

6 ELECTRONIC COMPUTER PERIPHERAL

DISC DRIVE

FDDs

Application	Type No.	Function	Typical electrical characteristics		Package outline	Remarks
			V _{CC} (V)	I _{CC} (mA)		
floppy disk drive	M61830FP	Floppy Disk Drive Read/Write Amp	5	24	32P6B	1M/1.6M/2M
	M52803P/FP	Hex Bus Driver with Open Collector Output (Inverted)	5	40	16P4/16P2N	
motor control	M56733AFP	3-Phase Brushless Spindle Motor Servo and Drive	12	20	36P2R	Correspond to 5.25 3-phase drive
	M56743FP	3-Phase Brushless Spindle Motor Servo and Drive	5	10	36P2R	Built-in coil index (NH Output) 2-phase drive

× : Plan for production discontinue

HDDs

Application	Type No.	Function	Typical electrical characteristics		Package outline	Remarks
			V _{CC} (V)	I _{CC} (mA)		
hard disk drive	M61814FP	4ch MR Read/Write Amp	5	50,65	48P6D	
	M61817FP	6ch MR Read/Write Amp	5	50,65	48P6D	
	M61818FP	8ch MR Read/Write Amp	5	50,65	48P6D	

ODDs

Application	Type No.	Function	Typical electrical characteristics		Package outline	Remarks
			V _{CC} (V)	I _{CC} (mA)		
Head Amp	M52877FP	Head Amp	5	70	68P6S	
Error Correction	M64401FP	Error Detection and Correction	5	—	100P6	CMOS, With Parity
High Frequency Superimpose	M66830ML	High Frequency Superimpose	5	45	SOT-89	

OPTICAL PICKUP FOR CD-ROM

Type No.	Function	Electrical characteristics		Package outline	Remarks
		V _{CC} (V)	I _{CC} (mA)		
M61094FP	Optical Pick-up Pre-Amp with Photo Diode	5	12	10C2F	Clear mold

MOTOR DRIVER FOR CD-ROM

Application	Type No.	Function	Electrical characteristics		Package outline	Remarks
			V _{CC} (V)	I _O (A)		
For motor control	M56745FP	3-Phase Brushless Motor Driver	12	1.2	36P2R	
	M56748FP	4ch BTL Driver	12/5	0.7	36P2R	
	M56749FP	4ch BTL Driver	12/5	0.7	36P2R	
	M56753FP	2ch BTL Driver	12/5	0.9	36P2R	
	M56755FP	3-Phase Brushless Motor Driver (Reverse Rotation Detection, FG function)	12/5	1.2	36P2R	
	M56759FP	4 ch BTL Driver, OP Amp. (Linear/PWM input, Voltage/Current control)	12/5	0.7A	42P2R	

SCSI CONTROLLER

Type No.	Circuit function	Structure	Supply voltage (V)	Electrical characteristics			Package outline	Remarks
				Typ. power dissipation (mW)	Min. cycle time (ns)	Max. frequency (MHz)		
M64154FP	× SCSI Control, Sync forward 10.0MB/S, Async forward 5.0MB/S	C, Si	5 ± 10 %	100	—	20	100P6S	
M64154AFP	★ SCSI Control, Sync forward 10.0MB/S, Async forward 5.0MB/S	C, Si	5 ± 10 %	100	—	20	100P6S	

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