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MOTHERBOARDS AND CONNECTING PORTS

Protection

P / N	Description	Topology	Breakdown (V)	Package
ESDA25W5	Serial Port (RS232) ESD Protection	Zener	25	SOT323-5L
ESDA25B1	Serial Port (RS232) ESD Protection	Zener	25	SO-8
USB6B1	USB Port Protection	Rail to Rail	6.1V	SO-8
DALC208SC6	Video, Ethernet, IEEE1394 ESD Protection	Rail to Rail	Vcc	SOT23-6L
DALC112S1	Video Port ESD Protection	Rail to Rail	Vcc	SO-8

IPADs

P / N	Description	Attenuation @Frequency		Package
		(dB)	(MHz)	
KBMF01SC6	Keyboard & Mouse EMI Filter	-30	300	SOT23-6L
ST1284-01A8	Parallel Port EMI Filter 4.7kΩ	-25	250	QSOP28
ST1284-02A8	Parallel Port EMI Filter 2.2kΩ	-25	250	QSOP28
ST1284-03A8	Parallel Port EMI Filter 1kΩ	-25	250	QSOP28
USBDF01W5	USB Downstream EMI Filter	-25	500	SOT323-5L
USBDF02W5	Parallel Port EMI Filter	-25	500	SOT323-5L

P / N	Description	Termination (Ω)	Enable	Package
DDR110-27T7	SDR / DDR Termination Network	27	High	TSSOP24
DDR110-56T7	SDR / DDR Termination Network	56	High	TSSOP24

Interfaces

P / N	Description	Vcc (V)	N°Dx/Rx	Icc (Typ) (mA)	D.R (min) (kbps)	Package
ST75C185	RS-232 Low Power Multiple Driver and Receivers	5, ±12	3/5	0.95	120	DIP-20, SO-20 TSSOP
ST75185	RS-232 Multiple Driver and Receivers	5, ±12	3/5	30	120	SO-20, TSSOP20

Standard Logic

P / N	Description	Vcc (V)	Features	Tpd (ns)	Features	Package
74LCX125	Quad Buffer 3-State	2.0 to 3.6	+ / - 24mA Output Drive	5.2 @ Vcc = 3V	5V I / O Tolerant	SO / TSSOP
74V1Gxx 74V1Txx	Single Gate CMOS / TTL Threshold	2.0 to 5.5 4.5 to 5.5	+ / - 8mA Output Drive	4 (typ) @ Vcc = 5V	Low Power High Speed	SOT-23 / SOT-323
74V2G / Txx	Dual Gate CMOS / TTL Threshold	2.0 to 5.5 4.5 to 5.5	+ / - 8mA Output Drive	4.5 (avg) @ Vcc = 5V	Low Power High Speed	SOT-23
74V1G / T66	Single Switch CMOS / TTL Threshold	2.0 to 5.5 4.5 to 5.5	7Ω Ron typ @ Vcc = 5V	0.3 @ Vcc= 5V 0.4 @ Vcc =3.3V	Low Power High Speed	SOT-23 / SOT-323
74V2G / T66	Dual Switch CMOS / TTL Threshold	2.0 to 5.5 4.5 to 5.5	7Ω Ron typ @ Vcc = 5V	0.3 @ Vcc= 5V 0.4 @ Vcc =3.3V	Low Power High Speed	SOT-23

MOTHERBOARDS AND CONNECTING PORTS

Voltage Regulators

P / N	Description	V _{OUT} (V)	V _{IN} (max) (V)	V _d (V)	TOL 25° C (%)*	I _q (mA)	Package
LD1117	800mA, Low Drop Fixed and Adj Positive Voltage Regulators	2.5; 2.85; 3.3; 5.0; ADJ	15	1.1	1 (2)	5	DPAK SOT-223, SO-8 TO-92
LD1117A	1.0A, Low Drop Fixed and Adj Positive Voltage Regulators	1.8; 2.5; 2.85; 3.3; 5.0; ADJ	10	1.15	2 (4)	5	DPAK SOT-223
LD1086	1.5A, Low Drop Fixed and Adj Positive Voltage Regulators	1.8; 2.5; 2.85; 3.3; 3.6; 5.0; 8.0; 9.0; 12; ADJ	30	1.3	1 (2)	5	D ² PAK D ² PAK/A TO-220 DPAK
LD1085	3A, Low Drop Fixed and Adj Positive Voltage Regulators	1.8; 2.5; 2.85; 3.3; 3.6; 5.0; 8.0; 9.0; 12; ADJ	30	1.3	1 (2)	5	D ² PAK D ² PAK/A TO-220 DPAK
LD1585C	5A, Low Drop Fixed and Adj Positive Voltage Regulators	1.5; 1.8; 2.5; 2.85; 3.3; 3.6; 5.0; 8.0; 9.0; 12; ADJ	30	1.2	1 (2)	5	D ² PAK TO-220
LD1084	5A, Low Drop Fixed and Adj Positive Voltage Regulators	1.8; 2.5; 2.85; 3.3; 3.6; 5.0; 8.0; 9.0; 12; ADJ	30	1.3	1 (2)	5	D ² PAK D ² PAK/A TO-220
KD1084	5A, Low Drop Fixed and Adj Positive Voltage Regulators	1.8; 2.5; 2.85; 3.3; 3.6; 5.0; 8.0; 9.0; 12; ADJ	20	1.3	2 (3)	5	D ² PAK TO-220
LD1580C	7A, Low Drop Fixed and Adj Positive Voltage Regulators	1.5; 1.8; 2.5; 3.3; ADJ	V _{CONTROL} = 6 V _{POWER} = 13	0.54	1 (2)	10	HEPTAWATT PENTAWATT P ² PAK

