

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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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