

PRODUCT CATALOG

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CONTENTS

1.	Power Management and LED Driver	3
1.1	LDO/ULDO	3
1.2	LED Color Screen	3
1.3	LED Lighting/LED Backlight Driver.....	3
1.4	AC-DC Converter	4
1.5	DC-DC Converter.....	4
1.6	PC Power	4
1.7	LI+ Battery Protection IC	5
1.8	PFC	5
1.9	Audio Power Amplifier	5
1.10	Audio Amplifier.....	5
2.	Digital Audio/Video Products.....	6
2.1	Boombox System Solution	6
3.	Mixed Signal and RF Product	7
3.1	Multi-Media Audio System.....	7
3.2	TV/Video Circuit	7
3.3	TV RF Modulator.....	7
4.	Video Surveillance	8
4.1	PCI Multi-channel Video Compression Card	8
5.	General Consume Electronic Product.....	9
4.1	CD/DVD Optical Pick-Up Driver	9
4.2	Programmable Remote Control Transmitter Circuit.....	9
4.3	Fixed Code Remote Control Transmitter	10
4.4	FM/AM Tuner Stereo Demodulator.....	10
4.5	Electronic Fan Control Transmitter Circuit.....	10
4.6	LED/LCD/VFD Driver	11
4.7	Toy Car Remote Control Transmitter/Receiver.....	11
4.8	Remote Control Encoder And Decoder	11
4.9	Multi-Meter Circuits	11
4.10	DTS/PLL/Frequency Display Circuit	12
4.11	DC Motor Driver.....	12
6.	Miscellaneous	13
5.1	RDS	13
5.2	Fast Ethernet NIC Controller	13
5.3	Clock Circuit.....	13
5.4	Calculator IC	13
7.	Discrete Device.....	14
6.1	S-Rin TM HVMOS.....	14
6.2	Fast Recovery Diode (FRD).....	15
6.3	Schottky Barrier Diode (SBD).....	15
6.4	Current Regulative Diode (CRD).....	16

1. Power Management and LED Driver

1.1 LDO/ULDO

Product Name	Iout(A)	Vout(V)	Vdropout (V)	Line Regulation Max.(%/V)	Load Regulation (mV)	Availability	Package
SA1084	5	1.5, 1.8, 2.5, 3.3, 5.0, ADJ	1.5	0.2	20	Mass	TO-252-2L/TO-263-3L TO-220-3L/TO-263-2L
SA1085	3	1.5, 1.8, 2.5, 3.3, 5.0, ADJ	1.3	0.2	20	Mass	TO-252-2L/TO-263-3L TO-220-3L/TO-263-2L
SA1117	1	1.2, 1.5, 1.8, 2.5, 3.3, 5.0, ADJ	1.2	0.2	6-12	Mass	SOT-223/SOT-89-3 TO-220-3L/TO-252-2L TO-263-3L
SA1117B	0.8	1.2,1.5, 1.8, 2.5, 3.3, 5.0, ADJ	1.2	0.2	6-12	Mass	SOT-223/TO-252-2L
SA78RXX	1	2.5, 3.3, 5, 8, 9, 12,15, ADJ	0.15	0.5-2.5	0.1-2	Mass	TO-220F-4L/TO-252-5L
SA78RLXX	1	2.5, 3.3, 5, 8, 9, 12,15, ADJ	0.2	0.5-2.5	0.1-2	Mass	TO-220F-4L/TO-252-5L
SA278RXX	2	2.5, 3.3, 5, 8, 9, 12,15, 18, ADJ	0.3	0.5-2.5	0.1-2	Mass	TO-220F-4L/TO-252-5L
SA378RXX	3	3.3, 5, 8, 9, 12,15, 18, ADJ	0.3	0.5-2.5	0.1-2	Mass	TO-220F-4L/TO-252-5L
SA2940	1	3.3, 5.0	0.5	1	1.5	Sample	TO-220-3L/TO-252-2L TO-263-3L

1.2 LED Color Screen

Product Name	Supply Voltage(V)	Clock Frequency (MHz)	Enable Pulse Width(μs)	Output Current(mA)	Current Accuracy (%)		Output Voltage	Availability	Package
					Between Bit	Between Device			
SD16729	6	30	0.03	1-45	±2	±3	0.5-17	Mass	SSOP-24-300-1.0 SSOP-24-225-0.635
SD16730	6	20	0.175/0.13	2-80	±3	±6	-0.2-17	Mass	SOP-16-225-1.27 DIP-16-300-2.54
SD16739	6	30	0.03	1-45	±2	±3	0.5-17	Sample	SSOP-24-300-1.0 SSOP-24-225-0.635