* Full Temperature Range

Audio Amplifiers

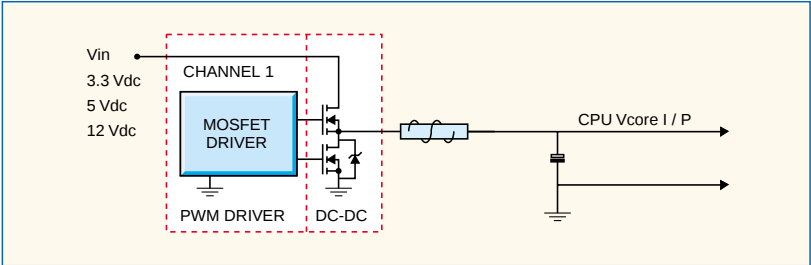
P / N	Description	V _{CC} (V)	Output Power	Package
TS482*	16/32 Ω Headphone Driver	2.2 to 5	65mW @ 5V-32Ω	SO-8, mini SO-8
TS487x	Audio Power Amplifier With Shut Down Mode	2.6 to 5	1W @ 5V-8Ω	SO-8, mini SO-8, Flip-Chip

* Next Release

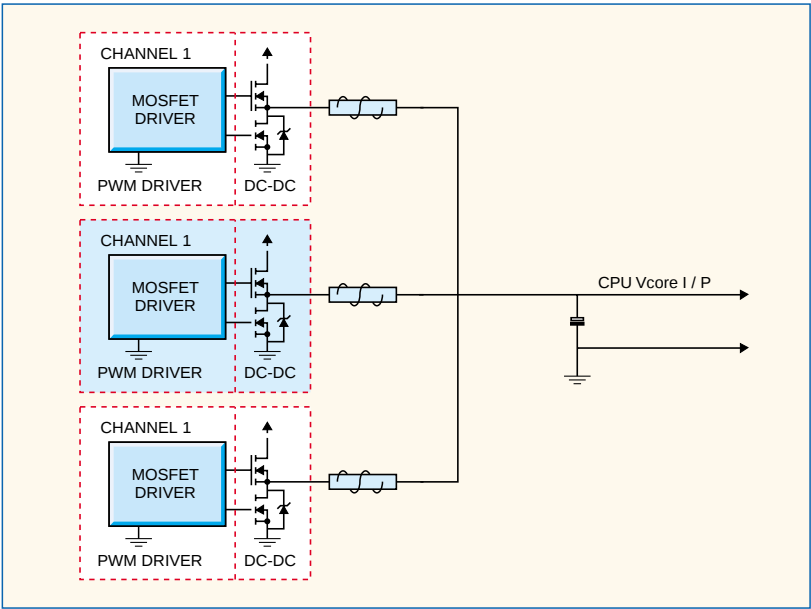
General Purpose Operational Amplifiers And Comparators

P / N	Description	V _{CC} (V)	Supply Current (μA/op.)	Package
LM358	Low Power Op-Amp	5 to 32	350	DIP / SO / TSSOP8
LM393	Low Power Voltage Comparator	2 to 36	200	DIP / SO / TSSOP8 / 14
TS370x	Micropower Voltage Comparator	2.7 to 16	9	DIP / SO / TSSOP8 / 14

DC / DC CONVERTER - VRM



BUCK VRM



MULTIPHASE VRM

Voltage References

P / N	Description	Vka*(typ) (V)	Precision (%)	Package
TL431	Standard for 5V to 36V Output Voltage	2.5 to 36	2 - 1	TO-92, DIP / SO-8
TL1431	High Precision for 5V to 36V Output Voltage	2.5 to 36	0.4 - 0.25	TO-92, SO-8
TS431	Low Voltage for 2.5V to 6V Output Voltage	1.24 to 6	2 - 1	TO-92, SOT23-5

