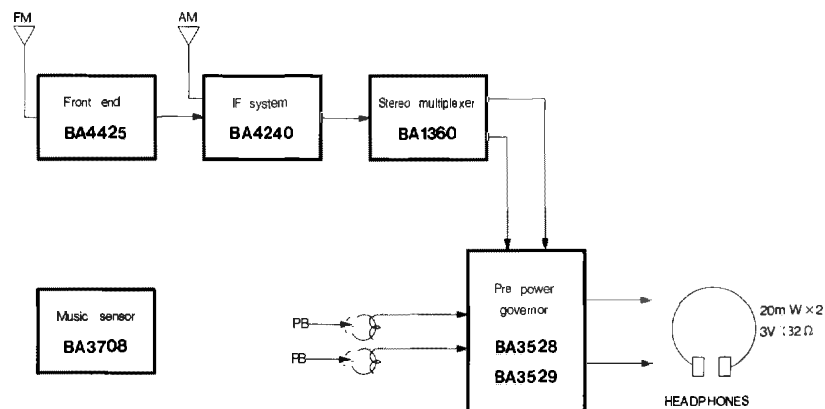
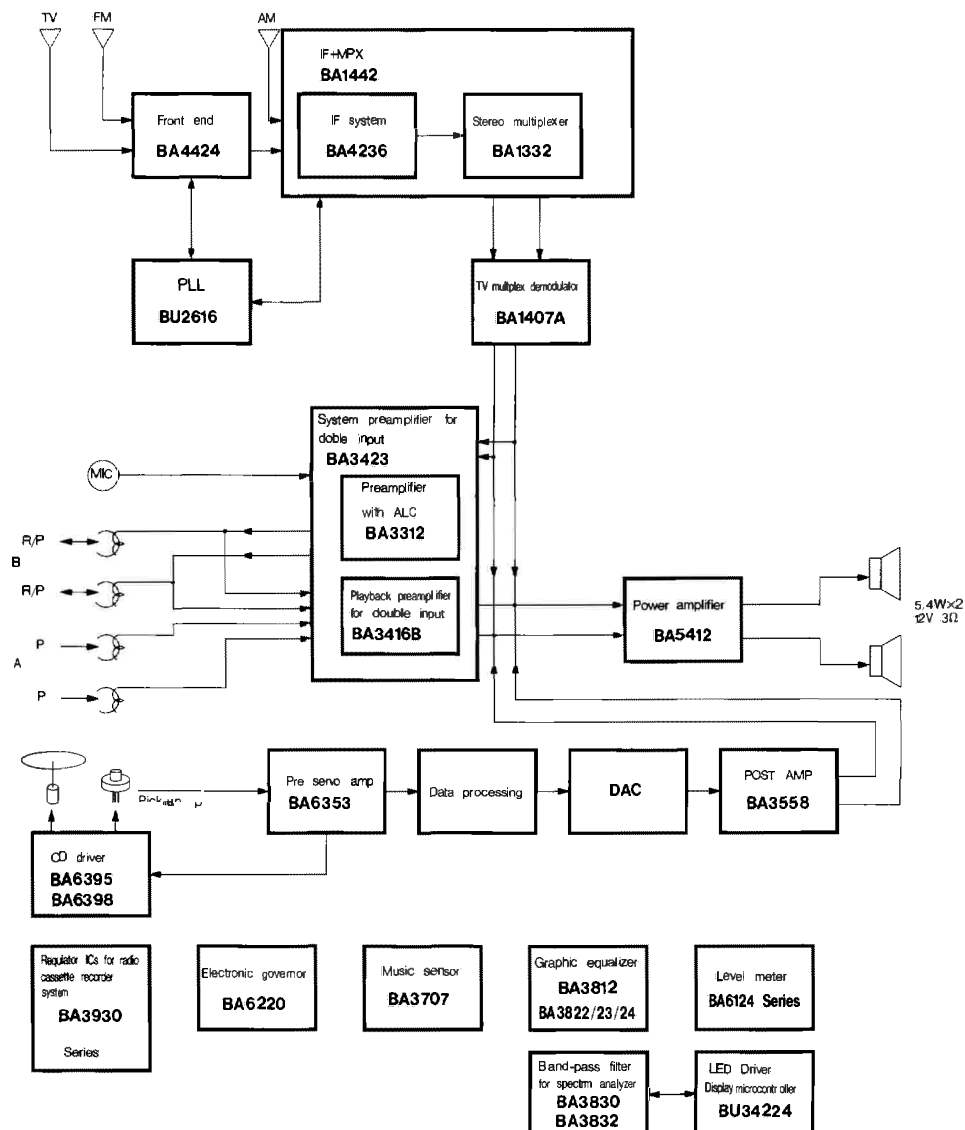