1.3 LED Lighting/LED Backlight Driver

Product Name	Vin Min(V)	Vin Max(V)	Operating Frequency (KHz)	Efficiency Max(%)	Iled Max(A)	Max Number Of Leds	PWM Dimming	EN	MOSFET	Topology	Availability	Package
SD42351	3	6	--	--	0.35	1	No	No	--	Linear	Mass	SOT-89-3
SD42522	6	36	280	96	1	10	No	No	Internal 36V	Buck	Mass	ESOP-8-225-1.27
SD42522EH	6	36	280	96	1	10	No	No	Internal 60V	Buck	Mass	SOP-8-225-1.27
SD42524	6	36	280	96	1	10	Yes	No	Internal 36V	Buck	Mass	SOP-8-225-1.27
SD42524EH	6	36	280	96	1	10	Yes	No	Internal 60V	Buck	Mass	ESOP-8-225-1.27
SD42560	6	36	280	82 for Buck-boost	0.5 (buck-boost) 1(buck) 1(boost)	10	Yes	No	Internal 36V	Buck/ Boost/ Buck-boost	Mass	SOP-8-225-1.27 ESOP-8-225-1.27
SD42525	6	36	Variable Frequency	96	1	10	No	No	Internal 36V	Buck	Mass	SOP-8-225-1.27 SOT-89-5L SOT-23-6L
SD42527	6	48	280	96	1	13	Yes	No	Internal 60V	Buck	Sample	SOP-8-225-1.27 ESOP-8-225-1.27
SD42528	6	60	280	96	1	17	Yes	No	Internal 80V	Buck	Sample	SOP-8-225-1.27 ESOP-8-225-1.27
SD42530	6	48	280	96	1	13	Yes	Yes	Internal 60V	Buck	Sample	HSOP-28-375-0.8
SD42608	2.4	5	400	90	0.2	2	--	Yes	Internal 12V	Buck/ Boost/ Buck-boost	Sample	SOP-16-225-1.27
SD42618	6	36	300	92	--	--	Yes	Yes	External	Boost	Sample	SOP-16-225-1.27
SD6856	85	265	Variable Frequency	80	0.35	7	No (PFM)	Yes	External	PSR	Mass	SOT-23-6L

1.4 AC-DC Converter

Product Name	Start Up Voltage (V)	Operation Current (mA)	Start Up Current (Max.) (μA)	Peak Current Limit (A)	Oscillator Frequency (KHz)	Drain Maximum Voltage(V)	Frequency jitter	Output Power (85~265vac)(W)		Output Power (190~265vac)(W)		Availability	Package
								Close	Open	Close	Open		
SD4840	12	3	20	0.60	67	650	Yes	5	7.2	7	9	Mass	DIP-8-300-2.54
SD4841	12	3	20	0.75	67	650	Yes	8	12	10	14	Mass	DIP-8-300-2.54
SD4842	12	3	20	0.90	67	650	Yes	10	14	12	17	Mass	DIP-8-300-2.54
SD4843	12	3	20	1.20	67	650	Yes	12	15	14	19	Mass	DIP-8-300-2.54
SD4844	12	3	20	1.50	67	650	Yes	14	18	16	21	Mass	DIP-8-300-2.54
SD4870	14.3	2	20	--	65	--	Yes	--	--	--	--	Mass	DIP-8-300-2.54 SOP-8-225-1.27 SOT-23-6L
SD4851DD3	16	0.4	6	0.185	--	700	--	--	--	--	--	Mass	DIP-8A-300-2.54
SD4851DD35	16	0.4	6	0.220	--	700	--	--	--	--	--	Mass	DIP-8A-300-2.54
SD4851DD4	16	0.4	6	0.250	--	700	--	--	--	--	--	Mass	DIP-8A-300-2.54
SD4851DD5	16	0.4	6	0.315	--	650	--	--	--	--	--	Mass	DIP-8A-300-2.54
SD6852	15	0.3	6	0.33	--	800	Yes	3.5	--	3.5	--	Sample	DIP-8A-300-2.54
SD6854	15	0.3	6	0.48	--	650	Yes	5	--	5	--	Mass	DIP-8A-300-2.54
SDH6853	18	0.4	6	0.33	--	800	Yes	3.5	--	3.5	--	Design	DIP-8A-300-2.54
SD6861	15	3	10	0.75	67	650	Yes	8	12	10	14	Mass	DIP-8-300-2.54
SD6863	15	3	10	1.20	67	650	Yes	12	15	14	19	Mass	DIP-8-300-2.54
SD6864	15	3	10	1.50	67	650	Yes	14	18	16	21	Mass	DIP-8-300-2.54
SD6832	15	3	10	0.75	67	650	Yes	8/10	12/14	10/12	14	Mass	DIP-8-300-2.54
SD6834	15	3	10	0.75	67	650	Yes	8/10	12/14	10/12	16	Mass	DIP-8-300-2.54

