, GND, SW, VIN	ADFN2X2-7
G5694	2.5	6	3.2	1000	0.8	100	450	VCC, REF, GND, FB, EN, PGND, LX, VIN	SOP-8(FD)/ TDFN3X3-8
G2284	2.6	6	4	2200	0.6	100	10	FB, PG, EN, VIN, SW, GND	ADFN1.5X1.5-6
G2275A	2.6	6	4	2400	0.8	100	17	COT, EN, PG, FB, VOS, GND, LX, VIN	ADFN2X2-7

*Coming soon

Charge Pump and Current Source

Part Number	V _{in} (V) min. max.	I _{OUT} (mA)	F _{OSC} (k Hz)	LED CH	Positive V _O (V)	Negative V _O (V)	Note	Package
G2138	2.5 4.8	30	--	--	1.5x/ 2x/3x	-V _{IN}	Positive & Negative output control	UDFN1.5X2.4-12
G5930	1.8 5	60	270	--	--	-V _{IN}	IN, EN, GND, C-, C+, OUT, Inverting	SOT-23-5/6/ TDFN2X2-6
G5931	1.8 5	60	270	--	--	-V _{IN}	NC, CP+, GND, CP-, OUT, NC, NC, IN	SOP-8
G5031	6 17	60	--	12	--	--	Grayscale Control 16-Bit(65,536-Step), Global Brightness Control 7-Bit, 3.3V Regulator, RGB LED application	QFN4X4-24
G5910	2.7 5	90	1000	--	3.3/5	--	EN, GND, VOUT, C+, VIN, C-, Boost	TSOT-23-6/ TDFN2X2-6

Step Up Converter

Part Number	V _{in} (V) min. max.	V _{O_MAX} (V)	FB (V)	I _{SW} (A)	F _{SW} (k Hz)	Topology	Note	Package
G2263	2.7 5.5	5	0.8	9	600	Sync.	PGND*2, LX, VOUT*2, NC, EN, VIN, VINA, AGND, FB	AQFN2X2-14
G5390	0.7 5	5	1	0.4	--	Sync.	Ultra low I _O of 1uA, Hysteretic Mode, LBI, GND, LX, VOUT, REF, LBO, EN, VIN	TDFN2X2-8
G2118	2.7 4.5	5	1.227	7	520	Sync.	PGND, LX, VBAT, ILM01, GND, FB, VOUT	TSSOP-20(FD)
G5134/S	0.75 5.5	5.5	0.5	0.85	1200	Sync.	SW, GND, EN, FB, VOUT, VBAT	TSOT-23-6
G2280	2.7 12	12.6	1.2	11.9	600	Sync.	VCC, EN, FSW, LX, BOOT, VIN, SS, MODE, VOUT, FB, COMP, ILIM, AGND, PGND	TDFN3.5X4.5-20
G5167	8 14	19	13/19	0.6	440	Async.	DISEqC 1.x, LNB Power, 13V/18V Select, 22kHz tone generator, Line Drop comp.	AQFN2X3-14
G5108	2.5 5.5	20	1.24	1	600/ 1200	Async.	COMP, FB, EN, GND, SW, VCC, FSL, SS	MSOP-8
G5110	2.5 5.5	22	1.24	4	600/ 1200	Async.	COMP, FB, EN, GND*2, LX*2, IN, FREQ, SS	TDFN3X3-10
G2841/A	2.5 6	22	1.229	0.5/ 1.3	600/ 1200	Sync.	L, VIN, SS, GND, FB, EN, FSW, OUT, SW, True Shutdown	DFN3X3-10
G5125	2.7 5.5	30	1.25	0.85	1000	Async.	LX, GND, FB, EN, IN	SOT-23-5/ TDFN2X2-6