* Cathode to Anode Voltage

DC / DC CONVERTER - VRM

Bipolar Transistors

P / N	Description	Output Power (W)	VCEV (V)	Ptot (W)	IC (A)	Package
BUF405A	NPN (1)	150 (1)	1000	80	7.5	TO-220
BUF410A	NPN (1)	200 (1)	1000	125	15	SOT-93
BUL810	NPN (1)	200 (1)	1000	125	15	SOT-93
ST13007D	NPN (2)	200 (2)	700	80	8	TO-220
BUL89	NPN (2)	300 (2)	850	110	12	TO-220

(1) Single Transistors Forward Converter (2) Two Transistors Required for Half-Bridge Converter

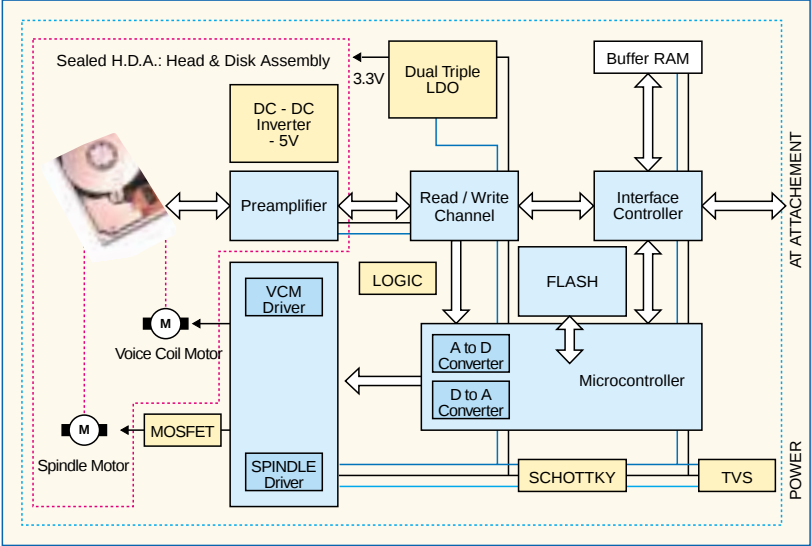
Power MOSFETs*

P / N	Description	V _{DSS} (V)	I _D (A)	R _{DS(on)} max @ 10V (mΩ)	Q _g typ @ 10V (nC)	Package
STB90NF03L	N-Channel	30	90	6.5	70	D ² PAK
STB85NF3LL	N-Channel	30	85	8	60	D ² PAK
STD60NF3LL	N-Channel	30	60	9.5	60	DPAK
STB70NF03L	N-Channel	30	70	10	35	D ² PAK
STD40NF3LL	N-Channel	30	40	11.5	43	DPAK
STD40NF03L	N-Channel	30	40	12	35	DPAK