1.5 DC-DC Converter

Product Name	Vin Min (V)	Vin Max (V)	Vout Min (V)	Quiescent Current (μA)	Vout Max (V)	Iout Max (A)	Operating Frequency (kHz)	Efficiency Max(%)	Topology	Availability	Package
SC46208	2.5	5.5	0.6	20	Vin	0.6	1500	95	Buck	Mass	SOT-23-5
SC46208A	2.5	5.5	0.6	200	Vin	0.6	1500	95	Buck	Mass	SOT-23-5
SC46166	0.85	5	2.5	20	6	0.3	500	90	Boost	Mass	SOT-23-6L SOT-89-5L
SD46520	4.75	18	1.22	3000	16	2	400	95	Buck	Mass	SOP-8-225-1.27
SD45215	8	30	0.835	2000	Vin	1.5	120	90	Buck CC/CV	Sample	SOP-8-225-1.27
SD45216	8	40	0.835	2000	-	2.1	120	90	Buck CC/CV	Sample	ESOP-8-225-1.27
SD46524	4.5	18	0.835	2000	16	2	400	95	Buck	Sample	ESOP-8-225-1.27
SD46534	4.5	18	0.835	2000	16	3	400	95	Buck	Sample	ESOP-8-225-1.27

1.6 PC Power

Product Name	Input Voltage (V)	Supply Current (mA)	Operating Frequency (KHz)	Over Voltage /Under Voltage Protection For 3.3V/5V/12V	Over Power Protection	Short Circuit Protection	Ac-Input Under Voltage Protection	Pson For Remote Controller	Soft Start	Two Shunt Regulators	Availability	Package
SC6105	5	5	65	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Mass	DIP-20-300-2.54
SD6109	5	5	65	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Mass	DIP-20-300-2.54
SD6120	15	7	65	No	Yes	Yes	N	N	Yes	Yes	Sample	DIP-16-300-2.54 SOP-16-375-1.27

1.7 LI+ Battery Protection IC

Product Name	Input Voltage (V)	Supply Current (μA)	Over-Charge Voltage(V)	Over-Charge Release Voltage(V)	Over-Discharge Voltage(V)	Over-Discharge Release Voltage(V)	Battery Cells	Over-Current Voltage(mV)	Availability	Package
SA1412A	-0.3~18	18	4.350±0.025	4.130±0.050	2.3±0.1	3.5±0.2	2	150±15	Mass	TSSOP-8-225-0.65
SA1412B			4.300±0.025	4.080±0.050	2.3±0.1	3.5±0.2		150±15		
SA1412C			4.250±0.025	4.030±0.050	2.3±0.1	3.5±0.2		150±15		
SA1412D			4.300±0.025	4.100±0.050	2.5±0.1	3.0±0.1		75±15		
SA45141SC	-0.3~24	27	4.350±0.025	4.150±0.060	2.3±0.1	3.00±0.15	4	150±15	Mass	SSOP-20-225-0.65
SA45141SD			4.350±0.025	4.150±0.060	2.6±0.2	3.00±0.20		150±15		
SA45141SE			4.350±0.025	4.150±0.060	2.9±0.1	3.00±0.15		200±15		
SA45141SH			4.250±0.025	4.242±0.008	2.9±0.1	3.00±0.15		200±15		

1.8 PFC

Product Name	Start Up Voltage(V)	Operation Current (mA)	Start Up Current(μA)	Maximum Input Voltage(V)	Error Amplifier Vref (V)	Error Amplifier Gbw(MHz)	Work Mode	THD optimized function	Availability	Package
SA7527	11.5	3	60	30	2.5	1	Critical Conduction Mode	N	Mass	DIP-8-300-2.54 SOP-8-225-1.27
SD7528	12.5V	4	30	25	2.5	1	Transition Mode	Y	Sample	DIP-8-300-2.54 SOP-8-225-1.27

1.9 Audio Power Amplifier

Product Name	Supply Voltage(V)			Output Power(W)	Output Channel	Type	THD(%)	Quiescent Current (mA)	Availability	Package
	Min.	Typ.	Max.							
SA1622	1.8	3	7	110mW	2	AB	0.70	3	Mass	DIP-16-300-2.54 SOP-16-225-1.27 SSOP-16-300-0.65
SA7412	7.5	9	13.5	1	2	AB	0.15	32	Mass	FDIP-16-300-2.54
SA7496	10	14	18	2	2	AB	0.10	25	Mass	DIP-20IH-300-2.54 DIP-20-300-2.54 SOP-20-375-1.27
SA7454	8.5	14.4	18	6	2	AB	0.10	40	Mass	HSIP-9/DIP-18IH-300-2.54
SA7454C	8.5	14.4	18	6	2	AB	0.10	40	Mass	HSIP-9/DIP-18IH-300-2.54
SD7408	8.5	12	18	9.5	2	D	0.20	10	Sample	HSOP-28-375-0.8 ELQFP-48-7×7-0.5