LED Backlight Driver

Part Number	V _{in} (V) min. max.	LED CH	V _{LED} FB (V)	V _{O_MAX} (V)	I _{SW} (A)	F _{SW} (k Hz)	Note	Package
AT1316A	2.5 5.5	1	0.2	20	1.2	1000	LX, GND, FB, EN, OVP, VIN, EN Dimming 100~200k Hz	TSOT-23-6
G5126	2.7 5.5	1	0.2	28	0.85	1000	LX, GND, FB, EN, OVP, IN, EN Dimming 200~2k Hz	TDFN2X2-8/ SOT-23-6
AT5160 G2621	2.5 5.5	1	0.2	40	1.2	1000	LX, GND, FB, EN, OVP, VIN, EN Dimming 100~200k Hz	TSOT-23-6/ SOT-23-6
G2546B	2.5 24	4	0.6	43	2	600~ 2200	EN, SS, OCP, ADJ OVP, OLP, SLP, OTP, 30mA/CH, PWM Dimming 120~30k Hz	TQFN3X3-16
G2548	2.7 24	6	--	36	2.4	100~ 1600	EN, SS, OCP, OVP, OTP, 25mA/CH, Dimming: PWM, Analog, I ² C	TQFN3.5X3.5-20/ TQFN3X3-24
G5968C	4.2 24	8	0.6	48	3	1000	EN, SS, OCP, OVP, OTP, OLP, 30mA/CH, PWM Dimming 200~20k Hz	TQFN4X4-24

Photoflash Charger (Flyback)

Part Number	V _{in} (V) min. max.	LX (V)	V _{OUT}	IGBT Driver	Built-in OVP	Built-in MOSFET	Note	Package
G2109	2.9 5.5	45	ADJ	Y	Y	Y	Transformer Kickback, Slow Charge, Separate Source & Sink Pin of IGBT Driver	TDFN2X2-10
G2132/A	2.9 5.5	55	ADJ	Y	Y	Y	Transformer Kickback, Slow Charge, Separate Source & Sink Pin of IGBT Driver	TDFN2X2-10

Lighting Driver										
Part Number	V _{in} (V)		PFC	Control Mode	DIM (k Hz)	V _{ISNS} (V)	Internal MOSFET V _{DS} (V)	Note	Package	
	min.	max.								
G2620	7	36	--	Hys.	0.1~1	0.1	36	Digital/Analog Dimming Control, Open/Shorted LED Protection, OTP	SOT-23-5/ SOT-89-5	
G2602	6.5	36	--	Current	--	0.12	36	Digital/Analog Dimming Control, UVP, OCP, OVP, OTP	TFDN3X3-12	
G2623	6.5	60	--	Current	--	0.2	Y	Digital/Analog Dimming Control, UVP, OCP, OVP, OTP	SOP-8(FD)/ TFDN3X3-10	
VCM Driver										
Part Number	V _{CC} (V)		Driver Control	DAC	Driving (mA)	Serial Control	Note	Package		
	min.	max.								
G2048	2.1	3.3	Uni-Direction	10-Bit	120	I ² C	Open loop selectable AF with ASRC, Tvib Compensation	WLCSP2X3-6		
G2034	2.3	3.6	Uni-Direction	10-Bit	120	I ² C	Open loop AF	WLCSP2X3-6		
G2066	2.3	3.6	Uni-Direction	10-Bit	±100	I ² C	CLAF-Like AF with ASRC, Tvib Compensation, 3W SPI, I ² C Slave ID*2, VDDIO 1.8V to 3.3V	WLCSP2X5-10		
G2047	2.3	3.6	Uni/Bi-Direction	10-Bit	±100	I ² C	Open loop selectable AF with ASRC, Tvib Compensation	WLCSP2X3-6		
G2051	2.6	3.6	Linear H-Bridge Uni/Bi-Direction	10-Bit	±100	I ² C	OIS+AF, 2-CH Hall sensor bias, 2-CH Hall sensor Amp with 9-Bit Hall bias, 6-Bit Gain & 10-Bit Offset Comp.	WLCSP3X9-27		
G2052	2.6	3.6	Linear H-Bridge Uni/Bi-Direction	11-Bit	±100	I ² C	OIS+AF, 3-CH Hall sensor bias, 3-CH Hall sensor Amp with 9-Bit Hall bias, 6-Bit Gain & 10-Bit Offset Comp.	WLCSP3X10-30		
G2067	2.3	3.6	Linear H-Bridge Uni/Bi-Direction	11-Bit	±150/ ±100	I ² C	CLAF-Like OIS+AF with ASRC, High Speed I2C, 3W/4W SPI, 1.8V LDO	WLCSP3X9-27		
Motor Driver										
Part Number	V _{CC} (V)		V _M (V)		CH	Built-in PI	Exterior Control	nFAULT	Note	Package
	min.	max.	min.	max.						
G2056/A	1.8	7	0	11	1	--	Y	--	UVLO, OCP, OTP	SOP-8(FD)/ TDFN2X2-8
G2010	2.2	5	1.8	10.5	1	--	Y	--	FS	SOP-8
G2024	2.5	5	4	16	1	--	Y	--	HV FS	TSSOP-14
G2057 G2057B	--	--	8	40	1	--	Y	--	H-Bridge(3.5A), CC, OCP/OTP/SCP, Adjustable PWM current limit	SOP-8(FD)
G2069	--	--	1.8	10	2	--	Y	Y	256 steps Micro-Stepping, 1.3A SCP/OCP/OTP	TQFN3X3-16
G2053	--	--	2.7	10.8	2	--	--	Y	Dual H-Bridge (1A), OCP/OTP/SCP	TSSOP-16(FD)/ TQFN3X3-16/ TQFN4X4-16
M2068	--	--	5	26	3	--	Y	Y	3-Phase (3*1/2 Bridge) DRV, 5.5A SCP/OCP/OTP/UVLO	QFN5X5-40
G2063	--	--	6	60	3	--	Y	Y	3-Phase (3*1/2 Bridge) Pre-DRV, 600mA HV Buck, OCP/OTP/UVLO	TQFN6X6-40/ TQFN7X7-48
G2028	2.5	6	2.9	6	5+1	3	Y	--	CH1~3 : CV/FS, CH4 : CC/CV/FS, CH5 : CC/FS, I ² C	TQFN4X4-32
*G7328	--	--	4.5	18	6	--	Y	--	3-Phase Fan-Driver, Sensorless, MTP	QFN4X4-24

