

5 AV COMMON

SIGNAL PROCESSING SYSTEMS

ASICs

Application	Type No.	Function	Typical electrical characteristics		Package outline	Remarks
			V _{CC} (V)	I _{CC} (mA)		
Signal processing	M51271SP/FP	Chroma Decoder (NTSC/PAL)	5	50	30P4B/28P2W	R-Y/B-Y
	M51272P/FP	Chroma Encoder (NTSC/PAL)	5	30	24P4D/24P2Q	Y, R-Y/B-Y
	M51279SP/FP	Chroma Decoder (NTSC/PAL)	5	50	30P4B/32P2W	R-Y/B-Y
	M51285BFP/BGP	Sub-Picture Encoder	5	35	42P6/44P6N	PIP
	M51386L	Comb Filter Processor	12	11	8P5	
	M52390FP	NTSC/PAL Encoder	5	50	20P2N	R, G, B
	M51322P/SP	× RGB Interface	5.12	5.56	40P4/36P4B	
	M51485L	× Frequency Double (eg. for fsc)	5	7	16P5A	
	M51490L	Video Equalizer, Sync Separator, Video Mute	12	33	8P5	
	M51489L	Video AGC	12	17	16P5A	
	M51494L	Coring (Noise Cancel)	12	15	10P5	
	M51497L	Sync Detector	9	10	8P5	
	M52306FP/P	Sync Detector	5 to 12	13	16P2P/8P4	
	M52684AP/AFP/BFP	Sync Sep, Horizontal AFC	5	8	14P4/14P2N	
	M52693SP	Burst Lock clock generator	5	32	32P4B	
M52694P	Burst Lock clock generator	5	40	24P4D		
M65628FP *	★★ Digital NTSC Encoder	5,3.3	70	64P6N		

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* : This device is protected by U.S. patent numbers 4631603, 4577216 and 4819098 and other intellectual property rights. The use of the Macrovision's copy protection technology in the device must be authorized in writing by Macrovision. Reverse engineering or disassembly is prohibited.

A-D/D-A CONVERTERS

Application	Type No.	Function	Typical electrical characteristics		Package outline	Remarks
			V _{CC} (V)	I _{CC} (mA)		
A-D Converters	M52670P/FP	High Speed 4-Bit A-D Converter	5	33	22P4/24P2	TTL I/O
	M52678P/FP	6-Bit A-D Converter for VCR	5	50	20P4/24P2W	TTL I/O
	M52681P/FP	× 6-Bit A-D Converter with Multiplexer	5	50	24P4D/24P2W	TTL I/O
	M52686AP/AFP	× 6-Bit A-D Converter with Multiplexer	5	50	24P4D/24P2W	TTL I/O
	M52688P/FP	8-Bit A-D Converter for VCR	5	90	28P4B/28P2W	TTL I/O
D-A Converters	M52679P/FP	× 6-Bit D-A Converter for VCR	5	30	18P4/20P2W	TTL Input
	M52682P/FP	× 3ch 6-Bit D-A Converter for VCR	5	60	24P4D/24P2W	TTL Input
	M52683P/FP	× 3ch 6-Bit D-A Converter for VCR	5	60	32P4B/32P2W	TTL Input
	M52689P/FP	8-Bit D-A Converter for VCR	5	30	24P4D/24P2W	TTL input

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ANALOG SWITCH

Application	Type No.	Function	Typical electrical characteristics		Package outline	Remarks
			V _{CC} (V)	I _{CC} (mA)		
Analog Switch	M52055P/FP	3ch Audio/Video Analog Switch	5 to 13	7	16P4/16P2P	
	M52065P/FP	3ch Audio/Video Analog Switch	5 to 7	9	16P4/16P2P	DC straight type
	M51326P	2Sound 1Video Analog Switch 2input	5 to 14	28	16P4	
	M51320P	2Sound 1Video Analog Switch 2input with Video Amp	5 to 14	40	16P4	
	M51321P	2Sound 1Video Analog Switch 3input with Video Amp	5 to 14	40	18P4	
	M51329P	2Sound 1Video Analog Switch 3input with Video Amp	5 to 14	44	18P4	
	M52471P	2Sound 1Video Analog Switch 4input	5 to 14	11	22P4	
	M52472P	2Sound 1Video Analog Switch 4input with Video Amp	5 to 14	21	22P4	
	M52470AP	2Sound 1Video Analog Switch 4input with Video Amp	5 to 14	21	22P4	
	M51292FP	4 Input Video Switch, L/R Mix, Relay Driver	12	9.5	20P2N	
	M51293FP	5 Input Stereo Audio Switch, Amp	±6	11.0	24P2N	

CAMERAS

Application	Type No.	Function	Typical electrical characteristics		Package outline	Remarks
			V _{CC} (V)	I _{CC} (mA)		
Camera	M52956FP	Auto focus	5	12	16P2E	
	M52957FP	Auto focus	3 to 5	12	16P2E	
	M52975FP	Auto Exposure	3 to 5	5	10C2	SPD on chip
	M52978FP	★★ Auto Exposure	3 to 5	3	16pin : Under development	SPD on chip