1.10 Audio Amplifier

Product Name	Supply Voltage(V)	Output Channel	SNR (DB)	Channel separation (DB)	THD(%)	Quiescent Current (mA)	Availability	Package
SD7401RC/SM	+5/-12	6	100	84	0.01	3/14.8	Mass	SSOP-20-225-0.65 SOP-20-300-1.27
SD7402	+5/-12	3	100	84	0.01	3/14.8	Mass	SOP-16-225-1.27
SA2011	4/14	1	100	/	0.2	4.4/8.0	Mass	SIP8-7

2. Digital Audio/Video Products

2.1 Boombox System Solution

Main Chip	System Solution Function	Function Description
SC9635	Basic BOOMBOX (LED display) —Support Remote Controller	CD Digital Servo Signal Processor with MCU (with 2 Digits LED Display and Remote Control)
SC9636	Basic BOOMBOX (LED display)	CD Digital Servo Signal Processor with MCU (with 2 Digits LED Display)
SC9637	Basic BOOMBOX (LCD display)	CD Digital Servo Signal Processor with MCU(2/4 Digits LCD Display and Remote Control)
SC9638EP/FP	MTR+CD+CLOCK +RADIO DISPLAY	CD Servo Controller With MCU(with Clock and Radio Frequency Display)
SC9697P+SC9820	MTR+CD+MP3+CLOCK	SC9697P: CD Servo Controller With MCU(with Clock and Radio Frequency Display) SC9820: MP3 Decoder with CD Interface
SC9698P+SC9820	DTS+CD+MP3+CLOCK	SC9698P: CD Servo Controller With MCU(Can connect with SC9820 MP3 decoder) SC9820: MP3 Decoder with CD Interface
SC9321	iPOD+DTS+CLOCK	Audio Control MCU With Low Power And High Performance
SC9825	CD-MP3/WMA decoder solution of single chip	VCD Signal-chip Processor
SC9827	CD-MP3/WMA/CD-G decoder solution of single chip	VCD Signal-chip Processor
SC9308	iPOD+MTR+CLOCK	Audio System Control MCU With Analog Radio Function

3. Mixed Signal and RF Product

3.1 Multi-Media Audio System

Product Name	Supply Voltage			Channel	Max Volume Attenuation Range (dB)	Attenuation Step (dB)	SNR (dB)	THD (dB)	Control Interface	Availability	Package
	Min.	Typ.	Max.								
SC5358	4	9	12	6	-79	1	110	-70	I ² C	Mass	DIP-20-300-2.54 SOP-20-375-1.27
SC7312	6	9	10	8	-78.75	1.25	106	-60	I ² C	Mass	SOP-32-375-1.27
SC7313	6	9	10	6	-78.75	1.25	106	-60	I ² C	Mass	DIP-28-600-2.54 SOP-28-375-1.27
SC7314	6	9	10	8	-78.75	1.25	106	-60	I ² C	Mass	DIP-28-600-2.54 SOP-28-375-1.27 SDIP-28-400-1.778
SC9235	4.5	9	12	2	-78	2	90	-60	External Key	Mass	DIP-16-300-2.54 SOP-16-225-1.27 SOP-16-375-1.27

3.2 TV/Video Circuit

Product Name	Supply Voltage (V)			Tamb(°C)	Power dissipation (W)	Control interface	Channel cross talk (dB)	Availability	Package
	Min.	Typ.	Max.						
SC8113	3.0	3.3	3.6	0~70	0.4	I ² C	-50	Mass	QFP-44-10 x 10-0.8
SA9801	4.5	5	9.9	0~70	0.3	I ² C	--	Mass	SOP-20-375-1.27
SD9885	4.5	5	5.5	0~70	0.3	I ² C	--	Mass	SOP-24-375-1.27 SSOP-24-300-0.65 QFN-32-5×5-0.75
SD9886	4.5	5	5.5	0~70	0.3	I ² C	--	Mass	SOP-24-375-1.27 SSOP-24-300-0.65 QFN-32-5×5-0.75

3.3 TV RF Modulator

Product Name	Supply Voltage (V)			Tamb(°C)	Power dissipation (mW)	Control interface	Channel cross talk (dB)	Availability	Package
	Min.	Typ.	Max.						
SD1372	4.5	5	5.5	-20~75	45	--	--	Sample	TSSOP 16
SA1535	4.5	5	5.5	-40~85	75	--	--	Sample	SOT-32-3L

4. Video Surveillance

4.1 PCI Multi-channel Video Compression Card

Product Name	Supply Voltage(V)	Coding Channel	Coding standard	Operating frequency(MHz)	Availability	Package
SC8916	3.3/1.5	4D1/16CIF	H.264 Baseline 3.0	166	Sample	ELQFP256
SC8908	3.3/1.5	2D1/8CIF	H.264 Baseline 3.0	166	Sample	ELQFP256