*Coming soon

Pre Gate Driver and DrMOSFET											
Part Number	V _{CC} (V)		V _{in} (V)	Drive Capability				HS _{RON} LS _{RON}		Note	Package
	min.	max.		Source	Sink	Source	Sink	(mΩ)	(mΩ)		
G5438	4.5	5.5	5.5	5	--	1	0.5	--	--	FB Pre Gate Driver, Tri-State PWM Input, EN, PWM, UVLO, STP, OTP, ADJ Deadtime	TQFN3X3-16
G5403	2.7	5	24	3	1	3	1	--	--	HB Pre Gate Driver, Chare-Pump for VCC, EN, PWM, UVLO, STP, OTP	TQFN3X3-16
G6090	4.5	5.5	24	1	1	1	0.5	--	--	HB Pre Gate Driver, Tri-State PWM Input, EN, PWM, UVLO, STP, OTP	TDFN2X2-8
G6091	4.5	22	24	2A	1.4	2A	1.4	--	--	HB Pre Gate Driver, Tri-State PWM Input, EN, PWM, UVLO, STP, OTP	MSOP-10
M2105A/B	4.5	22	24	2A	1.4	2A	1.4	--	--	HB Pre Gate Driver, Tri-State PWM Input, EN, PWM, UVLO, STP, OTP, ADJ Deadtime	MSOP-10/ SOP-8(FD)/ TDFN3X3-8
G5421	4.5	5.5	25	--	--	--	--	12 20	30 8.7 18	HB DrMOSFET, Tri-State PWM Input, EN, PWM, UVLO, STP, OTP, ADJ OCP	QFN4X4-23