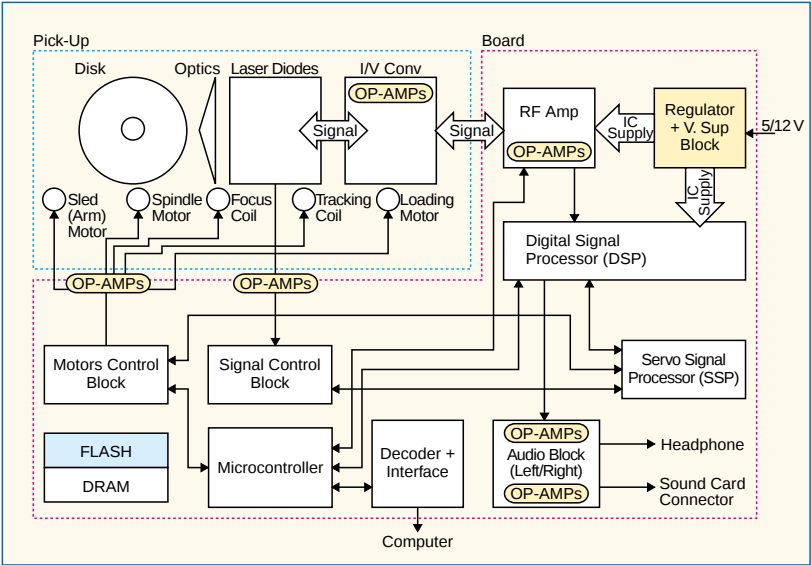
* Subtable for VRM 9.0 and VRM 9.1

Schottky Diodes

P / N	Current (A)	Voltage (V)	V _F max @ I _F		I _{FSM} (A)	T _j max (°C)	Package
			(mV)	(A)			
BAT54xFILM	0.3	30	900	0.1	1	150	SOT-23
BAT54xWFILM	0.3	30	900	0.1	1	150	SOT-323
BAT54JFILM	0.3	30	900	0.1	1	150	SOD-323
STPS0540Z	0.5	40	400	0.5	5.5	150	SOD-123
STPS1L30A	1	30	300	1	75	150	SMA
STPS1L30U	1	30	0.3	1	75	150	SMB
STPS140Z	1	40	510	1	5.5	150	SOD-123
STPS140A	1	40	420	1	60	150	SMA
STPS1L40U	1	40	420	1	60	150	SMB
STPS2L30A	2	30	375	2	75	150	SMA
STPS2L25U	2	25	375	2	75	150	SMB
STPS2L40U	2	40	340	2	75	150	SMB
STPS340U	3	40	570	3	75	150	SMB
STPS3L25S	3	25	440	3	75	150	SMC
STPS340S	3	40	570	3	75	150	SMC
STPS3L40S	3	40	440	3	75	150	SMC
STPS8L30B	8	30	400	8	75	150	DPAK
STPS10L25D / G	10	25	350	10	200	150	TO-220AC / D ² PAK
STPS10L45CT / CG	2x5	45	460	5	150	150	TO-220AB / D ² PAK
STPS15L25D / G	15	25	350	15	250	150	TO-220AC / D ² PAK
STPS16L45CT	2x8	45	450	8	180	150	TO-220AB
STPS20L25CT / CG	2x10	25	350	10	220	150	TO-220AB / D ² PAK
STPS20L45CFP	2x10	45	500	10	180	150	TO-220FP
STPS30L30CT / CG	2x15	30	370	15	220	150	TO-220AB / D ² PAK



HARD DISK DRIVE APPLICATION DIAGRAM



CD-RW / DVD APPLICATION DIAGRAM

Bipolar Transistors For Voltage Regulation Block

P / N	Description	V _{CES} (V)	HFE@ 1A/2V	V _{CEsat} @1A/100mA (V)	P _{tot} (W)	Package
STF715	NPN	> 150	> 40	< 0.5	1.5	SOT-89
STN715	NPN	> 150	> 40	< 0.5	2	SOT-223
STF817	PNP	> 150	> 40	< 0.5	1.5	SOT-89
STN817	PNP	> 150	> 40	< 0.5	2	SOT-223

Power MOSFETs

P / N	Description	V _{DSS} (V)	I _D (A)	R _{DS(on)} max @ 10V (mΩ)	Q _g typ @ 10V (nC)	P _{tot} (W)	Package
STS7DNF30L	N-Channel	30	7	22	35	2	SO-8
STS6DNF30L	N-Channel	30	6	25	34	2	SO-8
STS3DNF30L	N-Channel	30	3.5	65	16	2	SO-8
STS4DPFS2LS	P-Channel	-20	70	70	25	2	SO-8
STS2DNF30L	N-Channel	30	40	110	4.5	2	SO-8

Protection

P / N	Description	Power (W)	V _{RM} @ I _{RM}		V _{BR} @ I _{BR}		Package
			(V)	(μA)	(V)	(mA)	
SMBJ5A-TR	Transient Voltage Suppressor	600	5	800	6.4	10	SMB
SMBJ12AVCL	Transient Voltage Suppressor	600	11.6	5	13.2	1	SMB

Schottky Diodes

P / N	Current (A)	Voltage (V)	V _F max@I _F		I _{FSM} (A)	T _j max (°C)	Package
			(mV)	(A)			
BAT54xFILM	0.3	30	900	0.1	1	150	SOT-23
BAT54xWFILM	0.3	30	900	0.1	1	150	SOT-323
BAT54JFILM	0.3	30	900	0.1	1	150	SOD-323
STPS0540Z	0.5	40	400	0.5	5.5	150	SOD-123
STPS1L30A	1	30	300	1	75	150	SMA
STPS1L30U	1	30	300	1	75	150	SMB
STPS140Z	1	40	510	1	5.5	150	SOD-123
STPS1L40A	1	40	420	1	60	150	SMA
STPS1L40U	1	40	420	1	60	150	SMB
STPS2L30A	2	30	375	2	75	150	SMA
STPS2L40U	2	40	340	2	75	150	SMB
STPS340U	2	40	570	3	75	150	SMB
STPS340S	3	40	570	3	75	150	SMC
STPS3L40S	3	40	440	3	75	150	SMC