5. General Consume Electronic Product

4.1 CD/DVD Optical Pick-Up Driver

Product Name	Supply Voltage(V)	Channel Number	Mute Of Driver Output	Regulator For DSP(V)	T.S.D	Stand By Circuit	Max. Power Dissipation(W)	Availability	Package
SA1469PH	12	4	Yes	3.3	Y	--	1.7	Mass	HSOP-28-375-0.8
SA1469XH	12	4	Yes	5.0	Y	--	1.7	Mass	HSOP-28-375-0.8
SA1469TS	12	4	Yes	3.3	Y	--	1.7	Mass	HSOP-28-375-0.8
SA5624	4.3~13.2	4	Yes	--	Y	Y	1.7	Mass	HSOP-28-375-0.8
SA5664	4.5~13.2	1	Yes	--	Y	Y	2.2	Mass	HSOP-28-375-0.8
SA5810	4.3~13.2	5	Yes	--	Y	Y	1.7	Mass	HSOP-28-375-0.8
SA5888	4.3~8.0	5	Yes	Variable	Y	--	1.7	Mass	HSOP-28-375-0.8
SA1466	4.3~8.0	5	Yes	Variable	Y	--	1.7	Mass	HSOP-28-375-0.8
SA5954	4.3~13.2	4	Yes	--	Y	Y	1.7	Mass	HSOP-28-375-0.8
SA9258	4.3~12.0	4	Yes	5	Y	--	1.7	Mass	HSOP-28-375-0.8
SA9259	6.0~13.2	5	Yes	5	Y	--	1.7	Mass	HSOP-28-375-0.8

4.2 Programmable Remote Control Transmitter Circuit

Product Name	Supply Voltage(V)			Max. Quiescent Current(mA)	MCU	ROM	RAM	LCD Driver	Availability	Package
	Min.	Typ.	Max.							
SC51D01FXX	2.2	3	3.6	1	8-Bit 51	16K/32K/64K Flash	64x8	No	Mass	SOP-28-375-1.27 SOP-32-375-1.27
SC65D02P40	2	3	6	2	8-Bit 6502	40K OTP	256 bytes	No	Mass	SOP-24-375-1.27 SSOP-24-300-0.65 SOP-28-375-1.27 SSOP-28-300-0.65
SC65D02C40	2	3	6	2	8-Bit 6502	40K MASK	256 bytes	No	Mass	SOP-24-375-1.27 SSOP-24-300-0.65 SOP-28-375-1.27 SSOP-28-300-0.65
SC73P1601	2	3	4	1	4-Bit 73	1K OTP	16x4	No	Mass	SSOP-20-300-0.65 SOP-20-300-1.27 DIE SOP-20-375-1.27 SSOP-20-225-0.65
SC73C1402	2	3	5	1	4-Bit 73	2K MASK	16x4	No	Mass	SOP-24-375-1.27 SOP-20-300-1.27 SSOP-20-300-0.65 SOP-20-375-1.27 DIE SSOP-24-300-0.65
SC73C1602	2	3	5	1	4-Bit 73	2K MASK	32 x 4	No	Mass	SOP-16-225-1.27 SOP-20-300-1.27 SOP-20-375-1.27 SSOP-20-300-0.65 SSOP-20-225-0.65
SC73P2602	1.8	3	3.6	1	4-Bit 73	2K OTP	32 x 4	No	Sample	SOP-16-225-1.27 SOP-20-300-1.27 SOP-20-375-1.27 SSOP-20-300-0.65 SSOP-20-225-0.65 SOP-24-375-1.27 SOP-8-225-1.27

4.3 Fixed Code Remote Control Transmitter

Product Name	Supply Voltage(V)			Max. Quiescent Current (mA)	Code Format	Max Key	Double Key	Availability	Package
	Min.	Typ.	Max.						
SC3004	2	3	5.5	1	3004	64	No	Mass	SDIP-24-300-2.54 SOP-24-375-1.27
SC3010	2	3	5.5	1	3010	64	No	Mass	SOP-28-375-1.27 DIP-28-600-2.54
SC50462	1.8	3	5	1	50462	64	Yes	Mass	SDIP-24-300-2.54 SOP-24-375-1.27
SC50560	2	3	4	1	50560	32	Yes	Mass	DIP-20-300-2.54 SOP-20-375-1.27
SC6121	2	3	5	1	UPD6122	32	Yes	Mass	SOP-20-375-1.27
SC6122	2	3	4	1		64	Yes	Mass	SOP-24-375-1.27
SC7461	2	3	5	1	LC7461	64	Yes	Mass	SOP-24-375-1.27
SC9012	2		5	1	TC9012	32	Yes	Mass	SOP-20-300-1.27
SC9028	2		5	1		64	No	Mass	SOP-20-300-1.27
SC9243	2	3	5	1		32	Yes	Mass	DIP-20-300-2.54 SOP-20-375-1.27
SC9244	-0.3	3	5	1		64	No	Mass	SOP-20-300-1.27 SOP-24-375-1.27