PMIC										
Part Number	V _{in} (V)		DCDC	LDO	SW	CHG	Control	Note	Package	
	min.	max.	CH	CH	CH	(A)	Interface			
M1694	2.7	5.5	3	--	--	--	ENx	CH1~3=1A/1A/1.5A	TDFN3X3-14	
G2257	2.7	5.5	4	1	--	--	ENx VFBx	DCDC1/2=3A, DCDC3/4=2A, LDO1=600mA	QFN4X4-24	
G2253	2.8	5.5	4	1	1	--	ENx	CH1~4=3.5A/2A/2.5A/2A, FSEL sets Fsw=1.5M/3M Hz, RTCLDO=3.1V/50mA, SW=350mΩ, EN1~4	TQFN4X4-28	
G2225	2.8	5.5	4	1	1	--	ENx SEQ	DCDC1/3=3.5A/2.5A, DCDC2/4=2A, FSEL Fsw=1.5M/3M Hz, SW Ron 350mΩ G2225 RTCLDO=3.1/50mA, G2225A RTCLDO=1.8/50mA,	TQFN4X4-28	
G2156	2.95	6	4	--	--	--	MODE ENx VSETx	CH1~4=3A/1A/1A/1A, CH1 D _{max} =90%, CH1 supports DVS 1.05/1.15/1.25/1.31V, Built power sequence control, EN1~4, SS, PG	TQFN4X4-32	
G2193/A	6	27	4	1	--	--	I ² C EN	HV DCDC1 Controller, VOUT Adj, 450KHz DCDC2/3=3.5A/6A, 0.7V~1.5V DVS 10mV/Step, DCDC4=3A, VOUT Adj., Mute function	TQFN5X5-40	
G5851	2.8	5.5	4	8	--	--	I ² C ENx1	DCDC1~4=2A, LDO1~7=300mA, LDO8=50mA, Power Key/Power Hold control, SIM level shifter	WLCSP7X7-49 0.4mm Pitch	
G2237	3	5.5	5	1	--	--	I ² C GPIOs		TQFN4X4-32	
G2206	2.6	5.5	6	3	--	1	I ² C Build in Sequence	RTCLDO, LV LDO*2, Li-ion linear charger with DPPM, BC1.2, Sync-Boost, Sync-Buck*3, Auto Buck-Boost, Sync-Boost and Current Regulator for WLED	TQFN5X5-40	
G2206B	2.6	5.5	6	3	--	1	I ² C Build in Sequence	RTCLDO, LV LDO*2, Li-ion linear charger with DPPM, Sync-Boost, Sync-Buck*3, Auto Buck-Boost, Sync-Boost and Current Regulator for WLED	TQFN5X5-40	
G2227	3	5.5	6	3	--	--	I ² C GPIOs	DCDC1/3/4/5/6=2A, DCDC2=3A, DCDC2/3/5/6 DVS 0.8V~1.1875V/12.5mV, RTCLDO=50mA, LDO2/3=600mA	TQFN5X5-32	
*G5853	2.8	5.5	11	19	--	--	I ² C PWRKEY	CH1~5/9/10=2A/3A/2A/3A/3A/1A/1A with DVS, CH6~8/11=3A/3A/2A/1A, LDO1/2/5/6=300mA, LDO3/4/7~14=500mA, LDO15/17/18=750mA, LDO16=1000mA, RTCLDO=50mA, RTC, 32KHz Clock Buffer, VCC OVP	WLCSP10X10-84	