Standard Logic

P / N	Description	V _{CC} (V)	I _{OH} = I _{OL} (mA)	T _{pd} (ns)	Features	Package
74V1GU04	Single Inverter (Single Stage)	2.0 to 5.5	8 @ V _{CC} = 4.5V	3.5 @ V _{CC} = 5V	Unbuffered output	SOT23 / SOT323
74V1G08	Single Inverter end Gate	2.0 to 5.5	8 @ V _{CC} = 4.5V	3.8 @ V _{CC} = 5V	Low Power High Speed	SOT23 / SOT323
74VHC00	Quad 2-Input NAND Gate	2.0 to 5.5	8 @ V _{CC} = 4.5V	3.7 @ V _{CC} = 5V	Low Noise	SO / TSSOP
74VHC32	Quad 2-Input OR Gate	2.0 to 5.5	8 @ V _{CC} = 4.5V	3.8 @ V _{CC} = 5V	Low Noise	SO / TSSOP
74LCX541	Octal Bus Buffer	2.7 to 3.6	24 @ V _{CC} = 3V	6.3 @ V _{CC} = 3V	5V Tolerant I / O	SO / TSSOP
74LCX16244	16 bit Buffer	2.7 to 3.6	24 @ V _{CC} = 3V	4.5 @ V _{CC} = 3V	5V Tolerant I / O	TSSOP48

Switching Voltage Regulators

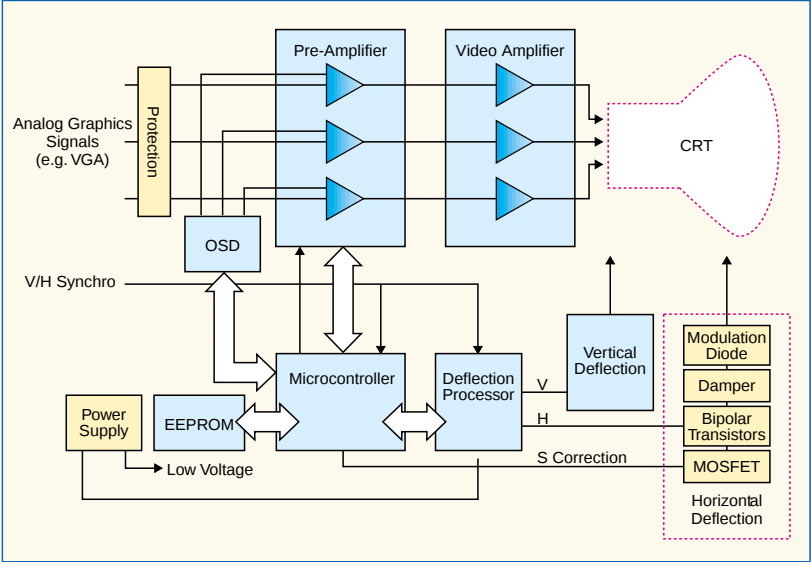
P / N	Description	I _{OUT} (mA)	Fixed Frequency (kHz)	V _{IN} (V)	Efficiency (%)	Package
ST755	Adjustable Inverting Negative Output Current Mode PWM Regulators	275	160	2.7 to 11	68	SO-8 DIP-8
ST735	-5V, Negative Output, Inverting Current Mode PWM Regulators	275	160	4.0 to 6.2	75	SO-8 DIP-8
ST735S	-5V, Negative Output, Inverting Current Mode PWM Regulators	275	300	4.0 to 6.2	75	SO-8 DIP-8
ST763A	3.3V, Step Down Current Mode PWM DC - DC Converter	500	200	3.3 to 11	90	SO-8 DIP-8
MC34063A	Adjustable, Step-up, Step-Down, Inverter	1500	100	3.0 to 40	80	SO-8 DIP-8