4.4 FM/AM Tuner Stereo Demodulator

Product Name	Stereo	Stereo Indicator	Tuner Indicator	AFC Diode	Power Amp.	DTS Interface	Applications	Availability	Package
SA2003							FM/AM radio	Mass	DIP-16-300-2.54 SOP-16-225-1.27
SA2104	Yes	Yes				Yes	AM/FM+stereo+DTS	Mass	SDIP-24-300-1.778 SSOP-24-300-0.65
SA2111	Yes	Yes	Yes	Yes			AM/FM+stereo+AFC	Mass	SDIP-24-300-1.778 SSOP-24-300-0.65
SA2132	Yes	Yes				Yes	SA2104+PLL	Mass	DIP-16-300-2.54 SOP-16-225-1.27
SC1088				Yes			FM	Mass	SOP-16-225-1.27

4.5 Electronic Fan Control Transmitter Circuit

Product Name	Supply Voltage(V)			Max. Quiescent Current(μA)	OSC Frequency(kHz)	Availability	Package
	Min.	Typ.	Max.				
SC5104	2.2	3	5	1	455	Mass	DIP-16-300-2.54 SOP-16-225-1.27
SC8206	3	5	6	1	455	Mass	DIP-18-300-2.54 DIP-20-300-2.54
SC8207	3	5	6	0.6	455	Mass	DIP-20-300-2.54 SDIP-22-300-2.54

4.6 LED/LCD/VFD Driver

Product Name	Supply Voltage(V)	Supply Current (mA)	Bias/Duty	Seg/Com	Output Key No.	Input Key No.	Availability	Package
SC16313	-0.5 ~ +7.0	5 (without display)	1/4,1/8	12	17	4	Mass	SOP-28-375-1.27
SC16458	-0.5 ~ +7.0	5 (without display)	1/6	10	14	2	Mass	SOP-28-375-1.27
SC75823	4.5~6.0	0.8 (1/2,5V) 0.6 (1/3,5V) 1.3 (1/2,6V) 1.2 (1/3,6V)	1/3 1/2,1/3	52/3	55	4	Mass	LQFP-64-10x10-0.5 QFP-64-14x14-0.8

4.7 Toy Car Remote Control Transmitter/Receiver

Product Name	Supply Voltage(V)	Supply Current(mA)	Controlled Keys	Standby Current(mA)	Availability	Package
RX-2B	1.5-5.0	2	5	10	Mass	DIP-16-300-2.54 SOP-16-225-1.27
RX-2C	1.8-5.0	0.4	5	3	Mass	DIP-16-300-2.54 SOP-16-225-1.27
TX-2B	1.5-5	2	5	10	Mass	DIP-14-300-2.54 SOP-16-225-1.27
SDT2000	2.1-5.5	11	5	<0.001	Sample	DIP-16-300-2.54 SOP-16-225-1.27
SDR2000	2.8-7.2	7	5	<0.001	Sample	DIP-16-300-2.54 SOP-16-225-1.27
SDR2000C	1.5-7.2	7	5	<0.001	Mass	DIP-16-300-2.54 SOP-16-225-1.27

4.8 Remote Control Encoder and Decoder

Product Name	Supply Voltage(V)	Pd(mW)	Key No.	Encoder	Decoder	Availability	Package
SC5262	3-15	300	6	Yes		Mass	DIP-18-300-2.54 DIP-20-300-2.54 SOP-20-375-1.27
SC5272	3-6	300			Yes	Mass	DIP-18-300-2.54 DIP-20-300-2.54 SOP-20-375-1.27
SC5240	3-15	300	4	Yes		Mass	SOP-8-225-1.27

4.9 Multi-Meter Circuits

Product Name	Supply Voltage(V)			Max. Quiescent Current(mA)	LCD Driver	Availability	Package
	Min.	Typ.	Max.				
SC7001Q	2.4	3	3.6	0.6	3*26	Mass	QFP-80-14X20-0.8
SC7106	7	9	12	2	24	Mass	DIP-40-600-2.54 DIE QFP-44-10x10-0.8
SC9711	2.4	3.3	3.6	1	4*14	Mass	QFP-100-14x 20-0.65 DIE