Panel PMIC										
Part Number	V _{in} (V)		AVDD (V)	VGH (V)	VGL (V)	Buck (V)	LDO (V)	OP (CH)	Note	Package
G5517	2.5	5.5	ADJ	ADJ	ADJ	--	--	1	AVDD Async-Boost, VGH/VGL Charge-Pump, VCOM, GPM, Voltage Detector	TQFN4X4-24
G2521	2.6	5.5	ADJ	ADJ	ADJ	--	--	3	AVDD Async-Boost, VGH Charge-Pump, OPA*3, VGL Buck-Boost, NTC, 7-CH Level-Shifter	TQFN6X6-48
G2523	2.6	5.5	ADJ	ADJ	ADJ	--	--	3	AVDD Async-Boost, VGH Charge-Pump, OPA*3, VGL Buck-Boost, NTC	TQFN4X4-32
G5519A	2.5	5.5	ADJ	ADJ	ADJ	--	--	5	AVDD Async-Boost, GON and GOFF Controller, OPA*5, Switch Controller	TQFN5X5-32
G5521/A	2.5	5.5	ADJ	ADJ	-AVDD	--	ADJ	1	AVDD Async-Boost, VGH Charge-Pump, OPA, GPM, Voltage Detector	TQFN4X4-24
G2517	2.5	6	4.5~11	3*AVDD	-AVDD	--	1.2~2.8	2	AVDD Sync-Boost, OPA, DVCOM, GPM, Reset, I ² C	TQFN4X4-20
GQ2707	2.7	5.5	4.0~16 -10~-4	8~36	-24~-6	0.8~3.3	--	3	Automotive, AVDD Sync-Boost, NAVDD Inverting, VGH/VGL Charge Pump, Sync Buck, VCOM, GMA*2, I ² C	TQFN5X5-32
G2518	2.5	5.5	4.5~11	10~37	-11~-4.4 -18~-4.4	0.8~2.8 1.0~2.8	1.0~2.8	2	AVDD Sync-Boost, VGH Boost, NTC, VGL Charge-Pump*2, Sync-Buck*2, Reset, DVCOM, GPM, I ² C	TQFN3.5X3.5-40
G2513	2.5	5	4.0~6.5 -6.1~-4.0	6~28	-18~-5.4	0.8~2.06 1.0~2.55	1.7~2.8	3	AVDD Sync-Boost, AVEE Charge-Pump, VGH/VGL SIMO converter, Sync-Buck*2, Reset, DVCOM, GMA*2, I ² C	WQFN3.5X3.5-28
G2515	2.5	5	4.0~7.0 -7.0~-4.0	6~28	-18~-5.4	0.8~2.06 1.0~2.55	1.7~2.8	3	AVDD Sync-Boost, AVEE Inverting, VGH/VGL SIMO converter, Sync-Buck*2, Reset, DVCOM, GMA*2, I ² C	WQFN3.5X3.5-28
G2514A	2.5	5	7~13.5	10~34	-13~-4.4	0.8~2.0 1.0~2.8	1.0~2.8	4	AVDD Sync-Boost, VGH Boost, VGL Charge-Pump, Sync-Buck*2, Reset*2, DVCOM, GAM*2, HAVDD, I ² C	WQFN3.5X3.5-28
G2517A	2.5	5.5	7~13.5	10~34	-AVDD	0.8~2.8	1.0~2.8	4	AVDD Sync-Boost, VGH/VGL Charge-Pump, Sync-Buck, Reset*2, DVCOM, GMA*2, HAVDD, I ² C	TQFN3.5X3.5-24
G5562/A	8	14	ADJ	ADJ	ADJ	ADJ	--	1	AVDD Async-Boost, VGH/VGL Charge-Pump, Async-Buck, HV LDO, VCOM, GPM, Voltage Detector	TQFN7X7-48
G2562	8	14	13.5~19.8	20~35	-14.5~-5.5	2.2~3.7 0.8~3.0 4.8~11.1	--	--	AVDD Async-Boost, VGH/VGL Charge pump, Async-Buck, Sync-Buck*2, GPM, NTC, I ² C	QFN6X6-40
G2531	9.5	14	13.5~19	19~34	-14.0~-4 -11.5~-4	0.968~2.022 2.2~3.7	--	1	AVDD Async-Boost, VGH/VGL1 Cont./Charge pump, VGL2 Regulator, 8-Bit HAVDD, Async Buck*2, NTC, I ² C	TQFN5X5-40/ TQFN6X6-48
G2510S	9.5	14	13.5~19	19~34	-14.0~-4 -11.5~-4	0.968~2.022 2.2~3.7	--	1	AVDD Async-Boost, VGH/VGL1 Cont./Charge pump, VGL2 Regulator, 8-Bit HAVDD, Async Buck*2, NTC, I ² C	TQFN5X5-40

Boost and Inverting Converter for AMOLED									
Part Number	V _{in} (V)		F _{SW} (k Hz)	Negative V _O (V)		Positive V _O (V)		Note	Package
	min.	max.		min.	max.	min.	max.		
G2215	2.8	5.5	1000	V _{in} -15	--	--	10.0	EN, True Shutdown in Boost converter	TDFN3X3-12
G2181	2.9	4.5	1500	-6.4	-1.4	4.6	5.0	Triple DC/DC AVDD/VPOS/VNEG, S-Wire, AVDD 4.6V~7.9V/0.1A 0.3V/Step, VPOS 0.1V/Step 1.2A, VNEG <-4.4V 0.2V/Step -1.2A, VNEG >-4.4V 0.1V/Step -1.2A	TQFN4X4-32
G2185B	2.7	4.5	1500	-5.4	-1.4	4.6	5.0	Triple DC/DC AVDD/VPOS/VNEG, S-Wire, AVDD 5.8V~7.9V/0.1A 0.1V/Step, VPOS 0.1V/Step 0.6A, VNEG 0.1V/Step -0.6A	TQFN3X3-16
G2549	2.9	5.5	3000	-5.3	-0.6	2.8	5.3	Triple DC/DC AVDD/OVDD/OVSS, S-Wire, AVDD 2.8V~5.0V 0.1V/Step, OVDD 0.1V/Step, OVSS 0.1V/Step	WLCSP4X4-16/ TQFN4X4-20