Linear Voltage Regulators

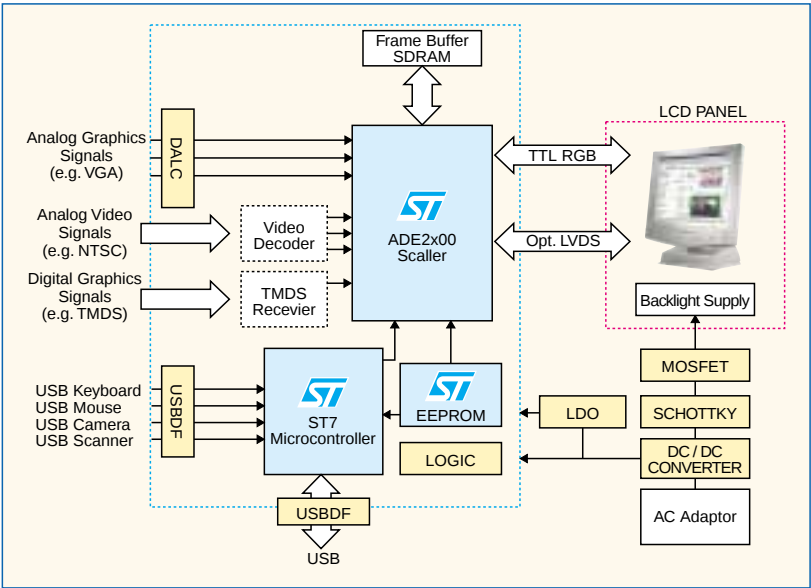
P / N	Description	V _{OUT} (V)	V _{IN} max (V)	V _d (V)	I _{OUT} (A)	I _Q (mA)	Package
ST3L01	Triple Voltage Regulator	2.6	6	1.3	1.2	10	SPAK-7L
		3.3	6	1.13	1.0		
		8	12	1.6	0.2		
ST2L01	Dual Voltage Regulator	3.3 ADJ From 1.25 to 3.0	10	1.1	1.0	15	SPAK-5L PPAK
ST2L05	Dual Voltage Regulator	3.3 ADJ From 1.25 to 3.0	10	1.1	1.0	5	SPAK-5L PPAK
LDR2533	Dual Voltage Regulator	2.5	7	0.4	0.5	1.2	PPAK
		3.3		0.45	1		

Rail To Rail Operational Amplifier

P / N	Description	V _{CC} (V)	Supply Current (μA / op.)	Package
TS95x	Low Noise, Low Distortion (0.01%)	2.7 to 12	900	DIP / SO / TSSOP / SOT23-5



CRT APPLICATION



FLAT PANEL APPLICATION

Power MOSFETs

P / N	Application	V _{DSS} (V)	I _D (A)	R _{DS(on)} max @ 10V (mΩ)	Q _g typ @ 10V (nC)	Package
IRF630M / FP	S - CAP	200	9	0.40	31	TO-220 / FP
IRF640M / FP	S - CAP	200	18	0.18	55	TO-220 / FP
STP8NS25 / FP	S - CAP	250	8	0.45	37	TO-220 / FP
STP16NS25 / FP	S - CAP / B+	250	16	0.25	59	TO-220 / FP
IRF630 / FP	B+	200	9	0.4	31	TO-220 / FP
STS3C3F30L	Backlight	30 / -30	3.5 / 3	0.055 / 0.145	16 / 11	Complementary Channel in SO-8
STS3DPFS30	Backlight	30	9	0.065	23	SO-8+SCHOTTKY

Bipolar Transistors For Voltage Regulation Block

P / N	Description	VCES (V)	HFE @ 1A/2V (A)	VCEsat @ 1A/100mA (V)	Ptot (W)	Package
STF715	NPN	> 150	> 40	< 0.5	1.5	SOT-89
STN715	NPN	> 150	> 40	< 0.5	2	SOT-223
STF817	PNP	> 150	> 40	< 0.5	1.5	SOT-89
STN817	PNP	> 150	> 40	< 0.5	2	SOT-223

Bipolar Transistors For Horizontal Deflection Block

P / N	Description	Monitor Size	IC (A)	Ptot (W)	VCBO (V)	Package
ST1802HI	NPN	14" / SVGA	10	50	1500	ISOWATT218
ST2001HI	NPN	15" / <56KHz	10	55	1500	ISOWATT218
ST2310HI	NPN	15" / <75KHz	10	55	1500	ISOWATT218
ST2408HI	NPN	17" <95KHz	12	55	1500	ISOWATT218
BUH1015HI	NPN	19" / Full Range of Freq.	14	70	1500	ISOWATT218
BUW1215	NPN	21" / Full Range of Freq.	16	200	1500	TO-247

200V Rectifiers And 1500V Damper + 600V Modulation Diodes

P / N	Function	Monitor Frequency	VF max (V)	trr max (ns)	T _J max (°C)	Package
STTH102	Rectification	All	0.78	20	175	DO-41
STTH152	Rectification	All	0.75	32	175	DO-15
STTH302	Rectification	All	0.75	35	175	DO-201AD
STTH106	Modulation / Rectif.	All	1.7	25	175	DO-201AD
STTH306	Modulation / Rectif.	All	1.7	30	175	DO-201AD
DMV1500L	Damper + Mod.	Low Frequency	1.5 @ 4A / 1.4 @ 3A	170 / 50	150	TO-220AB Ins
DMV1500M	Damper + Mod.	Medium Frequency	1.65 @ 6A / 1.4 @ 3A	130 / 50	150	TO-220AB Ins
DMV1500H	Damper + Mod.	High Frequency	1.7 @ 6A / 1.4 @ 3A	125 / 50	150	TO-220AB Ins