4.10 DTS/PLL/Frequency Display Circuit

Product Name	Supply Voltage(V)			Max. Quiescent current (mA)	LCD Driver	Availability	Package
	Min.	Typ.	Max.				
SC3610	2	3	7	0.055	3*13	Mass	QFP-44-10x10x-0.8 COB
SC72131	4.5	5	5.5	0.5	None	Mass	SDIP-22-300-1.778 SOP-20-300-1.27
SC9257	3.5	4.2	5.5	0.8	None	Mass	SOP-20-300-1.27 DIP-20-300-2.54
SC9318	1.8	3.3	3.6	0.08	3*23	Mass	LQFP-64-10x10-0.5 LQFP-64-12x12-0.65 QFP-64-14x14-0.8 QFP-64-14x20-1.0
SC9364	2.7	3.3	3.6	0.02	4*32	Mass	QFP100-14X10-0.65
SC9351	2.7	3.3	3.6	0.02	None	Mass	LQFP-64-10 x10-0.5

4.11 DC Motor Driver

Product Name	Supply Voltage			Max. Output Current(A)	Max Quiescent Current (mA)	Max. Power Dissipation(mW)	Availability	Package
	Min.	Typ.	Max.					
SA1510	5	8	12	1.0	0.01	500	Mass	DIP-8-300-2.54
						500		SOP-8-300-2.54
SA276	3.5	--	20	0.5	--	500	Mass	TO-94
SD1561	4.5	12	18	1.0	5.1	1100	Mass	HTSSOP14-225-0.65
						800		SSOP16-225-0.65
SD1579	2.9	12	30	0.7	4.0	500	Mass	TO-94
SD1501	2.4	2.7	5.5	--	0.02	230	Mass	TSOT-23
SD1502	3.5	5	30	--	5	400	Sample	TO-92

6. Miscellaneous

5.1 RDS

Product Name	Supply Voltage(V)	Operating Current(mA)	SRDS(MV)	RDS Decoder	RDS Demodulator	Availability	Package
SC1923	3.0-6.0	4.5-7	1	Yes		Mass	DIP-16-300-2.54 SOP-16-225-1.27 SSOP-16-300-0.65
SC6579	3.6-6.5	6	1		Yes	Mass	DIP-16-300-2.54 SOP-16-375-1.27 SOP-16-225-1.27

5.2 Fast Ethernet NIC Controller

Product Name	Supply Voltage(V)	Supply Current(mA)	Specifications	Operation	Data Rate(Mbps)	Availability	Package
SC92031	0-4.0	-1.0-10	PCI2.2&IEEE802.3 μ 100base-T	half-duplex/full-duplex	10/100	Mass	QFP-100-14 X 20-0.65 LQFP-100-14 X 14-0.5

5.3 Clock Circuit

Product Name	Supply Voltage(V)	Output Voltage (V)	Radio	Alarm	Sleep	Led Driver	Availability	Package
SC8560	-14~ -7.5	-15~+0.3	No	Yes	Yes	Yes	Mass	SOP-28-375-1.27 SDIP-28-400-1.778
SC8562	-14~ -8	-17~+0.3	Yes	Yes	Yes	Duplex	Mass	SDIP-28-400-1.778

5.4 Calculator IC

Product Name	Supply Voltage(V)	Operating Current(mA)	Standby Current(mA)	Display Digits	Availability	Package
SC3442	2.5-3.4	70-120	20-35	10	Mass	Chip
SC3449	2.4-3.6	35	0.1	10	Mass	Chip