Reset Series

Delay Time Embedded								
Part Number	V _{CC} (V)		Detecting Voltage (V)	Manual Input	Delay (ms)	I _{supply} (uA)	Note	Package
	min.	max.						
G670/1	1	5.5	2.63/2.93/3.08/ 3.33/4.00/4.38	N	2	16.5	G670H/L Push-Pull High/Low Output G671L Open-Drain Output	SC-70-3/ SOT-89
G690/1	1	5.5	2.63/2.93/3.08/ 4.00/4.38/4.63	N	140	10	G690H/L Push-Pull High/Low Output G691L Open-Drain Output	SC-70-3/ SOT-23
G692/3	1	5.5	2.63/2.93/3.08	Y	230	14	G692H/L Push-Pull High/Low Output G693L Open-Drain Output	SC-70-5/ SOT-143
G632	1	5.5	2.93	Y	360	10	Push-Pull Output Manual Reset Input	SOT-143
G660/1/2	1.1	5.5	2.25/2.63/ 2.93/4.55	Y	200	10	G660/1/2 has a watchdog Output G660/1 has a MR#	SOT-23-5
G663	1.1	5.5	2.25/2.63/ 2.93/4.55	Y	200	10	Push-Pull Output Dual outputs	SOT-23-5
G680/1	2.5	5.5	Independent V _{XTH} = 1.25V	N	140	4	G680H/L Push-Pull High/Low Output G681L Open-Drain Output V _{HTH} and V _{LTH} can be Independent	SOT-23-5

Delay Time Adjustable								
Part Number	V _{CC} (V)		Detecting Voltage (V)	I _{CD} source (uA)	V _{TRCD} (V)	I _{supply} (uA)	Note	Package
	min.	max.						
G623	0.8	6	2.9/1.8	40	0.5*V _{CC}	1	1+3 Power rails Detecting	SOP-8(FD)
G696/7	0.8	5.5	2.63/2.93/3.08/ 3.33/4.00/4.38	0.88	1.25	14	G696H/L Push-Pull High/Low Output G697L Open-Drain Output T _{CD} (ms) = 1,685 × C _D (uF)	SOT-23-5/ TSOT-23-5
G674/5	0.8	5.5	2.0/2.2/2.4	0.09	0.5	35	G674H/L Push-Pull High/Low Output G675L Open-Drain Output T _{CD} (ms) = 6,740 × C _D (uF)	SOT-23-5/ TDFN2X2-6
G676/7	1	5.5	2.63/2.93/3.08/ 3.33/4.00/4.38	0.67	1.25	14	G676L Push-Pull Output G677L Open-Drain Output T _{CD} (ms) = 1,860 × C _D (uF) T _{MR} (ms) = 88,000 × C _{MR} (uF)	SOT-23-6/ ADFN1.5X1.5-6
G682/3	2.7	5.5	Independent V _{SEN} = 0.788V	--	0.788	12	G682H/L Push-Pull High/Low Output G683L Open-Drain Output T _{CD} (ms) = 2,700 × C _D (uF) V _{SEN} can be separated from VCC	SC-70-5/ SOT-23-5/ TSOT-23-5/ DFN1.6X1.6-6

Temperature Sensor & Fan Controller & Fan Driver Series

Thermal Switch

Part Number	V _{CC} (V)		Sensor Site	Sensor CH	HYST (°C)	I _{SUPPLY} (uA)	Accuracy (°C)		Note	Package
	min.	max.								
G708	2.7	5.5	Local	1	10 or 30	33	±3.5	OT is set by an external resistor		SOT-23-5
G709	2.7	5.5	Local	1	10 or 2	33	±3.5	OT is set by an external resistor		SOT-23-5/ TDFN2X2-8/ ADFN1.5X1.5-6
G718	2.7	5.5	Remote	2	Resistor	42	--	NTC is needed		SOT-23-8