1500V Damper Diodes

P / N	Monitor Frequency	V _F max (V)	t _{rr} max (ns)	T _j max (°C)	Package
DTV1500LFP	Low Frequency	1.5 @ 4A	170	150	TO-220AC / TO-220FPAC
DTV1500MD / FP	Medium Frequency	1.65 @ 6A	135	150	TO-220AC / TO-220FPAC
DTV1500HD / FP	High Frequency	1.7 @ 6A	125	150	TO-220AC / TO-220FPAC
DTV1500UHD / FP	Ultra High Frequency	1.3 @ 6A	125	150	TO-220AC / TO-220FPAC

Schottky Diodes

P / N	Current (A)	Voltage (V)	V _F max@I _F		I _{FSM} (A)	T _j max (°C)	Package
			(mV)	(A)			
STPS1L40A	1	40	420	1	60	150	SMA
STPS1L40U	1	40	420	1	60	150	SMB
STPS2L30A	2	30	375	2	75	150	SMA
STPS2L25U	2	25	375	2	75	150	SMB
STPS2L40U	2	40	340	2	75	150	SMB
STPS340U	3	40	570	3	75	150	SMB
STPS3L25S	3	25	440	3	75	150	SMC
STPS340S	3	40	570	3	75	150	SMC
STPS3L40S	3	40	440	3	75	150	SMC
STPS8L30B	8	30	400	8	75	150	DPAK
STPS10150CG / CT	2 x 5	150	0.75	5	1	175	TO-220AB / D ² PAK
STPS16150CG / CT	2 x 8	150	0.75	8	1	175	TO-220AB / D ² PAK
STPS20150CG / CT	2 x 10	150	0.75	10	75	175	TO-220AB / D ² PAK
STPS30150CG / CT	2 x 15	150	0.75	15	5.5	175	TO-220AB / D ² PAK

IPADS

P / N	Description	Attenuation @Frequency		Package
		(dB)	(MHz)	
USBDF01W5	USB Downstream EMI Filter 33Ω	-25	500	SOT323-5L
USBDF02W5	USB Downstream EMI Filter 15Ω	-25	500	SOT323-5L

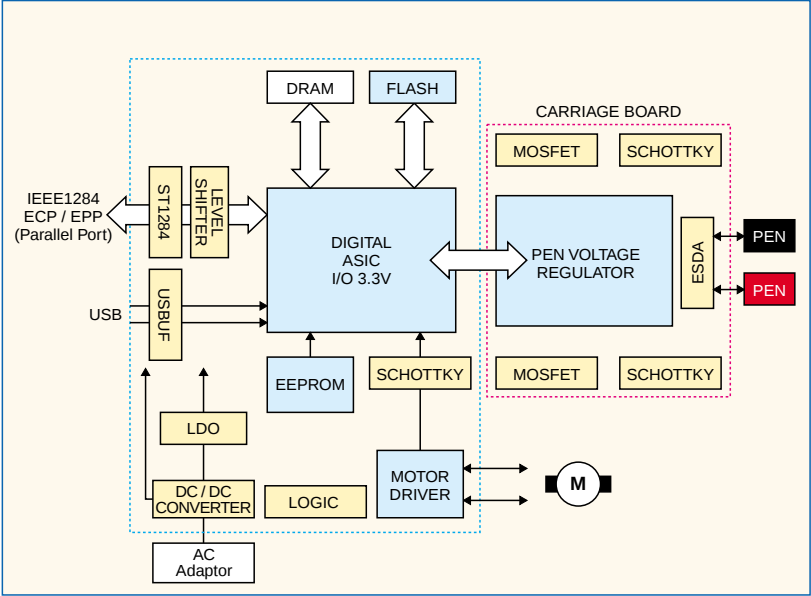
Operational Amplifiers

P / N	Output	V _{cc} (V)	Supply Current (mA/op.)	Noise nV/√Hz	Distortion (%)	Dynamic Features	Package
TSH7x	Rail to Rail	3 to 12	8	11	0.01	65MHz, 100V / μs	SO / TSSOP / SOT23-5
TS92x	Rail to Rail	2.7 to 12	1	9	0.005	4MHz, 1V / μs	DIP / SO / TSSOP
TS97x	Rail to Rail	2.7 to 10	2	4	0.003	12MHz, 4V / μs	DIP / SO / TSSOP / SOT23-5