7. Discrete Device

6.1 S-Rin™ HV MOS

Product Name	Nominal Current/Voltage	Rdson	Availability	Package
		Max.		
SVD1N60DB	500mA / 600V	13.5 Ω	Mass	TO-92-3L
SVD1N60M, T, B, D	1A / 600V	11.0 Ω	Mass	TO-251-3L; TO-92-3L; TO-220-3L TO-252-2L
SVD1N70M, T, B	1A / 700V	14.5 Ω	Sample	TO-251-3L; TO-220-3L TO-92-3L
SVD1N80M, T, F, B	1A / 800V	16 Ω	Sample	TO-251-3L; TO-220F-3L, TO-92-3L
SVD2N60T, F, M, D	2A / 600V	4.6 Ω	Mass	TO-251-3L; TO-220-3L; TO-220F-3L; TO-252-2L
SVD2N65T, F, M, D	2A / 650V	5.6 Ω	Sample	TO-220-3L; TO-220F-3L TO-251-3L; TO-252-2L
SVD2N70T, F, M	2A / 700V	6.5 Ω	Mass	TO-251-3L; TO-220F-3L; TO-220-3L
SVD3N80T, F	3A / 800V	3.5 Ω	Sample	TO-220-3L; TO-220F-3L
SVD4N60T, F, D	4A / 600V	2.4 Ω	Mass	TO-220-3; TO-220F-3L; TO-252-2L
SVD4N65T, F	4A / 650V	3.0 Ω	Mass	TO-220-3L; TO-220F-3L
SVD5N60T, F	5A / 600V	2.1 Ω	Mass	TO-220-3L; TO-220F-3L
SVD730T, F, D	6A / 400V	0.95 Ω	Mass	TO-220-3; TO-220F-3L; TO-252-2L
SVD830T, F, D	5A / 500V	1.5 Ω	Mass	TO-220-3L; TO-220F-3L; TO-252-2L
SVD7N60T, F	7A / 600V	1.2 Ω	Mass	TO-220-3L; TO-220F-3L
SVD7N65AT, F	7A / 650V	1.4 Ω	Mass	TO-220-3L; TO-220F-3L
SVD8N60T, F	8A / 600V	1.2 Ω	Mass	TO-220-3L; TO-220F-3L
SVD8N65T, F	8A / 650V	1.4 Ω	Mass	TO-220-3L; TO-220F-3L
SVD840T, F	8A / 500V	0.9 Ω	Sample	TO-220-3L; TO-220F-3L
SVD9N65T, F	9A / 650V	1.2 Ω	Sample	TO-220-3L; TO-220F-3L
SVD10N60T, F	10A / 600V	0.8 Ω	Sample	TO-220-3L; TO-220F-3L
SVD10N65T, F	10A / 650V	1.0 Ω	Mass	TO-220-3L; TO-220F-3L
SVD12N60T, F	12A / 600V	0.7 Ω	Sample	TO-220-3L; TO-220F-3L
SVD12N65T, F	12A / 650V	0.8 Ω	Mass	TO-220-3L; TO-220F-3L
SVD13N50T, F	13A / 500V	0.52 Ω	Sample	TO-220-3L; TO-220F-3L

6.2 Fast Recovery Diode (FRD)

Product Name	Main Parameter				Availability	Package
	Voltage(V)	Current(A)	Forward Voltage(V)	Reverse Recovery Time(ns)		
SFR12S20T,F	200	12	0.95	35	Mass	TO-220-3L,TO-220F-3L
SFR16S20T,F	200	16	1.25	35	Mass	TO-220-3L TO-220F-3L
SFR20S20T,F	200	20	0.95	35	Sample	TO-220-3L TO-220F-3L
SFR30S20T,F	200	30	1.05	35	Sample	TO-220-3L TO-220F-3L
SFR16S40T,F	400	16	1.25	35	Sample	TO-220-3L TO-220F-3L
SFR05S40E	400	5	1.25	35	Sample	DO-201AD
SFR08S40T2	400	8	1.25	35	Sample	TO-220-2L

6.3 Schottky Barrier Diode (SBD)

Product Name	Main Parameter					Availability	Package
	Repetitive Peak Reverse voltage (V)	Average Forward Rectifier (A)	Peak Forward Surge Current (A)	Forward Voltage (V)	Reverse Current (μA)		
SBD10C45T,F	45	10	120	0.65	50	Sample	TO-220-3L, TO-220F-3L,
SBD20C40T,F	40	20	120	0.63	50	Sample	TO-220-3L, TO-220F-3L,
SBD20C45T,F	45	20	120	0.65	50	Sample	TO-220-3L, TO-220F-3L,
SBD20C60T,F	60	20	150	0.71	50	Sample	TO-220-3L, TO-220F-3L,
SBD10C100T,F	100	10	120	0.83	50	Sample	TO-220-3L, TO-220F-3L,
SBD20C100T,F	100	20	150	0.83	50	Mass	TO-220-3L, TO-220F-3L,
SBD10C150T,F	150	10	120	0.87	50	Sample	TO-220-3L, TO-220F-3L,
SBD20C150T,F	150	20	150	0.87	50	Sample	TO-220-3L, TO-220F-3L,

6.4 Current Regulative Diode (CRD)

Product Name	Main Parameter						Availability	Package
	Current Range (mA)	Operating Voltage MAX (V)	Limiting Current		Limiting Current ratio I_{VMAX}/I_p	Temperature Coefficient (%/°C)		
			Vk(V)	Ik(mA)				
SDH102S	0.88~1.32	100	1.7	Min.0.8Ip	max.1.1	-0.1~-0.37	Sample	SOD-123
SDH562S	5.0~6.50	100	4.5	Min.0.8Ip	max.1.1	-0.25~ -0.53	Mass	SOD-123
SDH153S	12~18	50	4.3	Min.0.8Ip	max.1.0	-0.25~ -0.45	Sample	DO-35/SOD-123
SDH183S	16~20	50	4.6	Min.0.8Ip	max.1.0	-0.25~ -0.45	Mass	DO-35/SOD-123
SDH183E,H	16~20	50	4.6	Min.0.8Ip	max.1.0	-0.25~ -0.45	Sample	DO-41,SOT-223-3L
SDH253E,H	22~28	45	5.5	Min.0.8Ip	max.1.0	-0.25~ -0.45	Sample	DO-41,SOT-223-3L

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