Temperature Transducer

Part Number	V _{CC} (V)		V _{OUT} (V)	Gain (mV/°C)	Temp. (°C)	I _{SUPPLY} (uA)	Accuracy (°C)		Note	Package
	min.	max.								
G711	2	5.5	2.5~0.3	-11.6	-55~130	18	±1	V _{OUT} =2.5V~0.3V @ -55°C~130°C		SC-70-3/ SC-70-5

Digital Interface Temperature Sensor

Part Number	V _{CC} (V)		Remote CH	Local CH	Interface	Slave Address	Accuracy (°C)		Note	Package
	min.	max.								
G754	1.6	3.6	--	1	SMBus	1110xxx	±2	-10°C to 100°C ±2°C (max)		WLCSP2X2-4
G756	1.6	3.6	--	1	SMBus	10010xx	±2	-10°C to 100°C ±2°C (max)		SOT-563
G751	3	5.5	--	1	SMBus	1001xxx	±2	9 bits resolution		SOP-8/ MSOP-8
G753H	3	3.6	--	1	SMBus	1001000	±1 ±3	-10°C to 80°C ±1°C (max) -55°C to 125°C ±3°C (max)		SOT-23-5
M7533	3	3.6	--	1	SMBus	1001000	±2 ±3	-10°C to 100°C ±2°C (max) -55°C to 125°C ±3°C (max)		SOT-23-5
G781 G781-1	3	5.5	1	1	SMBus	1001100 1001101	±1	Remote up to 160°C		M/SOP-8(FD)
G788 G788-1	3	3.6	1	1	SMBus	1001100 1001101	±1	THERM or ALERT Limitation is set by pull-up resistor		MSOP-8/ TDFN3X3-8

Thermal Sensor With Fan Controller

Part Number	V _{CC} (V)		Remote CH	Local CH	Fan CH	Slave Address	Accuracy (°C)		Note	Package
	min.	max.								
G7931	4.5	5.5	2	1	3	Selectable	±1	ADD0 for address selection		TSSOP-20
G7932	4.5	5.5	2	1	4	0111001	±1	Build-in clock		TSSOP-20

Fan Speed Controller & Driver

Part Number	V _{CC} (V)		I _{OUT} (A)	Crystal (k Hz)	Interface	Slave Address	Speed Control	Note	Package
G761	3	5.5	1	32.768	I ² C	Selectable	Linear/ PWM	ADD0 for address selection, FG, ALERT#, CLK1%	MSOP-10

Linear Fan Driver

Part Number	V _{CC} (V)		I _{OUT} (A)	V _{OUT} (V)	V _{OUT} SET	Dropout (V)	EN	Note	Package
	min.	max.							
G9941A	8	15	0.5	2.5XV _{SET}	V _{SET}	0.5	YES	OTP	SOP-8(FD)
G9941	8	15	0.5	4XV _{SET}	V _{SET}	0.5	YES	OCP, OTP	SOP-8(FD)
G994	10	20	0.5	4XV _{SET}	V _{SET}	0.5	YES	OCP, OTP	SOP-8(FD)
G5363	12	28	0.4	7.3XV _{ADIM}	V _{ADIM}	0.12	YES	OCP, OTP, SS	SOP-8(FD)