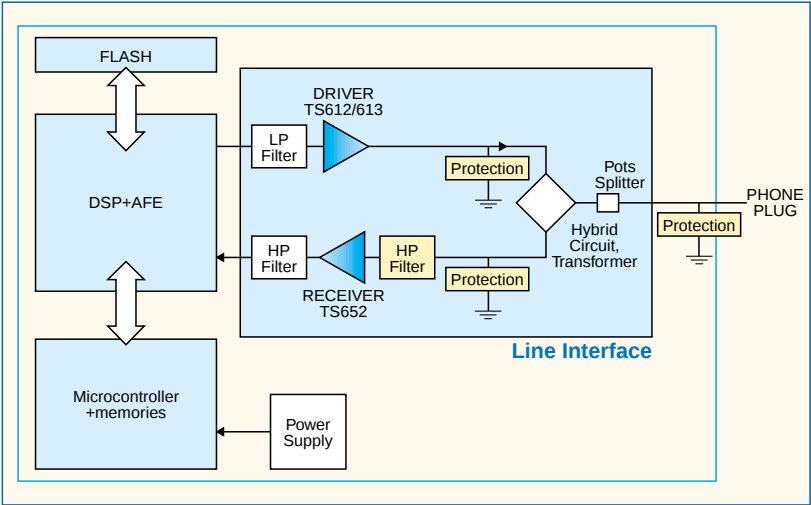
Protection

P / N	Description	Topology	Breakdown (V)	Package
PKC-136	MOSFET Protection in Flyback Converter	Transil + Diode	160	DO-15
USB6B1	USB Port Protection	Rail to Rail	6.1	SO-8
DALC208SC6	Video Port ESD Protection	Rail to Rail	V _{cc}	SOT23-6L
DALC112S1	Video Port ESD Protection	Rail to Rail	V _{cc}	SO-8

OTHER PERIPHERALS



PRINTER APPLICATION



ADSL MODEM APPLICATION

Protection

P / N	Description	Topology	Breakdown (V)	Package
PKC-136	MOSFET Protection in Flyback Converter	Transil + Diode	160	DO-15
ESDA6V1S3	18 Unidirectional Transils for Parallel Port	Zener	6.1	SO-20
ESDA6V2S6	18 Unidirectional Transils for Parallel Port	Zener	6.2	SSOP20
ESDA6V1FU6	9 Unidirectional Transils for Parallel Port	Zener	6.2	SSOP20
ESDA6V1-5W6	5 Unidirectional TRANSILS	Zener	6.1	SOT323-6L
ESDA5V3SCx	4 Unidirectional TRANSILS	Zener	5.3	SOT23-6L
ESDA6V1W5	4 Unidirectional TRANSILS	Zener	6.1	SOT323-5L
ESDA5V3L	2 Unidirectional TRANSILS	Zener	5.3	SOT-23
DALC208SC6	4 ESD Suppressors	Rail to Rail	Vcc	SOT23-6L

IPADs

P / N	Description	Attenuation @ Frequency		Package
		(dB)	(MHz)	
ST1284-xxA8	Parallel Port Emi Filter	-25	250	QSOP28
USBUF01W6	USB Upstream EMI Filter	-20	400	SOT323-6L

Schottky Diodes

P / N	Current (A)	Voltage (V)	V _F max@I _F		I _{FSM} (A)	T _j max (°C)	Package
			(mV)	(A)			
BAT54xFILM	0.3	30	900	0.1	1	150	SOT-23
BAT54xWFILM	0.3	30	900	0.1	1	150	SOT-323
BAT54xJFILM	0.3	30	900	0.1	1	150	SOD-323
STPS0540Z	0.5	40	400	0.5	5.5	150	SOD-123
STPS1L30A	1	30	300	1	75	150	SMA
STPS1L30U	1	30	300	1	75	150	SMB
STPS140Z	1	40	510	1	5.5	150	SOD-123
STPS1L40A	1	40	420	1	60	150	SMA
STPS1L40U	1	40	420	1	60	150	SMB
STPS2L30A	2	30	375	2	75	150	SMA
STPS2L40U	2	40	340	2	75	150	SMB
STPS340U	3	40	570	3	75	150	SMB
STPS340S	3	40	570	3	75	150	SMC
STPS3L40S	3	40	440	3	75	150	SMC

TRISIL

P / N	V _R @I _R		V _{BO} max @ I _{BO}		I _H min (mA)	I _{PP} (A)	Package
	(V)	(μA)	(V)	(A)			
SMP100LC-200	200	50	125	800	150	100	SMB
SMP100LC-230	230	50	125	800	150	100	SMB
SMP100LC-270	270	50	125	800	150	100	SMB