Block Diagram of Typical Applications

3V FM/AM stereo headphone system



Stereo double cassette recorder system with radio and CD player



Control

●Deck key control

Part No.	Supply voltage range (V)	Function	Feature	Package
BA843	5	Key control of tape deck	Control through non lock input. All functions that are necessary for control of tape deck are on-chip.	DIP16

VSC processor

Part No.	Supply voltage range (V)	Function	Feature	Package
BA1701	4.5~14.0	VSC system processor IC	Capable of compress play rate by ratio of 1/1 to 1/25. Built-in motor speed control PLL circuit.	DIP16

Note : 1."VSC" is a trademark of the Variable speed Control Company. This product has been specially manufactured for use in the VSC system under licence of VSC Ltd.

System power supply

●System power supply for radio cassette recorder system

Part No.	Supply voltage range (V)	Standard supply voltage (V)	Output voltage (V)						Stand-by function	Reference voltage	Mode switch	Reset output	Package
			A	B	C	D	E	F					
BA3920	6.5~22	16	15	5	—	5	8	5	○		○	○	SIP-M12
BA3922	5.0~22	15	12	5	7.5	—	7.5	—	○	○	○	○	SIP-M12
BA3924	5.0~22	12	9	5	7.5	—	7.5	—	○	○	○	○	SIP-M12
BA3926	5.0~22	15	13.5	5.6	8	—	12	—	○	○	○	○	SIP-M12
BA3928	6.5~22	16	9	5	—	5	8.5	6.5	○		○	○	SIP-M12
BA3930	6.5~22	16	14.5	5	9	5	8	5	○		○		SIP-M12
BA3932	6.5~22	16	15	5	9	5	8	5	○		○		SIP-M12
BA3933	6.5~22	16	9	5	7.5	5	7.5	5	○		○		SIP-M12
BA3935	6.5~22	16	9.5	5	9	5	7.5	5	○		○		SIP-M12
☆BA3936	6.5~22	12	—	5	8	5	8	5	○		○		SIP-M12
☆BA3938	6.5~22	15	11	5	9	14.7	8.5	—	○	○			HSP-B12
☆BA3962	6.5~22	12	17	5	—	—	—	—	○	○	○	○	HSP-10

Note : 1.When operated from lower voltage than output voltages listed above,the output is the input supply voltage minus the drop voltage across output transistors.

2 ☆:Under development

●System power supply for car audio system

Part No.	Supply voltage BACK UP (V)	Standard supply voltage BACK UP (V)	Output voltage (V)						Stand-by current(mA)	Muting	Output switch pin	Chip enable output	Package
			A	B	C	D	E	F					
BA3900	10~16	13.2	5.6	9.0	8.8	8.8	—	—	2.7	○	○	○	SIP-M12
BA3902	10~16	13.2	5.0	9.0	8.5	8.5	—	—	0.7	○	○	○	SIP-M12
BA3904A	10~16	13.2	5.6	9.0	8.55	8.55	—	—	0.7	○	○	○	SIP-M12
BA3906	9.2~16	13.2	5.6	8.3	8.3	8.3	—	—	0.7	○	○	○	SIP-M12
BA3908B	10~16	15	5.6	12.5	14.5	8.2	8.2	8.4	0.65		○		SIP-M12
BA3910A	9.6~24	13.2	5.6	8.7	8.7	8.7	12.8	12.8	0.65		○		SIP-M12
BA3912	9.6~24	13.2	5.6	9.0	8.55	8.55	12.7	12.7	0.65		○		SIP-M12
New BA3913	9.6~24	13.2	5.6	8.3	8.3	8.3	12.7	12.7	0.65		○		SIP-M12
New BA3914A	9.6~24	13.2	5.7	8.5	8.5	8.5	12.7	—	0.8	○	○		SIP-M12
New BA3916	9.6~24	13.2	5.2	8.7	8.3	8.3	12.7	—	0.4		○	○	SIP-M12

Notes : 1.When operated from lower voltage than output voltages listed above,the output is the input supply voltage minus the drop voltage across output transistors

●Variable output supply voltage

Part No.	Supply voltage range (V)	Number of circuit	Output voltage (V)	Stand-by function	Output voltage switch pin	Feature	Package
New BA3960	4.5~22	2	1.5~21	○	○	Output voltage can be set by external resistor. Built-in output current control circuit and temperature protect circuit. Low saturation PNP output.	HSP-B12