LDO Series

Single Power LDO

Part Number	V _{IN} (V)		I _{OUT} (A)	V _{OUT} (V)	Dropout (V)	EN	Dis-R (Ω)	I _Q (μA)	Note	Package
G2259	2.5	5.5	0.15	1.1 ~ 5.0	0.5	Y	125	0.6	MLCC, Ultra Low I _Q	SOT-23-5/ UDFN1X1-4/ ADFN0.8X0.8-4
G9103	2.4	6	0.2	1.21 ~ 5.0	0.13	Y	100	25	PSRR 75 dB	SOT-563/ TSOT-23-5/ UDFN1X1-4
G2920	3.5	36	0.2	3.3/5/ADJ	0.5	Y	--	2.5	MLCC, Low I _Q	SOT-23-5
G2921	3.5	36	0.2	3.3/5	0.5	Y	--	3.5	MLCC, Low I _Q	SOT-23-3/ TDFN2X2-6
G2260	2.5	6.5	0.25	1.5~5.0	0.15	N/Y	125	1		SOT-23-3/5/ UDFN1X1-4
G9091	2.5	6	0.3	1.2/1.8/ 2.5/2.8/3.3	0.21	Y	200	80	MLCC	SC-70-5/SOT-23-5/ TSOT-23-5/ T/DFN1.6X1.6-6/ TDFN2X2-6
G9090	2.5	6	0.3	1.5/1.8/2.8/ 3.0/3.1/3.3	0.21	Y	230	80	MLCC	SOT-23-5/ TSOT-23-5/ TDFN2X2-6
G918	2.5	6	0.3	ADJ(0.8)	0.24	Y	Y	100	MLCC	T/SOT-23-5
G917	2.5	6	0.3	ADJ(1.2)	0.24	Y	Y	100	MLCC	SOT-23-5
G916	2.5	6	0.3	1.2/1.8/2.5/3.3	0.24	Y	Y	90	MLCC	SOT-23-5
G913C	2.5	5.5	0.3	3.3	0.4	Y	Y	90	MLCC	SOT-23-5
G9001	2.5	7	0.5	1.2/1.8/2.5/ 3.15/3.3/5.0	0.3	Y	200	80	MLCC	T/SOT-23-5/ SOT-89
G983	2.5	6	0.6	1.7/1.8/2.5/3.3	0.2	Y	--	300	MLCC	SOP-8
G9141	2.5	5.5	0.6	ADJ(1.0)	0.8	Y	Y	90	MLCC	SOT-23-5
G933	4	6.5	0.6	3.3	0.65	N	--	300		SOT-89-3
G912	2.7	6.5	1	1.2	1.55	N	--	480		SOT-223-3
G1117-XX	3	6	1	1.8/2.5/3.3	1.3	N	--	600		SOT-223-3
G950	3.3	6	1	2.5	1.15	N	--	600		SOT-223-3
G960	4	7	1	3.3	0.8	N	--	600		SOT-223-3/TO-252-3
G9916	2.4	5.5	1.5	1.2/1.8/2.5/3.3	0.4	N	N	1200		SOT-223-3
G9815	2.5	6	1.5	1.2/3.3	0.6	N	N	45	MLCC	TO-252-3
AT9915	2.2	7	1.5	1.8	0.4	N	--	3000		SOT-223
G9915	2.2	7	1.5	1.2/1.8/2.5/3.3	0.4	N	--	3000	MLCC	TO-252-3
G965	2.2	6	1.8	2.5/ADJ(1.2)	0.5	Y	--	1700	Dual mode	SOP-8
G9822	2.5	6	2	ADJ(0.6)	0.4	Y	330	100		SOP-8(FD)
G962	2.2	7	2	1.8/ADJ(1.2)	0.45	Y	--	3000	MLCC	TO-252-5

Dual Power LDO

Part Number	V _{IN} (V)		I _{OUT} (A)	V _{OUT} (V)	Dropout (V)	EN	Dis-R (Ω)	I _Q (μA)	Note	Package
G9107	2.8	6	0.3	ADJ	0.1	Y	100	30	Uninterruptible V _{OUT} from IN1 or IN2	SOT23-6/8/ TDFN2X2-6/8
G940	1	5.5	0.8	ADJ(0.5)	0.2	Y	Y	20	MLCC	TDFN3X2-8
G942	1	5.5	1	ADJ(0.5)	0.3	Y	35	20	MLCC	SOP-8(FD)
G964	1.4	5.5	1	ADJ(0.8)	0.15	Y	90	1000	MLCC, POK	SOP-8
G943	1	5.5	1	0.9/1.05/1.2/1.5/1.8/ 2.5/3.3/ADJ(0.8)	0.3	Y	35	60	V _{OUT} set by SET1 & SET2	SOP-8(FD)
G947	1	5.5	1.5	ADJ(0.8)	0.12	Y	70		MLCC, POK, SS	TDFN3X3-10
G946	1	5.5	3	ADJ(0.8)	0.23	Y	85	60	MLCC, POK	SOP-8(FD)
G9661 G9661M	1.1	5.5	3	ADJ(0.8)	0.3	Y	90	900	MLCC, POK, SS	SOP-8(FD)/ TDFN3X3-10
G966A	1.1	5.5	3	ADJ(0.8)	0.45	Y	90	1000	MLCC, POK, SS	SOP-8(FD)
G9336	4.5	5.5	--	ADJ(0.5)	--	Y	--	250	LDO driver	TSOT-23-6



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